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Press Statement by

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**Chief Executive Officer (CEO), PBA Holdings Bhd (PBAHB) and  
Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP)**

at the Official Opening Ceremony of Package 12, Sungai Dua Water  
Treatment Plant.

## **BOOSTING PENANG'S WATER TREATMENT RESERVE CAPACITY TO 36.3%**

**Package 12 of the Sungai Dua Water Treatment Plant represents an  
expanded and extended water supply assurance to 575,747 water  
consumers in Penang.**

PENANG, Friday (3/6/2016): The official opening of Package 12 of the  
Sungai Dua Water Treatment Plant (Sungai Dua WTP) has boosted  
Penang's water treatment capacity to 36.3%, one of the highest in the  
country.

In 2015, Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP) supplied  
an average of 1014.5 million litres of treated water per day (MLD) in  
Penang. With the commissioning of Package 12, the combined treatment  
reserve capacity of Penang's 9 treatment plants has reached 1,593 MLD.

Therefore, Penang's water treatment capacity is now 36.3% above water  
demand. A 36.3% treatment reserve is important because:

1. It provides a firm guarantee that PBAPP is capable of treating more  
than enough water for Penang, 24/7, 365 days a year. However, like  
any guarantee, it is subject to conditions. In this case, the most  
important condition is the availability of raw water from Sungai Muda.
2. It reflects our commitment to meet Penang's future water treatment  
needs, at least for the next 5 years.
3. It supports PBAPP's mission to avoid water rationing at all costs in  
Penang, as per the direction of the State Government.

In short, Package 12 represents an expanded and extended water supply assurance, from PBAPP to all our 575,747 customers in Penang... including all the high-tech manufacturing plants and world-class hotels, as well as international service providers and property developers.

Package 12 comprises the following 4 key components:

- New intake and raw water pumping stations to increase abstraction of raw water from the Sungai Dua Canal;
- a 114MLD water processing module, equipped with Stainless Steel Lamella Plates, to increase the treatment capacity of this plant;
- Sludge settling and supernatant recovery works to support environment-friendly handling of treatment waste materials; and
- A centralised water testing laboratory to facilitate more precise testing and measurement of raw water and treated water quality.

The Sungai Dua WTP is the most important water supply installation in Penang. It produces more than 80% of the treated water supplied throughout the State of Penang daily.

The commissioning Package 12 marks the successful completion of the 7<sup>th</sup> upgrade of the Sungai Dua WTP since its opening by the late Tun Abdul Razak bin Hussein, the second Prime Minister of Malaysia, in 1973.

The maximum designed output of this plant has been increased from 136 MLD in 1973 to 1,228 MLD in 2016. This represents a 900% increase in water treatment capacity. In other words, we have increased the water treatment capacity of the Sungai Dua WTP by 9 times, or 9-fold.

As such, PBAPP received the international “ASEAN Outstanding Engineering Achievement Award” for engineering works at this water treatment plant.

That said, we must always remember that the main source of raw water for the Sungai Dua WTP is Sungai Muda. This is the reason why we are always concerned with Sungai Muda river levels, especially during this year’s Super El Niño season.

We must not forget the lessons that Super El Niño has taught us.

The Federal Government must formulate a regional raw water crisis management plan that can be implemented during prolonged dry seasons in the future.

The plan must take into account the needs and priority for water supply and irrigation... before dam reserves reach critical levels. Most importantly, this regional plan must clearly prescribe preventive measures to avoid water rationing at all costs.

Such a plan may be formulated, emplaced and enforced by the Ministry of Energy, Green Technology and Water (KeTTHA) and the National Water Services Commission (SPAN).

We do not know when the next “super drought” will hit Malaysia. However, the 4 states in the Northern Region must be in a better position to face such a drought in the future.

Thank You.

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