

 Early Warning System

EBRD-19048

Green Hydrogen Common Infrastructure Development in Jordan



Quick Facts

Countries	Jordan
Specific Location	Aqaba Special Economic Zone
Financial Institutions	European Bank for Reconstruction and Development (EBRD)
Status	Approved
Bank Risk Rating	U
Borrower	Government of Jordan
Sectors	Energy, Infrastructure, Law and Government
Investment Type(s)	Advisory Services



Project Description

As stated on the project disclosure page, the EBRD intends to engage a consultant to support Jordan in the development of a Green Hydrogen ("GH2") production hub in the Aqaba Special Economic Zone ("ASEZ").

Within this initiative, the Ministry of Energy and Mineral Resources ("MEMR") has signed (13) Memoranda of Understanding ("MOU") for the development of GH2 projects in Jordan, with all but one focussing on ammonia production. The exception is a methanol project. As per the signed MOUs, the total production capacity of the potential projects is around 5 million tonnes per annum of green Ammonia requiring around 21 GW of renewable energy sources and around 16 million cubic meters per annum of desalinated water. Each project developer will be responsible for developing the:

- GH2/Ammonia production facilities,
- renewable energy sources and defining the related required sites,
- electricity transmission and distribution networks to supply electricity to the GH2/Ammonia production facilities from the proposed renewable energy sources, and
- required infrastructure for desalinated water needs.

MEMR has identified the potential geographical areas for the construction of renewable electricity plants meant to feed the renewable hydrogen installations.

The Aqaba Special Economic Zone Authority ("ASEZA") has identified the areas for the electrolysers and derivatives production facilities and the desalination plants.

As a nascent sector, green hydrogen will require strategic support to reach price predictability and cost-competitiveness with incumbent fuels and feedstocks. While private sector investment is expected to drive green hydrogen production in Jordan, Government support is needed to accelerate the development of the sector and resolve remaining barriers, particularly around regulation, land and water availability, and infrastructure. In this respect, MEMR intends to develop common-use infrastructure for GH2 projects that will serve as a backbone for the projects slated for implementation in Jordan.



Investment Description

- European Bank for Reconstruction and Development (EBRD)

Investment information not provided at the time of disclosure. The project consists of advisory services to the Government of Jordan.



Contact Information

No project contacts provided at the time of disclosure.

EBRD project enquiries not related to procurement:

Phone: +44 20 7338 7168

Email: projectenquiries@ebrd.com

Executing Agencies -

Ministry of Energy and Mineral Resources:

+96265861059

Phone: +96265805700 **Fax: Address:** 8th Circle Bayader Wadi Al Seer

Website: <https://memr.gov.jo/Default/En>

Aqaba Special Economic Zone Authority:

Address: Po.Box Aqaba 2565, Jordan, Prince Hussein Bin Abdullah II Street and Queen Rania Street

Phone: +96232091000

Fax: +96232091056

Email: aldiwan@aseza.jo

Website: <https://aseza.jo/Default/En>

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

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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>