

12 MILLION MAN HOURS WITHOUT LOST TIME INJURY – LANGAT SEWERAGE PROJECT, HISTORY IN THE MAKING

KAJANG, 8 September 2020 – YB Dato’ Sri Tuan Ibrahim Tuan Man, Minister of Environment and Water officiated Langat Sewerage Project’s 12 Million Man Hours without Lost Time Injury at Langat Centralised Sewage Treatment Plant (Langat CSTP) event celebration today. This is one of the largest accomplishments on record in any sewerage project to date.

Themed “We Did It” signifies the hard work by the project team complying to the strict rules and regulations in ensuring optimum level of safety and health of the employees and public during the construction period.

A special certificate of recognition for the achievement was presented to MMC Pembetungan Langat Sdn Bhd (MMC PLSB) by YB Dato’ Sri Tuan Ibrahim Tuan Man to YBhg Dato’ Sri Che Khalib Mohamad Noh, Group Managing Director, MMC Corporation Berhad, witnessed by Ir Haji Omar Mat Piah, Director General, Department of Occupational, Safety and Health and Ir Ahmad Rozian Othman, Deputy Secretary General, Department of Sewerage Services.

“Safety and health in the construction project is vital hence the Occupational, Safety and Health Act (OSHA) regulation must be strictly adhered by the project team at all times”, said YB Dato’ Sri Tuan Ibrahim. He also presented safety kits consist of contactless thermometer and face masks to schools’ representatives located within the project areas.

“This recognition demonstrates our utmost importance on safety management and strong safety culture at all our projects and business operations”, said YBhg Dato’ Sri Che Khalib Mohamad Noh, Group Managing Director of MMC Corporation Berhad.

Others present at the event were YB Senator Dato’ Dr Ahmad Masrizal bin Muhammad, Deputy Minister of Environment and Water, government officials, local authorities and sub-contractors. During the event, YB Senator Dato’ Dr Ahmad Masrizal presented safety banners to all the sub-contractors involve in the project to instil safety and health awareness.

Langat CSTP is standing at 7.3 hectares land equivalent to 58 Olympic-size swimming pools and capable of treating wastewater up to 207,000 m³ or 920,000 Population Equivalent (PE). Supervised by Sewerage Services Department under the Ministry of Environment and Water, the Langat CSTP overall physical completion is at 93%. The Langat CSTP is already in operation since October 2019 where it has accumulated

the flow of 235,000 PE diverted into the plant to undergo testing and commissioning phase this year while there are only 9 km of pipe jacking works left to complete.

The project has tackled several great challenges especially in connecting 105 km sewer pipeline by stringent testing and commissioning including CCTV test, infiltration and exfiltration tests as well as flow test to ensure zero leaking and blocking along the pipelines before the live flow was released into the treatment plant. Another challenge faced by the project team was in the construction of the Langat CSTP on a limited land area of 7.3 hectares that can only accommodate 300,000 PE. Via a collaboration with Tokyo Metropolitan Government, MMC PLSB has successfully incorporated the Deep Aeration Method with Step-Feed Multi Stage De-Nitrification Process within the Langat CSTP which increased the sewage inflow capacity up to three times with the same size of land area to accommodate 920,000 PE.

MMC PLSB was awarded with the project in 2014 to develop an odourless sewage treatment plant and its network of piping system covering a total of 77.6 sq km catchment area which include Cheras Batu 11, Cheras Jaya, Desa Baiduri, Kajang 1 and Kajang 3. This RM1.5 billion-worth project was designed to achieve the Class 1 water quality, specifically in reducing the ammonia level along Sungai Langat where the treatment plant are 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.

The Langat CSTP was inspired by the success of 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.

Technical bodies, professionals, students and the 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.

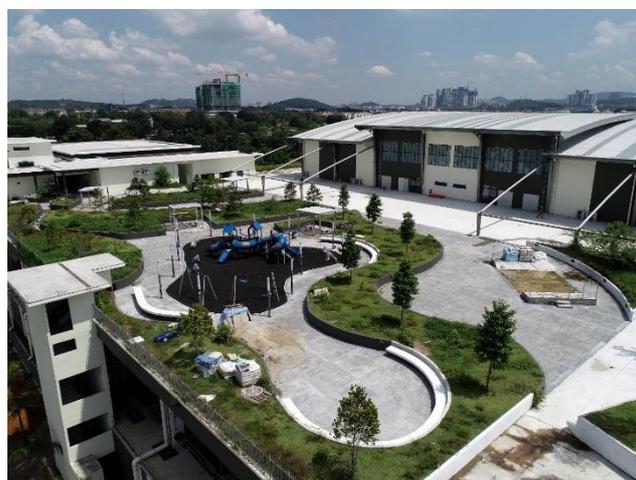


Photo Caption: MMC PLSB is the main contractor for the construction of Langat Centralised Sewage Treatment Plant that has the capacity of 920,000 population equivalent covering a total of 77.6 sq km catchment area starting from Cheras Batu 11 to Kajang. It is designed to

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 Pembetulan Langat Sdn Bhd

MMC Pembetulan 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 Pembetulan 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 77.6 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 Group) is a leading utilities and infrastructure group with diversified businesses under four divisions, namely Ports and Logistics, Energy and Utilities, Engineering and Industrial Development.

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 Group 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 Group is the single largest shareholder of both Malakoff Corporation Berhad and Gas Malaysia Berhad.

MMC Group’s Engineering division has played a leading role for the implementation of the entire project including the underground works package in completing the 51 km Klang Valley Mass Rapid Transit (KVMRT) Sungai Buloh-Kajang project (SBK Line) and is now the main turnkey contractor for the entire Sungai Buloh-Serdang-Putrajaya project (SSP Line). Prior to this, MMC Group 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 Group is currently, undertaking key civil and infrastructure projects in the country namely Langat Centralised Sewerage Treatment Plant and Langat 2 Water Treatment Plant.

Under Industrial Development, MMC Group's Property develops and manages close to 6,000 acres of industrial developments in Iskandar Malaysia, Johor and Kulim, Kedah, which include the Senai Airport City, Tanjung Bin Industrial Park and the Northern Technocity (NTC). The Senai Airport City, Tanjung Bin Industrial Park and NTC developments come under the ambit

of Group Property's three operating companies – Senai Airport City Sdn Bhd, Seaport Worldwide Sdn Bhd and Northern Technocity Sdn Bhd respectively.

In other businesses, MMC Group 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.

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