

Activity Brief Water- Lebanon

Activity Name	Implementation of water pilot projects
Lead Partner	Horizons for Green Development
Supporting Partner(s) if applicable	NERC, IUCN
Geographical Scope of Activity	Within Municipality Boundaries: Jdeideh
Budget Line Item	Pilot actions
Budget Amount	\$55,000
Start Date	March 26th, 2019
End Date	June 26th, 2019

SECTION A: ACTIVITY DESCRIPTION

1.1 Activity Summary

Selection of the pilot project based on certain criterion has been completed. The pilot project that will be implemented in the Jdeideh municipality:

- Farmer's projects in the lower part of Barouk river and channel rehabilitation in the upper part of the river.

The objective of this year's activity is to execute the pilot projects in the targeted municipality.

Project details:

Maintenance and cleaning will be undertaken to restore a 6 km water canal from dirt and debris through a cash for work intervention that will require 100 workers over 5 days. Once complete, this canal will provide no less than 60 farmers with their essential daily needs of water for farming. The project will renovate two dams in the stream, one of which will help transfer water into the canal, while the other will collect water that will be pumped into the canal.

The intervention will work closely with another water/energy intervention that seeks to install a solar powered water pump at the Barouk River next to the canal. The pump will provide access to water to 25 different farms using a 3-kilowatt PV system, by pumping around 12 cubic meters per hour of water from a stream multiple times per week to 25 different tanks, totaling 150 cubic meters in volume, farms in the area will have constant access to water that is vital for farming.

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1.2 Approach to Ensure Community Participation

- The project will be conducting meetings with the community to further discuss the technologies selected, their designs, and impacts in terms of water savings and access to water.
- Meetings with local stakeholders (farmers) will be conducted to understand their scope of interest in the project, inform them of the project's goals and encourage their participation.
- Other trainings will be carried out for community representatives to understand the technicalities of the systems installed (if needed), and train them on the operation and maintenance of these systems.
- The project will make sure that it will hire locals throughout the execution of the project.

1.3 Gender Mainstreaming Approach & Plan

- Encourage women to participate in stakeholder meetings and awareness sessions or arrange separate meetings for women from the perspective of cultural appropriateness, if this is required. Use communication channels that will reach women so they are informed about participating in the meeting. Propose a schedule for the meeting that is gender sensitive and according to the preferences of women. Consider options for childcare if it is a barrier for women who wish to attend the meeting.
- Cooperate with the Jdeideh Women's Organization to increase and encourage the participation of local women in the project and understand their issues to determine how the project will help/affect them.
- Scout venues for meetings that are accessible to people living with disabilities and consider providing services such as sign language if necessary.

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1.4 Activity Objectives & Expected Results

Activities	Objective	Input	Outputs/Measurable Results	Purpose/Impact
Implementation of the pilot project in the Jdeideh municipality	Develop a pilot project that creates the basis for further development of the Nexus approach in the targeted municipality.	Comprehensive development plan for the pilot project.	Completed functional pilot project in the targeted municipality	Increase knowledge and the know-how for adopting the nexus approach on several levels. Provide measurable lasting benefit to the people of the municipality.

1.5 Implementation Plan & Time-frame including gender mainstreaming & community participation

Task	Responsibility	Indicator	Tools & Means of Verification	2018						2019				2020			
				7	8	9	10	11	12	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.Create development plan including site plans, technical requirements, schedules, reporting methodology	Horizons	Detailed Development plan	Meetings, draft reports, progress reports														
2.Develop a request for proposal for the project in Jdeideh	Horizons and NERC	Completed tender documents	Meetings, draft reports, progress reports														
3. Arrange meeting events	Horizons	Report for clarification	MoM														

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a. Communication Plan

Throughout the implementation of the project, communication strategy will be as follows:

- The focal point at the municipality will be the channel of communication between the project team and contractors executing pilot projects.
- Monthly skype meetings between focal point, MINARET team, and contractors will be held for progress update.
- Documentation during the project's implementation will be carried out to ensure transparency in implementation and show any remedial actions needed to be taken.
- A 3D animation and infographic will be created to demonstrate the entire scope of the MINARET intervention in Jdeideh that will be essential to spread information on the project in media outlets.

SECTION B: ACTIVITY BUDGET FOR 3 MUNICIPALITIES

(LEBANON, JORDAN, TUNISIA)

Activity	Estimated budget	Notes
Task 1	2000 JODs	Consultancy (Autocad drawings, GIS, mapping, site plans)
Task 3	500 JODs	Venues, coffee break
Task 6	1200 JODs	2 meetings/ municipality *3 municipalities (6 meetings in total* 200JODs)
Task 7	Lebanon: \$55,000	Implementation
	Tunisia: \$60,000	
	Jordan: \$100,000	
Task 8	600 JODs	1 meeting/municipality* 3 municipalities (3 meetings in total * 200JODs)

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BILL OF QUANTITIES

Nr	Item	Quantity	specs	Extra Requirement	Estimated cost \$US	Total	Notes
01	Pipes	250m	3 inch /6 bar	Made in Lebanon	3.55\$ /m	875	Without Installation – 3 offers
02	Plastic Tanks	25	6 m³	Made in Lebanon	535\$	13500	
03	Pipes	750m	2inch	Made in Lebanon	1.65\$\m	1250	
04	Pipes	1250m	1.5 inch	Made in Italy	1.10\$\m	1375	
05	Valve	25	2 inch	Made in Italy	32\$\unit	800	
06	Valve	25	1.5 inch	Made in Lebanon	26\$\unit	650	
07	T	50	3 inch	Made in Lebanon	34.5\$\unit	1700	
08	Pump	1	12.5 m³ /h	Made in Italy	5000	Part of Tender	
09	Solar panel	1	2.5 kw	Made in China			
10	Metal scaffold	1	50 m²	Made in Lebanon			
11	Electrical cable	250 m	Made in Lebanon				
12	Other items (Doors)	25	Made in Lebanon	90\$\unit	2250	Separate invoice single offer	
13	Installation materials	Concrete, partitions,					
Laborers Jazerah	5 workers	10 days	22\$\unit	1100	Cleaning the Canal, installation tanks and pipes		
Laborers Wadi 6 km	100	5	22\$\unit	11000	For 60 farmers		
Materials	100 m	Pipe 8 inch	36 /6 m	540			
Materials	Cement 10M3	10 m³	180	1800			
Materials	25 Doors	40 x 40 cm	90\$\unit	2250			
55,000							