

Water Sector

Projects

- Kunduz Khanabad Irrigation System
(Ministry of Irrigation)



Kunduz Khanabad Irrigation System

Project Outline

The Kunduz Khanabad Irrigation System (KKIS) was a pre-war World Bank initiative. It was designed by an Indian company, WAPCOS (Water and Power Consultancy Services, Ltd.), and constructed by the Helmand Construction Company of Kabul from 1969 until 1979, when construction stopped.

The project is between 70 to 90% completed (estimates vary). It is located on the Talogan River, 29 kilometers east of Kunduz.



Kunduz Khanabad Irrigation System

Technical Descriptions

The diversion structure measures 156 meters in length and 12 meters in width and also acts as a bridge to the north side of the river. It is composed of 13 gates that are 12 meters wide. Only 11 of the 13 gates actually have the iron curtains installed that are required to be raised and lowered in order to control the flow of the river.

The electrical and mechanical components needed to raise and lower the gates were never installed.



Kunduz Khanabad Irrigation System

Project Site

The Kunduz Khanabad Irrigation System is located 29 kilometers to the east of Kunduz, in Northern Afghanistan. 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 will be driven by the financing agency.



Kunduz Khanabad Irrigation System

Equipment & Services

The following equipment and services are needed to complete the project:

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



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Project Financing

Total project cost is estimated at \$25 million.

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

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.

