Early Warning System

EBRD-22840

Turkiye: Preliminary Project Preparation Study for Floating Solar PV Plants

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Quick Facts

Countries	Turkiye
Financial Institutions	European Bank for Reconstruction and Development (EBRD)
Status	Hold
Bank Risk Rating	U
Sectors	Energy, Technical Cooperation

Project Description

As of June 2, 2026, the project disclosure page has been removed from the EBRD's website.

PROJECT DESCRIPTION

The European Bank for Reconstruction and Development (the "EBRD" or the "Bank"), within its Green Economy Transition ("GET") approach, is committed to scale up financing of projects that advance the transition to environmentally sustainable, low-carbon economies in its Countries of Operation ("CoO"), including advanced and innovative renewable energy solutions.

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Besides mature ground-mounted applications, floating solar PV power plants are becoming increasingly popular as costs continue to fall and the interest of reducing land use starts to grow. Quite a few floating applications have become operational or are under construction around the world, ranging in size from a few MW to hundreds of MW each (the biggest currently in operation is the 1 GW Dongying Offshore Floating Solar Farm in China). The total cumulative capacity will likely exceed 10 GW by the end of 2025, driven heavily by large projects in the Asia-Pacific region (China, India, Indonesia). The project pipeline exceeds 60 GW, indicating significant planned growth.

Floating PV has the advantage of performing better in hot and humid ambient conditions in comparison with ground-mounted plants due to the combined effect of water and wind cooling on panels and cables. Additionally, floating PV has been found to contribute to water conservation due to the ability to reduce water evaporation and algae growth.

The present study specifically focuses on the viability of developing a cumulative floating PV capacity of up to 3,000 MW over the surface of [3] lakes (the "Projects").

The ability to rely on the related existing high-voltage grid infrastructure for the Projects would be an obvious technical and economic advantage. The lakes have a vast theoretical potential for floating PV - in this sense, the choice of the location and design capacity of the Projects is expected to be driven by technical, economic, environmental and considerations on other existing uses of the reservoirs, while still being large enough to be potentially meaningful in terms of electricity production and replicability of the concept.

As an important side benefit, the Projects might help increasing the water available downstream of the lakes for irrigation and civil uses, thanks to its possible contribution to reducing water evaporation losses. At the same time, the study will carefully consider the possible environmental and social risk and impacts associated with of the Projects including impacts to biodiversity and the local ecosystem, as well as lakes users including irrigation, fishing and recreational activities, energy production, etc., and how these can be addressed and mitigated in line with good international practice.The Consultant will be guided by the environmental and social issues considered in EBRD's Environmental and Social Policy and its associated Performance Requirements.

The main objective of the assignment is to study and identify the main technical characteristics of the Projects to ensure they meet best international practice, minimise technical, environmental and social risks.

The main tasks of the study are to support the EBRD and the relevant stakeholders in Turkiye in defining the main features of the Projects, including the overall size and potential locations in each lake, the anticipated investment costs and electricity production estimates, the identification of the main preliminary technical specifications as well as any regulatory or market issues that need to be addressed for the implementation of the Projects.

Investment Description

- European Bank for Reconstruction and Development (EBRD)

Contact Information

ACCESS TO INFORMATION

You can request information by emailing: accessinfo@ebrd.com or by using this electronic form: https://www.ebrd.com/eform/information-request

ACCOUNTABILITY MECHANISM OF EBRD

The Project Complaint Mechanism (PCM) is the independent complaint mechanism and fact-finding body for people who have been or are likely to be adversely affected by an European Bank for Reconstruction and Development (EBRD)-financed project. If you submit a complaint to the PCM, it may assess compliance with EBRD's own policies and procedures to prevent harm to the environment or communities or it may assist you in resolving the problem that led to the complaint through a dialogue with those implementing the project. Additionally, the PCM has the authority to recommend a project be suspended in the event that harm is imminent.

You can contact the PCM at: pcm@ebrd.com or you can submit a complaint online using an online form at: http://www.ebrd.com/eform/pcm/complaint_form?language=en

You can learn more about the PCM and how to file a complaint at: http://www.ebrd.com/work-with-us/project-finance/project-complaint-mechanism.html