

Overseas Projects in 2007



13

[Vietnam] Hoa Khanh Tay Water Supply Project (2007)

• Summary

Urbanization and industrial water shortage due to the industrialization of the regional economic center of southern Vietnam, one of the eight long sung's personality

• Scope

- Feasibility study & Detailed design
- Construction supervision and capacity building training



12

[Afghanistan] Istalif Micro-Hydro Power Plant Follow-up management Project (1st) (2006 ~ 2007)

· **Summary**

K-water won this project on a turn-key basis encompassing feasibility study, detailed design, construction works and construction supervision for a small hydro power project in the town of Istalif. K-water also has engaged in technical assistance services for the operations and maintenance of the project.

This project aims to improve the economy of local area through operating Istalif Micro-Hydro Power Plant efficiently and stabilizing power supply to the local area.

· **Scope**

- Recovery works for flooded damage and Improvement works for facilities
- Routine technical assistance
- Invitation of trainees



11

[Iraq] Erbil Water and Sewerage System Improvement Project (2005~2007)

· Summary

The object of this project is to improve the public sanitation and living conditions in Erbil through the long-term program for pure water supply focused on increment of water supply and development of water related facilities.

· Scope

- Set up a development program for water supply facilities
- Rehabilitation of out-worn water supply system
- Establish a new plan for underground water and water supply with technical diagnosis
- Design of sewerage system and technical training for local engineers



10

[Vietnam] Feasibility Study for Water Supply Project in Hoabinh (2006~2007)

- Summary

The contract of suitability survey was signed by K-water and the Export and Import Bank of Korea on the 27th last November. This survey is a part of the EDCF project, called 'Hoabinh water supply & s development', aided by Korean government. The project provides the 20,0000 ton/d municipal water supply and industrial water for two towns southwestern of Hoabinh city. After the completion of the suitability survey which lasts three months from December 2006, construction project is slated to be conducted for three years.

- Scope

- Local Survey for Social and Economic Situation
- Survey for Water Resources(Water Supply)



09

[Vietnam] Feasibility Study for Water Supply Project in Hoabinh (2006~2007)

· Summary

Main purpose of this project is focused to promote the conditions of health and sanitation in rural areas. This will improve water supply systems for local farmers and their livestock with this project besides, the relation between Mongolia and K-water is expected to further.

· Scope

- Construct underground water wells and well protection
- Provide digging operation, technical consultation for design and construction



08

[Indonesia] Karian Dam Project - Feasibility Study and Detailed Design (2004~2006)

· Summary

The areas of Kabupatents Serang and Tangerang in Indonesia are undergoing industrialization and urbanization. As a result, the population has been growing at a high rate. The purpose of this project was to satisfy the demand for municipal and industrial water and control floodings in the area through optimized water supply to industry by supplementing irrigation facilities in the area.

· Scope

- Feasibility study for hydraulic structures
- Environmental impact analysis and resettlement plan
- Detailed design & construction of facilities
- Assignment of Korean experts and training of local engineers



07

[Afghanistan] Istalif Micro-Hydro Power Plant Project (2004~2006)

· Summary

K-water plans to build a micro hydro power plant to supply electricity to a local residents. After the construction of this plant, K-water will turn over the maintenance technology for the plant to the local engineers. This project will help the development of industrialization and improve Istalif,'s living conditions.

· Scope

- Field investigation & preliminary design
- Detailed design & construction of facilities
- Assignment of Korean experts and training of local engineers



06

[Peru] Feasibility Study for Amaris Area Water Supply Project (2004~2006)

· Summary

This project will enhance regional water supply services within Huanuco Province. This area is suffering from chronic shortages of water supply. By conducting a technical diagnosis of the existing water supply facilities, K-water can present a new plan for improvements to the water supply. The hygienic conditions and living conditions of the region will be greatly improved through this project.

· Scope

- Review the existing studies, design reports records and relevant data
- Technical diagnosis and detailed design of water supply facilities
- Construction of water supply facilities for San Luis



05

[Cambodia] Feasibility Study for Multi-Purpose Water Resources Development in Krang Ponley River Basin (2004~2005)

· Summary

In this area, K-water has performed a feasibility study aimed at improving the utilization and reliability of the water resource system. Due to the completion of this study, usage via irrigation and agricultural conditions in the river basin have been improved remarkably.

· Scope

- Feasibility & field study as well as an investigation for repairing of waterways and river banks
- Training and transfer of technology



04

[Cambodia] Tamouk Reservoir Rehabilitation Project (2003~2004)

· Summary

K-water successfully completed the Tamouk Reservoir Rehabilitation Project which secure water resources for residents outside of Phnom Penh, Cambodia. This project also enlarged the river's flood control capacity. Increased productivity in the agricultural sector in this region was also a direct result of this project.

· Scope

- Technical support (propriety report, water resources development and reservoir operation manual, education and training of management)
- Design and construction of the main floodgates and auxiliary floodgates



03

[Nepal] Chameliya Hydro Power Plant Project Implementation Design (2000~2002)

· Summary

K-water provided the implementation design for the construction of a 30MW hydro power plant on the Chameliya river in western Nepal.

· Scope

- Re-examination of the feasibility study for the hydro power plant
- Completion of the implementation design and tender document for the project
- Construction of attached facilities: Roads and bridge



02

[Cambodia] Mekong Delta Estuary Flood Control Project (1999~2000)

· Summary

K-water played a key role in the Mekong Delta Estuary Flood Control Project by establishing and conducting long/short term flood control plans that will help to facilitate the development of the Mekong River area.

· Scope

- Establishment of long/short term water control plans for the development of the downstream areas of the Mekong River
- Development of a hydraulic flood control model and the training local technicians.



01

[China] Comprehensive Development Study for Upper Fenhe River Basin Including a Pre-Feasibility Study of the No.3 Fenhe Multi-Purpose Dam Project (1994~1996)

· Summary

As a result of a technological cooperation agreement between the Korean and Chinese governments, together with an international aid program, K-water provided a survey of the upstream area and the river basin of the Fenhe River near Taiyuan City in Shanxi Province, China. The purpose of this project was to alleviate the city's chronic water shortage.

· Scope

- Development of a decision making system for the planning and development of the Upper Fenhe River basin
- Calculated the optimum size of the No.3 Fenhe River multi purpose dam based on a preliminary feasibility study