Palestinian Project Priorities 20014:

AUJA AND YATTA

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Rehabilitation of Al Auja’s Spring and its Agricultural Canal

Partnering communities

Auja Village, Palestine:
Auja is located 10km northeast of Jericho, in the Jordan Valley and is home to over 4,500 residents.

Deir Alla, Jordan:
Situated on a main junction in the heart of the Jordan Valley, with a community approximating 60,000 residents.
The Auja spring, once a main source of irrigation for a thriving agricultural community, is part of the outflow of the Eastern Basin of the Mountain Aquifer. A concrete, open agricultural canal, now in poor condition, was built in the 1960's to deliver water from the spring to the agricultural lands.

Rehabilitation of the agricultural irrigation canal through regular maintenance, that would minimize the loss of irrigation water, and the development of the area surrounding the Auja spring by installing recreational facilities.
Problem Statement

Long periods of drought, as well as Israeli and Palestinian extraction of water through wells in its recharge basin, have been massively reducing the flow of the Auja spring. The agricultural canal through which the spring's water is used for irrigation has been disintegrating, and the water is polluted by solid waste and algae.

Rehabilitation of the agricultural irrigation canal through regular maintenance, that would minimize the loss of irrigation water, and the development of the area surrounding the Auja spring by installing recreational facilities.
Objectives

- Minimize the loss off irrigation water and improve agricultural livelihood
- Encourage eco-tourism in Auja and supplement household income
- Draw attention to the potential of the area
- Promote eco-tourism in the area to reduce pressure on water resources and strengthen community efforts to rehabilitate the Jordan River
Project Characteristics

- Advocate the for mentioned objectives and receive the necessary approvals from the Israeli Civil Administration and the Israeli National Parks Authority

- Raise the awareness of decision makers to the importance of the Auja Spring

- Install the necessary recreational facilities in the area of the Auja Spring
Rehabilitation of the Fresh Water Supply Network in Yatta

Partnering communities

Yatta (Hebron Governorate), Palestine located in the southern West Bank, 12 km south of Hebron

Eshkol Regional Council Stretches between the city of Be'ersheba and the Gaza strip
Yatta is one of the Palestinian communities located over the Mountain Aquifer. The Hebron Stream flows through Yatta and then continues downwards, across the Green Line, to merge with the Be'ersheba Stream in Israel that merges with the Besor Stream before flowing into Wadi Gaza and the Mediterranean Sea.
Problem Statement

According to the number of population which reaches more than 100,000, the shortage of water need is about 4250 m³. In addition, population growth has been increasing the demand for water.

Yatta's fresh water network is dilapidated and cannot meet this increasing demand. Furthermore, the poor condition of the infrastructure has been leading to loss of water due to leakage, and poor sanitation – mainly the use of cesspits - to water pollution:

- Contaminated agricultural lands
- Groundwater pollution
- Mosquitoes and other pests
- Odors
Objectives

Rehabilitation and improvement of the Fresh water supply networks along with the GWN project, to seek solutions for the pollution of the Hebron Stream due to domestic and industrial waste water will increase its ability to meet the population's water demand.

*Increase water availability in the Municipality by reducing leakage from the water system.*

Project Characteristics

Replace 5 km of pipelines to pipes with a diameter of 4 inch rather than the current 2 inch pipes.
Thanks for your Attention

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