

# Water Well Digging & Construction Gaza

## Progress Report 5



<b>Project Name</b>	Digging & Construction Water Well in Nuseirat
<b>Project Location</b>	Nuesirat
<b>Name of Contractor</b>	Waqnar Company for Contracting
<b>Site Handover Date</b>	15 <sup>th</sup> August 2016
<b>Reporting period</b>	January 2017

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



## Section One: Project Description

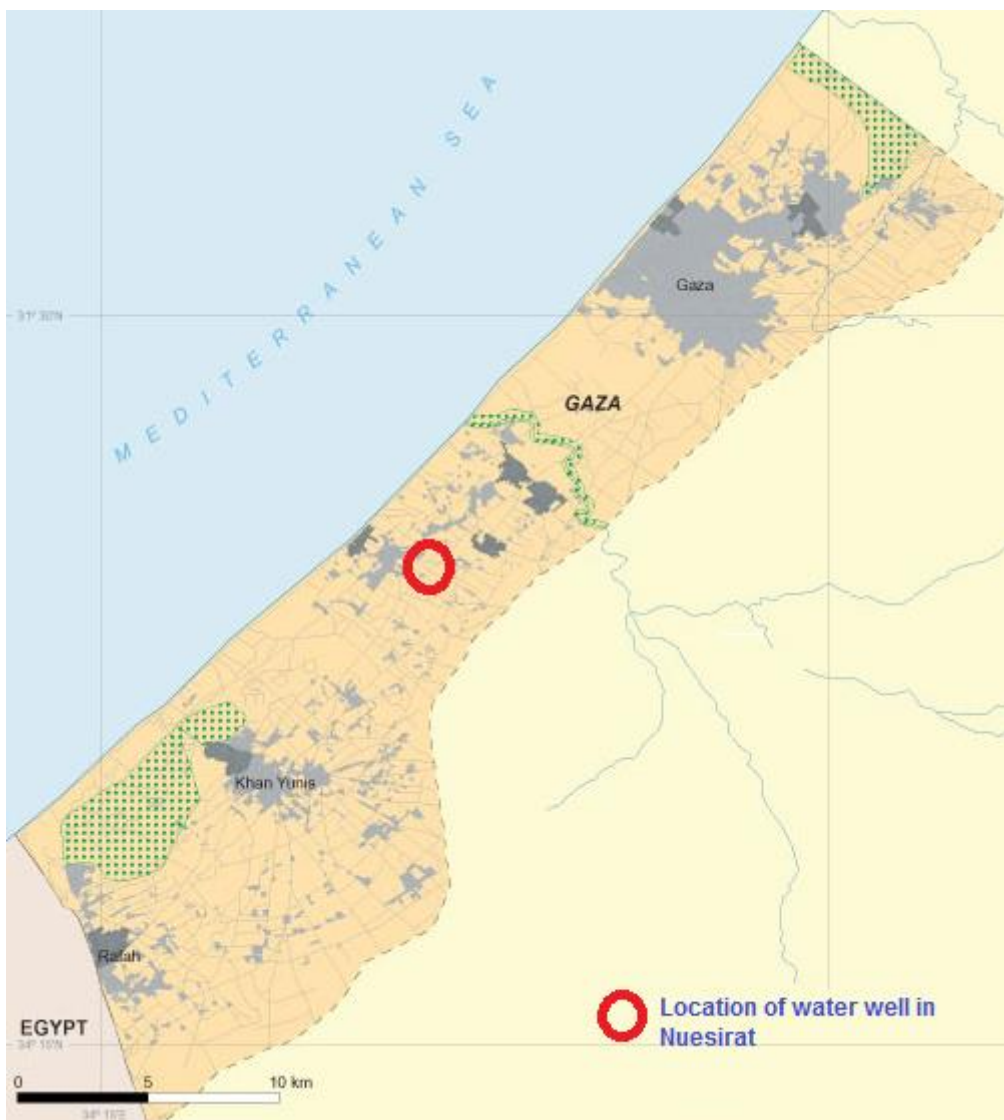
Ummah Welfare Trust is installing new water well at Al-Nuesirat which is a poor region of Gaza with a population of approximately 60,000 people.

Al- Nuseirat region is located far from water resources causing insufficient hydraulic pressure and quantity of water, especially in summer to supply households with running water.

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

The installation 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 Nuseirat

## Progress of Works

STAGE 1 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	√

STAGE 2 Civil & 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	

STAGE 3 Electromechanical Works		
1	Installation of water pumping unit	√
2	Installation of the pumping manifold	√
3	Installation chlorine disinfection system	√
4	Supply and install electrical works	
5	Supply & install UPVC pipes PN10, 110mm dia.,& connect with water network	



Galvanized Steel Doors and Window Has Completed



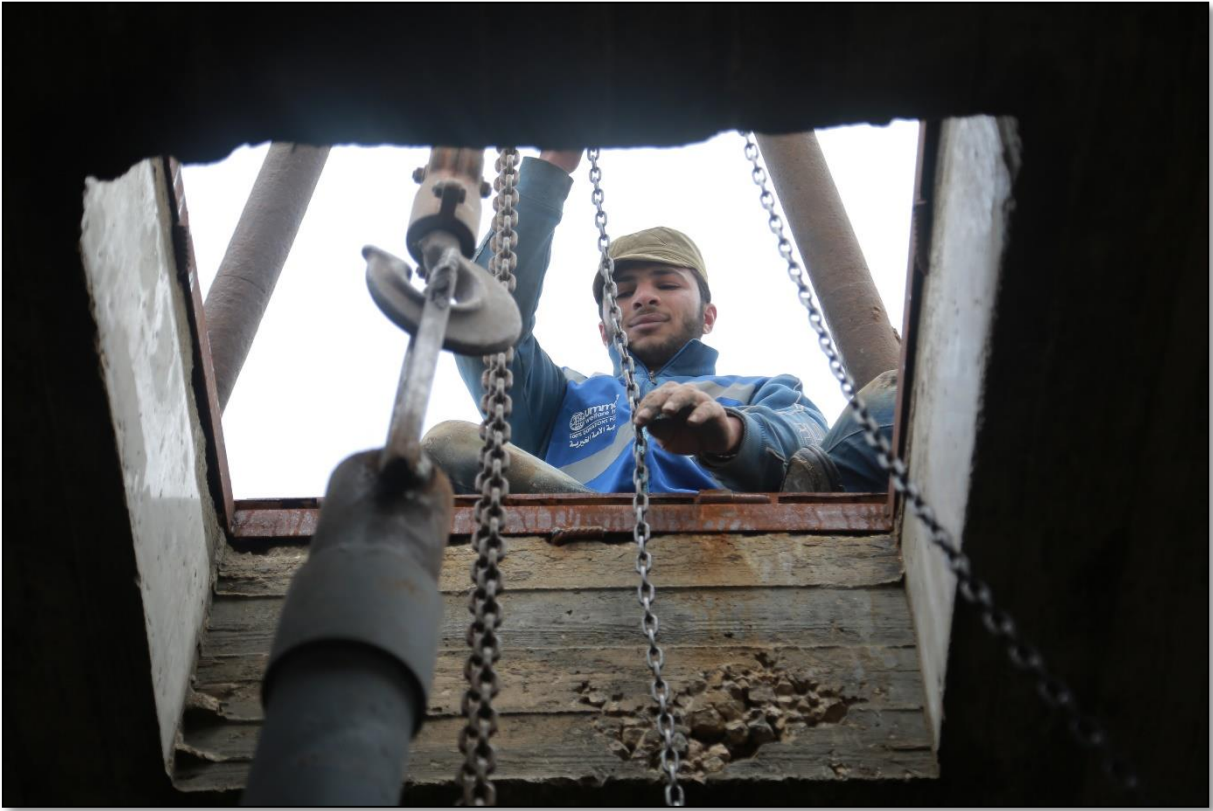
Water Pumping Unit Has Been Installed





The Pumping Manifold has been installed







Water pumping unit, chlorine disinfection system completed



Electrical works, UPVC pipes & Connection with water network is now remaining to be installed