

Hydroelectric Power Generation Plant

This hydropower plant features a large dam that impounds a substantial reservoir of water. The facility channels water through penstocks to drive turbines and generate electricity.



Project Overview

Sanbanxi Hydropower Generation

The Sanbanxi Hydropower plant represents a major large-scale engineering achievement in renewable energy production. It utilizes a robust dam construction and extensive reservoir management system to channel water effectively through high-capacity penstocks. This infrastructure ensures reliable turbine operation and sustainable electricity generation while incorporating advanced safety spillways for optimal water flow management.

Technical Components

Core Infrastructure

- Large-scale dam structure
- Water impoundment reservoir
- High-flow penstocks
- Turbine and generator powerhousing
- Grid transmission infrastructure
- Safety spillway systems

Operational Features

Primary Capabilities

Renewable Power, Grid Integration, Water Management, High Efficiency