



Project Fact Sheet



Construction of Khan Younis Wastewater Treatment Plant

THEMATIC AREA

Environment

SECTOR / SUB SECTOR

PROJECT AIM (OVERALL OBJECTIVE)

The project aims at improving the environmental, public health conditions and quality of life of Khan Younis residents' through the construction of Waste water Treatment Plant (WWTP) and sewage pressure line in Khanyounis Governorate.

PROJECT DESCRIPTION

1. Khan Younis Governorate is located in the southern part of the Gaza Strip of the occupied Palestinian territories (oPt) by the Mediterranean Sea and is currently inhabited by a population of around 295,795 inhabitants.
2. In Khan Younis City, wastewater is primarily generated from households and disposed of through more than 20,000 cesspits, and is still being evacuated and collected by tanker vacuum trucks
3. At present, nearly 40% of the population of Khan Younis City is temporarily served by public sewerage collection system. But due to the absence of wastewater treatment plant, the collected wastewater is pumped to the existing main storm water box culvert, which in turn flows by gravity to a storm water infiltration pond located in the north-western side of Khan Younis City.
4. The proposed KY WWTP, Phase 1 is envisaged to be operational in 2012. Design of Phase 1 will be based on the flow of 16,100 m3/d

The project comprises the following components:

- a) Construction of the main pressure line from terminal pump station to the proposed location of Waste Water Treatment Plant (WWTP).
- b) Conducting detailed design for the construction of an extendable WWTP
- c) Construction and commissioning of KY WWTP Phase 1.

OBJECTIVES

- Constructing Wastewater Treatment Plant to serve 150,000 residents in Khan Younis area
- Creating the maximum number of job opportunities for unemployment of the Palestinian workers in the area of Khan Younis during the construction phase

PROJECT DETAILS

| | |
|----------------|---|
| Project Number | PAL10-00047395 |
| Award Number | 41529 |
| Duration | 1 Year – Design phase |
| | 2 Years – Construction phase |
| Donor | Government of Japan |
| Partner | Municipality of Khan Younis |
| | Palestinian Water Authority, Coastal Municipal Water Utility (CMWU) |

BUDGET

| | |
|-------------------------|-----------------------|
| Total Budget | US\$14,830,000 |
| Disbursement up to date | US\$569,487.5 (3.84%) |

Geographic Location

Gaza Strip / Khan Younis

OUTPUTS

- Main pressure line supplied and installed
- Detailed design for the construction of WWTP conducted
- WWTP constructed



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- Protecting ground water resources and improving environmental conditions in Khan Younis area

- treated wastewater effluent utilized for agriculture irrigations

IMPACT STATEMENT

Environmental, public health conditions and quality of life for the residents' of Khan Younis Governorate improved

PROGRESS UP TO DATE

- Design and tender document for installation of main pressure line reviewed and approved by UNDP/PAPP and project stakeholder
- Installation of 996.3 LM of steel pressure pipes of diameter 24 inches completed.
- Installation of 1070.4 LM of concrete pipes of diameter 1000 mm completed.
- Installation of 15 concrete manholes of dimension 1.5 m X 1.5 m and 2 m X 2 m completed.
- Procurement process to select International Consultant in joint venture with local consultant to undertake the detailed design assignment for the Construction of WWTP Phase 1 is in process. expected assignment date 1 September 2008 .

CONSTRAINTS (if any)

- Lack of co-finance for undertaking project management supervision Assignment
- Lack of co-finance for covering the deficit in the cost of construction WWTP phase I
- Closure and ongoing political instability hinder importing of material needed for construction phase

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Project Document

Evaluation Report

PROJECT CONTACT INFORMATION

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