

Large-Scale Hydraulic Dam for Water Management

The dam is a large-scale hydraulic structure designed for water management and flood control. It features multiple spillway gates regulated by a control structure, allowing for precise water release.



Overview

Large-Scale Hydraulic Infrastructure

The Longyou Xiaoxitan Dam is a sophisticated hydraulic structure engineered for comprehensive water management and flood control. Constructed with robust reinforced concrete, the system features precise spillway gate regulation and energy-dissipating stilling basins to ensure operational stability. It serves multiple industrial and environmental purposes, including reservoir storage for irrigation and water supply, while integrating ecological considerations through dedicated fish passage facilities.

Technical Specifications

Design & Construction

- Reinforced concrete construction
- Regulated spillway gate system
- Downstream energy dissipation stilling basin
- Integrated fish passage facilities
- Advanced sedimentation control

Operational Capabilities

Flood Control, Water Storage, Irrigation Support, Water Supply, Hydroelectric Potential

Monitoring & Maintenance

Key Operational Metrics

1 Active

Structural Integrity Monitoring

1 Certified

Environmental Mitigation

Structural Monitoring

Yes