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## **PRESS RELEASE**

### **3<sup>RD</sup> SUBMARINE WATER PIPELINE IS A FORWARD-THINKING PROJECT FOR PENANG**

- **When the project is completed by end-2020, it will enhance water supply security in the southern areas of Penang Island.**

PENANG, Saturday, 23.11.2019: Work on the final phase of the 3<sup>rd</sup> Penang Twin Submarine Pipeline (3<sup>rd</sup> PTSP) project is progressing on schedule, and is on-track for completion by end-2020.

Penang Chief Minister YAB Tuan Chow Kon Yeow said the RM114.3 million project was a forward-thinking water supply project.

He said the 3 key benefits of the 3<sup>rd</sup> PTSP project were to:

1. Enable more efficient delivery of 315 million litres of treated water per day (MLD) from the Seberang Prai to Penang Island.
2. Back-up the Penang's first twin submarine pipelines which were commissioned in 1973. These "old pipelines" have almost reached end-of-life (EOL) after 46 years;
3. Support the State Government's "no water rationing" policy in the future.

"In case you are wondering about the magnitude of this project, it is engineered to deliver 315 MLD of treated water. This volume of water will fill up 126 Olympic swimming pools every day," he said.

He said the 3<sup>rd</sup> PTSP project would enhance water supply security for people living in the southern areas of Penang Island, stretching from Bukit Dumbar to Teluk Kumbar. Some of the treated water will also reach Balik Pulau.



As such, YAB Tuan Chow said, the 3<sup>rd</sup> PTSP project would benefit about 500,000 residents living in these areas today.

“Moreover, there are thousands of businesses who operate in these areas, including international high-tech manufacturing companies and small-to-medium enterprises (SMEs) in Bayan Lepas and Batu Maung. As such thousands of trade water consumers will also benefit from 3<sup>rd</sup> PTSP project,” YAB Tuan Chow said.

“I would also like to point out that the southern areas of the island are areas in which the Penang State Government is initiating various socioeconomic development projects for the future.

“We will definitely need to deliver more water to these areas in the future, in line with projected population and socioeconomic growth. Accordingly, we may expect the number of beneficiaries of the 3<sup>rd</sup> PTSP project to increase in the future,” he said during a technical visit to Macallum site of the 3<sup>rd</sup> PSP project today.

YAB Tuan Chow commended PBAPP for its forward-thinking approach in water supply engineering for Penang.

“This 3<sup>rd</sup> PTSP project is a good future-oriented water supply engineering project. As such, I would like to commend PBAPP for having the foresight to implement it now, with the best interests of Penang and its people at heart,” he said.

### Work Progress

PBAPP and PBA Holdings Bhd CEO Dato’ Ir. Jaseni Maidinsa said works on the 3<sup>rd</sup> PTSP project had been divided into 3 distinct phases:

- Package 1, referring to the laying of 0.9km of 1,800mm land pipelines in the Macallum area was completed, at a cost of RM9.2 million, in November 2017.
- Package 2, relating to the laying of 0.8km of 1,800mm land pipelines in Butterworth was completed, at a cost of RM15.2 million, in August 2019.

- Package 3, involving the laying of 3.2km of twin 1,200mm submarine pipelines across the channel separating the mainland from the island, is presently being implemented. The cost for this phase is RM89.9 million.

Dato' Ir. Jaseni said Phase 3 was running on schedule; and summarised the progress of current works as follows:

Current Package 3 works		As per Schedule	Completed as at 31.10.2019
1	<b>Excavating undersea trenches for the laying of submarine pipelines</b>	45%	<b>40%</b>
2	<b>Land reclamation work</b>	50%	<b>70%</b>
3	<b>Shore protection work</b>	25%	<b>50%</b>
4	<b>Overall progress</b>	33.53%	<b>34.04%</b>

He said additional works scheduled to commence in 2020 would encompass:

Future Package 3 works		Scheduled
4	<b>Laying of 3.2km of submarine pipelines into trenches</b>	<b>March to May 2020</b>
5	<b>Cleaning &amp; pressure testing of submarine pipelines</b>	<b>May to September 2020</b>
6	<b>Back-filling work to entrench the submarine pipelines in place</b>	<b>June to September 2020</b>
7	<b>Final connection of submarine pipelines to land pipelines</b>	<b>June to September 2020</b>
8	<b>Cathodic pipe protection</b>	<b>September 2020</b>

“Based on the overall status of trench excavation, reclamation and shore protection works at this point in time, the 3<sup>rd</sup> PTSP project is running on schedule. As such, PBAPP is looking forward to the full commissioning of this project by end-2020.

“This project is being undertaken by PBAPP at a total cost of RM114.3 million, for the benefit of Penang,” he said.

“Today, our primary responsibility is No Water Rationing at all costs. This is one of the major projects planned and implemented to meet the future



water demand on Penang Island,” he added.

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