

PUB requests for proposals to build fifth desalination plant

Four pre-qualified applicants have been invited to submit proposals for desalination plant on Jurong Island.

Singapore, 7 Feb 2017 – PUB, Singapore’s national water agency, put up a Request for Proposal (RFP) today for the development of Singapore’s fifth desalination plant. To be built on Jurong Island under a Design-Build-Own-Operate (DBOO) arrangement by 2020, the plant will add another 137,000 cubic metres, or approximately 30 million imperial gallons of desalinated water (mgd) a day to Singapore’s water supply, enhancing water supply resilience.

Four applicants were shortlisted from an earlier pre-qualification exercise to submit their proposals for the desalination plant. They are Keppel Infrastructure Holdings Pte Ltd, Sembcorp Utilities Pte Ltd, Tuas Power Ltd, and YTL Power International Berhad. The desalination plant will be co-located within the successful applicant’s existing facility such as a power plant or steam generation plant on Jurong Island, so potential synergies in resources such as seawater intake and outfall structures or energy can be derived.

“Desalinated water is a key pillar of Singapore’s water supply strategy. As a source of water that is independent of rainfall, it bolsters the reliability of our water supply against prolonged periods of dry spells and droughts,” said Mr Young Joo Chye, PUB’s Director of Engineering Development and Procurement.

There are currently two desalination plants in Singapore with a combined capacity of 100 mgd and this can meet up to 25% of Singapore’s current water demand. The third desalination plant is expected to be completed in Tuas by 2017, and the fourth in Marina East by 2020. Desalinated water is expected to meet up to 30% of Singapore’s future water needs by 2060.

The successful applicant will enter into a 25-year water purchase agreement to supply desalinated water to PUB. The water purchase agreement will set out the tariff structure, terms and conditions for the supply and purchase of desalinated water.

About PUB, Singapore's National Water Agency

PUB is a statutory board under the Ministry of the Environment and Water Resources. It is the national water agency, and manages Singapore's water supply, water catchment and used water in an integrated way.

PUB has ensured a diversified and sustainable supply of water for Singapore with the Four National Taps (local catchment water, imported water, NEWater, desalinated water).

PUB calls on everyone to play a part in conserving water, in keeping our waterways clean, and in caring for Singapore's precious water resources. If we all do our little bit, there will be enough water for all our needs – for commerce and industry, for living, for life.

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