

## 37 Guatemala

### Guatemala City Groundwater Development Project



A deep well constructed under this project

#### Outline of Loan Agreement

Loan Amount / Disbursed Amount	4,711 million yen / 4,465 million yen
Loan Agreement	June 1992
Terms & Conditions	Interest rate 2.7% p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	August 2000

#### Project Outline

A development of new ground water sources was undertaken in metropolitan Guatemala City, based on the first stage emergency plan of the Water Supply Master Plan, with the aim to increase the water supply capacity of Guatemala Municipal Water Supply Public Corporation (EMPAGUA) and improving basic infrastructure for the city's socioeconomic activities.

#### Results and Evaluation

Through this project, the construction of 34 deep wells, the installation of related facilities, and the rehabilitation of 19 existing wells were undertaken. The project implementation was delayed by over six years due to consensus building/readjustment, acquisition of project sites and so on. Guatemala City's water supply coverage was 54% in 1990, which has increased from 77% to 89% between 1997 to 2001. Moreover, the project has achieved 1.14 m<sup>3</sup>/second of the water supply capacity, compared with the planned 1.0m<sup>3</sup>/second, and the water supply duration has increased by 9.1 hours/day. The poorest segment of the population, who was going to waterworks to draw water before the project, have now a better access to safe water and spend less time for drawing water, for the project has realized the individual water supply connection. Meanwhile, due to the increased dependence upon ground water in Guatemala, draft laws of measures against depletion of the ground water are under consideration. Operation and maintenance of the facilities have been adequately conducted by the experts with sufficient budget allocated. On the other hand, the financial condition of the executing agency is not sound as the water tariff have been set low.