

Project Planning Matrix (PPM)	Project Title	Duration of project	Date:
	Al-Bireh sewage recycling project	3 years	05.11.92
	Project Number 87.3564.9-01.100	Country	Page: 2
		Israeli occupied territories	
Summary of objectives/activities	Objectively verifiable indicators (OVI's)	Means/sources of verification	Important assumptions
Activity	Inputs/costs specification		
01.01 Collect data on wastewater quantities & composition	I. Palestinian contribution		
01.02 Construct and operate experimental plant	* Land for treatment plant		
01.03 Implement temporary measures for sewage disposal in Wadi Al-Ein	* Infrastructure to reach location of the treatment plant		
01.04 Establish design criteria and select process (type of plant)	* Engineering and consulting expenses		
* It was agreed on the following general criteria:	* Vehicles (2-3)		
- Meet regulations	* Equipment (!)		
- Water should be usable for irrigation	* Lab facilities		
- Water should be transportable any where	* Personnel		
01.05 Design the treatment plant	- project manager		
01.06 Get design approval from all concerned parties	- for supervision and construction (3 - 4)		
01.07 Construct the treatment plant	- for operating unit (5 - 6)		
02.01 Define training goals	- extension staff (4)		
02.02 Find instructors and places of training	- Local expertise		
02.03 Employ capable personnel	II. ANERA		
02.04 Carry out training	* Experimental and demonstration farm ; Up to \$ 600.000 but only for		
02.05 Specify parameters to be monitored	* Hydraulic infrastructure for irrigation/ irrigation		
02.06 Establish lab facilities	III. German contribution		
02.07 Define concept for future cost recovery	* Personnel		
03.01 Elaborate Terms of Reference	- 1 long-term advisor up to 24 MM		
03.02 Conduct feasibility study (for sewage reuse and disposal)	- Short-term advisors up to 13 MM		
03.03 Find financial and personnel resources for implementation	. Pilot scheme 3 MM		
03.04 Define a concept for O+M cost recovery	. Design 1 MM		
04.01 Find experimental and demonstration farms for irrigation trials	. Construction (E,M) 2 MM		
	. Laboratory 1 MM		
	. Feasibility study <6 MM		
	* Funds for training (to be specified)		
	* Construction costs treatment plant (civil works); Up to 5 Mio DM		
	* Equipment for the treatment plant (electro-mech. ; to be verified incl. spare parts)		
	* Laboratory equipment		
	* Maintenance equipment + operation		
	* Vehicle(s)		
	* Construction equipment pilot scheme		