



Shared Prosperity Dignified Life

COP27  
SHARM EL-SHEIKH  
EGYPT 2022

UN Climate Change High-Level Champions

## Towards COP27: Arab Regional Forum on Climate Initiatives to Finance Climate Action and the SDGs Project Fact Sheet

### Wadi Hiliti Flood Protection Dam

#### SULTUNATE OF OMAN

<b>Climate finance purpose</b>
Adaptation
<b>Sector</b>
Water
<b>Geographic coverage</b>
National/ South Al Batinah Governorate, Sohar
<b>Implementation period</b>
From 01/01/2023 to 31/12/2025
<b>Description</b>
Rampaging floodwaters unleashed by adverse weather in 2012 swept through urban parts of Sohar wilayat, destroying roads and other infrastructure, inundating farms, and leaving a number of people dead. Significant damage also occurred during a similar flood event in 2014. The Wadi Hiliti Dam will cater to floods greater than the 300-year return period flood (RPF), which is the estimate of the interval of time between floods. Strategically located just upstream of the Sohar urban area, it will serve as an inceptor in the event of heavy flooding along Wadi Hiliti. Furthermore, the dam will help establish a large reservoir with a storage capacity of around 16 million cubic metres at Full Supply Level. Listed in the infrastructure projects as WH4
<b>Beneficiaries</b>
Protect life and property from future disaster damages; the dam is intended to protect the area from floods and avoid loss of lives and infrastructure destruction
<b>Climate rationale</b>
Flood risk is projected to increase in the future due to climate change and population growth
<b>Expected outcomes</b>
<ul style="list-style-type: none"> <li>• Protection from frequent large floods</li> <li>• Increase of groundwater inputs below the dam</li> <li>• Increase land use, crop density, and crop yields</li> </ul>
Outcomes contribute to SDG 2, 6, 11, 13.
<b>GHG reduction target</b>
The project mainly aims to adapt to climate change and reduce the effects of floods in urban areas. Flood control dams impound floodwaters and then either release them under control to recharge underground aquifer or divert the water for agriculture and domestic uses.
<b>Total Budget</b>
Amount in National Currency: OMR 17,000,000 Amount in US\$ equivalent (per 1 August 2022 exchange rate): USD 44,214,758
<b>Financing requirement</b>
Amount in National Currency: OMR 17,000,000 Amount in US\$ equivalent (per 1 August 2022 exchange rate): USD 44,214,758
<b>Project proponents</b>
Ministry of Agriculture, Fisheries and Water Resources

### Contact persons

Primary contact person: Mr. Khalid Al Mashaikhi, Assistant Director General for Dams, Ministry of Agriculture, Fisheries and Water Resources, Email: ksaal1993@yahoo.com

Secondary contact person: Mr. Yousf Masoud Al Mantheri, Director Dams Department, Ministry of Agriculture, Fisheries and Water Resources, Email: almanthari2yousuf@gmail.com

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