

Indonesia

East Java Electric Power Transmission and Distribution Network Project (IV)



The Gili Timur Substation

Outline of Loan Agreement

Loan Amount / Disbursed Amount	14,000 million yen / 11,570 million yen
Loan Agreement	February 1985
Terms & Conditions	Interest rate 3.5%p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	January 1995

Project Outline

The project aimed to improve the electrification rate and to stabilize the electricity supply by expanding the transmission facilities in East Java Province, especially in Surabaya city.

Results and Evaluation

Development of the power generation/transmission and distribution network in this region have been in progress since the 1970s and have been supported by yen loans.

This project follows on from Phases I~III (incl. a 770km transmission grid), which had been completed by 1983, and covered the construction of new 150kV transmission lines (2CCT-68km, 1CCT-181km) and 9 substations (150/20kV). Work was completed in 1994.

The capacity of transmission lines and substations provided under this project account for, respectively, 10.5% and 11.4% of the total in the entire province, which is almost triple the capacity envisaged in 1982, before project implementation.

The household electrification rate for the region grew from the pre-project level of 20% in 1992 to 50% in 1999 post completion. Meanwhile, figures of the frequency and duration of outages for the same period dropped dramatically, by around a fifth and a third, respectively. Thus this project, in combination with other power projects, is evaluated as having contributed to improving the electrification rate and stabilizing electricity supplies.

In recent years, the executing agency, the state-owned electricity supply corporation, Perusahaan Listrik Negara (PLN), has been pursuing managerial efficiency through corporate restructuring, and no particular problems have arisen in the operation and maintenance of the substations to date.