



**USAID** | **WEST BANK/GAZA**  
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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

**April 01 - April 30, 2014**

IQC Basic Contract No.: AID-294-I-00-12-00003

Task Order Contract No.: AID - 294 - TO - 13 - 00018

WELLS REHABILITATION PROJECT-WER

May 05, 2014

This publication was produced for review by the United States Agency for International Development. It was prepared by IRD.

# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

April 01-April 30, 2014

PROJECT I-ARRABA WELL PUMP STATION-ARW

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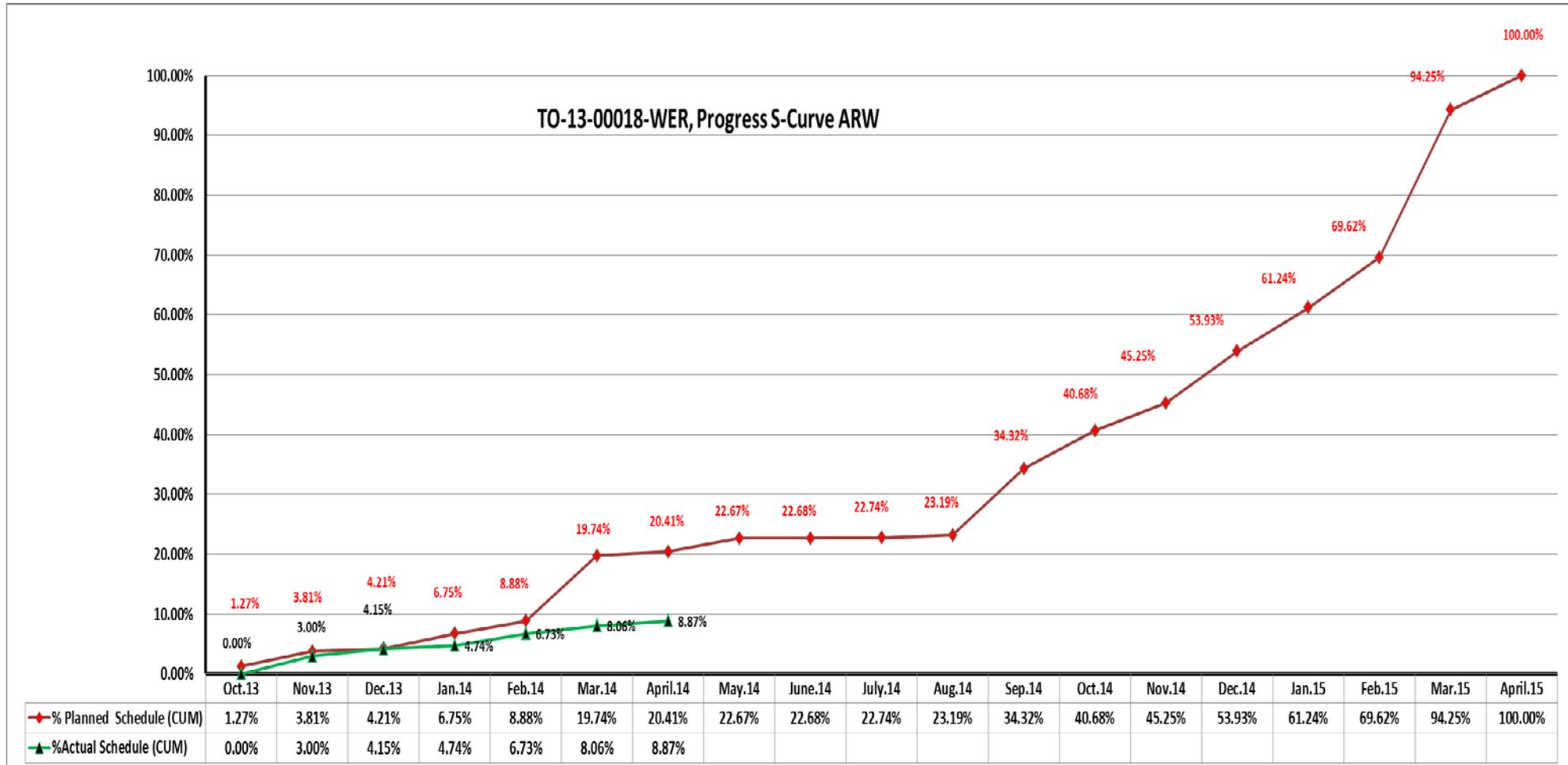
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## 1. Arraba Well (ARW) Dashboard Status



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## 2. Public Relation and Outreach

Public relations and outreach activities during the current reporting period included:

- Taking photos that show the activities at the project site;
- Coordination with WBWD.
- Coordination with Israeli archeological department regarding excavations.
- Site visits by BV, WBWD and USAID.

## 3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO<sub>2</sub>).

### Traffic Management:

Traffic plan for Arraba project had been submitted and approved.

### Safety Meeting:

Safety meetings were conducted with IRD Subcontractor to improve the existing safety program and to create increased awareness of the Subcontractor's responsibilities for the health and safety of their workers (unless there are no activities onsite during the current reporting period).

- Arraba Well: two toolbox meetings were conducted during the month of April 2014.

### Environmental Status

Environmental Status was checked on daily basis, no environmental issues occurred during the reporting period.

### Accident Status:

During the current reporting period (0) accident occurred.

The accident statistics for the month of April 2014 can be summarized as follows:

Particulars	Current Month
First Aid Cases	0
Lost Time Cases	0
Total Hours Lost	0

### Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

### Safety Conclusion:

The current level of safety is satisfactory with respect to the current work force and progress on site.

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**Safety Photos:**



Safety tool box meeting-ARW



Alternative road for field offices-ARW

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Compacting and spraying water for the alternative road to prevent dust-ARW



Installing fence and gate -ARW



Taking water sample-ARW

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Installing fence with warning tape for trench protection-ARW



Installing warning light for the equipment-ARW



Removing the loose material from top of the excavated area-ARW



Flagman to control equipment movement-ARW



Spraying water to control the dust-ARW

#### 4. Security Coordination

IRD security coordinator organized several meetings with Jenin DCL and Bet El regarding security coordination for the project, the following table provides a

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summary of the security coordination activities and meetings carried out during the current reporting period:

Date	Attendees	Purpose
April 1, 2014	Archeology office	Meeting with the archeology commander regarding Arraba Well, a site visit had been agreed on the 3 <sup>rd</sup> or the 6 <sup>th</sup> of April 2014.
April 6, 2014	Site visit to Arraba/IRD security coordinator and archeology officer	Site visit to Arraba with the archeology officer and Jenin DCL. (done with them)
April 28, 2014	Jenin DCL	Meeting with Jenin DCL to provide updates regarding Wells projects progress
April 28, 2014	Jenin Palestinian DCO	Meeting with the Palestinian DCO, updating them about the progress of the Wells Project

**Table 4.1-ARW-Security Coordination Summary**

## 5. Material or Equipment Delivered to Site

Please find attachment No. 22.4 Material and Equipment Delivered to Site.

## 6. Progress and Scheduling

The following table provides a summary of the project progress status:

Item	Percentage
Planned percentage complete	20.41%
Actual percentage complete	8.87%
Elapsed Time	34.55%

**Table 6.1-ARW-Progress Summary Table**

Project Overall Status: The Actual total float for Arrabeh Well Project is -86 CD as of the end of April 2014. We are still behind the schedule and a recovery plan to make up delays is being prepared and will be finalized by May 30, 2014. Reasons behind such a negative float are:

- Delays in entering of testing pumps from Jordan which directly affected the early start of ARW development;
- The initial yield testing of ARW (as per RFI#5) took us more than we planned as well as an additional time we spent to clean ARW well down hole due to unexpected level of the accumulated mud and sediment;
- The geophysical logging results were submitted on March 23, 2014 and as of today not yet approved and this is directly related to start counting 120 cd days required for the engineer's review of the logging results and the pumps procurement (gyroscopic log and water sampling); IRD is developing a recovery plan assuming that the entire 120 days design review will be utilized by BV.

The most critical activity in the schedule is the pumps and related equipment procurement; and we have agreed that IRD will continue looking for other options to minimize the procurement time and is working into the possibility of changing the procurement plan to recapture project delays. IRD is intensively working to have an alternative proposal for pumps procurement from an Israeli pumps manufacturer.

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During this reporting period, and after applying all necessary safety, environmental measures and mitigation and dust control on site, excavations for the reduced level and finish ground level were completed for the extended area only. Excavations for the retaining wall foundations and footing are partially completed including subgrade layer spreading, compaction and testing. Formwork and reinforcement steel bars were also delivered to site.

On the other hand, , and in conjunction with the revised development plan at Sanur well, main power supply (utility) is adjusted and stand-by power supply (Generator) and relevant electrical works and control modifications were performed as an additional requirement, to increase pumping hours from Arraba well. Construction submittals and shop drawings regarding civil works are slightly lagging the schedule; however, intensive efforts are constantly made in close follow up with the subcontractor to make up the existing delays.

For further details regarding the project progress, please see Attachment ARW 22.1-Updated Schedule Roll Up.

## 7. Submittal Status:

During the current reporting period a total of 67 submittals (including resubmittals) were delivered under TO-18-WER including three retracted submittals; 17 submittals were submitted under SUB-18-ARW (for Arrabeh Well separately); 7 submittals were submitted under SUB-18-SNW (for Sanur Well separately); one submittal was submitted under SUB-18-SDW (for Saadeh Well separately) and 42 submittals were submitted under SUB-18-WER. Review comments were received for 54 submittals out of the 67 submittals. Total response time from the CMC was between 1 to 18 days. The following table and graph provide a summary of the submittals disposition status.

Submittal Disposition	Total
A – No Exceptions Noted	5
B - Make Corrections Noted	42
C- Amend and Resubmit	6
D- Rejected- Resubmit	1
E- Review Not Required	0
Retracted submittals	3
<b>Total submittals delivered</b>	<b>67</b>
<b>Total submittals reviewed</b>	<b>54</b>
<b>Submittals delivered not reviewed</b>	<b>10</b>

Table 7.2-WER-Submittal Disposition

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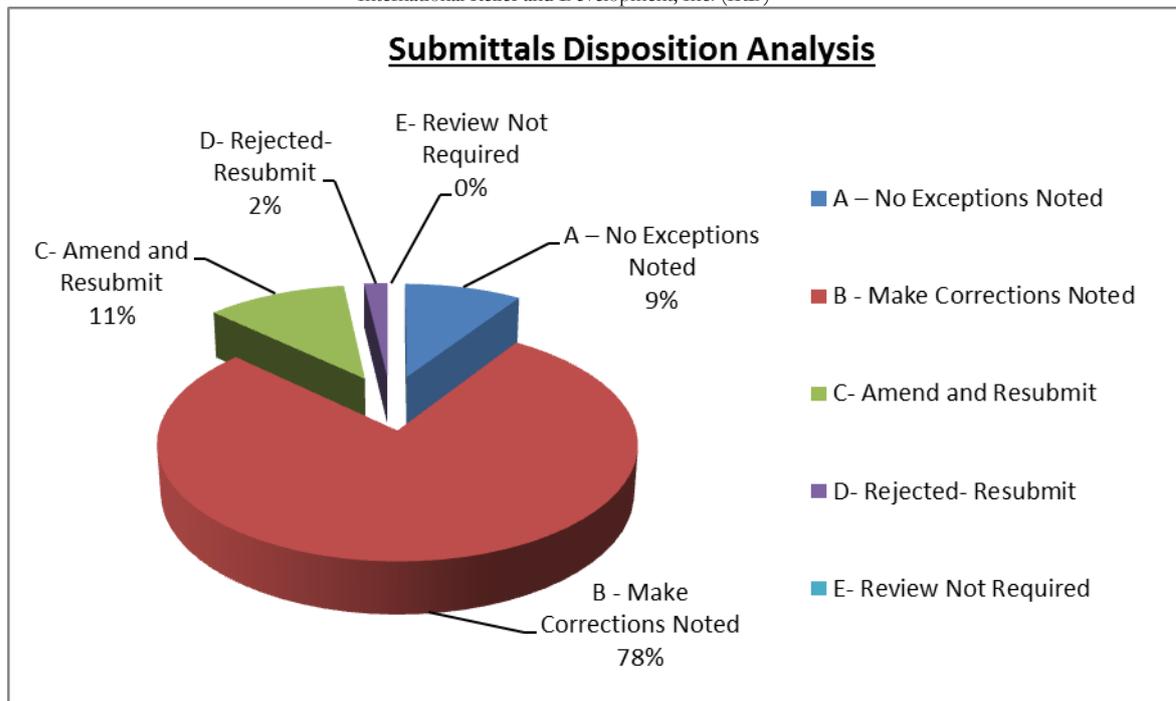


Figure 7.1-WER-Submittals Disposition Analysis

For further details, please see attachment ARW 22.6- Submittal Log

## 8. Construction Activities-completed this month and planned for the next month

### 8.1 The following was achieved during the current reporting period:

- Excavation works and reducing levels down to the finish level.
- Bearing capacity tests verified for the retaining walls & balancing tank at the design formation levels.
- Excavations for the retaining wall foundations.
- Executing stand-by power supply and relevant works according to CMC instructions.
- Construction submittals and shop drawings preparation.

### 8.2 The following are the main activities planned for next month:

- Form work of retaining wall.
- Concrete casting of retaining wall footing and walls.
- Excavations for balance tank and under-drain system installation.
- Continue preparation of construction submittals and shop drawings.
- Coordination with WBWD (West Bank Water Department).

## 9. Updated Schedule

Please see Attachment ARW 22.1- updated schedule roll up & one-month look ahead.

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## 10. Site Memos

No site memos were issued for this project during the current reporting period. For further details, please see Attachment ARW 22.3- Site Memo Log.

## 11. Inspection Requests

During the current reporting period, 10 inspection requests were submitted to the Engineer including resubmitted inspections, eight for Arraba project and two for Sanur project. For further details, please see Attachment ARW 22.5- Inspection Request Log.

## 12. Test Reports

Thirteen test reports had been conducted and submitted under TO-18-WER during the current reporting period, the engineer responded to 11 tests however, one test result is still pending and one test submittal was retracted as follows:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Retracted	Total No. of Tests Conducted	Remarks
Reinforcement Steel Bars	3				3	Submitted as SUB-00018-WER-147-B & SUB-00018-ARW-236-A
Compaction	1				1	SUB-00018-ARW-239-A
Concrete Compressive Strength	2		1	1	4	SUB-00018-WER-193-A (Retracted), SUB-00018-WER-193-A, SUB-00018-WER-198-A & SUB-00018-WER-234-A
Natural Sand	1				1	SUB-00018-WER-222-A
Backfill Material	2				2	SUB-00018-WER-224-A & SUB-00018-WER-226-A
Soil Confirmation	2				2	SUB-00018-ARW-225-A & SUB-00018-ARW-232-A
<b>Total</b>	<b>11</b>		<b>1</b>	<b>1</b>	<b>13</b>	

**Table 12.1-WER QC Analysis Table**

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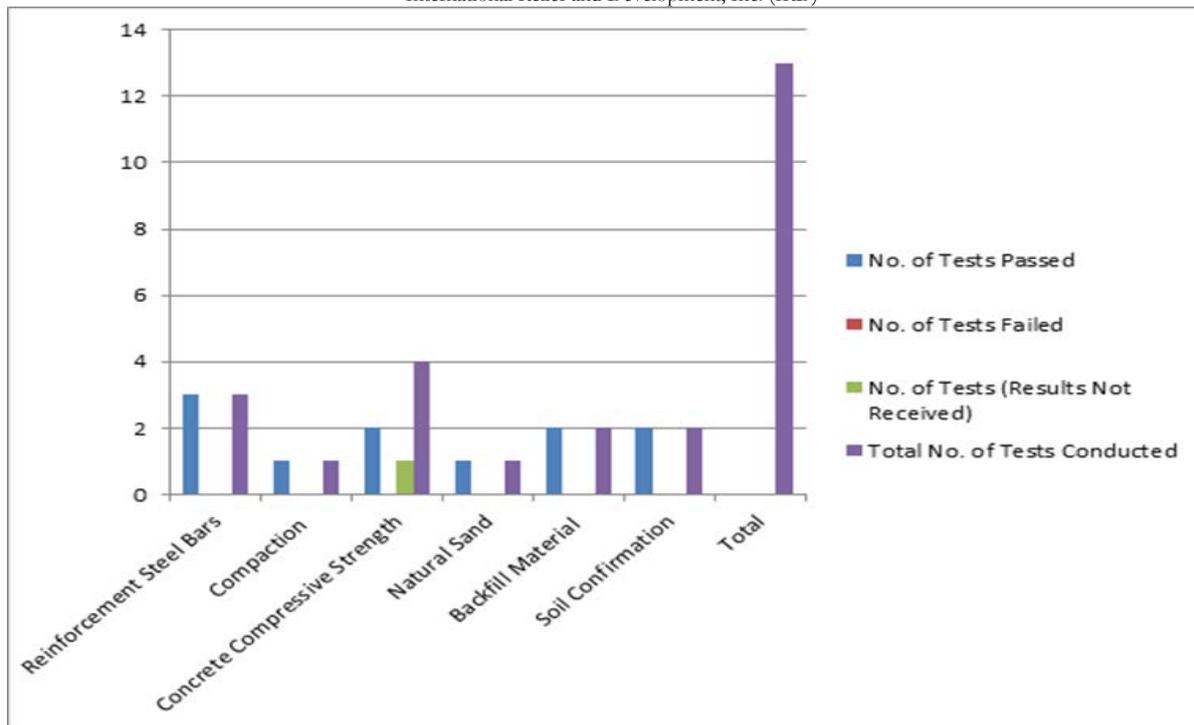


Figure 12.1-WER QC Analysis Bar Chart

### 13. Request for Information

During the current reporting period, three Requests for Information (RFI) were submitted to the CMC under TO-18-WER. One under TO-18-SNW (Sanur separately) and two for Arraba and Sanur. For further information regarding the submitted RFIs, please see Attachment ARW 22.7-Request for Information Log.

### 14. Summary of Payments and Accrued Expenditures

IRD submitted its third payment under Task Order No. 13-00018 / INP II on April 29, 2014, which is still under CMC review. This payment covers the period from February 07 to April 20, 2014.

Payment No.	Period of Performance		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Quantity	Quantity						
	Period From	Period To						
3	Feb.06, 14	Apr.20, 14	227,135.36	248,264.99	475,400.35	Apr. 29, 14	-	-

Table 14.1-ARW-Payment Summary

Accrued expenditures for Task Order 13-00018-ARW=  
 $\$578,367.63 - \$475,400.35 = \$102,967.28$ .

### 15. Variation Orders and Variation Order Requests

NO Variation Orders or Variation Order Requests were issued for this project during the current reporting period.

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## 16. Operation, Maintenance and Training

This section is not applicable for the current reporting period

## 17. Risk Management and Mitigation Measures

The following table summarizes the risks encountered for this project during the current reporting period:

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD	During the excavation process, the contractor took all safety measures to avoid hitting or damaging these utilities and coordinated with local authorities to figure out the location of such utilities. Crossing the excavated area of the RW has been supported by steel supporting jacks to avoid bending and breaking of the 10" pipe during pumping process.
Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	IRD	All power cables were isolated and protected. Tag-out lockout procedure on electric boards is implemented.
Fall of pump and pipes during Performance test	Due to the water hammer while turning the pump on and off, vibration and back pressure could cause the pump and the column pipes to fall inside the well	IRD	Closed.
Existing VLST pump fall during re-installation or would not work properly after re-installation	Due to the age and conditions of the PWA Vertical turbine pump, it might not work properly	IRD	Closed.
Archeological discoveries	The risk lays if there is any archeological places in the excavation area	IRD	Closed.
Soil movement or sliding of the cliff	The risk of sliding of cliff or soil movement during excavation works and construction works	IRD	Closed.

For more details, please refer to Attachment No. ARW 22.10 Risk Register Table.

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## 18. Summary of Working/Non-Working Days

The following table provided a summary of the Working/ Non-Working Days for the project.

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	162 Calendar Days
7.	Total No. of non-working days(Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	24 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

Table 18.1-ARW-Summary of Working/ Non-Working Days

## 19. Project Indicators

### 19.1 Indicator #1: Quantity of drinking water available as a result of USG assistance

Target Value for Project 1:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new station.	120 cubic meter per hour = 2,880 m3 per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 285,477)	$(4,252,438)m^3/365 \text{ day}/(285,477 \text{ capita}) = 0.041 m^3/\text{capita} /\text{day} = 41 \text{ L}/\text{Capita}/\text{Day}$
No. of Beneficiaries	$2,880/0.041 = 70,244 \text{ capita}$

Table 19.1-ARW-Target Value for Project 1

### 19.2 Indicator #2: Person days of Employment Generated

The following is the employment generated in Person days for Project 1 during the reporting period:

- Estimated Target Value: 22,485.50 person days;
- Employment generated previously: 1624 person days;
- Employment generated this month: 547 person days;
- Total cumulative employment generated to-date: 2171 person days.

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## **20. General Comments, Arisen Issues, Risks and Problems Encountered**

Due to instability of the existing utility power supply, there was a risk that the power supply fluctuations might disturb the process of conveying water from Araaba well to Sanur well during well development. The WBWD requested to provide a stand-by power supply at Arraba well site as a condition prior to shutdown of Sanur well. Accordingly, and as per the Engineer's instructions, the contractor provided a generator set with required control and instrumentation to integrate the stand-by generator with the existing power utility.

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## 21. Construction Photos



**Photo Date- 1<sup>st</sup> of April, 2014:** excavation to the reduced level.



**Photo Date- 6<sup>th</sup> of April, 2014:** Excavation of the suspected area with the archeological department presence



**Photo Date- 9<sup>th</sup> of April, 2014:** Inspection of reduced level excavation.



**Photo Date- 10<sup>th</sup> of April, 2014:** Excavation and surveying works for finish ground level



**Photo Date- 10<sup>th</sup> of April, 2014:** Site visit by WBWD.



**Photo Date- 10<sup>th</sup> of April, 2014:** Soil visual inspection.

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**Photo Date- 15<sup>th</sup> of April, 2014:** Taking samples for retaining wall bearing capacity test.



**Photo Date- 15<sup>th</sup> of April, 2014:** Taking samples for backfill materials.



**Photo Date- 17<sup>th</sup> of April, 2014:** Stand-by power supply preparations.



**Photo Date- 17<sup>th</sup> of April, 2014:** USAID site visit.



**Photo Date- 20<sup>th</sup> of April, 2014:** Preparation of alternative passage to field offices.

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**Photo Date- 23<sup>rd</sup> of April, 2014:** Start excavation works for retaining wall foundations.



**Photo date- 24<sup>th</sup> of April, 2014:** Dust control.



**Photo date- 26<sup>th</sup> of April, 2014:** Compaction of retaining wall subgrade.



**Photo date- 26<sup>th</sup> of April, 2014:** Formwork delivery to site.



**Photo date- 26<sup>th</sup> of April, 2014:** Base course delivery to site.

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**Photo date- 27<sup>th</sup> of April, 2014:** Safety canvas to prevent loose materials falling.



**Photo date- 27<sup>th</sup> of April, 2014:** Steel bars testing.



**Photo date- 28<sup>th</sup> of April, 2014:** Taking proctors for compaction test (retaining wall construction).



**Photo date- 30<sup>th</sup> of April, 2014:** Spreading base coarse layer for retaining wall foundations.



**Photo date- 30<sup>th</sup> of April, 2014:** Compaction of base course layers.



**Photo date- 30<sup>th</sup> of April, 2014:** Safety tool box meeting.

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

April 01-April 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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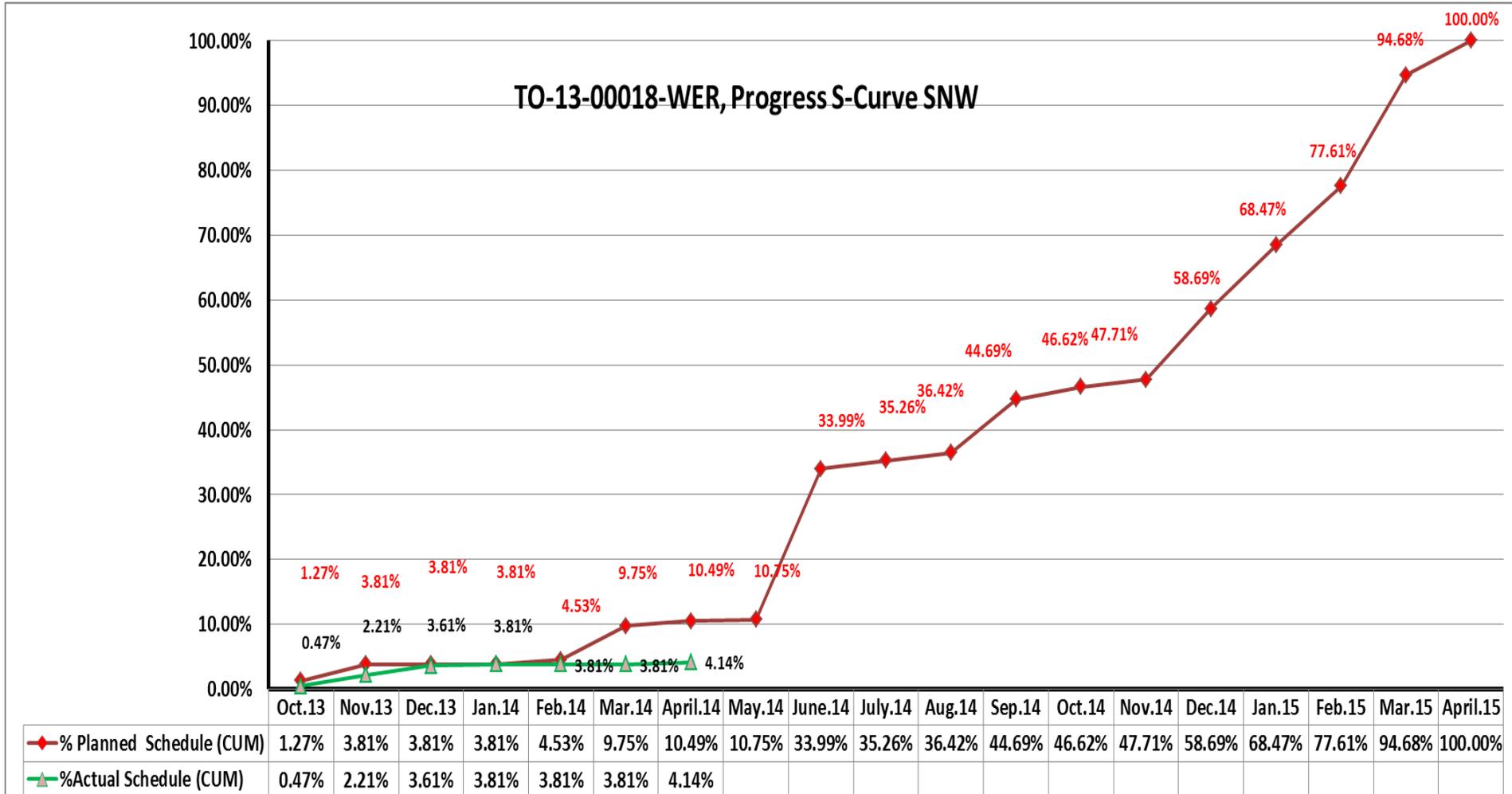
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## 1. Sanur Well (SNW) Dashboard Status



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## 2. Public Relation and Outreach

Public relations and outreach activities during the current reporting period included:

- Taking photos that show the activities at the project site;
- Coordination with WBWD regarding the shutdown of the well.
- Site visits by B.V main office and USAID.
- Coordination with landowners regarding disposal of water pumped during well development.

## 3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO<sub>2</sub>).

### Traffic Management:

Traffic plan for Sanur project is not submitted to CMC yet.

### Safety Meeting:

Safety meetings were conducted with IRD Subcontractor to improve the existing safety program and to create increased awareness of the Subcontractor's responsibilities for the health and safety of their workers (unless there are no activities onsite during the current reporting period).

- Sanur Well: three toolbox meetings were conducted during the month of April 2014.

### Environmental Status

Environmental Status was checked on daily basis; after removal of the existing VLST pump from the well, IRD performed removal of the accumulated lubrication oil from the borehole by means of a special pump. The removed oil is collected in plastic containers as shown in the pictures in order to be treated later on in a way that will not harm the environment.

### Accident Status:

During the current reporting period (1) accident occurred.

On April 25, 2014 an employee injured his finger on the right hand while he was trying to close the swivel hook.

The accident statistics for the month of April 2014 can be summarized as follows:

Particulars	Current Month
First Aid Cases	1
Lost Time Cases	0
Total Hours Lost	0

### Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

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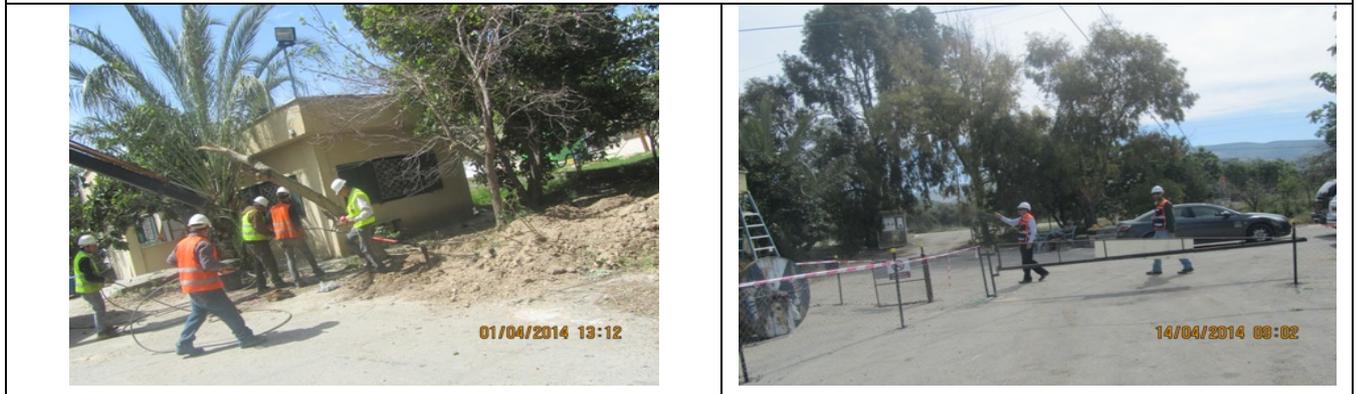
**Safety Conclusion:**

The current level of safety is satisfactory with respect to the current work force and progress on site.

**Safety Photos**



Safety Tool Box Meeting-SNW



Safety Site Preparation-SNW



Applying Safety Measures -SNW

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Applying Safety Measures on The water Tank-SNW



Disinfection for the Water Tank By Specialist-SNW



Extracted Oil From The Well-SNW



Extracted Oil From The Well-SNW



Extracted Oil From The Well-SNW

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Fill The Extracted Oil In Container To be Transfer To Albareeq Company For Treatment-SNW



Transferring The Oil From The Site-SNW



Extracted Oil been Delivered To Albareeq Company

#### 4. Security Coordination

IRD security coordinator organized several meetings with Jenin DCL and Bet El regarding security coordination for the project, the following table provides a

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summary of the security coordination activities and meetings carried out during the current reporting period:

Date	Attendees	Purpose
April 28, 2014	Jenin DCL	Meeting with Jenin DCL to provide updates regarding Wells projects progress
April 28, 2014	Jenin Palestinian DCO	Meeting with the Palestinian DCO, updating them about the progress of the Wells Project

**Table 4.1-SNW-Security Coordination Summary**

## 5. Material or Equipment Delivered to Site

Please find attachment No. 22.4 Material and Equipment Delivered to Site.

## 6. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	10.49%
Actual percentage complete	4.14%
Elapsed Time	34.55%

**Table 6.1-SNW-Progress Summary Table**

**Project Overall Status:** During the current reporting period, mobilization of rig and equipment was inspected by CMC on April 03, 2014 (Ref. IR-13-00018-SNW-C-E-004-B) and all safety and environmental measures were performed. Well is taken out of service on 19th of April, 2014 (from 2nd of April until 19th of April works are on hold due to postponement of shutting down the well by the owner). On the same day of well shutdown, pulling out of existing VLST pump started and ended on 23 April, 2014. A revised work plan for well development was submitted to the engineer including additional works to maintain pumping to affected communities during well shutdown. First stage of airlifting and jetting conducted and interrupted due to clogging of the well by an earlier fallen strainer (seen after conducting video logging). According to CMC instructions, preparation works to fish the fallen strainer started on 29<sup>th</sup> of April 2014. Preparation of construction submittals is ongoing.

For further details regarding the project progress, please see Attachment SNW 22.1-Updated Schedule Roll Up.

## 7. Submittal Status

During the current reporting period a total of 67 submittals (including resubmittals) were delivered under TO-18-WER including three retracted submittals; 17 submittals were submitted under SUB-18-ARW (for Arrabeh Well separately); 7 submittals were submitted under SUB-18-SNW (for Sanur Well separately); one submittal was submitted under SUB-18-SDW (for Saadeh Well separately) and 42 submittals were submitted under SUB-18-WER. Review comments were received for 54 submittals out of the 67 submittals. Total response time from the CMC was between 1 to 18 days. The following table and graph provide a summary of the submittals disposition status.

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Table 7.2-WER-Submittal Disposition

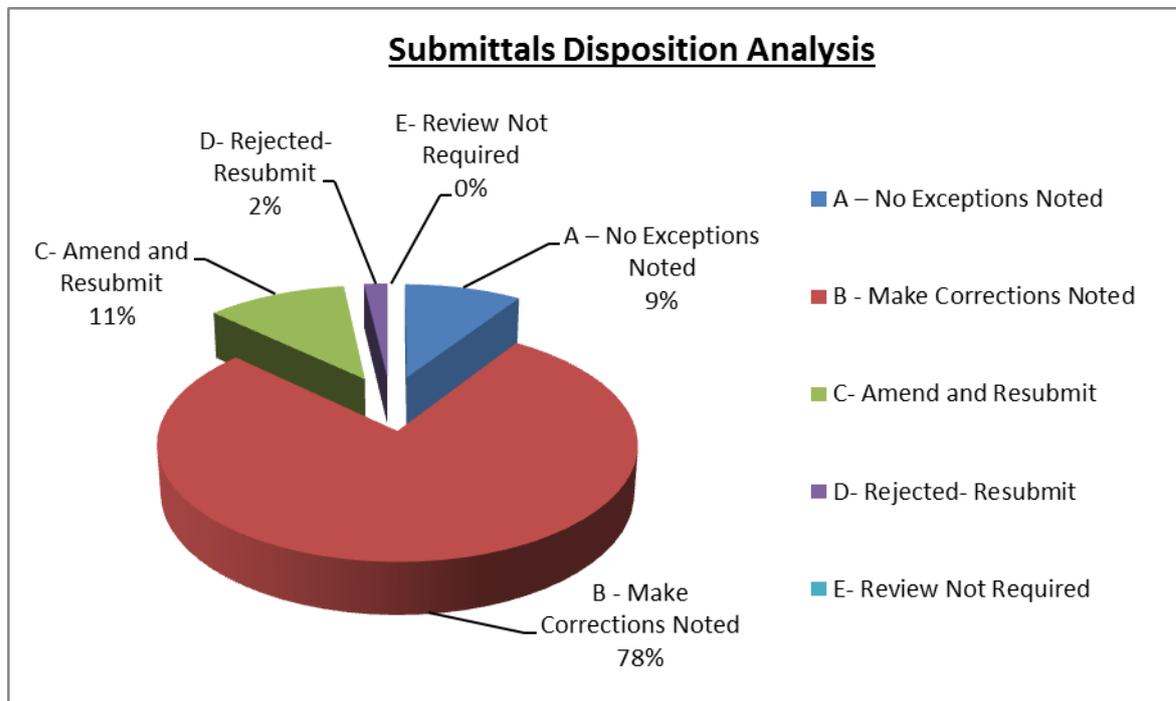


Figure 7.1-WER-Submittals Disposition Analysis

For further details, please see attachment SNW 22.6- Submittal Log

## 8. Construction Activities-completed this month and planned for the next month

### 8.1 The following was achieved during the current reporting period:

- Rig mobilized to the site, and safety preparations completed.
- Removal of the existing pump and accessories completed.
- First stage of airlifting and jetting (until 385 m bpl).
- Auxiliary preparation (piping arrangement and Balance Tank installation) to maintain pumping of water to communities completed.

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- Fishing of the earlier fallen strainer started.
- Construction submittals and shop drawings preparation and submitting is ongoing.

**8.2 The following are the main activities planned for next month:**

- Continue well development activities.
- Continue preparation and submission of construction submittals and shop drawings.
- Coordination with WBWD.

**9. Updated Schedule**

Please see Attachment SNW 22.1- updated schedule roll up & one-month look ahead.

**10. Site Memos**

Two site memos were issued for this project during the current reporting period. For further details, please see Attachment SNW 22.3- Site Memo Log.

**11. Inspection Requests**

During the current reporting period, 10 inspection requests were submitted to the Engineer including resubmitted inspections, eight for Arraba project and two for Sanur project. For further details, please see Attachment SNW 22.5- Inspection Request Log.

**12. Test Reports**

Thirteen test reports had been conducted and submitted under TO-18-WER during the current reporting period, the engineer responded to 11 tests however, one test result is still pending and one test submittal was retracted as follows:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Retracted	Total No. of Tests Conducted	Remarks
Reinforcement Steel Bars	3				3	Submitted as SUB-00018-WER-147-B & SUB-00018-ARW-236-A
Compaction	1				1	SUB-00018-ARW-239-A
Concrete Compressive Strength	2		1	1	4	SUB-00018-WER-193-A ( Retracted), SUB-00018-WER-193-A, SUB-00018-WER-198-A & SUB-00018-WER-234-A
Natural Sand	1				1	SUB-00018-WER-222-A
Backfill Material	2				2	SUB-00018-WER-224-A & SUB-00018-WER-226-A
Soil Confirmation	2				2	SUB-00018-ARW-225-A & SUB-00018-ARW-232-A
Total	11		1	1	13	

**Table 12.1-WER QC Analysis Table**

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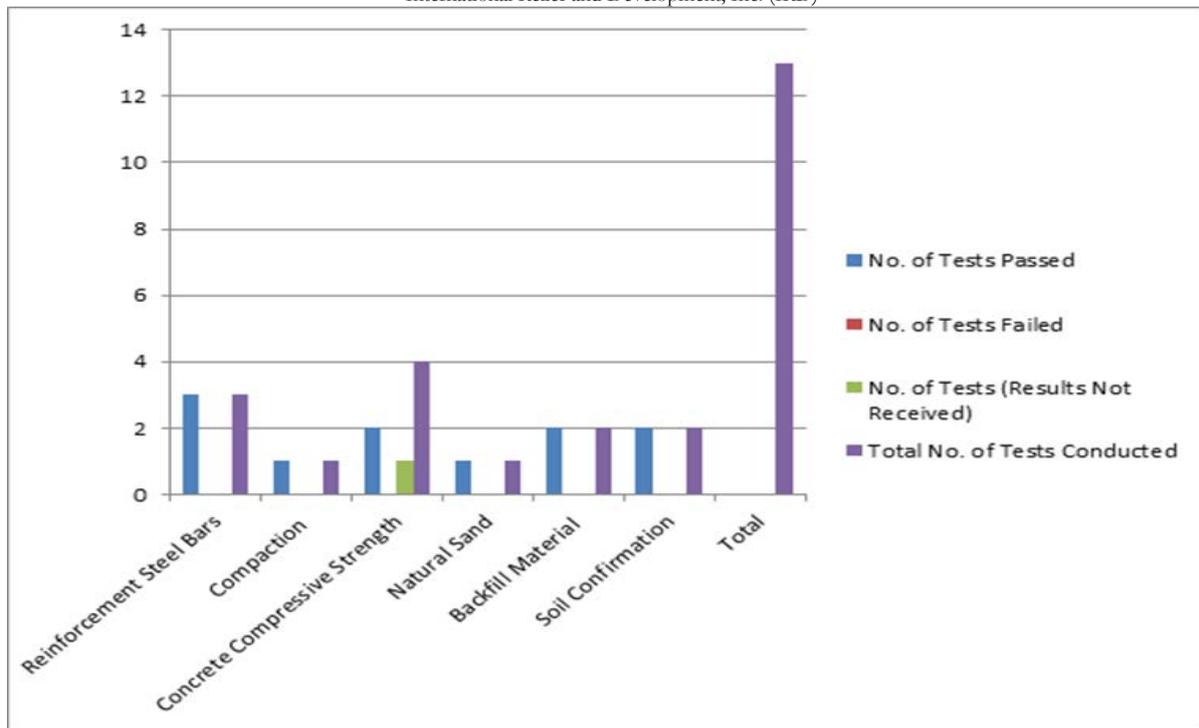


Figure 12.1-WER QC Analysis Bar Chart

### 13. Request for Information

During the current reporting period, three Requests for Information (RFI) were submitted to the CMC under TO-18-WER. One under TO-18-SNW (Sanur separately) and two for Arraba and Sanur. For further information regarding the submitted RFIs, please see Attachment SNW 22.7-Request for Information Log.

### 14. Summary of Payments and Accrued Expenditures

No payments had been submitted during the reporting period.

Accrued expenditures for Task Order 13-00018-SNW=  
 $\$290,012.85 - \$267,094.93 = \$22,917.92.$

### 15. Variation Orders and Variation Order Requests

NO Variation Order or Variation Order Request were issued for this project during the current reporting period.

### 16. Operation, Maintenance and Training

This section is not applicable for the current reporting period

### 17. Risk Management and Mitigation Measures

The following table summarizes the risks encountered for this project during the current reporting period:

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Risk	Description	Responsible Party	Remedial Measures/ Comments
Postponement of Sanur well shut down by the client, which will result in delays to pull out the existing well pump.	As per coordination with WBWD, it was scheduled to take Sanur well out of service on 29 <sup>th</sup> of Mar, 2014, but WBWD postponed turning off the well to 31 <sup>st</sup> of Mar, 2014. However, on 31 <sup>st</sup> of Mar 2014, WBWD did not shut down the well due to objection from benefited Municipalities. This will cause delays in pulling out existing vertical lines shaft well pump, hence delays in performed the completely well development process.	WBWD	Closed.

For more details, please refer to Attachment No. SNW 22.10 Risk Register Table.

## 18. Summary of Working/Non-Working Days

The following table provided a summary of the Working/ Non-Working Days for the project.

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	159 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	27 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

Table 18.1-SNW-Summary of Working/ Non-Working Days

## 19. Project Indicators

### 19.1 Indicator #1: Quantity of drinking water available as a result of USG assistance

#### Target Value for Project 2:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new station.	150 cubic meter per hour = 3,600 m3 per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 285,477)	$(4,252,438)m3/365 \text{ day} / (285,477 \text{ capita}) = 0.041 \text{ m3/capita /day} = 41 \text{ L/Capita/Day}$
No. of Beneficiaries	$3,600/0.041 = 87,805 \text{ capita}$

Table 19.1-SNW-Target Value for Project 2

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**19.2 Indicator #2: Person days of Employment Generated**

The following is the employment generated in Person days for Project 2 during the reporting period:

- Estimated Target Value: 20,208.50 person days;
- Employment generated previously: 778 person days;
- Employment generated this month: 716 person days;
- Total cumulative employment generated to-date: 1494 person days.

**20. General Comments, Arisen Issues, Risks and Problems Encountered**

Clogging of the well at a depth of 386 m bpl by an earlier fallen strainer. The contractor is instructed by the engineer to conduct fishing of the fallen strainer. A VOR is submitted to the Engineer in this regard.

**21. Construction Photos**

 <p>2014/04/02 02:42 PM</p>	 <p>16/04/2014 14:49</p>
<p><b>Photo Date: 2<sup>nd</sup> of April, 2014:</b> Equipment, site and safety preparations prior to dismantling of old pump and well development.</p>	<p><b>Photo Date: 16<sup>th</sup> of April, 2014:</b> Additional piping and storage preparations to serve affected communities during well shutdown.</p>
 <p>17/04/2014 10:51</p>	 <p>19/04/2014 11:54</p>
<p><b>Photo Date- 17<sup>th</sup> of April, 2014:</b> USAID site visit.</p>	<p><b>Photo Date- 19<sup>th</sup> of April, 2014:</b> Sanur well shutdown, and start of equipment and pump removal..</p>

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Photo Date- 19<sup>th</sup> of April, 2014: Sanur well shutdown, and start of equipment and pump removal.



Photo Date- 20<sup>th</sup> of April, 2014: Installation of temporary control panel for booster operation.

Photo Date- 21<sup>st</sup> of April, 2014: Conducting tool safety box meeting.



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**Photo Date- 23<sup>rd</sup> of April, 2014:** Finishing pulling out existing VLST pump and accessories.



**Photo Date- 24<sup>th</sup> of April, 2014:** Oil removal from borehole.



**Photo Date- 24<sup>th</sup> of April, 2014:** Installation of jetting pipes (airline).



**Photo Date- 25<sup>th</sup> of April, 2014:** Conducting jetting.

**Photo Date- 25<sup>th</sup> of April, 2014:** Start installation of airlifting educator pipes.

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**Photo Date- 27<sup>th</sup> of April, 2014:** Well development by airlifting.



**Photo Date- 28<sup>th</sup> of April 2014:** Video logging to explore the clogging at depth of 386m bpl. (Earlier fallen strainer were found clogging the 12” casing).



**Photo Date- 29<sup>th</sup> of April 2014:** Fishing tool fabrication.

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**Photo Date- 30<sup>th</sup> of April, 2014:** Measuring static water level.



**Photo date- 30<sup>th</sup> of April, 2014:** Safety tool box meeting.



**Photo Date- 30<sup>th</sup> of April, 2014:** Starting fishing of earlier fallen strainer.



**Photo Date- 30<sup>th</sup> of April, 2014:** Transfer of removed oil from the well site for treatment.

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

April 01-April 30, 2014

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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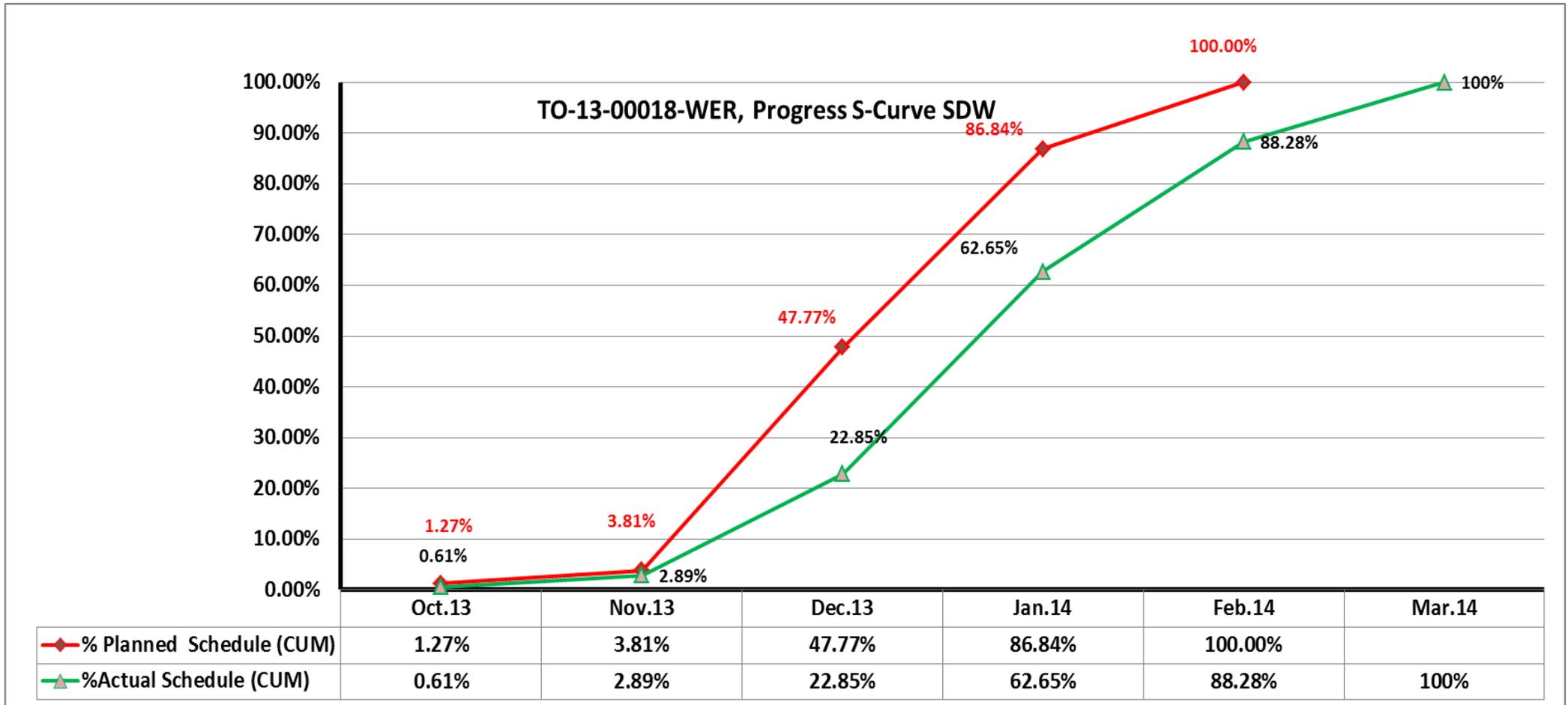
## Table of Contents

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6.	PROJECT INDICATORS.....	41

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### 1. Saadeh Well (SDW) Dashboard Status



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## 2. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	100.00%
Actual percentage complete	100.00%
Elapsed Time	100.00%

**Table 2.1-SDW-Progress Summary Table**

On March 16, 2014 Saadeh well was handed over officially after finishing all the CMC comments and fulfilling all requirements as per the specifications and the Engineer satisfaction. All necessary clearance letters were obtained and submitted to the Engineer. The project was handed over in presence of the Engineer, IRD, Jenin Municipality and WBWD representatives while the official completion date as per VO No.03 was March 11, 2014.

For further details regarding the project progress, please see Attachment SDW 22.1- Updated Schedule Roll Up.

## 3. Submittal Status:

During the current reporting period, only one submittal under SUB-18-SDW (final gyroscopic logging) had been submitted to the CMC and review comments are not received yet.

For further details, please see attachment SDW 22.6- Submittal Log

## 4. Updated Schedule

Please see Attachment SDW 22.1- updated schedule roll up.

## 5. Summary of Payments and Accrued Expenditures

IRD submitted its third payment under Task Order No. 13-00018 / INP II on April 29, 2014 of which was approved by the CMC on May 06, 2014. The corresponding payment amount was received from USAID on May 21, 2014. This payment covers the period from February 07, 2014 to April 20, 2014.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
3	Feb.07, 14	Apr.20, 14	129,517.31	235,787.57	365,304.88	Apr. 29, 14	May 06, 14	May 21,14

**Table 5.1-SDW-Payment Summary**

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Accrued expenditures for Task Order 13-00018-SDW=  
\$376,334.82 - \$ 365,304.88 = \$11,029.94

## **6. Project Indicators**

**6.1 Indicator #1:** Zero beneficiaries

### **6.2 Indicator #2: Person days of Employment Generated**

The following is the employment generated in Person days for Project 3 during the current reporting period:

- Estimated Target Value: 588.00 person days;
- Total cumulative employment generated to-date: 1216 person days.

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**USAID**  
FROM THE AMERICAN PEOPLE

**WEST BANK/GAZA**

# CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: April 01- April 30, 2014

WELLS REHABILITATION PROJECT-WER

# CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

**April 01- April 30, 2014**

PROJECT I-ARABA WELL PUMP STATION-ARW

## Attachments

### 1. Attachments

- ARW 22.1 Updated Schedule- Roll-up and One Month Look Ahead
- ARW 22.2 “S” Curve
- ARW 22.3 Site Memos Log
- ARW 22.4 Material and Equipment Delivered to Site
- ARW 22.5 Inspection Requests Log
- ARW 22.6 Submittals Log
- ARW 22.7 Requests for Information Log
- ARW 22.8 Variation Order Request Log
- ARW 22.9 Employment Generated Data
- ARW 22.10 Risk Register Table

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## ARW 22.1 Updated Schedule- Roll-up and One Month Look Ahead

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# RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS



01-May-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q															
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
<b>Total</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars]																							
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars]																							
<b>Milestones</b>		501	03-May-14	26-Jul-15	144	23-Oct-13		-92	[Gantt bars]																							
General Milestones		501	20-Jul-15	26-Jul-15	126	23-Oct-13		-92	[Gantt bars]																							
Intermediate Milestones		453	03-May-14	01-Jul-15	105	01-Dec-13		-86	[Gantt bars]																							
<b>Mobilization</b>		24			57	24-Oct-13	08-Jan-14		[Gantt bars]																							
<b>Submittals</b>		415	03-May-14	26-Jul-15	141	31-Oct-13		0	[Gantt bars]																							
Pre Construction Submittals		45			115	31-Oct-13	31-Mar-14		[Gantt bars]																							
Construction Submittals		362	03-May-14	25-May-15	129	14-Nov-13		53	[Gantt bars]																							
Material Submittals		260	03-May-14	21-Jan-15	90	06-Jan-14		155	[Gantt bars]																							
Civil		260	03-May-14	21-Jan-15	84	07-Jan-14		50	[Gantt bars]																							
Earth Works		77	23-Jun-14	12-Aug-14	10	12-Apr-14		94	[Gantt bars]																							
Concrete Works		104	03-May-14	01-Jul-14	46	07-Jan-14		179	[Gantt bars]																							
Roads Works		83	23-Jun-14	14-Oct-14	0			131	[Gantt bars]																							
Miscellaneous		127	03-May-14	14-Oct-14	0			129	[Gantt bars]																							
Building Works		207	03-May-14	21-Jan-15	0			48	[Gantt bars]																							
Mechanical		152	03-May-14	27-Oct-14	90	06-Jan-14		120	[Gantt bars]																							
Local Manufacturer		104	03-May-14	26-Aug-14	66	10-Feb-14		168	[Gantt bars]																							
Abroad Manufacturer ( Long Lead Items)		137	03-May-14	27-Oct-14	76	06-Jan-14		-48	[Gantt bars]																							
Electrical		111	03-May-14	19-Jul-14	56	06-Feb-14		300	[Gantt bars]																							
Abroad Manufacturer ( Long Lead Items)		85	03-May-14	19-Jul-14	26	13-Mar-14		23	[Gantt bars]																							
Local Manufacturer		81	03-May-14	08-Jun-14	56	06-Feb-14		330	[Gantt bars]																							
Shop Drawings		315	03-May-14	31-Mar-15	106	17-Dec-13		0	[Gantt bars]																							
Civil		190	03-May-14	27-Oct-14	100	17-Dec-13		121	[Gantt bars]																							
Mechanical		228	03-May-14	19-Feb-15	0			34	[Gantt bars]																							
Electrical		295	03-May-14	31-Mar-15	59	20-Feb-14		-7	[Gantt bars]																							
Methods Statement & Work Plans		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars]																							
Civil		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars]																							
Mechanical		141	08-Jun-14	07-Dec-14	0			80	[Gantt bars]																							
Electrical		77	08-Jun-14	17-Sep-14	0			149	[Gantt bars]																							
Post Construction Submittals		0	26-Jul-15	26-Jul-15	0			0	[Gantt bars]																							
<b>Procurement</b>		292	01-May-14	14-Jun-15	0			-53	[Gantt bars]																							
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		292	01-May-14	14-Jun-15	0			-53	[Gantt bars]																							
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars]																							
Material Order & Manufacture		254	01-May-14	21-Apr-15	0			-53	[Gantt bars]																							
Mechanical Equipment		254	01-May-14	21-Apr-15	0			-62	[Gantt bars]																							
Electrical Equipment		175	05-May-14	02-Jan-15	0			24	[Gantt bars]																							
Material Shipment		253	15-Sep-14	26-May-15	0			-75	[Gantt bars]																							
Mechanical Equipment		207	31-Oct-14	26-May-15	0			-86	[Gantt bars]																							
Electrical Equipment		144	15-Sep-14	06-Feb-15	0			34	[Gantt bars]																							
Ashdod Port/Bridge Clearance		185	21-Oct-14	08-Jun-15	0			-60	[Gantt bars]																							
Mechanical Equipment		148	07-Dec-14	08-Jun-15	0			-69	[Gantt bars]																							
Electrical Equipment		98	21-Oct-14	19-Feb-15	0			27	[Gantt bars]																							
Transport to Site (Ashdod Port to Site)		180	02-Nov-14	14-Jun-15	0			-60	[Gantt bars]																							
Mechanical Equipment		143	18-Dec-14	14-Jun-15	0			-69	[Gantt bars]																							
Electrical Equipment		93	02-Nov-14	25-Feb-15	0			27	[Gantt bars]																							
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		288	01-May-14	08-Jun-15	0			-54	[Gantt bars]																							
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars]																							
Material Order & Manufacture		234	01-May-14	25-Mar-15	0			-44	[Gantt bars]																							
Mechanical Equipment		234	01-May-14	25-Mar-15	0			-44	[Gantt bars]																							
Electrical Equipment		175	05-May-14	02-Jan-15	0			10	[Gantt bars]																							
Material Shipment		182	08-Nov-14	09-May-15	0			-72	[Gantt bars]																							
Mechanical Equipment		172	08-Nov-14	29-Apr-15	0			-62	[Gantt bars]																							

- ( New Bar )
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Roll Up Schedule - April, 2014

Date	Revision	Checked	Approved
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.-lv...	Naim Mani-Prog Direc...





Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q							
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
	<b>Septic &amp; Seepage Tank</b>	78	26-Jun-14	13-Oct-14	0			132																
	Plumbing Works	28	01-Sep-14	09-Oct-14	0			135																
	Finishing Works	7	21-Sep-14	29-Sep-14	0			92																
	Civil & Structural Works	78	26-Jun-14	13-Oct-14	0			92																
	<b>Electrical &amp; Control Building</b>	189	27-Oct-14	13-Jun-15	0			-58																
	Civil & Structural Works	77	27-Oct-14	01-Feb-15	0			-2																
	Finishing Works	26	01-Feb-15	05-Mar-15	0			2																
	Mechanical Works	37	07-Feb-15	23-Mar-15	0			2																
	Electrical & Instrumentation Works	181	05-Nov-14	13-Jun-15	0			-58																
	HVAC-Plumping	10	12-May-15	24-May-15	0			-41																
	<b>Chlorination &amp; Storage Building</b>	220	25-Aug-14	24-May-15	0			-41																
	Civil & Structural Works	73	25-Aug-14	24-Nov-14	0			75																
	Finishing Works	21	24-Nov-14	18-Dec-14	0			75																
	Mechanical Works	90	04-Sep-14	24-Dec-14	0			75																
	Electrical & Instrumentation Works	213	02-Sep-14	24-May-15	0			-41																
	HVAC-Plumping	5	06-Jan-15	14-Jan-15	0			66																
	<b>Living Quarters Building</b>	138	17-Aug-14	08-Feb-15	0			48																
	Civil & Structural Works	70	17-Aug-14	12-Nov-14	0			51																
	Finishing Works	61	12-Nov-14	28-Jan-15	0			48																
	Mechanical Works	125	26-Aug-14	01-Feb-15	0			48																
	Electrical & Instrumentation Works	66	31-Aug-14	22-Nov-14	0			108																
	HVAC-Plumping	53	30-Nov-14	08-Feb-15	0			48																
	<b>Electrical Metering Building</b>	126	26-Oct-14	30-Mar-15	0			6																
	Civil & Structural Works	76	26-Oct-14	28-Jan-15	0			34																
	Finishing Works	16	28-Jan-15	19-Feb-15	0			34																
	Electrical & Instrumentation Works	117	30-Oct-14	24-Mar-15	0			6																
	HVAC-Plumping	5	24-Mar-15	30-Mar-15	0			6																
	<b>Pads &amp; Slabs</b>	97	13-Dec-14	14-Apr-15	0			-7																
	Civil & Structural Works	39	13-Dec-14	03-Feb-15	0			29																
	Electrical & Instrumentation Works	70	04-Jan-15	04-Apr-15	0			-7																
	Mechanical Works	58	03-Feb-15	14-Apr-15	0			-7																
	Finishing Works	2	04-Apr-15	06-Apr-15	0			-7																
	<b>Well Systems</b>	183	27-Oct-14	07-Jun-15	0			-53																
	Wellhead and Pad (Structural)	47	27-Oct-14	21-Dec-14	0			78																
	Mechanical	17	18-May-15	07-Jun-15	0			-53																
	Electrical & Instrumentation Works	5	18-May-15	24-May-15	0			-41																
	<b>Yard Works,Widening&amp;Upgrading of Existing Main Road Entrance &amp; Site Electrical Power</b>	74	25-Jan-15	25-Apr-15	0			-16																
	External & Finishing Works	73	25-Jan-15	23-Apr-15	0			-15																
	Electrical & Instrumentation Works	74	25-Jan-15	25-Apr-15	0			-16																
	Mechanical Works	24	03-Feb-15	05-Mar-15	0			-16																
	<b>Flow Control Valve for Jaba Existing Balance Tank&amp;Kafr Rai Existing PS Balance Tank</b>	20	03-Feb-15	01-Mar-15	0			11																
	<b>(O&amp;M),Inspection,Commissioning,Start Up &amp; Training</b>	288	03-Aug-14	20-Jul-15	0			-79																
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	196	03-Aug-14	04-Apr-15	0			-60																
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	184	16-Sep-14	04-May-15	0			-24																
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	07-Jul-15	14-Jul-15	0			-79																
	Training Phase	11	07-Jul-15	20-Jul-15	0			-79																
	Comissioning & Start Up Phase for All System	5	14-Jul-15	20-Jul-15	0			-79																
	<b>Demobilization,Close Out&amp;Handing Over</b>	5	20-Jul-15	26-Jul-15	0			-79																
	<b>Project 3 Saadeh Well Pump Station Rehabilitation</b>	25			106	24-Oct-13	20-Mar-14																	
	<b>P3 - Saadeh Well Pump Station Rehabilitation</b>	25			106	24-Oct-13	20-Mar-14																	
	Mobilization for P3	24			57	24-Oct-13	09-Jan-14																	
	Execution	33			97	01-Dec-13	20-Mar-14																	
	Demobilization,Close Out&Handing Over for P3	7			0	11-Mar-14	11-Mar-14																	

- ( New Bar )
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

▼ Summary

### Roll Up Schedule - April, 2014

Date	Revision	Checked	Approved
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...





## ARW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

**TASK ORDER NO. AID-294-TO-13-00018**

**TASK ORDER NO. AID-294-TO-13-00018**

**PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements**

USD	
Total Contract Value Less Day Work:	\$6,516,970.57
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements**

USD	
Total Contract Value Less Day Work:	\$7,011,251.36
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 3 Saadeh Well Pump Station - Rehabilitation**

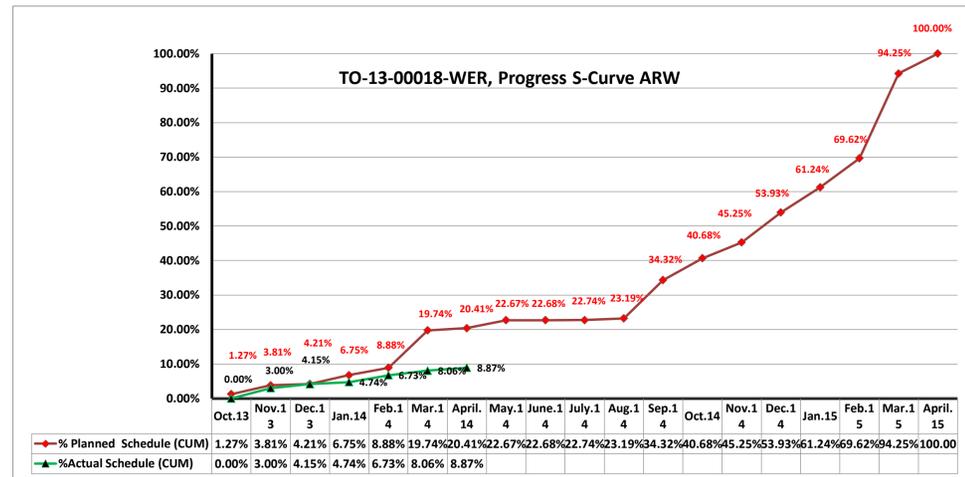
USD	
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	120 CD
Completion Date:	19-Feb-14
Revised Completion Date :	11-Mar-14
Data Date:	

**TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)**

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,556.73
Day Work Value:	\$817,300.18
Total Contract Value Including Day Work:	\$14,721,856.91

**PROGRESS S-CURVE & CASH FLOW SCHEDULE**

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	TOTAL
Planned Schedule Value	\$82,755.18	\$165,510.37	\$26,232.56	\$165,634.50	\$138,884.18	\$707,403.93	\$43,377.32	\$147,314.16	\$1,081.74	\$3,588.59	\$29,267.90	\$725,813.31	\$414,044.16	\$297,923.42	\$565,839.48	\$476,014.65	\$546,154.18	\$1,605,620.26	\$374,510.68	\$6,516,970.57
Planned Schedule Value (CUM)	\$72,410.79	\$248,265.55	\$367,626.28	\$760,860.11	\$1,286,213.66	\$1,338,951.45	\$1,377,861.99	\$1,524,241.22	\$1,640,561.44	\$1,705,086.54	\$1,989,339.32	\$2,316,442.31	\$2,566,877.13	\$3,020,066.20	\$5,031,015.15	\$5,701,268.52	\$6,150,326.17	\$6,419,370.07	\$6,516,970.57	\$6,516,970.57
Actual Schedule Value	\$30,488.75	\$113,243.94	\$107,409.99	\$57,661.93	\$129,937.14	\$86,541.01	\$53,084.87													
Actual Schedule Value (CUM)	\$30,488.75	\$143,732.69	\$251,142.68	\$308,804.61	\$438,741.75	\$525,282.76	\$578,367.63													
% Planned Schedule	1.27%	2.54%	0.40%	2.54%	2.13%	10.85%	0.67%	2.26%	0.02%	0.06%	0.45%	11.14%	6.35%	4.57%	8.68%	7.30%	8.38%	24.64%	5.75%	100%
% Planned Schedule (CUM)	1.27%	3.81%	4.21%	6.75%	8.88%	19.74%	20.41%	22.67%	22.68%	22.74%	23.19%	34.32%	40.68%	45.25%	53.93%	61.24%	69.62%	94.25%	100.00%	100%
% Actual Schedule	0.00%	3.00%	1.15%	0.88%	1.99%	1.33%	0.81%													
% Actual Schedule (CUM)	0.00%	3.00%	4.15%	4.74%	6.73%	8.06%	8.87%													



## ARW 22.3 Site Memos Log

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**International Relief & Development**

Infrastructure Needs Program- INP

USAID Contract No. AID-294-I-00-12-00003

Project: Wells Rehabilitation Project

NOA Date: September 23, 2014

NTP Date: October 25, 2014

Current as Date: May 5, 2014

**Site Memoranda From Engineer To Contractor (SM)**

Number	Description/Subject	Date Received	Response Date	Comments
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There is no site memo issued for the project During this reporting period

## ARW 22.4 Material or Equipment Delivered to Site Log

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## Material Log

<b>Task Order:</b>	AID-294-TO-13-00018			
<b>Project:</b>	Wells Rehabilitation Project			
<b>Sub-project</b>	Arraba Well Pump Station Rehabilitation and Infrastructure Improvements			
Item	Date	Description	Oty	Location
1	April 26, 2014	Base coarse	100 m <sup>3</sup>	Arraba well pump station
2	April 27, 2014	Base coarse	20 m <sup>3</sup>	Arraba well pump station
3	April 27, 2014	Reinforcement steel bars (Ø22, Ø16)	11.306 T	Arraba well pump station

## Equipment Log

<b>Task Order:</b>		AID-294-TO-13-00018			
<b>Project:</b>		Wells Rehabilitation Project			
<b>Sub-project</b>		Arraba Well Pump Station Rehabilitation & Infrastructure Improvements			
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	April 1, 2014	Crawler Excavator- Hitachi	1	8	
2		JCB Back Hole -1993	1	6	
3		Steel Roller			1
4		Truck	2	8	
5		Total Station			1
6		Level			1
7		Mitsubishi L200 -2007	1	8	
8	April 2, 2014	Crawler Excavator- Hitachi			1
9		JCB Back Hole -1993			1
10		Steel Roller			1
11		Mitsubishi L200 -2007	1	8	
12	April 3, 2014	Crawler Excavator- Hitachi			1
13		JCB Back Hole -1993	1	8	
14		Steel Roller			1
15		Mitsubishi L200 -2007	1	8	
16	April 4, 2014	Rig			1
17		JCB Back Hole-1993			1
18		Generator Set			1
19	April 5, 2014	Crawler Excavator- Hitachi			1
20		JCB Back Hole -1993			1
21		Steel Roller			1
22	April 6, 2014	Crawler Excavator- Hitachi	1	3	
23		JCB Back Hole -1993			1
24		Steel Roller			1
25		Mercedes 416 -2002	1	8	
26		Mitsubishi L200 -2007	1	8	
27	April 7, 2014	Crawler Excavator- Hitachi	1	5	
28		JCB Back Hole -1993			1
29		Steel Roller			1
30		Truck	2	5	
31		Crane			1
32		Level	1	8	
33		Mercedes 416 -2002	1	8	
34		Mitsubishi L200 -2007	1	8	
35	April 8, 2014	Crawler Excavator- Hitachi			1
36		JCB Back Hole -1993			1
37		Steel Roller			1
38		Level			1
39		Mitsubishi L200 -2007	1	8	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
40	April 9, 2014	Crawler Excavator- Hitachi			1
41		JCB Back Hole -1993			1
42		Steel Roller			1
43		Truck			
44		Crane	1	3	
45		Level	1	8	
46		Total Station	1	8	
47		Mitsubishi L200 -2007	1	8	
48		Mercedes 416 -2002	1	8	
49	April 10, 2014	Crawler Excavator- Hitachi	1	8	
50		JCB Back Hole -1993	1	8	
51		Steel Roller			1
52		Truck	1	8	
53		Crane			1
54		Level	1	8	
55		Total Station	1	8	
56		Mitsubishi L200 -2007	1	8	
57		Mercedes 416 -2002	1	8	
58	April 11, 2014	Crawler Excavator- Hitachi			1
59		JCB Back Hole -1993			1
60		Steel Roller			1
61		Level			1
62		Total Station			1
63	April 12, 2014	Crawler Excavator- Hitachi	1	8	
64		JCB Back Hole -1993	1	8	
65		Steel Roller			1
66		Truck	2	8	
67		Level	1	8	
68		Total Station	1	8	
69		Mitsubishi L200 -2007	1	8	
70		Mercedes 416 -2002	1	8	
71	April 13, 2014	Crawler Excavator- Hitachi			1
72		JCB Back Hole -1993	1	4	
73		Steel Roller			1
74		Truck			
75		Level	1	8	
76		Total Station	1	8	
77		Mitsubishi L200 -2007	1	8	
78		Mercedes 416 -2002	1	8	
79	April 14, 2014	Crawler Excavator- Hitachi			1
80		JCB Back Hole -1993			1
81		Steel Roller			1
82		Level	1	8	
83		Total Station	1	8	
84		Mercedes 416 -2002	1	8	
85	April 15, 2014	Crawler Excavator- Hitachi	1	2	
86		JCB Back Hole -1993			1
87		Steel Roller			1
88		Level	1	8	
89		Total Station	1	8	
90		Mercedes 416 -2002	1	8	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
91	April 16, 2014	Crawler Excavator- Hitachi			1
92		JCB Back Hole -1993			1
93		Steel Roller			1
94		Level	1	8	
95		Total Station	1	8	
96		Mercedes 416 -2002	1	8	
97	April 17, 2014	Crawler Excavator- Hitachi	1	4	
98		JCB Back Hole -1993			1
99		Steel Roller			1
100		Crane	1	1	
101		Level			1
102		Total Station			1
103		Mitsubishi L200 -2007	1	8	
104		Mercedes 416 -2002	1	8	
105	April 18, 2014	Crawler Excavator- Hitachi			1
106		JCB Back Hole -1993			1
107		Steel Roller			1
108		Diesel Generator			1
109		Level			1
110		Total Station			1
111		Mitsubishi L200 -2007	1	8	
112	April 19, 2014	Crawler Excavator- Hitachi			1
113		JCB Back Hole -1993			1
114		Steel Roller			1
115		Diesel Generator			1
116		Level			1
117		Total Station	1	8	
118		Mercedes 416 -2002	1	8	
119	April 20, 2014	Crawler Excavator- Hitachi			1
120		JCB Back Hole -1993	1	8	
121		Steel Roller			1
122		Diesel Generator			1
123		Level			1
124		Total Station	1	8	
125		Mercedes 416 -2002	1	8	
126	April 21, 2014	Crawler Excavator- Hitachi			1
127		JCB Back Hole -1993	1	8	
128		Steel Roller	1	8	
129		Truck	1	3	
130		Level			1
131		Total Station	1	8	
132		Mercedes 416 -2002	1	8	
133		Diesel Generator(standby)			1
134	April 22, 2014	Crawler Excavator- Hitachi			1
135		JCB Back Hole -1993	1	8	
136		Steel Roller	1	8	
137		Diesel Generator(Standby)			1
138		Level			1
139		Total Station	1	8	
140		Mercedes 416 -2002	1	8	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle	
141	April 23, 2014	Crawler Excavator- Hitachi	1	8		
142		JCB Back Hole -1993	1	8		
143		Steel Roller	1	8		
144		Truck	2	8		
145		Level	1	8		
146		Total Station	1	8		
147		Mercedes 416 -2002	1	8		
148		Diesel Generator(Standby)				1
149	April 24, 2014	Crawler Excavator- Hitachi	1	8		
150		JCB Back Hole -1993				1
151		Steel Roller	1	8		
152		Truck	2	8		
153		Level	1	8		
154		Total Station				1
155		Mercedes 416 -2002	1	8		
156		Diesel Generator(Standby)				1
157	April 25, 2014	Crawler Excavator- Hitachi				1
158		JCB Back Hole -1993				1
159		Steel Roller				1
160		Level				1
161		Total Station				1
162		Diesel Generator(Standby)				1
165	April 26, 2014	Crawler Excavator- Hitachi				1
166		JCB Back Hole -1993	1	8		
167		Steel Roller	1	8		
168		Truck	1	8		
169		Crane	1	2		
170		Level				1
171		Total Station	1	8		
172		Mercedes 416 -2002	1	8		
173	Diesel Generator(Standby)				1	
174	April 27, 2014	Crawler Excavator- Hitachi				1
175		JCB Back Hole -1993	1	8		
176		Steel Roller				1
177		Truck	1	2		
178		Level				1
179		Total Station	1	8		
180		Mercedes 416 -2002	1	8		
181		Diesel Generator(Standby)				1
182	April 28, 2014	Crawler Excavator- Hitachi				1
183		JCB Back Hole -1993	1	8		
184		Steel Roller	1	8		
185		Level	1	8		
186		Mercedes 416 -2002	1	8		
187		Diesel Generator(Standby)				1
190	April 29, 2014	Crawler Excavator- Hitachi				1
191		JCB Back Hole -1993	1	8		
192		Steel Roller	1	8		
193		Level	1	8		
194		Mercedes 416 -2002	1	8		
195		Diesel Generator(Standby)				1

## ARW 22.5 Inspection Requests Log

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	<b>Color</b>	<b>Response Index</b>
		Amend-Resubmit
		Pending
		Make Correction Noted

**Inspection Requests Log  
IRD/BV**

<b>Task Order:</b>	AID-294-TO-13-00018						
<b>Project:</b>	Wells Rehabilitation Project						
<b>Sender/ Recipient</b>	IRD/BV		1st Inspection			2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-014-A	April 8, 2014	April 9, 2014	Inspecting excavations to the reduced level and quantities	April 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-015-A	April 23, 2014	April 23, 2014	Inspecting R.W location-coordinates prior to start excavation activity for retaining wall foundations.	April 23, 2014	No Exceptions Noted		
IR-13-00018-ARW-016-A	April 24, 2014	April 26, 2014	Inspection dimensions of the excavated retaining wall foundation.	April 26, 2014	Amend-Resubmit		
IR-13-00018-ARW-016-B	April 26, 2014	April 27, 2014	Inspecting excavation dimensions for retaining wall footings.	April 27, 2014	Amend-Resubmit		
IR-13-00018-ARW-016-C	April 29, 2014	April 29, 2014	Inspecting excavation dimensions for retaining wall footings.	April 29, 2014	No Exceptions Noted		
IR-13-00018-ARW-017-A	April 26, 2014	April 27, 2014	Inspecting miscellaneous excavation under the reduced level.	April 27, 2014	No Exceptions Noted		
IR-13-00018-ARW-018-A	April 30, 2014	May 1, 2014	Inspecting spreading leveling base coarse layer-25cm in Area from A1 to A6 under retaining wall footings	May 1, 2014	Amend-Resubmit		
IR-13-00018-ARW-019-A	April 30, 2014	May 1, 2014	Inspecting Arraba balance tank location (coordinate) for balance tank foundation excavation	May 1, 2014	No Exceptions Noted		

## ARW 22.6 Submittals Log

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Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-211-A	Debris Stop Gate and Mud Gate	Drawing Nos: PS2S-1-Rev. General Design Drawings	PD	CONS	SUB	WER			A		March 31, 2014	April 10, 2014		May 10, 2014	April 15, 2014	5	B	
SUB-00018-WER-212-A	Ball Valve DN: 15, 25 mm, PN: 16, 40 Bar	Section 15204-Para. 2.2-(A,B,C,D,E)	PD	CONS	SUB	WER			A		April 1, 2014	April 10, 2014		May 10, 2014	April 16, 2014	6	B	
SUB-00018-WER-213-A	Control Valve-Pressure Reducing Valve DN: 50mm	Section 15217-Para. 2.1-C (3,5)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 17, 2014	4	C	
SUB-00018-WER-214-A	Control Valve-Pressure Sustaining Valve DN: 50mm	Section 15217-Para. 2.1-C (2)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 15, 2014	2	C	
SUB-00018-WER-214-B	Control Valve-Pressure Sustaining Valve DN: 50mm	Section 15217-Part 2-2.1-C (2)	PD	CONS	Lab Test	WER			B		April 19, 2014	April 27, 2014		May 27, 2014				
SUB-00018-WER-215-A	Upland Roof Exhaust Fans-Chlorination Room Fans	Section 15830-Para. 2.1 (A,B,C,D,E)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 14, 2014	1	D	
SUB-00018-WER-216-A	Treatment of Surface Defects-Rendroe FC	Section 03300-Para. 3.12-C (1,2)	AD	CONS	SUB	WER			A		April 3, 2014	April 13, 2014		May 13, 2014	April 17, 2014	4	B	
SUB-00018-ARW-217-A	Electrical Builder Drawing For Arraba Balancing Tank	Drawing Nos: PS2E-1-Rev. Program Standard Design	SD	CONS	SUB	ARW			A		April 3, 2014	April 13, 2014		May 13, 2014	April 14, 2014	1	B	
SUB-00018-WER-218-A	Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section 17100-Para. 1.1-E-3(a-c)	AD	CONS	SUB	WER			A		April 13, 2014	April 13, 2014		May 13, 2014				
SUB-00018-ARW-219-A	Alternative Accesses Passage For Field Offices Arraba Well	Drawing Nos: PS2E-1-Rev. Program Standard Design	SD	CONS	SUB	ARW			A		From main contractor directly	April 14, 2014		May 14, 2014	April 20, 2014	6	B	
SUB-00018-WER-220-A	Treatment of Surface Defects-Rendroe H5Xtra	Section 03300-Para. 3.12-D	AD	CONS	SUB	WER			A		April 10, 2014	April 15, 2014		May 15, 2014	April 17, 2014	2	B	
SUB-00018-WER-221-A	Gauging Materials-Polyethylene Sheets	Section 03300-Para. 2.2-D	SMP	CONS	SUB	WER			A		April 12, 2014							Submitted on April 15, 2014 and Retracted on April 21, 2014.
SUB-00018-WER-222-A	Test Report For Natural Sand-Second Trial Mix	Section 03300	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 28, 2014	11	B	
SUB-00018-WER-223-A	Test Report for Reinforcement Steel Bars Φ 22	Section 03200	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 28, 2014	11	B	
SUB-00018-WER-224-A	Fill and Backfill Material Test Report-Base Course	Section 02200-Part 2.1 C-7	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 23, 2014	6	B	
SUB-00018-ARW-225-A	Test Report - Soil Confirmation For Structural Foundations in Arraba Project.	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 20, 2014		May 20, 2014	April 30, 2014	10	B	
SUB-00018-WER-226-A	Test Report for Backfill Material-Sourced from Site Excavations.	Section 02200-Part 2.1	TR	CONS	Lab Test	WER			A		From main contractor directly	April 20, 2014		May 20, 2014	April 28, 2014	8	B	
SUB-00018-SNW-227-A	Revised Work Plan for Sanur Well Development	Sections 02623, 02624 and 02636	AD	CONS	SUB	SNW			A		From main contractor directly	April 20, 2014		May 20, 2014	April 30, 2014	10	B	
SUB-00018-WER-228-A	Miscellaneous Materials-Vapor Retarder (vapor barrier)	Section 03300-Para. 2.4-C	SMP	CONS	SUB	WER			A		April 20, 2014	April 21, 2014		May 21, 2014	April 30, 2014	9	B	
SUB-00018-ARW-229-A	Method Statement for Construction of Arraba Retaining Wall	Section 01300-Part 1.8 B	AD	CONS	SUB	ARW			A		From main contractor directly	April 21, 2014		May 21, 2014	April 30, 2014	9	B	
SUB-00018-WER-230-A	Form and Falsework Materials-Plastic Chamfer Edge Sample.		SMP	CONS	SUB	WER			A		April 10, 2014	April 23, 2014		May 23, 2014	April 30, 2014	7	A	
SUB-00018-WER-231-A	Fill and Backfill Material Requirement Samples	Section 02200-Part 2-(2.1-C)	SMP	CONS	SUB	WER			A		April 24, 2014							Submitted on April 24, 2014 and Retracted on April 30, 2014
SUB-00018-ARW-232-A	Test Report - Soil Bearing Capacity Confirmation For Retaining Wall Footing at Arraba Well Project	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 27, 2014		May 27, 2014	April 30, 2014	3	B	
SUB-00018-WER-233-A	Steel Pipes and Fittings	Section 02570-Para. 1.1-C(1,2), 2.4-A(1,2) and 2.6-C	PD	CONS	SUB	WER			A		April 8, 2014	April 28, 2014		May 28, 2014				
SUB-00018-WER-234-A	Test Report for Concrete Compressive Strength 7-Days at Ya'bad Village for Second Trial Batch Purpose by HCL	Section 03300-Part 1-1.4-C	TR	CONS	Lab Test	WER			A		From main contractor directly	April 28, 2014		May 28, 2014				
SUB-00018-WER-235-A	Reinforcement Steel Spacer for Vertical Elements-Sample	Section 03200-Part 2-2.2-B-1	SMP	CONS	SUB	WER			A		April 22, 2014	April 28, 2014		May 28, 2014	April 30, 2014	2	B	
SUB-00018-ARW-236-A	Test Report on Reinforcement Steel Bars (O16,O22)-Arraba Site	Section 03200-Part 2-2.2-A-1	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 29, 2014		May 29, 2014	April 30, 2014	1	A	
SUB-00018-WER-237-A	Protective Coating-Dekguard FC	Section 09800-Part 2-2.2-O	PD	CONS	SUB	WER			A		April 23, 2014	April 29, 2014		May 29, 2014	April 30, 2014	1	C	
SUB-00018-WER-238-A	Booster-Pump Control Valve	Section 15217-Part 2-2.1-C	PD	CONS	SUB	WER			A		April 26, 2014	April 29, 2014		May 29, 2014				
SUB-00018-ARW-239-A	Degree of Compaction Test Report Under Retaining Wall Foundation Arraba Well	Section 02200-Part 3-3.10-B	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 29, 2014		May 29, 2014	April 30, 2014	1	A	
SUB-00018-SNW-240-A	Sanur Well - Fishing Work Plan	Section 01300-Part 1-1.8-B	AD	CONS	SUB	SNW			A		From main contractor directly	April 29, 2014		May 29, 2014				
SUB-00018-SNW-241-A	Activity Report- Sanur Well Video Logging (2) After Jetting and Airlifting	Section 02623	RPT	CONS	SUB	SNW			A		From main contractor directly	April 30, 2014		May 30, 2014				
SUB-00018-SNW-242-A	Activity Report- Sanur Well Video Logging (1) After Pulling Out Existing VLSST Pump	Section 02623	RPT	CONS	SUB	SNW			A		From main contractor directly	April 30, 2014		May 30, 2014				

## ARW 22.7 Requests for Information Log

**DISCLAIMER:**

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**Request for Information Log**

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-027-A	Booster Control Valves		Section 15217-Par.8		April 9, 2014	April 13, 2014	4	Reviewed	Response to Requested Information: 1. Pressure rating for the Booster Control Valve (BCV) is PN 40 and not PN25. Refer to the valve and equipment schedule in the project design drawings 3M-1 and 4\1-1 for valves pressure ratings. 2. No deviations were made on the specified pressure rating. Specified hydraulic calculations from the manufacturer are for cavitation, sizing and performance verification and are irrelevant to pressure rating determination. 3. BCV selection shall be based on the specified pressure rating, and section 15217/ C/8 of project documents for the components, functionality and features; regardless of manufacturer and/ or model number indicated.	
RFI-18-WER-C-E-028-A	Confirmation on pipes material to be used at balance tanks outlets in Arraba and Sanur pumping stations.			Conformed Drawing-3M-3, 4M-3 & G-7	April 28, 2014			Pending		
RFI-18-WER-C-E-029-A	Using West Bank Water Department (WBWD) video logging camera for bore hole TV survey in Sanur Well.				April 28, 2014			Pending		

## ARW 22.8 Variation Order Request and Variation Order Log

**DISCLAIMER:**

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Task Order: Task Order: 00018-WER  
 Projects: Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements  
 Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

NTP: October 23, 2013  
 NOA: September 25, 2013

VO	Date	Status	Subject	USAID Approval Date	Original Task Order Amount			Previous Task Order Amount			Revised Task Order Amount			Variation Order Change to Day Work	Project Name	Project ID	Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total								

There were no variation orders received during the current reporting Period for Arraba and Sanur Well Pump Stations.

Task Order:	Task Order: 00018-WER	NTP:	October 23, 2013
Projects:	Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements	NOA:	September 25, 2013

**VOR Log**

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			

There were no variation order requests issued during the current reporting period for Arraba and Sanur Well Pump Stations.

## ARW 22.9 Employment Generated Data

**DISCLAIMER:**

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**USAID WEST BANK/ GAZA**  
**INFRASTRUCTURE NEEDS PROGRAM INPII**  
**CONTRACT NO. AID-294-I-00-12-00003**  
**TASK ORDER NO. AID-294-TO-13-00018**  
**Wells Rehabilitation Project-WER**  
**TEMPORARY JOB DAYS REPORT**

**Task Order Name:** Welll Rehabilitation Project  
**Sub-project or Activity Name:** Arraba Well Pump Station  
**CONTRACTOR:** IRD  
**SUBCONTRACTOR:** Al-Abbasi

DATE	Site Staff Job Days **																												
	Worker/Classification (Hours)																				Man-days*								
	Management				Engineers				Skilled labor				Unskilled labor		Other						Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other				
Task Order Manager	Quality Control Manager	Safety & Envt. Manager	Project Manager #1, #2, etc ..	Document Control Engineer(F)	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Forman	Equipment Operator	Flagman	Unskilled Labor	Guard	Janitor (F)	Janitor	Surveyor	Surveyor Assistant	Welder	Geological	Supervisor								
April 1, 2013	4	4	4	12	8	4	4	8	8		8	24		48	16	8	8								3	3	5	6	4
April 2, 2013	4	4	4	12	8	4	4	8	8	16	8		16	24	8	8									3	3	4	2	5
April 3, 2013	4	4	4	12	8	4	4	8	8	16	8	8	16	24	8	8									3	3	5	2	5
April 4, 2013														24											0	0	0	0	3
April 5, 2013	4	4	4	12	8	4	4							24	8	8									3	2	0	0	5
April 6, 2013	4	4	4	12	8	4	4	8	8		16	3	24	24	8	8									3	3	3.375	3	5
April 7, 2013	4	4	4	12	8	4	4	8	8		8	15	32	24	8	8	8	8							3	3	3.875	4	7
April 8, 2013	4	4	4	12	8	4	4	8						24	8	8									3	3	0	0	5
April 9, 2013	4	4	4	12	8	4	4	8	8		16	3	40	24	8	8	8	8							3	3	3.375	5	7
April 10, 2013	4	4	4	12	8	4	4	8	8		16	9	40	24	8	8	8	8							3	3	4.125	5	7
April 11, 2013														24											0	0	0	0	3
April 12, 2013	4	4	4	12	8	4	4	8	8		16	24	40	24	8	8	8	8							3	3	6	5	7
April 13, 2013	4	4	4	12	8	4	4	8	8		8	4	40	24	8	8	8	8							3	3	2.5	5	7
April 14, 2013	4	4	4	12	8	4	4	8	8		8		24	24	8	8	8	8							3	3	2	3	7
April 15, 2013	4	4	4	12	8	4	4	8	8		8	2	8	24	8	8	8	8							3	3	2.25	1	7
April 16, 2013	4	4	4	12	8	4	4	8	8	40	8		24	24	8	8	8	8							3	3	7	3	7
April 17, 2013	4	4	4	12	8	4	4	8	8	40	16	5	24	24	8	8	8	8							3	3	8.625	3	7
April 18, 2013									8	8			16	24											0	0	2	2	3
April 19, 2013	4	4	4	12	8	4	4	8	8	16	8		24	24	8	8	8	8							3	3	4	3	7
April 20, 2013	4	4	4	12	8	4	4	8	8	16	8	8	24	12	8	8	8	8							3	3	5	3	5.5
April 21, 2013	4	4	4	12	8	4	4	8	8	40	8	24	24	24	8	8	8	8							3	3	10	3	7
April 22, 2013	4	4	4	12	8	4	4	8	8	16	8	16	24	24	8	8	8	8							3	3	6	3	7
April 23, 2013	4	4	4	12	8	4	4	8	8	40	8	40	24	24	8	8	8	8							3	3	12	3	7
April 24, 2013	4	4	4	12	8	4	4	8	8		8	32	40	24	8	8	8	8							3	3	6	5	7
April 25, 2013														24											0	0	0	0	3
April 26, 2013	4	4	4	12	8	4	4	8	8	24	8	26	16	24	8	8	8	8							3	3	8.25	2	7
April 27, 2013	4	4	4	12	8	4	4	8	8	24	8	10	16	24	8	8	8	8							3	3	6.25	2	7
April 28, 2013	4	4	4	12	8	4	4	8	8		8	16	32	24	8	8	8	8							3	3	4	4	7
April 29, 2013	4	4	4	12	8	4	4	8	8		8	16	32	12	8	8	8	8							3	3	4	4	5.5
April 30, 2013	4	4	4	12	8	4	4	8	8		8	16	32	24	8	8	8	8							3	3	4	4	7
<b>Total of Month</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>312</b>	<b>208</b>	<b>104</b>	<b>104</b>	<b>200</b>	<b>192</b>	<b>296</b>	<b>240</b>	<b>301</b>	<b>0</b>	<b>680</b>	<b>688</b>	<b>208</b>	<b>208</b>	<b>160</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>77</b>	<b>129</b>	<b>85</b>	<b>178</b>	

**USAID WEST BANK/ GAZA**  
**INFRASTRUCTURE NEEDS PROGRAM INPII**  
**CONTRACT NO. AID-294-I-00-12-00003**  
**TASK ORDER NO. AID-294-TO-13-00018**  
**Wells Rehabilitation Project-WER**  
**Temporay Job Days Summary Report**

Task Order Name: Wells Rehabilitation Project-WER  
 Sub-project or Activity Name: Project 1-ARW Arraba Well Pump Station  
 CONTRACTOR: IRD

PERIOD FROM: Oct-23-2013 (NTP)  
 PERIOD TO:

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
October	2013	5	0	0	0	0	5	0	
November	2013	44	0	4	5	1	53	2	
December	2013	53	21	30	14	27	144	6	
January	2014	65	60	100	55	128	408	17	
February	2014	64	59	57	87	150	417	18	
March	2014	75	78	172	124	149	597	25	
April	2014	78	77	129	85	178	547	23	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							2171	91.20798319	
October	2014						0	0	
November	2014						0	0	
December	2014						0	0	
January	2015						0	0	
February	2015						0	0	
March	2015						0	0	
April	2015						0	0	
May	2015						0	0	
June	2015						0	0	
July	2015						0	0	
August	2015						0	0	
September	2015						0	0	
Total of FY 2015							0	0	

## ARW 22.10 Risk Register Log

**DISCLAIMER:**

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Infrastructure Needs Program INP II  
Task Order No.: TO-294-13-00018  
Project: Wells Rehabilitation and Infrastructure Improvements

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such as 10" pipe and/or the buried electric cables	Delay in work, water shortage , electric shortage, injuries	Contractor	19th of March,2014	2	2	4	No	Yes	Mitigate	During the excavation process, the contractor took all safety measures to avoid hitting or damaging these utilities and coordinated with local authorities to figure out the location of such utilities. Crossing the excavated area of the RW has been supported by steel supporting jacks to avoid bending and breaking of the 10" pipe during pumping process.	IRD	Still existing	
2	Complexity	Archeological discoveries	The risk lies if there is any archeological places in the excavation area	Delay in work	Contractor	Dec, 2013	2	3	6	No	No	Accept	suspected area avoided bending approval from the archeological department	IRD	Finished	
3	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Might Occur	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
4	External	Soil movement or sliding of the cliff at Arraba well	The risk of sliding of cliff or soil movement	Delay in work, injuries, and equipment damage due sliding or rolling the rocks or soil on the station equipment	Contractor	19th March, 2014	2	3	6	No	No	Mitigate	All mitigation and safety measures are taken as detailed in the excavation safety plan	IRD	Finished	

# CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period: April 01-  
April 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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## **Attachments**

<b>SNW 22.1</b>	<b>Updated Schedule- Roll-up and One Month Look Ahead</b>
<b>SNW 22.2</b>	<b>“S” Curve</b>
<b>SNW 22.3</b>	<b>Site Memos Log</b>
<b>SNW 22.4</b>	<b>Material and Equipment Delivered to Site</b>
<b>SNW 22.5</b>	<b>Inspection Requests Log</b>
<b>SNW 22.6</b>	<b>Submittals Log</b>
<b>SNW 22.7</b>	<b>Requests for Information Log</b>
<b>SNW 22.8</b>	<b>Variation Order Request Log</b>
<b>SNW 22.9</b>	<b>Employment Generated Data</b>
<b>SNW 22.10</b>	<b>Risk Register Table</b>

### **DISCLAIMER:**

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## SNW 22.1 Updated Schedule- Roll-up and One Month Look Ahead

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# RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS



01-May-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q							
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
<b>Total</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars for Total]															
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars for RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS]															
<b>Milestones</b>		501	03-May-14	26-Jul-15	144	23-Oct-13		-92	[Gantt bars for Milestones]															
General Milestones		501	20-Jul-15	26-Jul-15	126	23-Oct-13		-92	[Gantt bars for General Milestones]															
Intermediate Milestones		453	03-May-14	01-Jul-15	105	01-Dec-13		-86	[Gantt bars for Intermediate Milestones]															
<b>Mobilization</b>		24			57	24-Oct-13	08-Jan-14		[Gantt bars for Mobilization]															
<b>Submittals</b>		415	03-May-14	26-Jul-15	141	31-Oct-13		0	[Gantt bars for Submittals]															
Pre Construction Submittals		45			115	31-Oct-13	31-Mar-14		[Gantt bars for Pre Construction Submittals]															
Construction Submittals		362	03-May-14	25-May-15	129	14-Nov-13		53	[Gantt bars for Construction Submittals]															
Material Submittals		260	03-May-14	21-Jan-15	90	06-Jan-14		155	[Gantt bars for Material Submittals]															
Civil		260	03-May-14	21-Jan-15	84	07-Jan-14		50	[Gantt bars for Civil]															
Earth Works		77	23-Jun-14	12-Aug-14	10	12-Apr-14		94	[Gantt bars for Earth Works]															
Concrete Works		104	03-May-14	01-Jul-14	46	07-Jan-14		179	[Gantt bars for Concrete Works]															
Roads Works		83	23-Jun-14	14-Oct-14	0			131	[Gantt bars for Roads Works]															
Miscellaneous		127	03-May-14	14-Oct-14	0			129	[Gantt bars for Miscellaneous]															
Building Works		207	03-May-14	21-Jan-15	0			48	[Gantt bars for Building Works]															
Mechanical		152	03-May-14	27-Oct-14	90	06-Jan-14		120	[Gantt bars for Mechanical]															
Local Manufacturer		104	03-May-14	26-Aug-14	66	10-Feb-14		168	[Gantt bars for Local Manufacturer]															
Abroad Manufacturer ( Long Lead Items)		137	03-May-14	27-Oct-14	76	06-Jan-14		-48	[Gantt bars for Abroad Manufacturer]															
Electrical		111	03-May-14	19-Jul-14	56	06-Feb-14		300	[Gantt bars for Electrical]															
Abroad Manufacturer ( Long Lead Items)		85	03-May-14	19-Jul-14	26	13-Mar-14		23	[Gantt bars for Abroad Manufacturer]															
Local Manufacturer		81	03-May-14	08-Jun-14	56	06-Feb-14		330	[Gantt bars for Local Manufacturer]															
Shop Drawings		315	03-May-14	31-Mar-15	106	17-Dec-13		0	[Gantt bars for Shop Drawings]															
Civil		190	03-May-14	27-Oct-14	100	17-Dec-13		121	[Gantt bars for Civil]															
Mechanical		228	03-May-14	19-Feb-15	0			34	[Gantt bars for Mechanical]															
Electrical		295	03-May-14	31-Mar-15	59	20-Feb-14		-7	[Gantt bars for Electrical]															
Methods Statement & Work Plans		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars for Methods Statement & Work Plans]															
Civil		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars for Civil]															
Mechanical		141	08-Jun-14	07-Dec-14	0			80	[Gantt bars for Mechanical]															
Electrical		77	08-Jun-14	17-Sep-14	0			149	[Gantt bars for Electrical]															
Post Construction Submittals		0	26-Jul-15	26-Jul-15	0			0	[Gantt bars for Post Construction Submittals]															
<b>Procurement</b>		292	01-May-14	14-Jun-15	0			-53	[Gantt bars for Procurement]															
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		292	01-May-14	14-Jun-15	0			-53	[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well]															
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars for Donation Number Process]															
Material Order & Manufacture		254	01-May-14	21-Apr-15	0			-53	[Gantt bars for Material Order & Manufacture]															
Mechanical Equipment		254	01-May-14	21-Apr-15	0			-62	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		175	05-May-14	02-Jan-15	0			24	[Gantt bars for Electrical Equipment]															
Material Shipment		253	15-Sep-14	26-May-15	0			-75	[Gantt bars for Material Shipment]															
Mechanical Equipment		207	31-Oct-14	26-May-15	0			-86	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		144	15-Sep-14	06-Feb-15	0			34	[Gantt bars for Electrical Equipment]															
Ashdod Port/Bridge Clearance		185	21-Oct-14	08-Jun-15	0			-60	[Gantt bars for Ashdod Port/Bridge Clearance]															
Mechanical Equipment		148	07-Dec-14	08-Jun-15	0			-69	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		98	21-Oct-14	19-Feb-15	0			27	[Gantt bars for Electrical Equipment]															
Transport to Site (Ashdod Port to Site)		180	02-Nov-14	14-Jun-15	0			-60	[Gantt bars for Transport to Site (Ashdod Port to Site)]															
Mechanical Equipment		143	18-Dec-14	14-Jun-15	0			-69	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		93	02-Nov-14	25-Feb-15	0			27	[Gantt bars for Electrical Equipment]															
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		288	01-May-14	08-Jun-15	0			-54	[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well]															
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars for Donation Number Process]															
Material Order & Manufacture		234	01-May-14	25-Mar-15	0			-44	[Gantt bars for Material Order & Manufacture]															
Mechanical Equipment		234	01-May-14	25-Mar-15	0			-44	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		175	05-May-14	02-Jan-15	0			10	[Gantt bars for Electrical Equipment]															
Material Shipment		182	08-Nov-14	09-May-15	0			-72	[Gantt bars for Material Shipment]															
Mechanical Equipment		172	08-Nov-14	29-Apr-15	0			-62	[Gantt bars for Mechanical Equipment]															

- ( New Bar )
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Roll Up Schedule - April, 2014

Date	Revision	Checked	Approved
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...







# RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS



01-May-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q																		
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N			
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>																																				
<b>Milestones</b>																																				
<b>Intermediate Milestones</b>																																				
MS00065	Start of Infrastructure Improvement for Sanour Well Pump Station	0	03-May-14		0			-27																												
MS00068	Completion of Rehabilitation for Sanour Well Pump Station	0		20-May-14	0			-49																												
<b>Submittals</b>																																				
<b>Construction Submittals</b>																																				
<b>Material Submittals</b>																																				
<b>Civil</b>																																				
<b>Building Works</b>																																				
CS760	Prep.&Submit Sealants Caulking & Grout- Product Data & Sample	7	03-May-14	10-May-14	0			-19																												
<b>Mechanical</b>																																				
<b>Abroad Manufacturer ( Long Lead Items)</b>																																				
CS291	Prep&Submit Horizontal Louver Blinds - Sample	5	03-May-14	07-May-14	0			-21																												
<b>Electrical</b>																																				
<b>Abroad Manufacturer ( Long Lead Items)</b>																																				
CS1150	Prep.&Submit Padmounted Transformers - Product Data	5	03-May-14	07-May-14	0			-36																												
CS1170	Prep.&Submit Variable Frequency Drive Units 400V - Product Data	5	03-May-14	07-May-14	0			-55																												
CS1280	Prep.&Submit PLC-Based Control Systems Hardware&Software - Product Data	5	03-May-14	07-May-14	0			-71																												
CS1290	Prep.&Submit In-Line Flow Measuring Systems - Product Data	5	03-May-14	07-May-14	0			-61																												
CS1300	Prep.&Submit Liquid Flow Detection Devices - Product Data	5	03-May-14	07-May-14	0			-61																												
CS1350	Prep.&Submit Analyzer Measuring Systems - Product Data&Certificates	5	03-May-14	07-May-14	0			-47																												
CS1360	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates	5	03-May-14	07-May-14	0			-47																												
<b>Shop Drawings</b>																																				
<b>Execution Phase</b>																																				
<b>Project 1 Arraba Well Pump Station Rehabilitation &amp; Infrastructure Improvements</b>																																				
<b>Design Review After Well Development Results</b>																																				
P1-CS210	Design Review for arrabeh Well	120	01-May-14	29-Aug-14	0			-85																												
<b>Delays Due to Geophysical Logging Final Acceptance</b>																																				
Delay-0010	Delays in Geophysical Final Acceptance	1	01-May-14	01-May-14	48	14-Mar-14		-85																												
<b>P1 - Arraba Well Pump Station Infrastructure Improvement</b>																																				
<b>Demolishing, Site Development, Apply Safety Measurements&amp;Site Preparation</b>																																				
P1-DEMO-000020	Erosion & Sediment Control Systems	10	03-May-14	13-May-14	0			-42																												
P1-DEMO-000030	Miscellaneous Excavation	3	03-May-14	03-May-14	38	18-Mar-14		-42																												
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	03-May-14	05-May-14	0			-42																												
<b>Construction of New Pump Station</b>																																				
<b>Balance Tank 1000 m3</b>																																				
<b>Civil &amp; Structural Works</b>																																				
P1-BT-000010	Apply Safety Measurement/Excavation to the Required Depth for the Base slab	10	03-May-14	13-May-14	0			-42																												
P1-BT-000020	Supply and Spread 25cm B/C With Compaction Test & under ground Piping (Perforated Pipes)	10	14-May-14	25-May-14	0			-42																												
P1-BT-000030	Casting Lean Concrete Under Balance Tank	1	26-May-14	26-May-14	0			-42																												
P1-BT-000040	Concrete Curing	7	27-May-14	03-Jun-14	0			-42																												
P1-BT-000050	Form/Steel Rebars for Base Slab/Installing Water Stop	20	27-May-14	18-Jun-14	0			-42																												
<b>Project 2 Sanur Well Pump Stations Rehabilitation &amp; Infrastructure Improvements</b>																																				
<b>P2 - Sanur Well Pump Station Rehabilitation</b>																																				
P2-DEV-110	Well Development, Logging and Water Sampling	9	01-May-14	08-May-14	8	23-Apr-14		-71																												
P2-DEV-115	Well Yield Testing, Logging Per Specification	10	08-May-14	18-May-14	0			-71																												
P2-DEV-120	Restoration & Rig.Demobilization	2	18-May-14	20-May-14	0			-49																												
<b>Delay due to Fishing-Extraction of Fallen Strainer from Sanur Well</b>																																				

<ul style="list-style-type: none"> <li>( New Bar )</li> <li>Actual Work</li> <li>Remaining Work</li> <li>Critical Remaining Work</li> <li>◆ Milestone</li> </ul>	<p>Summary</p>	<p><b>One Month Look Ahead</b></p>	<table border="1"> <thead> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr> <td>23-Apr-14</td> <td>Sr.Planning Eng.M. AbuSha...</td> <td>CM/Deputy Prog.Iv...</td> <td>Naim Mani-Prog Direc...</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date	Revision	Checked	Approved	23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...								
Date	Revision	Checked	Approved																
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...																



## SNW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

**TASK ORDER NO. AID-294-TO-13-00018**

**TASK ORDER NO. AID-294-TO-13-00018**

**PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements**

	USD
Total Contract Value Less Day Work:	\$6,516,970.57
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements**

	USD
Total Contract Value Less Day Work:	\$7,011,251.36
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 3 Saadeh Well Pump Station - Rehabilitation**

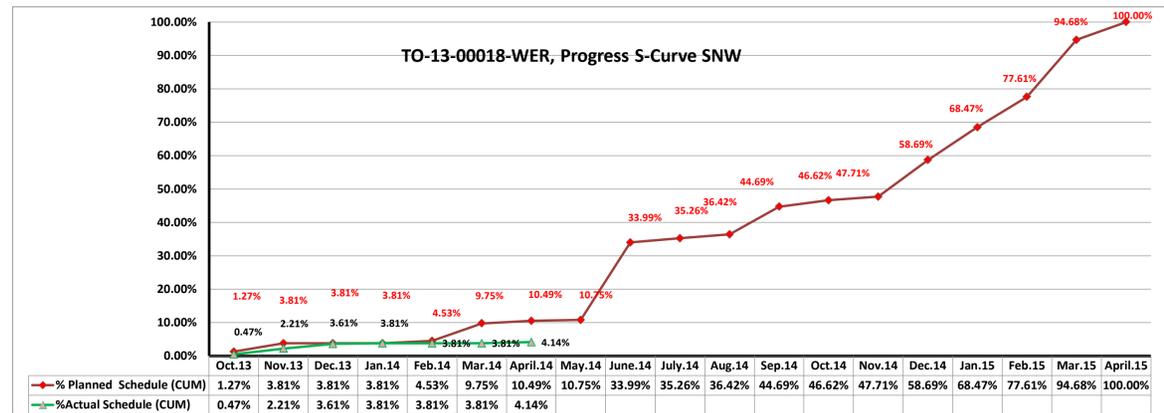
	USD
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	120 CD
Completion Date:	19-Feb-14
Revised Completion Date:	11-Mar-14
Data Date:	

**TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)**

	USD
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,556.73
Day Work Value:	\$817,300.18
Total Contract Value Including Day Work:	\$14,721,856.91

**PROGRESS S-CURVE & CASH FLOW SCHEDULE**

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	TOTAL
Planned Schedule Value	\$89,031.76	\$178,063.52	\$0.00	\$0.00	\$50,174.31	\$366,069.78	\$52,054.25	\$18,529.80	\$1,629,422.14	\$88,484.74	\$81,638.67	\$580,138.98	\$134,972.72	\$76,571.56	\$769,741.05	\$685,807.25	\$641,052.45	\$1,196,820.69	\$372,677.69	\$7,011,251.36
Planned Schedule Value (CUM)	\$77,902.79	\$267,095.28	\$281,908.05	\$315,880.76	\$375,724.65	\$725,517.34	\$898,695.58	\$934,835.75	\$1,243,541.31	\$1,761,611.80	\$2,601,559.21	\$3,021,324.71	\$3,702,761.95	\$6,261,674.86	\$6,639,899.51	\$6,908,943.42	\$7,011,251.35	\$7,011,251.35	\$7,011,251.35	\$7,011,251.35
Actual Schedule Value	\$32,801.17	\$121,832.94	\$98,403.52	\$14,057.65	\$0.00	\$0.00	\$22,917.57													
Actual Schedule Value (CUM)	\$32,801.17	\$154,634.11	\$253,037.63	\$267,095.28	\$267,095.28	\$267,095.28	\$290,012.85													
% Planned Schedule	1.27%	2.54%	0.00%	0.00%	0.72%	5.22%	0.74%	0.26%	23.24%	1.26%	1.16%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%	100%
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	9.75%	10.49%	10.75%	33.99%	35.26%	36.42%	44.69%	46.62%	47.71%	58.69%	68.47%	77.61%	94.68%	100.00%	100%
% Actual Schedule	0.47%	1.74%	1.40%	0.20%	0.00%	0.00%	0.33%													
% Actual Schedule (CUM)	0.47%	2.21%	3.61%	3.81%	3.81%	3.81%	4.14%													



## SNW 22.3 Site Memos Log

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**Site Memoranda From Engineer To Contractor (SM)**

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-002	<p>Reference is made to our technical meeting held on April 13, 2014, at the program office in Ramallah with BV well specialist; IRD is requested to proceed with the rehabilitation activities in full compliance with project requirements noting the following exceptions:</p> <p>1- IRD to supply additional temporary Balancing Tank to allow pumping water to the communities during specified pumping tests.            2- Dynamic logs to be eliminated.            3- IRD to work multiple shifts (24/7).            IRD to submit VOR and revised work plan to capture the additions and omissions based on the above.            This is for your kind action.</p>	April 14, 2014		This regards Sanur Well
SM-13-00018-WER-E-C-003	<p>Pulling up of Sanur well existing VLST pump/Reference is made to the above mentioned subject, and to the present construction activities on site, CMC had observed a damaged oil educator pipe that was damaged during pulling up of the Existing Well VLST Pump.            Such damaged pipe is not accepted and the contractor is fully responsible for the damages, and accordingly the contractor shall repair or pay to the utility owner for the repair of the damage pipe or replace the damaged pipe according to Specs. Sec. 01640, Para. 1.8-A, B and Specs. Sec. 01040 Para. 1.2-A and Para. 1.3-B.</p>	April 23, 2014		This regards Sanur Well

## SNW 22.4 Material or Equipment Delivered to Site Log

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## Material Log

<b>Task Order:</b>	AID-294-TO-13-00018
<b>Project:</b>	Wells Rehabilitation Project
<b>Sub-project</b>	Sanur Well Pump Station Rehabilitation and Infrastructure Improvements

Item	Date	Description	Oty	Location
------	------	-------------	-----	----------

There were no materials supplied to site during the current reporting period for Sanur Well Pump Station project.

## Equipment Log

<b>Task Order:</b>		AID-294-TO-13-00018			
<b>Project:</b>		Wells Rehabilitation Project			
<b>Sub-project</b>		Sanur Well Pump Station Rehabilitation & Infrastructure Improvements			
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	April 1, 2014	Rig			1
2		JCB Back Hole-1993	1	2	
3		Generator Set			1
4		Crane	1	8	
5	April 2, 2014	Rig			1
6		Generator Set			1
7	April 3, 2014	Rig			1
8		JCB Back Hole-1993			1
9		Mercedes 416-2002	1	8	
10		Generator Set			1
11	April 4, 2014	Rig			1
12		JCB Back Hole-1993			1
13		Generator Set			1
15	April 5, 2014	Rig			1
16		JCB Back Hole-1993			1
17		Generator Set			1
19	April 6, 2014	Rig			1
20		JCB Back Hole-1993			1
21		Generator Set			1
22	April 7, 2014	Rig			1
23		JCB Back Hole-1993			1
25		Generator Set			1
26	April 8, 2014	Rig			1
27		JCB Back Hole-1993			1
28		Generator Set			1
29		Mercedes 416-2002	1	8	
30	April 9, 2014	Rig			1
31		JCB Back Hole-1993			1
32		Generator Set			1
33	April 10, 2014	Rig			1
34		JCB Back Hole-1993			1
35		Generator Set			1
36	April 11, 2014	Rig			1
37		JCB Back Hole-1993			1
39		Generator Set			1
40	April 12, 2014	Rig			1
41		JCB Back Hole-1993			1
42		Generator Set			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
43	April 13, 2014	Rig			1
44		JCB Back Hole-1993			1
45		Generator Set			1
46	April 14, 2014	Rig			1
47		JCB Back Hole-1993			1
48		Generator Set			1
49		Mitsubishi L200-2007	1	8	
50	April 15, 2014	Rig			1
51		JCB Back Hole-1993			1
52		Generator Set			1
53		Mitsubishi L200-2007	1	8	
54		Tractor with sprayer	1	8	
55	April 16, 2014	Rig			1
56		JCB Back Hole-1993			1
57		Generator Set			1
58		Mitsubishi L200-2007	1	8	
59	April 17, 2014	Rig			1
60		JCB Back Hole-1993			1
61		Generator Set			1
62		Mitsubishi L200-2007	1	8	
63	April 18, 2014	Rig			1
64		JCB Back Hole-1993			1
65		Generator Set			1
66		Level	1	8	
67		Total Station	1	8	
68	April 19, 2014	Rig	1	12	
69		JCB Back Hole-1993			1
70		Generator Set			1
71		Mitsubishi L200-2007	1	12	
72		Crane	1	12	
73	April 20, 2014	Rig	1	24	
74		JCB Back Hole-1993			1
75		Generator Set			1
76		Mitsubishi L200-2007	1	12	
77		Crane	1	24	
78	April 21, 2014	Rig	1	24	
79		JCB Back Hole-1993			1
80		Generator Set			1
81		Mitsubishi L200-2007	1	12	
82		Crane	1	24	
83	April 22, 2014	Rig	1	24	
84		JCB Back Hole-1993			1
85		Generator Set			1
86		Mitsubishi L200-2007	1	24	
87		Crane	1	24	
88	April 23, 2014	Rig	1	24	
89		JCB Back Hole-1993			1
90		Generator Set			1
91		Mitsubishi L200-2007	1	24	
92		Crane	1	24	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
93	April 24, 2014	Rig	1	24	
94		JCB Back Hole-1993			1
95		Generator Set			1
96		Mitsubishi L200-2007	1	24	
97		Crane	1	24	
98	April 25, 2014	Rig	1	24	
99		JCB Back Hole-1993			1
100		Generator Set			1
101		Mitsubishi L200-2007	1	24	
102		Crane	1	24	
103	April 26, 2014	Rig	1	24	
104		JCB Back Hole-1993			1
105		Generator Set			1
106		Mitsubishi L200-2007	1	24	
107		Crane	1	24	
108	April 27, 2014	Rig	1	24	
109		JCB Back Hole-1993			1
110		Generator Set			1
111		Mitsubishi L200-2007	1	24	
112		Crane	1	24	
113	April 28, 2014	Rig	1	24	
114		JCB Back Hole-1993			1
115		Generator Set			1
116		Mitsubishi L200 -2007	1	24	
117		Crane	1	24	
118	April 29, 2014	Rig			1
119		JCB Back Hole-1993			1
120		Generator Set			1
121		Mitsubishi L200 -2007	1	8	

## SNW 22.5 Inspection Requests Log

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	<b>Color</b>	<b>Response Index</b>
		Amend-Resubmit
		Pending
		Make Correction Noted

**Inspection Requests Log**  
**IRD/BV**

Task Order: AID-294-TO-13-00018  
 Project: Wells Rehabilitation Project  
 Sender/ Recipient: IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-SNW-004-B	April 2, 2014	April 3, 2014	Inspecting site and equipment preparations prior to well shutdown	April 3, 2014	No Exceptions Noted		
IR-13-00018-SNW-005-A	April 29, 2014	April 30, 2014	Inspecting the fabricated fishing tool at Sanur well	April 30, 2014	No Exceptions Noted		

## SNW 22.6 Submittals Log

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Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-211-A	Debris Stop Gate and Mud Gate	Drawing No: PS2S-1-Rev. General Design Drawings	PD	CONS	SUB	WER			A		March 31, 2014	April 10, 2014		May 10, 2014	April 15, 2014	5	B	
SUB-00018-WER-212-A	Ball Valve DN: 15, 25 mm, PN: 16, 40 Bar	Section 15204-Para. 2.2-(A,B,C,D,E)	PD	CONS	SUB	WER			A		April 1, 2014	April 10, 2014		May 10, 2014	April 16, 2014	6	B	
SUB-00018-WER-213-A	Control Valve-Pressure Reducing Valve DN: 50mm	Section 15217-Para. 2.1-C (3,5)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 17, 2014	4	C	
SUB-00018-WER-214-A	Control Valve-Pressure Sustaining Valve DN: 50mm	Section 15217-Para. 2.1-C (2)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 15, 2014	2	C	
SUB-00018-WER-214-B	Control Valve-Pressure Sustaining Valve DN: 50mm	Section 15217-Part 2-2.1-C (2)	PD	CONS	Lab Test	WER			B		April 19, 2014	April 27, 2014		May 27, 2014				
SUB-00018-WER-215-A	Uplast Roof Exhaust Fans-Chlorination Room Fans	Section 15830-Para. 2.1 (A,B,C,D,E)	PD	CONS	SUB	WER			A		April 1, 2014	April 13, 2014		May 13, 2014	April 14, 2014	1	D	
SUB-00018-WER-216-A	Treatment of Surface Defects-Rendroe FC	Section 03300-Para. 3.12-C (1,2)	AD	CONS	SUB	WER			A		April 3, 2014	April 13, 2014		May 13, 2014	April 17, 2014	4	B	
SUB-00018-ARW-217-A	Electrical Builder Drawing For Arraba Balancing Tank	Drawing No: PS2E-1-Rev. Program Standard Design	SD	CONS	SUB	ARW			A		April 3, 2014	April 13, 2014		May 13, 2014	April 14, 2014	1	B	
SUB-00018-WER-218-A	Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section 17100-Para. 1.1-E-3(a-c)	AD	CONS	SUB	WER			A		April 13, 2014	April 13, 2014		May 13, 2014				
SUB-00018-ARW-219-A	Alternative Accesses Passage For Field Offices Arraba Well	Drawing No: PS2E-1-Rev. Program Standard Design	SD	CONS	SUB	ARW			A		From main contractor directly	April 14, 2014		May 14, 2014	April 20, 2014	6	B	
SUB-00018-WER-220-A	Treatment of Surface Defects-Rendroe H5Xtra	Section 03300-Para. 3.12-D	AD	CONS	SUB	WER			A		April 10, 2014	April 15, 2014		May 15, 2014	April 17, 2014	2	B	
SUB-00018-WER-221-A	Gauging Materials-Polyethylene Sheets	Section 03300-Para. 2.2-D	SMP	CONS	SUB	WER			A		April 12, 2014							Submitted on April 15, 2014 and Retracted on April 21, 2014.
SUB-00018-WER-222-A	Test Report For Natural Sand-Second Trial Mix	Section 03300	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 28, 2014	11	B	
SUB-00018-WER-223-A	Test Report for Reinforcement Steel Bars Φ 22	Section 03200	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 28, 2014	11	B	
SUB-00018-WER-224-A	Fill and Backfill Material Test Report-Base Course	Section 02200-Part 2.1 C-7	TR	CONS	Lab Test	WER			A		From main contractor directly	April 17, 2014		May 17, 2014	April 23, 2014	6	B	
SUB-00018-ARW-225-A	Test Report - Soil Confirmation For Structural Foundations in Arraba Project.	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 20, 2014		May 20, 2014	April 30, 2014	10	B	
SUB-00018-WER-226-A	Test Report for Backfill Material-Sourced from Site Excavations.	Section 02200-Part 2.1	TR	CONS	Lab Test	WER			A		From main contractor directly	April 20, 2014		May 20, 2014	April 28, 2014	8	B	
SUB-00018-SNW-227-A	Revised Work Plan for Sanur Well Development	Sections 02623, 02624 and 02636	AD	CONS	SUB	SNW			A		From main contractor directly	April 20, 2014		May 20, 2014	April 30, 2014	10	B	
SUB-00018-WER-228-A	Miscellaneous Materials-Vapor Retarder (vapor barrier)	Section 03300-Para. 2.4-C	SMP	CONS	SUB	WER			A		April 20, 2014	April 21, 2014		May 21, 2014	April 30, 2014	9	B	
SUB-00018-ARW-229-A	Method Statement for Construction of Arraba Retaining Wall	Section 01300-Part 1.8 B	AD	CONS	SUB	ARW			A		From main contractor directly	April 21, 2014		May 21, 2014	April 30, 2014	9	B	
SUB-00018-WER-230-A	Form and Falsework Materials-Plastic Chamfer Edge Sample.		SMP	CONS	SUB	WER			A		April 10, 2014	April 23, 2014		May 23, 2014	April 30, 2014	7	A	
SUB-00018-WER-231-A	Fill and Backfill Material Requirement Samples	Section 02200-Part 2-(2.1-C)	SMP	CONS	SUB	WER			A		April 24, 2014							Submitted on April 24, 2014 and Retracted on April 30, 2014
SUB-00018-ARW-232-A	Test Report - Soil Bearing Capacity Confirmation For Retaining Wall Footing at Arraba Well Project	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 27, 2014		May 27, 2014	April 30, 2014	3	B	
SUB-00018-WER-233-A	Steel Pipes and Fittings	Section 02570-Para. 1.1-C(1,2), 2.4-A(1,2) and 2.6-C	PD	CONS	SUB	WER			A		April 8, 2014	April 28, 2014		May 28, 2014				
SUB-00018-WER-234-A	Test Report for Concrete Compressive Strength 7-Days at Ya'bad Village for Second Trial Batch Purpose by HCL	Section 03300-Part 1-1.4-C	TR	CONS	Lab Test	WER			A		From main contractor directly	April 28, 2014		May 28, 2014				
SUB-00018-WER-235-A	Reinforcement Steel Spacer for Vertical Elements-Sample	Section 03200-Part 2-2.2-B-1	SMP	CONS	SUB	WER			A		April 22, 2014	April 28, 2014		May 28, 2014	April 30, 2014	2	B	
SUB-00018-ARW-236-A	Test Report on Reinforcement Steel Bars (O16,O22)-Arraba Site	Section 03200-Part 2-2.2-A-1	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 29, 2014		May 29, 2014	April 30, 2014	1	A	
SUB-00018-WER-237-A	Protective Coating-Dekguard FC	Section 09800-Part 2-2.2-O	PD	CONS	SUB	WER			A		April 23, 2014	April 29, 2014		May 29, 2014	April 30, 2014	1	C	
SUB-00018-WER-238-A	Booster-Pump Control Valve	Section 15217-Part 2-2.1-C	PD	CONS	SUB	WER			A		April 26, 2014	April 29, 2014		May 29, 2014				
SUB-00018-ARW-239-A	Degree of Compaction Test Report Under Retaining Wall Foundation Arraba Well	Section 02200-Part 3-3.10-B	TR	CONS	Lab Test	ARW			A		From main contractor directly	April 29, 2014		May 29, 2014	April 30, 2014	1	A	
SUB-00018-SNW-240-A	Sanur Well - Fishing Work Plan	Section 01300-Part 1-1.8-B	AD	CONS	SUB	SNW			A		From main contractor directly	April 29, 2014		May 29, 2014				
SUB-00018-SNW-241-A	Activity Report- Sanur Well Video Logging (2) After Jetting and Airlifting	Section 02623	RPT	CONS	SUB	SNW			A		From main contractor directly	April 30, 2014		May 30, 2014				
SUB-00018-SNW-242-A	Activity Report- Sanur Well Video Logging (1) After Pulling Our Existing VLSST Pump	Section 02623	RPT	CONS	SUB	SNW			A		From main contractor directly	April 30, 2014		May 30, 2014				

## SNW 22.7 Requests for Information Log

**DISCLAIMER:**

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

**Request for Information Log**

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-027-A	Booster Control Valves		Section 15217-Par.8		April 9, 2014	April 13, 2014	4	Reviewed	Response to Requested Information: 1. Pressure rating for the Booster Control Valve (BCV) is PN 40 and not PN25. Refer to the valve and equipment schedule in the project design drawings 3M-1 and 4\1-1 for valves pressure ratings. 2. No deviations were made on the specified pressure rating. Specified hydraulic calculations from the manufacturer are for cavitation, sizing and performance verification and are irrelevant to pressure rating determination. 3. BCV selection shall be based on the specified pressure rating, and section 15217/ C/8 of project documents for the components, functionality and features; regardless of manufacturer and/ or model number indicated.	
RFI-18-WER-C-E-028-A	Confirmation on pipes material to be used at balance tanks outlets in Arraba and Sanur pumping stations.			Conformed Drawing-3M-3, 4M-3 & G-7	April 28, 2014			Pending		
RFI-18-WER-C-E-029-A	Using West Bank Water Department (WBWD) video logging camera for bore hole TV survey in Sanur Well.				April 28, 2014			Pending		

## SNW 22.8 Variation Order Request and Variation Order Log

**DISCLAIMER:**

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

Task Order: Task Order: 00018-WER  
 Projects: Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements  
 Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

NTP: October 23, 2013  
 NOA: September 25, 2013

VO	Date	Status	Subject	USAID Approval Date	Original Task Order Amount			Previous Task Order Amount			Revised Task Order Amount			Variation Order Change to Day Work	Project Name	Project ID	Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total								

There were no variation orders received during the current reporting Period for Arraba and Sanur Well Pump Stations.

<b>Task Order:</b>	<b>Task Order: 00018-WER</b>	<b>NTP:</b> October 23, 2013
<b>Projects:</b>	Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements	<b>NOA:</b> September 25, 2013

**VOR Log**

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			

There were no variation order requests issued during the current reporting period for Arraba and Sanur Well Pump Stations.

## SNW 22.9 Employment Generated Data

**DISCLAIMER:**

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**USAID WEST BANK/ GAZA**  
**INFRASTRUCTURE NEEDS PROGRAM INPII**  
**CONTRACT NO. AID-294-I-00-12-00003**  
**TASK ORDER NO. AID-294-TO-13-00018**  
**Wells Rehabilitation Project-WER**  
**TEMPORARY JOB DAYS REPORT**

Task Order Name: Wells Rehabilitation Project-WER  
 Sub-project or Activity Name: Project 2- Sanur Pump Station  
 CONTRACTOR: IRD  
 SUBCONTRACTOR: Al Abbasi Company

DATE	Site Staff Job Days **																							Man-days*				
	Worker/Classification (Hours)																				Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other			
	Management				Engineers				Skilled labor			Unskilled labor		Other														
Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc ..	Document Control Engineer(F)	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Forman	Equipment Operator	Flagman	Unskilled Labor	Guard	Janitor (F)	Janitor	Surveyor	Surveyor Assistant	Welders	Geologist	Rig Supervisor							
April 1, 2013	4	4	4	12	8	4	4		32	16	10		16	16	8	8				8	8	3	2	7.25	2	6		
April 2, 2013	4	4	4	12	8	4	4			16				24	8	8				2		3	2	2	0	5.25		
April 3, 2013	4	4	4	12	8	4	4			4				24	8	8				2		3	2	0.5	0	5.25		
April 4, 2013														24								0	0	0	0	3		
April 5, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 6, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 7, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 8, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 9, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 10, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 11, 2013														24								0	0	0	0	3		
April 12, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 13, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 14, 2013	4	4	4	12	8	4	4		8	8			8	24	8	8						3	2	2	1	5		
April 15, 2013	4	4	4	12	8	4	4		40	16			32	24	8	8				8		3	2	7	4	6		
April 16, 2013	4	4	4	12	8	4	4		8				16	24	8	8						3	2	1	2	5		
April 17, 2013	4	4	4	12	8	4	4							24	8	8						3	2	0	0	5		
April 18, 2013														24		8	8	8				0	0	0	0	6		
April 19, 2013	4	4	4	12	8	4	4		82	12	12		48	24	8	8				12	12	3	2	13.25	6	8		
April 20, 2013	4	4	4	12	8	4	4	12	12	96	24	24		216	24	8	8			24	24	3	3.5	19.5	27	11		
April 21, 2013	4	4	4	12	8	4	4	12	12	96	24	24		216	24	8	8			24	24	3	3.5	19.5	27	11		
April 22, 2013	4	4	4	12	8	4	4	12	12	96	24	24		144	24	8	8			24	24	3	3.5	19.5	18	11		
April 23, 2013	4	4	4	12	8	4	4	12	12	82	24	24		168	24	8	8			24	24	3	3.5	17.75	21	11		
April 24, 2013	4	4	4	12	8	4	4	12	12	82	24	24		48	24	8	8			24	24	3	3.5	17.75	6	11		
April 25, 2013				8				12	12	82	24	24		48	24	8	8			24	24	1	1.5	17.75	6	11		
April 26, 2013	4	4	4	12	8	4	4	12	24	48	24	24		96	24	8	8			24	24	3	3.5	15	12	11		
April 27, 2013	4	4	4	12	8	4	4	12	24	48	24	24		96	24	8	8			24	24	3	3.5	15	12	11		
April 28, 2013	4	4	4	12	8	4	4	12	12	48	24	24		96	24	8	8			12	24	3	3.5	13.5	12	9.5		
April 29, 2013	4	4	4	12	8	4	4	8		1	8			2	24	8	8			1		3	3	1.125	0.25	5.125		
April 30, 2013	4	4	4	12	8	4	4	12	12	24	12	1		48	24	8	8			12	12	3	3.5	6.125	6	8		
<b>Total of Month</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>320</b>	<b>208</b>	<b>104</b>	<b>104</b>	<b>128</b>	<b>144</b>	<b>873</b>	<b>308</b>	<b>239</b>	<b>0</b>	<b>1298</b>	<b>712</b>	<b>216</b>	<b>224</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>249</b>	<b>248</b>	<b>79</b>	<b>68</b>	<b>195.5</b>	<b>162.25</b>	<b>208.13</b>	

**USAID WEST BANK/ GAZA**  
**INFRASTRUCTURE NEEDS PROGRAM INPII**  
**CONTRACT NO. AID-294-I-00-12-00003**  
**TASK ORDER NO. AID-294-TO-13-00018**  
**Wells Rehabilitation Project-WER**  
**Temporay Job Days Summary Report**

Task Order Name: Wells Rehabilitation Project-WER  
 Sub-project or Activity Name: Project 2-SNW Sanur Well Pump Station  
 CONTRACTOR: IRD

PERIOD FROM: Oct-23-2013 (NTP)  
 PERIOD TO:

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
October	2013	0	0	0	0	0	0	0	
November	2013	36	0	4	7	3	50	2	
December	2013	45	14	9	3	24	95	4	
January	2014	65	39	3	2	93	202	8	
February	2014	60	36	0	0	93	189	8	
March	2014	75	49	3	6	111	243	10	
April	2014	79	68	196	162	208	713	30	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							1491	62.63655462	
October	2014						0	0	
November	2014						0	0	
December	2014						0	0	
January	2015						0	0	
February	2015						0	0	
March	2015						0	0	
April	2015						0	0	
May	2015						0	0	
June	2015						0	0	
July	2015						0	0	
August	2015						0	0	
September	2015						0	0	
Total of FY 2015							0	0	

## SNW 22.10 Risk Register Log

**DISCLAIMER:**

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Infrastructure Needs Program INP II  
 Task Ordre No.: TO-294-13-00018  
 Project: Sanur Well Rehabilitation and improvement

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Owner	Postponement of Sanur well shut down by the client, which will result in delays to pull out the existing well pump.	As per coordination with WBWD it was scheduled to take Sanur well out of service on 29 <sup>th</sup> of Mar, 2014, but WBWD postponed turning off the well to 31 <sup>st</sup> of Mar,2014. However, on 31 <sup>st</sup> of Mar, 2014, WBWD didn't shut down the well due to objection from benefited Municipalities. This will cause delays in pulling out existing vertical lines shaft well pump, hence delays in performed the whole well development process.	Delay in pulling out existing pump. Delay in performing well development activities. Accordingly delay in the whole project.	IRD	29th of Mar, 2014	3	3	9	yes	yes	Transfer	The client (WBWD) and CMC notified on this issue by writing. WBWD did not come back with a solution.	Owner	Finished	

# CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period:

**April 01 - April 30, 2014**

PROJECT 3-SAADEH WELL REHABILITATION-SDW

**DISCLAIMER:**

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## Attachments

SDW 22.1 Updated Schedule- Roll-up  
SDW 22.2 "S" Curve  
SDW 22.3 Submittals Log

### **DISCLAIMER:**

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## SDW 22.1 Updated Schedule- Roll-up

**DISCLAIMER:**

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# RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS



01-May-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q							
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
<b>Total</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars for Total]															
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>		365	01-May-14	26-Jul-15	136	23-Oct-13		0	[Gantt bars for RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS]															
<b>Milestones</b>		501	03-May-14	26-Jul-15	144	23-Oct-13		-92	[Gantt bars for Milestones]															
General Milestones		501	20-Jul-15	26-Jul-15	126	23-Oct-13		-92	[Gantt bars for General Milestones]															
Intermediate Milestones		453	03-May-14	01-Jul-15	105	01-Dec-13		-86	[Gantt bars for Intermediate Milestones]															
<b>Mobilization</b>		24			57	24-Oct-13	08-Jan-14		[Gantt bars for Mobilization]															
<b>Submittals</b>		415	03-May-14	26-Jul-15	141	31-Oct-13		0	[Gantt bars for Submittals]															
Pre Construction Submittals		45			115	31-Oct-13	31-Mar-14		[Gantt bars for Pre Construction Submittals]															
Construction Submittals		362	03-May-14	25-May-15	129	14-Nov-13		53	[Gantt bars for Construction Submittals]															
Material Submittals		260	03-May-14	21-Jan-15	90	06-Jan-14		155	[Gantt bars for Material Submittals]															
Civil		260	03-May-14	21-Jan-15	84	07-Jan-14		50	[Gantt bars for Civil]															
Earth Works		77	23-Jun-14	12-Aug-14	10	12-Apr-14		94	[Gantt bars for Earth Works]															
Concrete Works		104	03-May-14	01-Jul-14	46	07-Jan-14		179	[Gantt bars for Concrete Works]															
Roads Works		83	23-Jun-14	14-Oct-14	0			131	[Gantt bars for Roads Works]															
Miscellaneous		127	03-May-14	14-Oct-14	0			129	[Gantt bars for Miscellaneous]															
Building Works		207	03-May-14	21-Jan-15	0			48	[Gantt bars for Building Works]															
Mechanical		152	03-May-14	27-Oct-14	90	06-Jan-14		120	[Gantt bars for Mechanical]															
Local Manufacturer		104	03-May-14	26-Aug-14	66	10-Feb-14		168	[Gantt bars for Local Manufacturer]															
Abroad Manufacturer ( Long Lead Items)		137	03-May-14	27-Oct-14	76	06-Jan-14		-48	[Gantt bars for Abroad Manufacturer]															
Electrical		111	03-May-14	19-Jul-14	56	06-Feb-14		300	[Gantt bars for Electrical]															
Abroad Manufacturer ( Long Lead Items)		85	03-May-14	19-Jul-14	26	13-Mar-14		23	[Gantt bars for Abroad Manufacturer]															
Local Manufacturer		81	03-May-14	08-Jun-14	56	06-Feb-14		330	[Gantt bars for Local Manufacturer]															
Shop Drawings		315	03-May-14	31-Mar-15	106	17-Dec-13		0	[Gantt bars for Shop Drawings]															
Civil		190	03-May-14	27-Oct-14	100	17-Dec-13		121	[Gantt bars for Civil]															
Mechanical		228	03-May-14	19-Feb-15	0			34	[Gantt bars for Mechanical]															
Electrical		295	03-May-14	31-Mar-15	59	20-Feb-14		-7	[Gantt bars for Electrical]															
Methods Statement & Work Plans		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars for Methods Statement & Work Plans]															
Civil		362	03-May-14	25-May-15	115	14-Nov-13		-42	[Gantt bars for Civil]															
Mechanical		141	08-Jun-14	07-Dec-14	0			80	[Gantt bars for Mechanical]															
Electrical		77	08-Jun-14	17-Sep-14	0			149	[Gantt bars for Electrical]															
Post Construction Submittals		0	26-Jul-15	26-Jul-15	0			0	[Gantt bars for Post Construction Submittals]															
<b>Procurement</b>		292	01-May-14	14-Jun-15	0			-53	[Gantt bars for Procurement]															
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		292	01-May-14	14-Jun-15	0			-53	[Gantt bars for Arrabeh Well]															
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars for Donation Number Process]															
Material Order & Manufacture		254	01-May-14	21-Apr-15	0			-53	[Gantt bars for Material Order & Manufacture]															
Mechanical Equipment		254	01-May-14	21-Apr-15	0			-62	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		175	05-May-14	02-Jan-15	0			24	[Gantt bars for Electrical Equipment]															
Material Shipment		253	15-Sep-14	26-May-15	0			-75	[Gantt bars for Material Shipment]															
Mechanical Equipment		207	31-Oct-14	26-May-15	0			-86	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		144	15-Sep-14	06-Feb-15	0			34	[Gantt bars for Electrical Equipment]															
Ashdod Port/Bridge Clearance		185	21-Oct-14	08-Jun-15	0			-60	[Gantt bars for Ashdod Port/Bridge Clearance]															
Mechanical Equipment		148	07-Dec-14	08-Jun-15	0			-69	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		98	21-Oct-14	19-Feb-15	0			27	[Gantt bars for Electrical Equipment]															
Transport to Site (Ashdod Port to Site)		180	02-Nov-14	14-Jun-15	0			-60	[Gantt bars for Transport to Site]															
Mechanical Equipment		143	18-Dec-14	14-Jun-15	0			-69	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		93	02-Nov-14	25-Feb-15	0			27	[Gantt bars for Electrical Equipment]															
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		288	01-May-14	08-Jun-15	0			-54	[Gantt bars for Sanur Well]															
Donation Number Process		45	01-May-14	25-Jun-14	0			20	[Gantt bars for Donation Number Process]															
Material Order & Manufacture		234	01-May-14	25-Mar-15	0			-44	[Gantt bars for Material Order & Manufacture]															
Mechanical Equipment		234	01-May-14	25-Mar-15	0			-44	[Gantt bars for Mechanical Equipment]															
Electrical Equipment		175	05-May-14	02-Jan-15	0			10	[Gantt bars for Electrical Equipment]															
Material Shipment		182	08-Nov-14	09-May-15	0			-72	[Gantt bars for Material Shipment]															
Mechanical Equipment		172	08-Nov-14	29-Apr-15	0			-62	[Gantt bars for Mechanical Equipment]															

- ( New Bar )
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Roll Up Schedule - April, 2014

Date	Revision	Checked	Approved
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.-lv...	Naim Mani-Prog Direc...



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Duration	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q							
									N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
	<b>Chlorination &amp; Storage Building</b>	219	26-Aug-14	24-May-15	0			-41																
	Civil & Structural Works	67	26-Aug-14	18-Nov-14	0			80																
	Finishing Works	83	18-Nov-14	04-Mar-15	0			18																
	Mechanical Works	188	06-Sep-14	28-Apr-15	0			-24																
	Electrical & Instrumentation Works	212	03-Sep-14	24-May-15	0			-41																
	HVAC-Plumping	5	28-Apr-15	04-May-15	0			-24																
	<b>Living Quarters Building</b>	308	24-May-14	14-Jun-15	0			-59																
	Civil & Structural Works	67	24-May-14	21-Aug-14	0			117																
	Finishing Works	127	21-Aug-14	28-Jan-15	0			48																
	Mechanical Works	142	06-Aug-14	01-Feb-15	0			48																
	Electrical & Instrumentation Works	296	07-Jun-14	14-Jun-15	0			-59																
	HVAC-Plumping	136	08-Sep-14	01-Mar-15	0			31																
	<b>Electrical Metering Building</b>	336	03-May-14	25-Jun-15	0			-69																
	Civil & Structural Works	75	03-May-14	10-Aug-14	0			171																
	Finishing Works	130	10-Aug-14	19-Jan-15	0			58																
	Electrical & Instrumentation Works	327	07-May-14	20-Jun-15	0			-69																
	HVAC-Plumping	5	20-Jun-15	25-Jun-15	0			-69																
	<b>Pads &amp; Slabs</b>	111	30-Nov-14	18-Apr-15	0			-10																
	Civil & Structural Works	43	30-Nov-14	25-Jan-15	0			43																
	Electrical & Instrumentation Works	88	18-Dec-14	09-Apr-15	0			-3																
	Mechanical Works	68	25-Jan-15	18-Apr-15	0			-10																
	<b>Well Systems</b>	215	14-Oct-14	01-Jul-15	0			-74																
	Wellhead and Pad (Structural)	47	14-Oct-14	08-Dec-14	0			89																
	Mechanical	15	14-Jun-15	01-Jul-15	0			-74																
	Electrical & Instrumentation Works	5	14-Jun-15	20-Jun-15	0			-64																
	<b>Yard Works &amp; Site Electrical Power</b>	139	14-Jan-15	01-Jul-15	0			-67																
	External & Finishing Works	67	14-Jan-15	08-Apr-15	0			-2																
	Mechanical Works	24	25-Jan-15	25-Feb-15	0			41																
	Electrical & Instrumentation Works	139	14-Jan-15	01-Jul-15	0			-74																
	<b>Flow Control Valve for Mirka Existing Balance Tank &amp; Arraba Existing RSV (O&amp;M), Inspection, Commissioning, Start Up &amp; Training for P1</b>	20	25-Jan-15	21-Feb-15	0			18																
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	316	15-Jun-14	14-Jul-15	0			-68																
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	218	15-Jun-14	23-Mar-15	0			-14																
	Certificate of Proper Installation for Installed Equipments & Installation (Pre Commissioning)	208	07-Aug-14	22-Apr-15	0			-14																
	Training Phase	6	01-Jul-15	08-Jul-15	0			-74																
	Comissioning & Start Up Phase for All System	11	01-Jul-15	14-Jul-15	0			-68																
	Demobilization, Close Out & Handing Over for P1	5	08-Jul-15	14-Jul-15	0			-74																
	<b>Project 2 Sanur Well Pump Stations Rehabilitation &amp; Infrastructure Improvements</b>	5	14-Jul-15	20-Jul-15	0			-74																
	Mobilization for P2	365	01-May-14	26-Jul-15	135	24-Oct-13		-65																
	P2 - Sanur Well Pump Station Rehabilitation	24			57	24-Oct-13	08-Jan-14																	
	Delay of the Pump Switching Off	33	01-May-14	20-May-14	23	29-Mar-14		-35																
	Delay due to Fishing-Extraction of Fallen Strainer from Sanur Well	1			18	01-Apr-14	19-Apr-14																	
	Design Review After Well Development Results	4	01-May-14	06-May-14	4	24-Apr-14		-50																
	P2: Sanur Well Pump Station Infrastructure Improvement	120	18-May-14	15-Sep-14	0			-71																
	Demolishing, Site Development, Apply Safety Measurements & Site Preparation	326	03-May-14	13-Jun-15	0			-55																
	Construction of New Pump Station	13	03-May-14	17-May-14	0			-18																
	Balance Tank 1000 m3	316	14-May-14	13-Jun-15	0			-55																
	Civil & Structural Works	282	14-May-14	05-May-15	0			-25																
	Finishing Works	230	14-May-14	05-Mar-15	0			-25																
	Metal Fabricated Works	55	26-Jan-15	04-Apr-15	0			-18																
	Mechanical Works	5	29-Mar-15	04-Apr-15	0			-18																
	Electrical & Instrumentation Works	76	04-Jan-15	11-Apr-15	0			-18																
	Test Water Tightness For Reservoir	203	10-Aug-14	19-Apr-15	0			-25																
	Booster Pump System	14	19-Apr-15	05-May-15	0			-25																
	Civil & Structural Works	219	08-Jun-14	17-Mar-15	0			20																
	Steel Structure & Metal Works	38	08-Jun-14	03-Aug-14	0			102																
	Mechanical Works	40	03-Aug-14	18-Sep-14	0			121																
	Electrical & Instrumentation Works	177	03-Aug-14	12-Mar-15	0			24																
	Coatings & Finishing Works	78	01-Jul-14	18-Oct-14	0			121																
	Metal Fabricated Works	14	01-Mar-15	17-Mar-15	0			7																

- ( New Bar )
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

## Roll Up Schedule - April, 2014

Date	Revision	Checked	Approved
23-Apr-14	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...



## SDW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD  
 USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)



**TASK ORDER NO. AID-294-TO-13-00018**

**TASK ORDER NO. AID-294-TO-13-00018**

**PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements**

	USD
Total Contract Value Less Day Work:	\$6,516,970.57
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements**

	USD
Total Contract Value Less Day Work:	\$7,011,251.36
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

**PROJECT 3 Saadeh Well Pump Station - Rehabilitation**

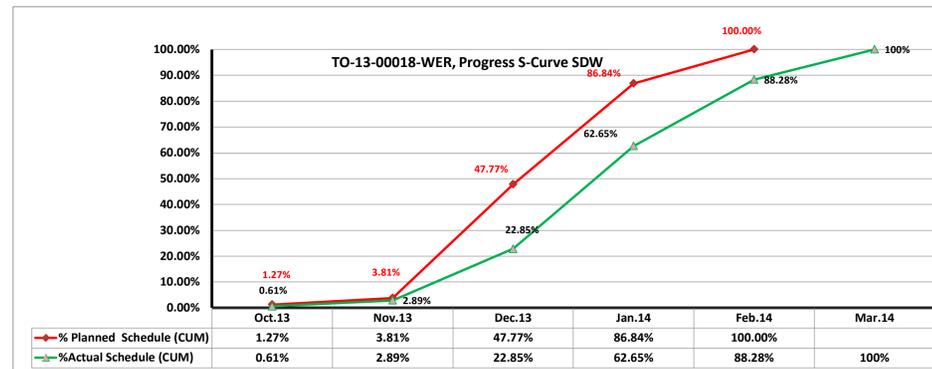
	USD
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	120 CD
Completion Date:	19-Feb-14
Revised Completion Date :	11-Mar-14
Data Date:	

**TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)**

	USD
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,556.73
Day Work Value:	\$817,300.18
Total Contract Value Including Day Work:	\$14,721,856.91

**PROGRESS S-CURVE & CASH FLOW SCHEDULE**

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	TOTAL
Planned Schedule Value	\$6,268.38	\$12,536.76	\$216,982.41	\$192,873.25	\$64,974.18	\$44,110.65	\$493,634.98
Planned Schedule Value (CUM)	\$5,484.83	\$18,805.14	\$268,937.64	\$488,933.69	\$493,634.98	\$493,634.98	\$493,634.98
Actual Schedule Value	\$2,309.40	\$8,577.79	\$75,122.68	\$149,777.68	\$96,436.62	\$44,110.65	\$376,334.82
Actual Schedule Value (CUM)	\$2,309.40	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82	\$376,334.82
% Planned Schedule	1.27%	2.54%	43.96%	39.07%	13.16%		100%
% Planned Schedule (CUM)	1.27%	3.81%	47.77%	86.84%	100.00%		100%
% Actual Schedule	0.61%	2.28%	19.96%	39.80%	25.63%	11.72%	100%
% Actual Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



## SDW 22.3 Submittals Log

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SUBMITTAL REGISTER LOG/SCHEDULE



Task Order: 00018-WER  
 Project 1-ARW Arraba Well Pump Station  
 Project 2-SNW Sarur Well Pump Station  
 Project 3-SDW Saadeh Well Rehabilitation

Contract No. AID-204-TO-13-00018

NTP:

23-Oct-13

NOA:

25-Sep-13

Submittal Categories		Submittal Classification		Identification		Submittal Disposition / Action Coding	
PD PRODUCT DATA	PCS	Construction	WER Well Rehabilitation Project	First Submittal SUB-16 WER-001-A			A - No Exceptions Noted
SD SHOP DRAWINGS	CONS	Construction	AWW : Project 1 Identifier	First RE-Submittal SUB-16 WER-001-B			B - Make Correction Noted
AD ADMINISTRATIVE/OTHER	9999	Procurement	SNW : Project 2 Identifier	Second Re-Submittal SUB-16 WER-001-C			C - Correct and Resubmit
TR TEST REPORT			SDW : Project 3 Identifier				D - Review - Resubmit
SCH SCHEDULE							E - Review Not Required
RPT REPORT							Submitted Pending Request
SMP SAMPLE							
CO COMPLETION & CLOSEOUT MATERIAL							
MTV							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-SDW-162-C	Final Geophysical Logging	Section 02623	CO	CONS	SUB	SDW			C		From main contractor directly	April 28, 2014		May 28, 2014				

For more information, please visit  
[http:// www.usaid.gov/west-bank-and-gaza](http://www.usaid.gov/west-bank-and-gaza)

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Tel Aviv, 63903

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