Early Warning System

ADB-59196-001

Floating Solar Photovoltaic Development Project

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Quick Facts

Countries	Kyrgyzstan
Specific Location	10 kilometers northeast of Bishkek; villages of Druzhba and Dachnoe
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	B
Borrower	Government of Kyrgyzstan
Sectors	Energy, Hydropower
Investment Type(s)	Grant, Loan
Investment Amount (USD)	$ 469.55 million
Loan Amount (USD)	$ 19.55 million
Grant Amount (USD)	$ 450.00 million

Project Description

As stated by the ADB, the project will finance the construction of a 15 MWac (approximately 18 MWp) FPV plant on the HPP5 reservoir, together with implementation and institutional capacity support. The investment is envisaged as an initial proof-of-implementation and is supported by a pipeline of approximately 176 megawatts of confirmed feasible FPV capacity across additional reservoirs, which could be developed in the future with private-sector participation.

The proposed 15 megawatt-alternating current (MWac) or approximately 18 megawatt-peak (MWp), FPV pilot at the Hydropower Plant 5 (HPP5) reservoir about 10 kilometers northeast of Bishkek builds on the successful 100 kilowatt pilot of the Asian Development Bank (ADB) at the same site and will serve as an initial sovereign-financed proof-of-implementation to establish a replicable technical and commercial template for scaling.

The project directly addresses three core development constraints:

(i) Energy diversification and security reducing over-reliance on hydropower and import exposure by adding new renewable generation near the Bishkek load center;
(ii) Climate resilience and the water-energy nexus improving operational flexibility of hydropower-linked supply and strengthening resilience to hydrological variability; and
(iii) Land-use efficiency and environmental sustainability delivering utility-scale solar without competing for scarce agricultural or urban land.

The project aligns with ADB Strategy 2030 operational priorities, notably climate action, building climate and disaster resilient and sustainable infrastructure, and enabling conditions for private sector participation through market demonstration and ecosystem building.

Early Warning System Project Analysis

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

Environment - B
Involuntary Resettlement - B
Indigenous Peoples - C

Investment Description

- Asian Development Bank (ADB)

Contact Information

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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

- Initial Environmental Examination