

Hydropower Generation Station

This hydropower generation station uses the kinetic energy of water to generate electricity. It includes a dam, spillway, and power plant.



Overview

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This hydropower generation station is a robust civil engineering solution designed for efficient renewable energy production. Featuring a substantial gravity dam structure, it is engineered to withstand immense reservoir water pressure while facilitating controlled water release through an integrated spillway system. The facility includes a dedicated power plant building at the base, housing advanced turbines and generators that convert kinetic energy into reliable electricity.

Technical Specifications

Facility Components

- Gravity dam structure
- Spillway with multiple control gates
- Water intake structure
- Base-mounted power plant building

Dam Construction Type	Gravity Dam
Primary Function	Renewable Energy, Electricity Generation, Water Management