

## Kunduz Khanabad Irrigation System

### Project Summary

<b>Subsector</b>	Irrigation System Rehabilitation
<b>Location</b>	Kunduz Province, Northern Afghanistan
<b>Project Cost</b>	\$25.0 Million
<b>Project Type</b>	Irrigation System Rehabilitation
<b>Project Executing Firm/Agency</b>	Ministry of Irrigation
<b>Funding Agency</b>	Not Identified



## Project Outline

The Kunduz Khanabad Irrigation System (KKIS) was a pre-war World Bank initiative. It was designed by the Water and Power Consultancy Services, Ltd. (WAPCOS) group from New Delhi and constructed by the Helmand Construction Company, Kabul, from 1969 until 1979, when construction stopped. The project is between 70 and 90 percent completed. The KKIS is an impressive if not haunting site on the Taloqan River, 29 kilometers east of Kunduz.

## Technical Description

The diversion structure, pictured above, measures 156 meters in length and 12 meters in width. It also acts as a bridge across the river. The diversion structure is composed of 13 gates that are each 12 meters wide. Only 11 of the 13 gates actually have the iron curtains installed that are required in order to control the flow of the river. However, the

electrical and mechanical components needed for this activity were never installed. Indeed, there are no electrical connections at or near the site.

## **Project Site**

The diversion structure is located 29 kilometers east of Kunduz. The main canal runs 18 kilometers from east to west into the outskirts of Kunduz town.

## **Project Status/Timeline**

The status of the project is dormant. Any timeline for reconstruction would be donor driven.

## **Equipment and Services**

Necessary equipment includes:

- Electrical components and mechanical equipment for raising and lowering the steel curtains
- Electrical transmission components for bringing electricity to the site
- Earth moving/excavation equipment for canal dredging
- Possible computer-controlled flow metering systems and usage metering equipment

## **U.S. Competitiveness**

Depending on the donor and donor regulation, the U.S. could be quite competitive in the earth moving equipment field and the computer and mechanical components.

## **Project Financing**

Presently, there is no financing available to the Ministry of Irrigation.

## Conclusion

The Government of India funded a complete technical assessment of the Kunduz Khanabad Irrigation system during October and November of 2002. The firm that carried out this assessment was WAPCOS, the original designers of the World Bank funded project.

The technical assessment is scheduled to be released to the Government of Afghanistan during the spring of 2003.

It remains to be seen what other donor interest there is on this large-scale irrigation project.

## Key Decision Makers

<b>Organization or Company Name</b>	Ministry of Irrigation, Water Resources and Environment
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