

China

Beijing Water Supply Project (I)(II)



Water treatment plant

Outline of Loan Agreement

Loan Amount / Disbursed Amount	15,480 million yen / 15,311 million yen
Loan Agreement	August 1988 / May 1989
Terms & Conditions	Interest rate 2.5%p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	August 1995 / May 1996

Project Outline

Surface water treatment facilities, capacity 500,000m³/day, were constructed in Beijing to respond to increases in water demand, improve basic living standards, and contribute to industrial development, etc., in the city.

Results and Evaluation

Japan's ODA loans for the project were provided in two phases, which covered increases to the treatment capacity (500,000 m³/day) of the water treatment plant already under construction, to 1 million m³/day. The water treatment facilities were completed in December 1994, the treatment plant in May 1995, and the water distribution equipment in December 1996. The utilization rate for the water treatment in facilities fluctuated between 80%-100% until 2000.

Prior to implementation, in 1988, Beijing residents used an average of 65 liters of water per day, this increased to 110 liters/day in 1996, and again to 120 liters/day in 2000, almost doubling, thus the project is evaluated as having contributed to improving the living environment in the city.

Moreover, since Beijing was dependent on underground water sources, there were restrictions on the water supply to the plant due to problems with subsidence caused by over-pumping. However, the project has resulted in the ratio of the water supply accounted for by underground water decreasing from 50% in 1996 to 39% in 2000, and the water supply restrictions on the plant have been lifted. The waterworks are supervised by Beijing City Water Authority, and no problems have been identified in terms of technical standards/organizational structure, and so forth, and the facilities are being well operated and maintained.