

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

Al Rawdha Flood Protection Dam

SULTANATE OF OMAN

Climate finance purpose
Adaptation
Sector
Water
Geographic coverage
National/ North Al Sharqiya Governorate, AlMudaaybi
Description
Rampaging floodwaters unleashed by adverse weather in 2012 swept through urban parts of AlMudaaybi wilayat, destroying roads and other infrastructure, inundating farms, and causing a number of deaths. Significant damage also occurred during a similar flood event in 2018. Al Rawdha Flood Protection Dam will cater to floods greater than the 200-year return period flood (RPF), which is the estimated interval time between floods. Strategically located just upstream of the AlMudaaybi urban area, it will serve as an inceptor in the event of heavy flooding along Wadi Al Rawdha. The dam will also help establish a large reservoir with a storage capacity of around 1.5 million cubic metres at Full Supply Level. The project is related to the National Strategy for Adaptation and Mitigation to Climate Change and listed in the infrastructure projects.
Beneficiaries
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
Climate rationale
Flood risk is projected to increase in the future due to climate change and population growth
Expected outcomes
<ul style="list-style-type: none"> • Protection from frequent large floods • Significant increase in groundwater inputs below the dam • Increase in land use, crop density, and crop yields
GHG reduction target
The project mainly aims to adapt to climate change and reduce the effects of floods in urban area. Flood control dams will impound floodwaters and then either release them under control to recharge underground aquifer or divert the water for agriculture and domestic uses.
Project implementation period
Planned start date: 01/01/2023 Planned end date: 31/12/2024
Total Project Cost
Amount in National Currency: OMR 18,000,000 Amount in US\$ equivalent (per 1 August 2022 exchange rate): USD 46,815,627
Financing requirement
Amount in National Currency: OMR 18,000,000 Amount in US\$ equivalent (per 1 August 2022 exchange rate): USD 46,815,627
Expected Tenor / Duration of financing: from 3 to 7 years
Project Status (select one): Tendered
Contractual Structure (select one or more): Government Ownership
Project proponents
Ministry of Agriculture, Fisheries and Water Resources and Environment Authority

Contact persons

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