

Water Well Digging & Construction Gaza Progress Report 3



Project Name	Digging & Construction Water Well in Nuseirat
Project Location	Nuesirat
Name of Contractor	Waqnar Company for Contracting
Site Handover Date	15 th August 2016
Reporting period	October 2016

Capacity	Will pump out 60,000 litre / hour of water
No. of people benefiting	10,000



Section One: Project Description

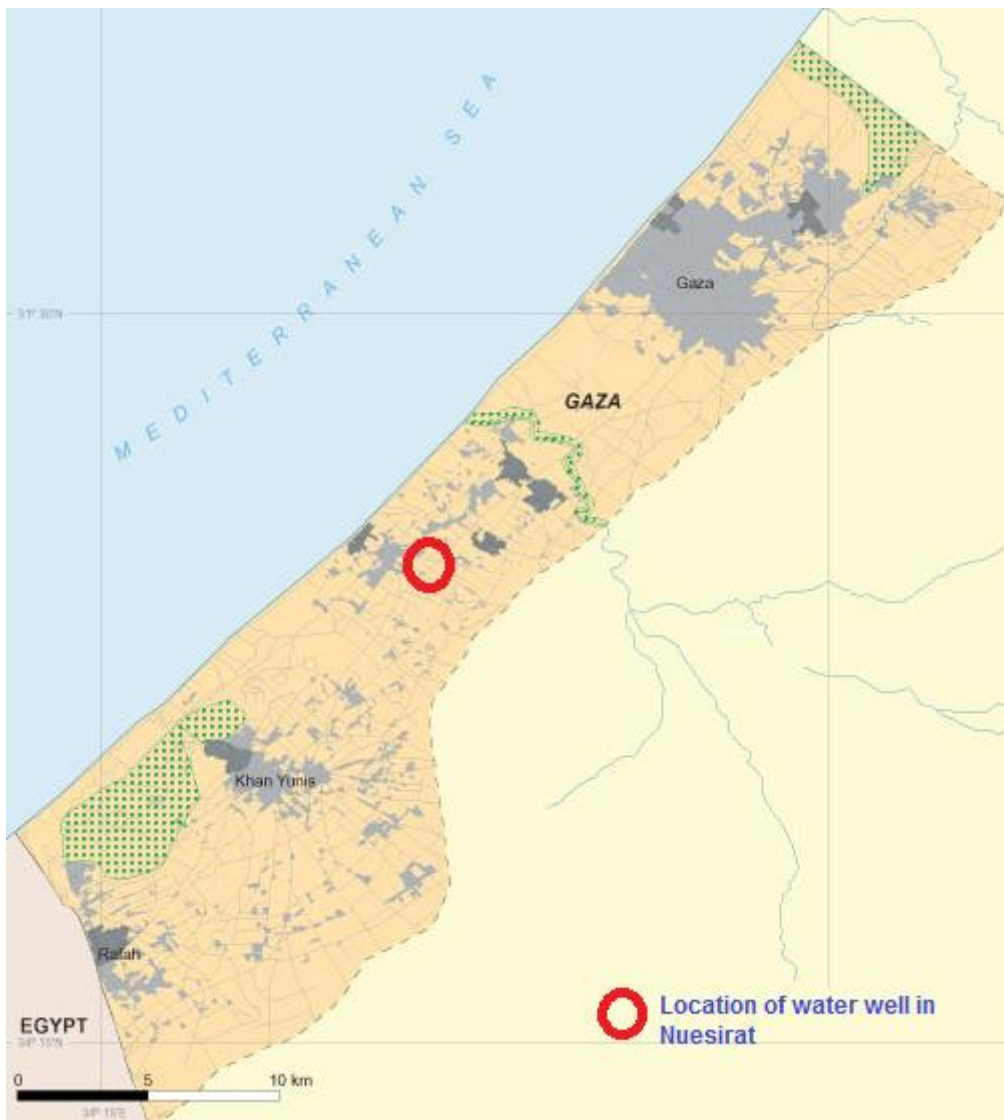
Ummah Welfare Trust is constructing a new water well at Al-Nuesirat, which is a poor region of Gaza. 60,000 people are located in the middle of Gaza strip.

Al- Nuseirat region is located quite far from the water resources causing insufficient hydraulic pressure and quantity of water to supply households in this area with a direct supply of water, especially in the summer months.

The new water well project in Nuesirat will improve the water and sanitation sector and ensure a continuous supply of water for residents.

Digging includes excavation works, construction, supplying and installing of pipes and electro-mechanical works such electrical generators and distribution of boards and cables for operation.

The water well will be connected to the local water network distribution system at Al-Nuesirat .



Location of Water Well in Nuesirat

Section Two: Works Activities

The digging and construction of the water well is under way. The team is currently on schedule to finish the digging and construction the well. It is anticipated that works will be finished at the end of November 2016 Inshallah.

October Progress

The first stage of Drilling works of the water well has been completed which included the following tasks:

- Excavate for ground beams and Foundations
- Supply and cast reinforced concrete for the ground beams and foundations
- Supply and cast reinforced concrete for the ground slab
- Supply and cast reinforced concrete for the columns
- Supply and build hollow blocks
- Supply and cast reinforced concrete for Ribbed slabs
- Sissociate wood and support for slab

The Table below shows the completed works and the remaining works of project. Completed works have been marked with (√), where the remaining works is not marked.

Programme of works		
The Drilling works		
1	Drilling and digging Borehole passing through any type of soil with diameter of min. 18 inches size	√
2	Supply and install steel pipes schedule 80. 12" diameter. 9.8 mm thickness from the top of the screen to the top of the well	√
3	Supply, weld and install a Stainless steel screen Grade 304, 12" diameter 5mm thick	√
4	Supply; weld and install Stainless steel pipe Grade 304 . 12" diameter 5 mm thick at the end of the filter	√
5	Supply and weld of stainless bottom plate of thickness 5 mm minimum 12" diameter	√
6	Supply and lower graded quartz (1.5-2.5) mm.	√
7	Transport to the site the contractors pumping equipment. Assembly and dismantling those equipment and cleaning the well by pumping	√
8	Pumping test and required measurement including detailed bacteriological and chemical analysis	√

Programme of works		
Civil and Construction Works		
1	Excavate for ground beams and Foundations	√
2	Supply and cast reinforced concrete for the ground beams and foundations	√
3	Supply and cast reinforced concrete for the ground slab	√
4	Supply and cast reinforced concrete for the columns	√
5	Supply and build hollow blocks size 20*20*40	√
6	Supply and cast reinforced concrete for Ribbed slabs cm thick	√
7	Dissociate wood and support for slab	√
8	Establishment electrical works	
9	Supply and install local marble	
10	Supply and install galvanized steel doors and window	
11	Supply and execute internal plastering	
12	Supply and execute external plastering	
13	Supply and install tiles for floor	
14	Supply and install internal and external plastering	

Programme of works		
Electromechanical Works		
1	Water Pumping Unit.	
2	Pumping Manifold	
3	Chlorine Disinfection system	
4	Supply and install electrical works	
5	Supply and Install UPVC pipes PN10, 110mm, in diameter, and connect the new 110 mm pipe with the	





