Proposed Project for Small-Scale Waste Water Treatment

Project Title	**Waste Water Management**
Project Duration	30 months
Estimated Budget	The total estimated budget will be about ***US $1,100,000***, taking into consideration that one small waste water treatment unit per house costs about US $4,000 including project management and training cost. The beneficiaries' contribution will be 20% of the construction cost with US $800/households. Thus the total beneficiaries' contribution will reach to US $150,000.
Stakeholders	The project stakeholders will be the Palestinian Water Authority (PWA), local authorities, civil societies, and the NGOs.
Targeted Areas	The project will target the following localities: *Taffuh, Halhul, Beit Ummar, Beit Kahil, Yatta, As Samu` and Ar Rihiya.*
Beneficiaries	This project will target **250 families** (1,750 individuals)
Project Description	The targeted areas use cesspits and open channels to dispose of their waste water. This untreated waste water is dumped in open areas leading to health problems such as the spread of diseases, and environmental problems such as water resources (springs & cisterns) pollution. These targeted areas will be provided with small waste water treatment units, since unorganized housing distribution in these areas makes it hard to install medium or large sized units.
Project Objectives	- To protect water springs and cisterns from waste water pollution coming from cesspits. - To protect agricultural lands from waste water pollution. - To protect the environment and to reduce health threats. - To use the treated water as an alternative source for irrigation. - To reduce the costs of cesspits' waste water disposal. - To increase environmental awareness in waste water management.
	- Holding introductory meetings to announce the launch of the project

Project Activities	and to present the local communities with a description of the project. - Holding awareness campaigns to increase the environmental awareness concerning the importance and management of waste water treatment. - Preparing a preliminary study to determine and select the beneficiaries and the suitable locations for the construction of small wastewater treatment units. - Calling for bids. - Constructing the waste water treatment units with drip irrigation networks. - Paying follow up visits to the beneficiaries. - Monitoring and evaluating the process. - Preparing the final reports and disseminating the results.
Expected Results	- 1,750 individuals (250 housing units) will have a good waste water treatment system. - Cost of waste water disposal reduced. - Environment protected. - Health threats decreased. - Treated waste water available for agricultural uses. - Agricultural irrigated areas increased by 125 dunums