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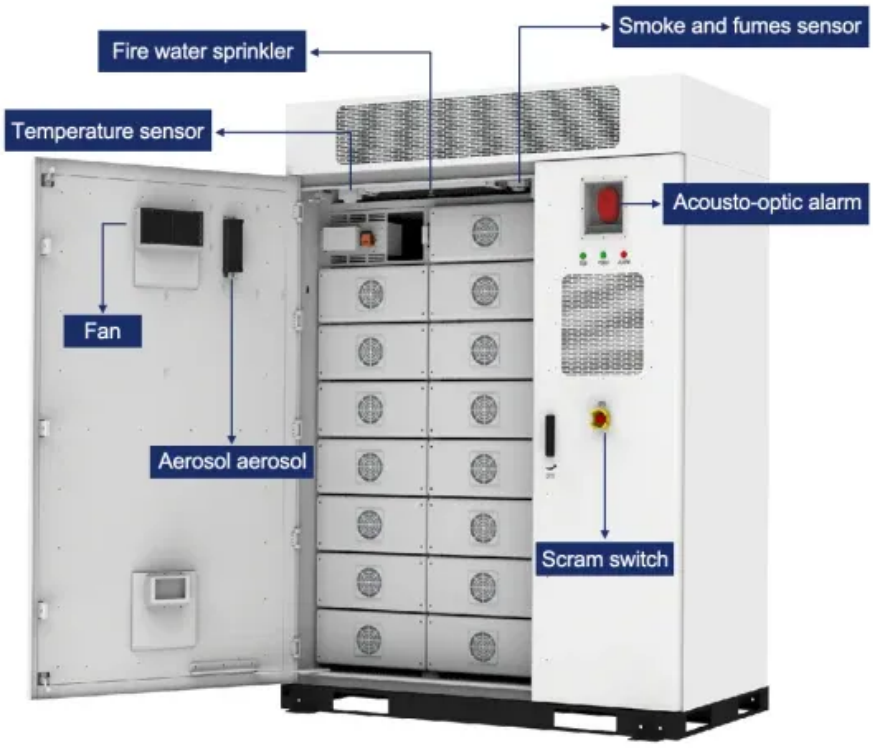
Bangkok Hydropower Energy Storage Project



Overview

What is the South Bangkok power plant project (extension)?

The South Bangkok Power Plant Project (Extension) will be located in Bang Prong Sub-district, Mueang District, Samut Prakan Province. It will be a single shaft combined cycle power plant with three 700 MW units. The units will primarily use LNG from EGAT’s floating storage and regasification unit (FSRU) with diesel as a secondary fuel.

What is pumped storage hydropower (PSH)?

This effort aims to stabilize the clean energy supply, supplementing solar and wind power, which are subject to weather fluctuations. Egat's feasibility study focuses on implementing pumped storage hydropower (PSH) technology at the dams. Deputy Governor Tawatchai Sumranwanich explains that PSH involves two reservoirs at different elevations.

How much does power generation cost in India?

The power generation cost is relatively low, around two baht per kilowatt-hour. The three targeted dams are the Chulabhorn dam in Chaiyaphum with an 801 MW capacity, the Vajiralongkorn dam in Kanchanaburi with 891 MW, and the Kathun dam in Nakhon Si Thammarat with 780 MW.

Which of the following dams will start operation in 2034?

The three targeted dams are the Chulabhorn dam in Chaiyaphum with an 801 MW capacity, the Vajiralongkorn dam in Kanchanaburi with 891 MW, and the Kathun dam in Nakhon Si Thammarat with 780 MW. They are expected to commence operations in 2034, 2036, and 2037.

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Three more hydropower dams operated by the Electricity Generating Authority of Thailand (Egat) will be developed into giant ...

This project aims to serve as an energy storage system to ensure the security of the country's power system and support the transition toward ...

Renewable energy contributes 18.3%, with biomass at 9.8% and hydropower at 3.7%. In the draft National Power Development Plan (PDP 2024-2037), Thailand aims to ...

Thailand has announced plans to build three hydropower dams as part of its push towards clean energy, with an investment of 90 billion baht.

The Electricity Generating Authority of Thailand (Egat) plans to convert three hydropower dams into massive energy storage systems ...

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Thailand, like any other ASEAN nations, stands at an important crossroad in its energy verse. Having announced its goals to hit ...

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Pumped storage hydropower (PSH) is a type of hydroelectric energy storage. It is a configuration of two water reservoirs at different elevations that can generate power as water moves down ...

To mitigate the impact of intermittent wind and solar power generation, the Electricity Generating Authority of Thailand (EGAT) plans to invest 90 billion Thai baht ...

Egat plans to convert three hydropower dams into giant energy storage facilities, supporting Thailand's renewable energy needs through a 90-billion-baht pumped storage ...

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Thailand, like any other ASEAN nations, stands at an important crossroad in its energy verse. Having announced its goals to hit carbon neutrality by 2050, and net-zero before ...

Three more hydropower dams operated by the Electricity Generating Authority of Thailand (Egat) will be developed into giant "batteries" under a 90-billion-baht investment to ...

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