Rehabilitation of Pumping Stations No.08, 03 and 02 in Khan Younis for KY WWTP

Tender Documents

Drawings

Executing Entity: UNDP/PAPP

Employer: UNDP/PAPP

January 2020
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Rehabilitation of Pumping Station No.08, 03 and 02 in Khan Younis

Tender Drawings

January 2020
Sewage Pumping Station (PS8)

SITE LAYOUT
NEW SITE LAYOUT
PS8

REHABILITATION OF P.S NO. 08, 03 AND 02 IN KHAN YOUNIS
CONSTRUCTION OF KHAN YOUNIS WASTE WATER TREATMENT PLANT IN GAZA STRIP
EXECUTING ENTITY: UNDP/PAPP

DRAWING NAME:...
SCALE:...
DATE: DEC-2009
Sewage Pumping Station (PS8)

INLET MANHOLE
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP
Sewage Pumping Station (PS8)

BAR SCREEN
SECTION H - H FOR BAR SCREEN
SECTION I - I FOR BAR SCREEN
SECTION J - J FOR BAR SCREEN
GENERAL LAYOUT PLAN FOR BAR SCREEN

[Diagram of a general layout plan for bar screen]
Sewage Pumping Station (PS8)

WET PIT
WIT PIT PLAN

Rehabilitation of PS Nos. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

DEC-2019

FOR TENDER ONLY
SECTION A - A FOR WET PIT PLAN
MECHANICAL WORKS FOR WET PIT PLAN

Rehabilitation of P.S No.08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

MECHANICAL WORKS FOR WET PIT PLAN
SECTION C - C FOR MECHANICAL WET PIT

FLOATS LEVEL
SECTION D - D FOR MECHANICAL WET PIT
Sewage Pumping Station (PS8)

Electrical Drawings
SWITCH PANEL SINGLE LINE DIAGRAM
SWITCH PANEL SCHEMATIC

1. Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
2. Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Employer: UNDP/PAPP
Executing Entity: UNDP/PAPP

DRAWING NAME: Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

SCALE: 600
DATE: Dec 2009

REPORT NO.:
DRAWING NO.:

SWITCH PANEL SCHEMATIC

- Before starting any work, the Contractor and the Engineer shall ensure that
  the drawings and specifications are complete and accurate. Any discrepancies
  or errors must be corrected prior to starting work.
- In case of any discrepancy in the drawings, the Contractor must
  seek approval from the Engineer before proceeding.
- All dimensions are in mm, except where otherwise shown.

FOR TENDER ONLY

Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP

Employee: [Name]
Position: [Position]

[Signature]
[Date]
PUMPS SWITCH PANEL SCHEMATIC

Rehabilitation of P.S No.08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

DRAWING NAME:
SCALE:
DATE:
REPORT NO.:
DRAWING NO.:

Dec 2019

- Before starting any work, the contractor and his Subcontractor is advised to review the detailed drawings.
- The contractor is required to notify the Engineer in Writing of any intended changes or modifications.
- In the event of any discrepancy in drawings, the contractor must communicate it in writing.
- All dimensions are in M, except where otherwise shown.
SWITCH PANEL SCHEMATIC

Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis

Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

POWER FACTOR CORRECTION

- Before starting any work, the contractor has to submit performance drawings and calculations in all stages before the owner and contractors. Any changes in the drawings must be approved by the owner before starting any work.
- All dimensions are in mm, except where otherwise specified.
SEWAGE WET PIT FLOAT SWITCHES

FLOAT SWITCHES IN WET PIT

LEVEL INDICATION FOR CONTROL WITH PLC

ELECTRIC MOTOR CONNECTION AND CONTROL (2 PUMPS)
PLC POWER SUPPLY
PLC - STARTING P1 & P2

PIN - PLUG

PLC - STARTING P1 & P2

220V N

WORK HOURS
**Starting P2 & P4**

**PIN - PLUG**

**STARTING P2 & P4**
PLC - PUMP INTERNAL PROTECTION

START PUMP
LEVEL/L liquid pressure
TEMPERATURE PUMP
CAS3 FAILURE
NVR3
ALARM NVR3 NO FLOW

PIN-PLUG

DRAWING NAME:
SCALE :
DATE:
REPORT NO.:
DRAWING NO.:

REMEMBER:
- Before starting any work, the contractor is to verify all electrical connections. No installation or wiring will be considered complete until the contractor has been notified in writing by the engineer that the connections are correct and electrical work is complete.
- The contractor is to supply all electrical materials on site.
- All dimensions are in mm, except where otherwise shown.

Executing Agency: UNDP/PAPP
Planning Stage: UNDP/PAPP

Construction of Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Agency: UNDP/PAPP
Planning Stage: UNDP/PAPP

Construction of Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Agency: UNDP/PAPP
Planning Stage: UNDP/PAPP

Construction of Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Agency: UNDP/PAPP
Planning Stage: UNDP/PAPP
BAR SCREEN

Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

DRAWING NAME:
SCALE:
DATE:
REPORT NO.:
DRAWING NO.:
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

SCALE: 1:50
DATE: Dec 2019

CONSTRUCTION SHEETS & PRINTS

All dimensions are in mm, except where otherwise shown.
NEW SITE LAYOUT
PS8

Rehabilitation of P.S No.08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP
Rehabilitation of P.S No.08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

DRAWING NAME:

SCALE:

DATE:

REPORT NO.:

DRAWING NO.:

Dec 2019

GENERAL SITE LAYOUT

- BEFORE STARTING ANY WORK, THE CONSTRUCTION AND/or MAINTENANCE SHOP MUST CONSIDER THE SHOPWORKING DRAWINGS. THE ShopWORKING DRAWINGS MUST BE APPROVED BY THE ENGINEERING DEPARTMENT OF THE CONTRACTOR PRIOR TO WORKING WITH ANY WORK
- PRIOR TO ANY REQUEST FOR THE CONTRACTOR TO COMPLETE WORK OR TO BEGIN ANY NEW WORK, ALL SHOPWORKING DRAWINGS MUST BE APPROVED BY THE CONTRACTOR PRIOR TO WORKING WITH ANY WORK
- ALL DIMENSIONS ARE IN M, EXCEPT WHERE OTHERWISE SHOWN
Sewage Pumping Station (PS8)

FUEL TANK
FUEL TANK BASE DETAILS

FUEL TANK DIAGRAM

AN EXISTING FUEL TANK TO BE REPLACED BY A NEW ONE COMPLIANT WITH ALL SPECIFICATIONS AND STANDARDS ACCORDING TO DRAWINGS.
PS3 Hoist Civil Construction
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

DRAWING NAME:
SCALE:
DATE: Dec 2019
REPORT NO.:
DRAWING NO.:
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis

Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip

Executing Entity: UNDP/PAPP

Employer: UNDP/PAPP

DRAWING NAME:

SCALE:

DATE:

REPORT NO.:

DRAWING NO.:

Dec 2019

Side view (2)
Rehabilitation of P.S No.08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

Top View of concrete monorail
Side View (1)

- Exs. Wet Pit
- Electric Chain Hoist (5 Ton)
- Steel I-beam 220mm

Dimensions:
- Width: 8.0 m
- Length: 5.50 m
- Height: 2.50 m

Exs. Interlocking Tile

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Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

Report No.: [Redacted]
Drawing No.: [Redacted]
Rehabilitation of P.S No. 08, 03 and 02 in Khan Younis
Construction of Khan Younis Waste Water Treatment Plant in Gaza Strip
Executing Entity: UNDP/PAPP
Employer: UNDP/PAPP

Foundation Details

Hesbit El Samak P.S Foundation
Columns Details

All Columns
Section 300x300

<table>
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<th>Pos.</th>
<th>Reinforcement</th>
</tr>
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</tr>
<tr>
<td>2</td>
<td>Ø 8 @20</td>
</tr>
</tbody>
</table>

- All Columns
- Section 300x300
Main Beam & Secondary Beam

Section 300x500

Main Beam Detail
PS3 New Pressure Pipeline
MECHANICAL WORKS FOR WIT PIT PLAN

Connection the 500 mm new line to Ps
New Pump El Wafia