

600MW and an annual power generation of 1.52GWh. The project was commenced in 1998 and completed in June 2002, and compared to the original investment scheme 959 million RMB was reduced.

Main Features

Project location	On main stream of Tingjiang River, Yongding County, Fujian Province	Main Dam	
Construction scale	Total installed capacity of 600MW	Type	RCC Gravity Dam
Hydrology		Maximum height	113.0 m
Catchment area upstream dam site	7907 km ²	Crest length	308.5 m
Long-term mean annual runoff	7320 million m ³	type of anti-seepage	Roller compacted concrete with aggregate graded 5-20 mm and 20-40 mm
Flood capacity		Main construction volumes	
Design flood capacity (three days P=0.2%)	1980 million m ³	Concrete (gross)	615000 m ³
Check flood capacity (three days P=0.02%)	2600 million m ³	Roller compacted concrete	500000 m ³
Silt		Normal concrete	115000 m ³
Long-term mean annual silt concentration	0.236 kg/m ³	Spillway	
Long-term mean annual silt carrying capacity	2.13 million tons	Type	Open type on crest
Reservoir		No. of gates	3
Reservoir area at normal storage water level	64 km ³	Size of gates	16.0×18.5 m
Check flood level (total storage capacity)	2035 million m ³	Bottom outlet	
Normal storage water level	1698 million m ³	Type	Rectangular hole with pressure, located inside the dam
Regulation storage	1122 million m ³	No. of outlet	1
Dead storage	576 million m ³	Control size	5×7.2 m
Regulation performance	Incomplete annual regulation		
Quantity of discharge			
Maximum discharge at checked flood level (P=0.02%)	11890 m ³ /s	Maximum discharge at designed flood level (P=0.2%)	9840 m ³ /s

