


Activity: Rehabilitation of 6 production wells.

Locations: South Gaza / Khanyounes well P-125

Beneficiary: 27 farmers.

Purpose: The purpose of this intervention is the recovery of water rights of farmers and wells owners because their wells are no longer capable to pump their authorized volumes of water.

Summary	Available documents
<p>Background information:</p> <p>Irrigation water management in Palestine suffers from various obstacles which are related to socio-economic, cultural and technological reasons. Technical water related problems includes: inefficient and ineffective management of the available water resources, worn out and partly leaking water networks, inefficient water irrigation networks and limited water quantities for agricultural use.</p> <p>this activity will:</p> <ul style="list-style-type: none"> ✓ Reduce water losses due to leakage and worn out . ✓ Reduce the cost of water pumping and eventually reduce agricultural inputs related to water cost. ✓ Reduce the cost of maintenance. ✓ Increase the area of irrigated lands. 	<ul style="list-style-type: none"> • Application Forms. • List of beneficiaries • Photo gallery • Drawings for networks. • Tender documents. • Contractor schedule/ project plan. • Agreements between PARC and Water User Associations. • Agreements between WUA and well owner. • Spare parts manual <p style="text-align: center;">Photos</p> 

Activity Implementation:

This activity was implemented as follows:

- i. Selection of the beneficiaries was done according to well-established selection criteria and scoring system which were developed in the beginning of the project.
- ii. Formal letter were sent to PWA and supporting letter obtained.
- iii. Signing an agreement between PARC and water user associations, WuA's and farmers, in addition to agreements between WUA and well owner.
- iv. The action plan were as follow:

Please refer to the M.S project file.

Benefits:

- **Expected:**

Increasing the production of this groundwater wells by 69,620m³ yearly, this well was damaged during the Israeli occupation forces actions in that area and was completely damaged.

Improving water management capacities supply/demand through organizing the relationship between well owners and farmers through the agreements and formation of Water User Associations.

- **Actual**

Before the intervention	After the intervention
well capacity 0 m3 per hour (the well was destroyed by Israeli's)	well capacity 60 m ³ per hour
irrigated land is 0 donums	irrigated land is 100 donums

Beneficiary contribution:

- Paying all expenses related to have new license for each groundwater well.
- Supplying and installing extra works related to the well rehabilitation further to the available budget.

Time schedule of implementation and progress:



MEDWA

All supplies for this well were installed.



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Activity: Rehabilitation of 1 production wells.

Locations: Ketf Al Wad - Jericho

Beneficiary: 58 farmers.

Purpose: The purpose of this intervention is the recovery of water rights of farmers and wells owners because their wells are no longer capable to pump their authorized volumes of water.

Summary	Available documents
<p>Background information:</p> <p>Irrigation water management in Palestine suffers from various obstacles which are related to socio-economic, cultural and technological reasons. Technical water related problems includes: inefficient and ineffective management of the available water resources, worn out and partly leaking water networks, inefficient water irrigation networks and limited water quantities for agricultural use.</p> <p>this activity will:</p> <ul style="list-style-type: none"> ✓ Reduce water losses due to leakage and worn out . ✓ Reduce the cost of water pumping and eventually reduce agricultural inputs related to water cost. ✓ Reduce the cost of maintenance. ✓ Increase the area of irrigated lands. <p>Activity Implementation:</p> <p>This activity was implemented as follows:</p> <ol style="list-style-type: none"> i. Selection of the beneficiaries was done according to well-established selection criteria and scoring system which were developed in the beginning of the project. ii. Formal letter were sent to PWA and supporting letter obtained. iii. Signing an agreement between PARC and water user associations, WuA's and farmers, in addition to agreements between WUA and well owner. iv. The action plan were as follow: <p><i>Please refer to the M.S project file.</i></p>	<p>Application Forms.</p> <ul style="list-style-type: none"> • List of beneficiaries • Photo gallery • Drawings. • Tender documents. • Contractor schedule/ project plan. • Agreements between PARC and Water User Associations. • Agreements between WUA and well owner. • Spare parts manual  

Benefits:

- **Expected:**

Increasing the production of the well.

Reduce the costs related to water leakage and maintenance costs for old groundwater equipments.

Improving water management capacities supply/demand through organizing the relationship between well owners and farmers through the agreements and formation of Water User Associations.



- **Actual:**

Before the intervention	After the intervention
well capacity 15 m ³ per hour	well capacity 45 m ³ per hour
1000 euro per month for electricity.	700 euro per month for electricity.
irrigated land is 100 donums	irrigated land is 320 donums

Beneficiary contribution:

- Paying all expenses related to have new license for each groundwater well.
- Supplying and installing extra works related to the well rehabilitation further to the available budget.

Time schedule of implementation and progress:

The works on the ground Finished on 1/4/2007.



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Filename: fact sheet- GWR - Jericho.doc
Directory: D:\PARC\MEDA\Documentation\Rehabilitation of
production wells - PAL (A4.9)\Fact sheets
Template: C:\Documents and Settings\thaer\Application
Data\Microsoft\Templates\Normal.dot
Title: Stakeholder Participatory Sustainable
Subject:
Author: Eman
Keywords:
Comments:
Creation Date: 02:08:00 2008/03/05
Change Number: 5
Last Saved On: 03:19:00 2008/03/05
Last Saved By: thaer
Total Editing Time: 26 Minutes
Last Printed On: 03:19:00 2008/03/05
As of Last Complete Printing
Number of Pages: 2
Number of Words: 415 (approx.)
Number of Characters: 2,369 (approx.)

Activity: Rehabilitation of 6 production wells.

Locations: North Gaza / Jabalya well Q-6

Beneficiary: 20 farmers.

Purpose: The purpose of this intervention is the recovery of water rights of farmers and wells owners because their wells are no longer capable to pump their authorized volumes of water.

Summary	Available documents
<p>Background information:</p> <p>Irrigation water management in Palestine suffers from various obstacles which are related to socio-economic, cultural and technological reasons. Technical water related problems includes: inefficient and ineffective management of the available water resources, worn out and partly leaking water networks, inefficient water irrigation networks and limited water quantities for agricultural use.</p> <p>this activity will:</p> <ul style="list-style-type: none"> ✓ Reduce water losses due to leakage and worn out . ✓ Reduce the cost of water pumping and eventually reduce agricultural inputs related to water cost. ✓ Reduce the cost of maintenance. ✓ Increase the area of irrigated lands. 	<ul style="list-style-type: none"> • Application Forms. • List of beneficiaries • Photo gallery • Drawings for networks. • Tender documents. • Contractor schedule/ project plan. • Agreements between PARC and Water User Associations. • Agreements between WUA and well owner. • Spare parts manual <p>Photos</p> 

Activity Implementation:

This activity was implemented as follows:

- i. Selection of the beneficiaries was done according to well-established selection criteria and scoring system which were developed in the beginning of the project.
- ii. Formal letter were sent to PWA and supporting letter obtained.
- iii. Signing an agreement between PARC and water user associations, WuA's and farmers, in addition to agreements between WUA and well owner.
- iv. The action plan were as follow:

Please refer to the M.S project file.

Benefits:

- **Expected:**

Increasing the production of this groundwater wells by 4,000 m³ yearly.

Reduce the costs related to water leakage and maintenance costs for old groundwater equipments by 30%.

Improving water management capacities supply/demand through organizing the relationship between well owners and farmers through the agreements and formation of Water User Associations.

- **Actual:**

Before the intervention	After the intervention
well capacity 30 m ³ per hour	well capacity 55 m ³ per hour
Fuel consumption 8euros per hour (diesel motor)	Fuel consumption 5 euros per hour
Irrigated land is 135 donums	irrigated land is 210 donums
10 well operating hours	5 well operating hours

Beneficiary contribution:

- Paying all expenses related to have new license for each groundwater well.
- Supplying and installing extra works related to the well rehabilitation further to the available budget.

Time schedule of implementation and progress:



All supplies for this well were installed except the submersible pump, the pump will be shipped from Turkey and expected to be installed in January 2007.



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Last Updated November 2007

MEDWA

Activity: Rehabilitation of 1 production wells.

Locations: Irtah - Tulkarim

Beneficiary: 58 farmers.

Purpose: The purpose of this intervention is the recovery of water rights of farmers and wells owners because their wells are no longer capable to pump their authorized volumes of water.

Summary	Available documents
<p>Background information:</p> <p>Irrigation water management in Palestine suffers from various obstacles which are related to socio-economic, cultural and technological reasons. Technical water related problems includes: inefficient and ineffective management of the available water resources, worn out and partly leaking water networks, inefficient water irrigation networks and limited water quantities for agricultural use.</p> <p>this activity will:</p> <ul style="list-style-type: none"> ✓ Reduce water losses due to leakage and worn out . ✓ Reduce the cost of water pumping and eventually reduce agricultural inputs related to water cost. ✓ Reduce the cost of maintenance. ✓ Increase the area of irrigated lands. <p>Activity Implementation:</p> <p>This activity was implemented as follows:</p> <ol style="list-style-type: none"> i. Selection of the beneficiaries was done according to well-established selection criteria and scoring system which were developed in the beginning of the project. ii. Formal letter were sent to PWA and supporting letter obtained. iii. Signing an agreement between PARC and water user associations, WuA's and farmers, in addition to agreements between WUA and well owner. iv. The action plan were as follow: 	<p>Application Forms.</p> <ul style="list-style-type: none"> • List of beneficiaries • Photo gallery • Drawings. • Tender documents. • Contractor schedule/ project plan. • Agreements between PARC and Water User Associations. • Agreements between WUA and well owner. • Spare parts manual  

Please refer to the M.S project file.

Benefits:

• **Expected:**

Increasing the production of the well.

Reduce the costs related to water leakage and maintenance costs for old groundwater equipments.

Improving water management capacities supply/demand through organizing the relationship between well owners and farmers through the agreements and formation of Water User Associations.

• **Actual:**

Before the intervention	After the intervention
well capacity 40 m ³ per hour	well capacity 90 m ³ per hour
Fuel consumption 16 liter per hour	Fuel consumption 12 liter per hour
irrigated land is 350 donums	irrigated land is 500 donums
5 well operating hours	7 well operating hours

Beneficiary contribution:

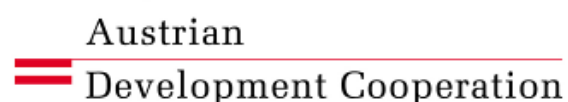
- Paying all expenses related to have new license for each groundwater well.
- Supplying and installing extra works related to the well rehabilitation further to the available budget.

Time schedule of implementation and progress:

The works on the ground Finished on 1/3/2007.



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Activity: Rehabilitation of 1 production wells.

Locations: Qabatya - Jenin

Beneficiary: 83 farmers.

Purpose: The purpose of this intervention is the recovery of water rights of farmers and wells owners because their wells are no longer capable to pump their authorized volumes of water.

Summary	Available documents
<p>Background information:</p> <p>Irrigation water management in Palestine suffers from various obstacles which are related to socio-economic, cultural and technological reasons. Technical water related problems includes: inefficient and ineffective management of the available water resources, worn out and partly leaking water networks, inefficient water irrigation networks and limited water quantities for agricultural use.</p> <p>this activity will:</p> <ul style="list-style-type: none"> ✓ Reduce water losses due to leakage and worn out . ✓ Reduce the cost of water pumping and eventually reduce agricultural inputs related to water cost. ✓ Reduce the cost of maintenance. ✓ Increase the area of irrigated lands. <p>Activity Implementation:</p> <p>This activity was implemented as follows:</p> <ol style="list-style-type: none"> i. Selection of the beneficiaries was done according to well-established selection criteria and scoring system which were developed in the beginning of the project. ii. Formal letter were sent to PWA and supporting letter obtained. iii. Signing an agreement between PARC and water user associations, WuA's and farmers, in addition to agreements between WUA and well owner. iv. The action plan were as follow: 	<p>Application Forms.</p> <ul style="list-style-type: none"> • List of beneficiaries • Photo gallery • Drawings. • Tender documents. • Contractor schedule/ project plan. • Agreements between PARC and Water User Associations. • Agreements between WUA and well owner. • Spare parts manual  

Please refer to the M.S project file.

Benefits:

• **Expected:**

Increasing the production of the well.

Reduce the costs related to water leakage and maintenance costs for old groundwater equipments.

Improving water management capacities supply/demand through organizing the relationship between well owners and farmers through the agreements and formation of Water User Associations.

• **Actual:**

Before the intervention	After the intervention
well capacity 25 m ³ per hour	well capacity 35 m ³ per hour
Fuel consumption 10 euros per hour (diesel motor)	Fuel consumption 5 euros per hour (electricity)
irrigated land is 150 donums	irrigated land is 230 donums
7 well operating hours	5 well operating hours



Beneficiary contribution:

- Paying all expenses related to have new license for each groundwater well.
- Supplying and installing extra works related to the well rehabilitation further to the available budget.

Time schedule of implementation and progress:

The works on the ground Finished on 1/3/2007.



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Filename: fact sheet- GWR - Qabaty.doc
Directory: D:\PARC\MEDA\Documentation\Rehabilitation of
production wells - PAL (A4.9)\Fact sheets
Template: C:\Documents and Settings\thaer\Application
Data\Microsoft\Templates\Normal.dot
Title: Stakeholder Participatory Sustainable
Subject:
Author: Eman
Keywords:
Comments:
Creation Date: 06:27:00 2007/06/17
Change Number: 8
Last Saved On: 03:14:00 2007/12/16
Last Saved By: thaer
Total Editing Time: 20 Minutes
Last Printed On: 02:49:00 2008/03/05
As of Last Complete Printing
Number of Pages: 2
Number of Words: 409 (approx.)
Number of Characters: 2,332 (approx.)