Early Warning System

ADB-52256-011

Enhancing climate-resilient ground water management approaches

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Quick Facts

Countries	Kyrgyzstan
Specific Location	Aravan, Nookat, Leilek, Panfilov
Financial Institutions	Asian Development Bank (ADB)
Status	Approved
Bank Risk Rating	B
Voting Date	2024-02-26
Borrower	Government of Kyrgyzstan
Sectors	Agriculture and Forestry, Law and Government, Water and Sanitation
Investment Type(s)	Grant
Investment Amount (USD)	$ 1.88 million
Grant Amount (USD)	$ 1.88 million

Project Description

As stated by the ADB, the proposed sixth subgrant, Activity 6: Enhancing Climate-Resilient Ground Water Management Approaches, will reinvigorate on-farm ground water management approaches and improve service efficiency of the Water Resources Service, the executing agency of Activity 6. It is the same EA that is implementing the ongoing project L3746/G0632 Climate Change and Disaster-Resilient Water Resources Sector Project (the linked project). Due to significant decline of water resources, water from irrigation systems have become insufficient and its scarcity is exacerbated by climate change impacts. A decrease in summer precipitation by 10% and an increase in air temperature by 5% will increase crop water requirements by 15-20%, higher evaporation rates from surface water (especially during summer), and soil moisture depletion, which can lead to drought-like conditions. Shifts in the seasonal cropping season and increases in water use for agriculture may lead to crop failure when irrigation water demand is unmet due to changes in the amount of streamflow. Farmers at the lower end of irrigation schemes are experiencing frequent water shortages, affecting agricultural livelihoods. Because of the water scarcity, previously irrigated land becomes saline and inadequate, reducing agricultural productivity and causing displacement of rural population. A solution to address this shortage is to use ground water as an alternative reliable water source.
The proposed project will increase climate and disaster resilience, water productivity and income of agricultural communities in four districts (Aravan, Nookat, Leilek and Panfilov) and contribute to addressing rural poverty. While the linked project focuses on surface water irrigation schemes, Activity 6 will enhance water availability by introducing sustainable use of groundwater resources and improved water efficiency on farms.

Early Warning System Project Analysis

The ADB categorized the project E&S risks as follows:

Environment	B
Involuntary Resettlement	C

Investment Description

- Asian Development Bank (ADB)

Contact Information

ADB Team Leader:

Ainagul Amanova - Senior Project Officer, KYRM, CWRD

No contacts available at the time of disclosure.

Executing Agency - Department of Water Resources and Melioration, Ministry of Agriculture, Food Industry, and Melioration:

No contacts available at the time of disclosure.

ACCESS TO INFORMATION

You can submit an information request for project information at: https://www.adb.org/forms/request-information-form

ADB has a two-stage appeals process for requesters who believe that ADB has denied their request for information in violation of its Access to Information Policy. You can learn more about filing an appeal at: https://www.adb.org/site/disclosure/appeals

ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: http://www.adb.org/site/accountability-mechanism/main.

Bank Documents

- Draft Initial Environmental Examination
- Project Disclosure PDF
- Social Due Diligence Report

Other Related Projects

- ADB-51081-002 Climate Change and Disaster-Resilient Water Resources Sector Project
- ADB-52256-001 Naryn Rural Water Supply and Sanitation Development Program
- ADB-52256-002 Preparing the Naryn Rural Water Supply and Sanitation Development Program
- ADB-52256-004 Supporting the Naryn Rural Water Supply and Sanitation Development Program
- ADB-52256-003 Multisector Activities Support Facility
- ADB-52256-006 Osh-Plotina Water Treatment Plant Chlorine Neutralization Unit
- ADB-52256-007 Naryn Program Readiness
- ADB-52256-008 Project Readiness for the Issyk-Kul Environmental Management and Sustainable Tourism Development
- ADB-52256-010 New Water Intake to the City of Osh
- ADB-52256-009 Kyrgyz Republic : Almaty–Bishkek Economic Corridor Regional Improvement of Border Services Project Readiness
- ADB-52256-012 Additional Financing for Naryn Rural Water Supply and Sanitation Development Program