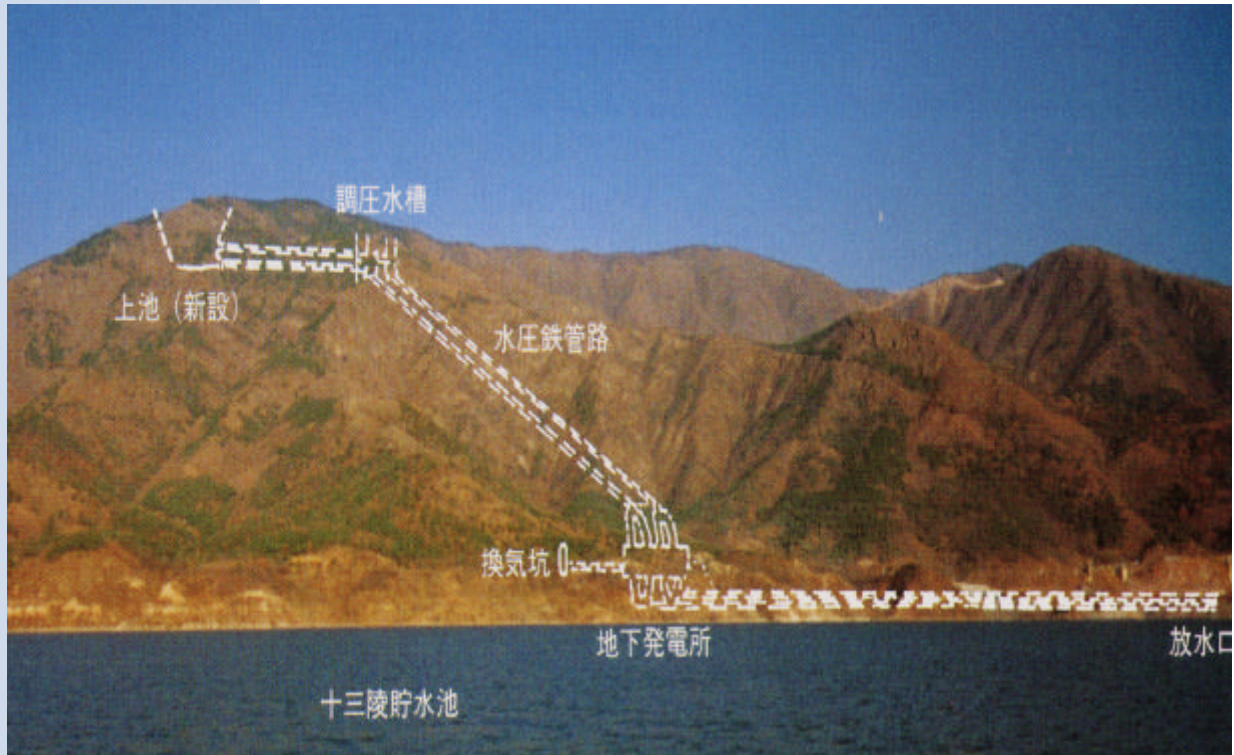


# SHISANLING

China

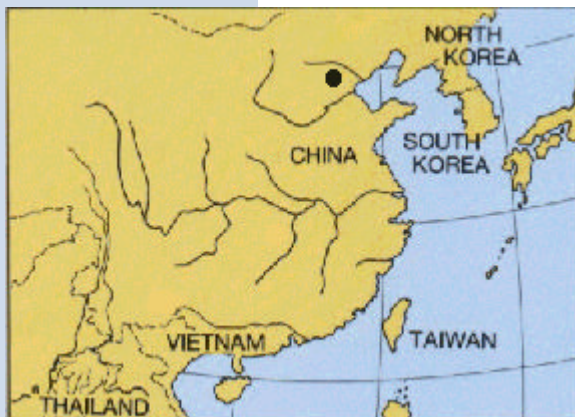


General Plan

## DESCRIPTION

The project is to construct a pumped storage power plant (underground type, 800MW), using an existent lower reservoir and a newly constructed upper reservoir (asphalt facing rockfill dam, 120m high, 464m long).

EPDC was awarded contract for construction supervision of the project, financed by the OECF of Japan.



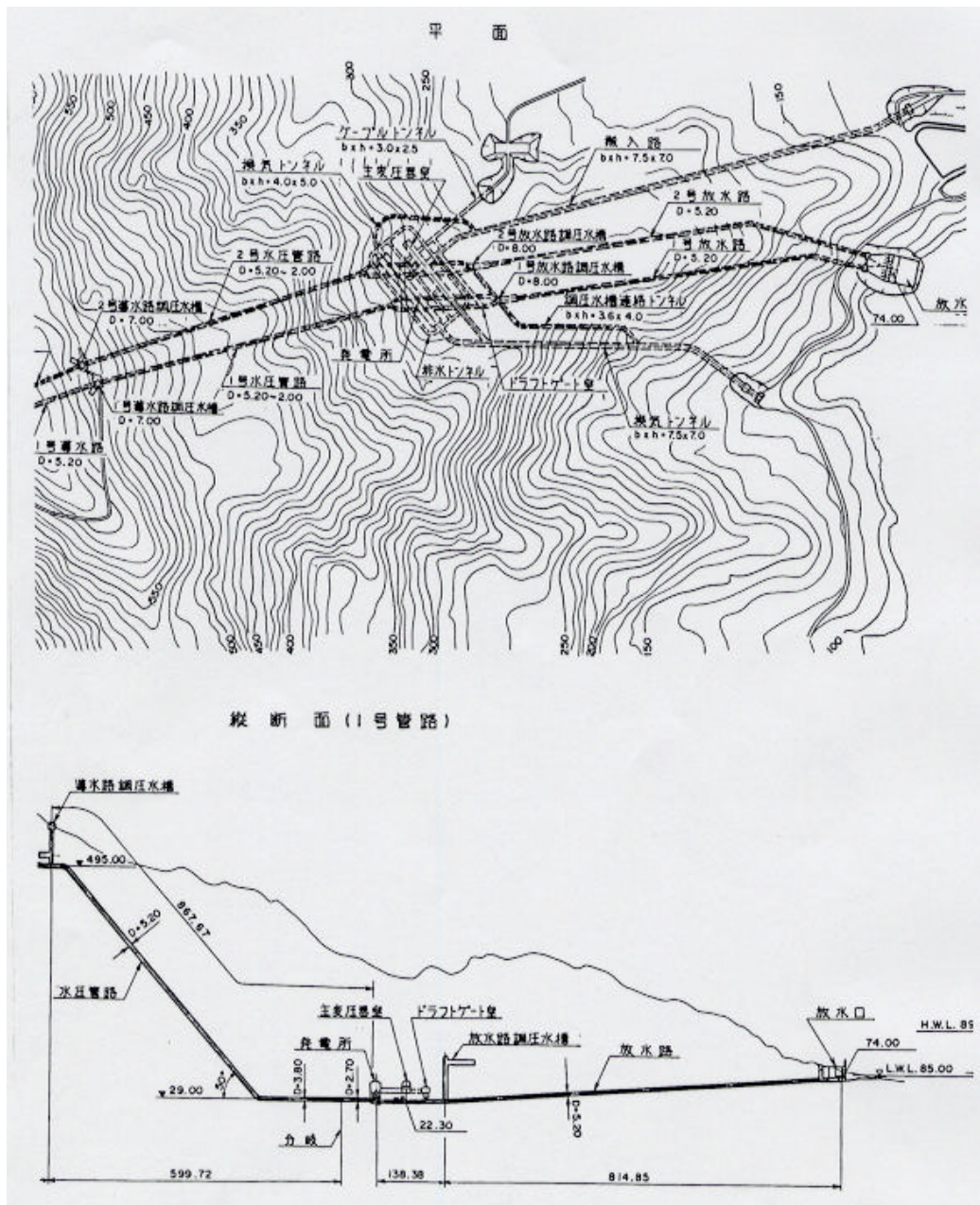
## NAME OF CLIENT:

Ministry of Energy

**CAPACITY:** 800 MW

## SERVICES:

Construction Supervision  
(July, 1991 - May, 1996)



General Layout

Principal Characteristics of Project

Upper Reservoir	Effective Storage Capacity	$3.81 \times 10^6 \text{m}^3$
Upper Dam	Type	CFRD
	Height x Crest Length	120x464m
Lower Reservoir	Effective Storage Capacity	$33.36 \times 10^6 \text{m}^3$
Lower Dam	Type	Rockfill with Inclined Impervious Core
	Height x Crest Length	29x627m
Headrace	Diameter	5.2m
	Length	388m, 399m (2 lines)
Penstock	Diameter	5.2-3.8m
	Length	824m, 784m (2 lines)
Powerhouse	Type	Underground
Tailrace	Diameter x Length	4.0m x 141/154m - 5.2m x 780/840m
Turbine	Type	Reversible Vertical Shaft, Francis Pump-Turbine
	Output x No. of Unit	200MWx4
Generator	Type	3-Phase AC Synchronous Generator-Motor
	Output x No. of Unit	222MVAx4