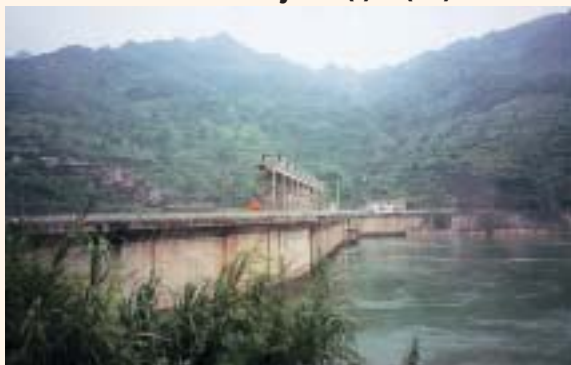


China

Tianshengqiao (Basuo) Hydroelectric Power Project (I) - (VI)



The dam at Tianshengqiao Hydroelectric Power Plant

Outline of Loan Agreement

Loan Amount / Disbursed Amount	77,375 million yen / 71,930 million yen
Loan Agreement	October 1984 - May 1989
Terms & Conditions	Interest rate 2.5%-3.5%p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	October 1989 - May 1996

Project Outline

Hydroelectric power generating facilities (total capacity 1,320MW) were constructed at Tianshengqiao on the upper reaches of the Hongshui River in southern China, in order to meet increased demand for power in Guangdong Province, etc.

Results and Evaluation

This project was implemented via a total of six phased Japan's ODA loans signed between 1984-89, and covered the construction of the dam, a power plant, power transmission lines, and substations; it was completed in 1997, approximately 7 years behind schedule.

The extension of the construction period was caused by delays in start up due to mudslides at the site and the need for additional work to be undertaken at the site of the headrace tunnel where the ground was weaker than predicted.

Power plant operations have progressed smoothly since the plant became partially operational in 1993, and in recent years, output has increased from 4.8 billion kWh in 1999, to 5.9 billion kWh in 2000, and 7.3 billion kWh in 2001, thus the project is evaluated as having contributed to power supplies in the provinces of Guangdong and Guizhou, and in Guangxi Zhuang Autonomous Region. The plant's operating rate has been maintained at the target level of 95%, and there have been no major operational problems; transmission losses have remained low-level, at between 0.2-0.7%.

This project necessitated the relocation of 115 people in 1992, however, no problems have subsequently occurred in rebuilding their lives. Moreover, no major problems have been identified in the technical capacity/organizational structure of the executing agency, and the power plant is being well managed.