Early Warning System

EBRD-55025

Pilot Uzbek Green Hydrogen Project - EBL

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Quick Facts

Countries	Uzbekistan
Specific Location	Chirchiq City, Tashkent region; Gijduvon district, Bukhara region
Financial Institutions	European Bank for Reconstruction and Development (EBRD)
Status	Completed
Bank Risk Rating	A
Voting Date	2024-06-25
Borrower	ACWA Power UKS Green H2 LLC JV
Sectors	Energy
Investment Type(s)	Loan
Investment Amount (USD)	$ 5.50 million
Loan Amount (USD)	$ 5.50 million
Project Cost (USD)	$ 5.50 million

Project Description

As stated by the EBRD, the Project entails the provision of an equity bridge loan of up to US$ 5.5 million to finance the construction of an integrated renewable hydrogen production facility consisting of a 20 MW electrolyser fed by greenfield 52 MW wind power plant to produce around 3,000 tonnes of renewable hydrogen annually. The electrolyser will be located in the Chirchiq City, Tashkent region, and the wind power plant will be in the Gijduvon district, Bukhara region. The wind facility will be collocated with the existing 500 MW EBRD-financed Uzbekistan Bash WPP. The loan will be guaranteed by Joint Stock Company UzKimyoSanoat.

EBRD FINANCE SUMMARY

USD 5,500,000.00

TOTAL PROJECT COST

USD 5,500,000.00

ADDITIONALITY

Financing Structure: the EBRD is additional in providing financing at terms and conditions not available in the local market.

ENVIRONMENTAL AND SOCIAL SUMMARY

Categorised A (2019 ESP) on the basis of the expansion of a category A wind power project (Bash WPP) already financed by the Bank. The Project further includes a pilot hydrogen electrolyser plant to be located at a separate location at an existing ammonia production plant and which will be powered by the wind power plant expansion (once operational) through a wheeling agreement thus producing renewable hydrogen. The electrolyser plant component is categorised B. An ESIA has been developed for the expansion (52 MW) of the Bash 500 WPP and the ESIA package was disclosed on 21 December 2023 for a 60-day consultation period prior to consideration of the Project by the EBRD Board. The ESIA was subject to review by an independent consultant and the Bank. The electrolyser has also been subject to an ESIA for permitting purposes but that also considers the Bank's E&S requirements. This ESIA has also been reviewed by a consultant and the Bank. When available the Non-Technical Summary for the electrolyser will be disclosed with this PSD. An ESAP is currently being developed to structure the Project in line with the EBRD's E&S requirements.

The Bash 500 MW WPP (52772) is located in the Bukhara region of Uzbekistan and is currently under construction. It was categorised A by the EBRD due to its size, sensitive location (biodiversity) and associated E&S risks. The Project proposes an expansion of the WPP by 52 MW which will involve installing 8x6.5MW turbines. The same A categorisation is maintained for the expansion. The ESIA developed for the expansion by independent consultants includes an ESIA report, SEP, NTS and framework for Environmental and Social Management which includes comprehensive biodiversity data and assessment of cumulative impacts. Other existing management documents (e.g. Resettlement Action Plan) have been updated. The expansion will utilise the overhead transmission line for the Bash WPP. The ESIA concludes that the expansion will have similar impacts to the current WPP and such impacts can be managed through the planned mitigation measures.

The pilot hydrogen electrolyser plant will be located within UKS's MAXAM Chirchiq ammonia production facility in Chirchiq. It is a category B project on the basis of its size and that E&S risks and impacts are expected to be readily addressed. An ESIA as well as a framework for Environmental and Social Management NTS and SEP have been developed by a consultant. The

Investment Description

- European Bank for Reconstruction and Development (EBRD)

Private Actors Description

As stated by the EBRD, "ACWA Power UKS Green H2 LLC JV" is a newly established special project vehicle incorporated in Uzbekistan for the development and implementation of the Project. The Borrower is owned by ACWA Power Company and Joint Stock Company UzKimyoSanoat (UKS).

ACWA Power is an international developer of power generation, desalinated water and renewable hydrogen production projects.

UKS is a chemical manufacturer based in the Republic of Uzbekistan. A subsidiary of UKS will be the off-taker of the renewable hydrogen produced by the Project.

Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
JSC UzKimyoSanoat	Parent Company	Industry and Trade	contracts with	ACWA Power Company	Parent Company	Energy

Contact Information

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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

Other Related Projects

- EBRD-52772 Uzbekistan Bash WPP
- EBRD-54561 Pilot Uzbek Green Hydrogen Project