

WATER SECTOR EL BARED DAM

GOVERNMENT ENTITY
Ministry of Energy and Water / North Lebanon Water Establishment
PROJECT DESCRIPTION
<p>The project comprises two components:</p> <ul style="list-style-type: none"> - A central core rock fill dam for water supply of 37 MCM (static) / 90 MCM (dynamic) annual storage capacity, of a height of 88m, length of 635m, and crest level of 180m and a fill volume of 4.80 MCM. Submerging an area of 113 Ha, it has very low leakage risk with no housing, archeological or infrastructure impact. The supply from the dam would rely on both pumping and gravity; and - The associated water treatment plant, transmission lines and reservoirs.
OBJECTIVES AND EXPECTED IMPACT
<ul style="list-style-type: none"> - Provide water supply for 590 thousand habitants in Tripoli, El Miniye and Akkar zones in North Lebanon, where the deficit rate of water supply provision is estimated at 47%. - Improve hygienic conditions and social wellbeing. - Conserve and recharge groundwater ensuring sustainability of water resources. - Generate employment of 3 million labor-days.
EXPECTED ROLE OF THE GOVERNMENT
<ul style="list-style-type: none"> - Secure a financing source and enter into financing agreement with the Lender for CapEx. - Off-taker.
EXPECTED ROLE OF THE PRIVATE PARTNER
<ul style="list-style-type: none"> - Design, build, maintain and operate the dam and associated water treatment plant and transmission network. - Sell treated water to the North Lebanon Water Establishment.
PROJECT LOCATION
<ul style="list-style-type: none"> - The project's water basin covers an area of 271km² with an average discharge of 150 MCM. The geology of the site is impervious. - The land has been expropriated.
PROJECT TIMELINE
<ul style="list-style-type: none"> - Tender documents available to EPC construction. - EIA is required. - Expected construction period of 5 years.
EXPECTED COST (USD)
CapEx and expropriation: USD 300MM
CONTACT
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