

Thailand

Power Distribution Systems Reinforcement Project (Stage III-Phase 2) (Stage III-Phase 3)



Newly installed substation

Outline of Loan Agreement

Loan Amount / Disbursed Amount	15,260 million yen / 15,159 million yen
Loan Agreement	September 1984 / September 1987
Terms & Conditions	Interest rate 3.0%-3.5% p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	September 1989 / September 1992

Project Outline

The project aimed to expand electricity supplies over the entire country by developing a main power distribution grid covering the key regional cities, thereby promoting the electrification of farming communities and contributing to regional development.

Results and Evaluation

This project constitutes the third stage of the Power Distribution System Reinforcement Project, which has been in progress under yen loan support, since the 1970s, and covered the construction of 18 systems in Phase 2 regions and 28 systems in Phase 3 regions, for a total of 46 systems. Construction work for each phase was completed in 1989 and 1992, respectively.

The target regions include a number of industrialized zones being promoted by the Thai government, and the increased numbers of corporations has resulted in increased power demand from industrial bulk users. The volume of electricity supplied to Phase 2 regions roughly doubled between 1984-90 and increased almost threefold in the Phase 3 regions between 1988-93.

Meanwhile, in Phase 2 regions the rural electrification rate grew from around 60% in 1984 to 90% in 1989, and reached close to 100% on entering the 1990s. Moreover, in Phase 3 areas, after the project was completed, electrification proceeded at an average rate of 341 villages per year between 1993 and 2000, and some 32,000 households have been electrified, thus the project is evaluated as having contributed to improving living standards via the promotion of rural electrification. The transmission facilities continue to operate in good condition despite having been installed more than ten years ago, and no problems have been observed in the operation and maintenance work being conducted by the Provincial Electricity Authority.