

# ENVIROMENT



## Gaza Central Waste Water Treatment (Emergency Works Programme )

Contract 2:Civil works

CLINET  
CMWU-KFW

DONOR  
KFW

BENEFICIARY  
CMWU  
MUNICIPALITY OF GAZA

ENGINEER  
DORSCH INTERNATIONAL CONSULTANT

STARTING DATE  
SEP,2010

COMPLETION DATE  
SEP,2012

PROJECT VALUE  
6,062,893 EURO

### CONTACT DETAILS

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**COMPLETED**

### DESCRIPTION

Central Gaza Wastewater Treatment Plant, known as Sheikh Ejleen WWTP, is to be upgraded for a capacity of 90,000 m3/day. The works are implemented at the site of the existing Waste Water Treatment Plant. New process units will be added in parallel with the existing units so that the existing treatment plant can continue to be operated while the new works are under construction. On completion, the flows will be diverted to the new works and the existing process units will be partly taken out of operation. By the same mechanism, a new pump station will be constructed at the same site, on account of the overloaded flow the existing pump station in Gaza city encounters. On completion, the flows will be diverted to the new pump station and the existing pump station will be partly taken out of operation.

Due to the embargo Israel is imposing on Gaza Strip, this upgrading project was divided into two contracts: contract one is for material supplying, and contract two is devoted for the construction stage of new process units. Owing to the high qualifications and experiences it has, MACC as it always merits, has been awarded both contracts.

The works of Contract 2: Construction works, shall include civil and building construction, testing and commissioning of the facilities, including installation, erection and site testing of equipment, & materials supplied under Contract 1.



## Gaza Central Waste Water Treatment (Emergency Works Programme ) Contract 2:CIVIL WORKS

### Some of the components to be constructed are

- 1-New inlet chamber, screens, grit removal channels, and distribution chamber
- 2-Completion of Anaerobic Pond No. 3
- 3-New Trickling Filter Pumping Station
- 4-Four New Trickling Filters
- 5-Completion of Settling Channel No. 2
- 6-Two New Sludge Holding Ponds
- 7-New Sludge Drying Beds at the Existing Waste Water Treatment Plant
- 8-New Sludge Drying Beds at Buriej Waste Water Treatment Plant Site
- 9-New piping works between the existing and new treatment units including Valve Chambers
- 10-By-Pass at the Effluent Pumping Station to allow a direct discharge to the sea
- 11-Upgrading the Existing Power Supply
- 12-Pump Station wet/dry substructure, including screen chamber
- 13-Surge protection
- 14-Pump Station superstructure and switchgear room
- 15-Standby Generator Building and Fuel Tank
- 16-Inlet manhole
- 17-Diversion Sewer
- 18-Connection to existing pressure pipeline
- 19-Service Building

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