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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

January 01 - January 31, 2016

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

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

WELLS REHABILITATION PROJECT-WER

February 04, 2016

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:

January 01- January 31, 2016

PROJECT I-ARRABA WELL PUMP STATION-ARW

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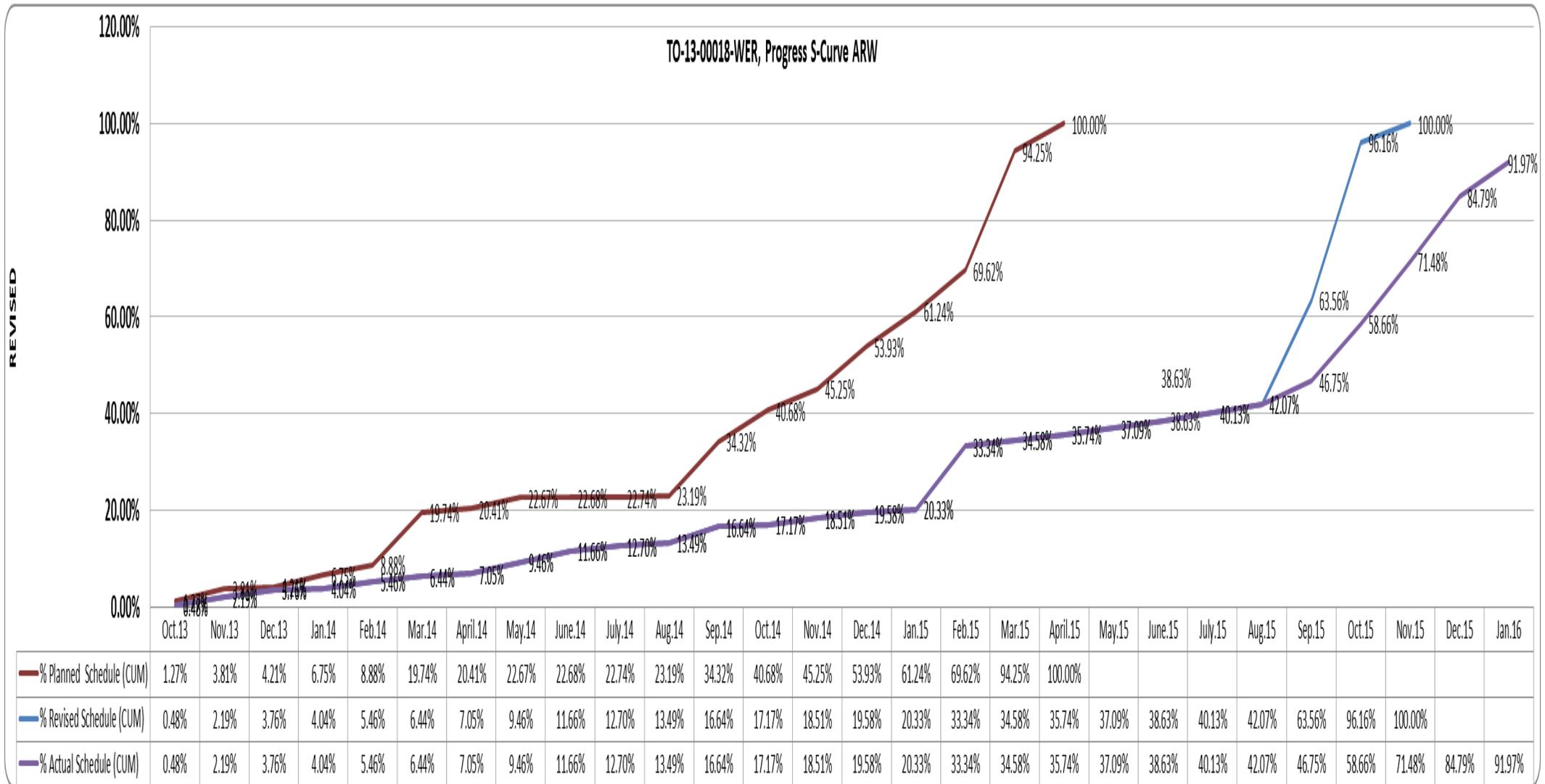
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### 1. Arraba Well (ARW) Dashboard Status



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## 2. Public Relation and Outreach

- Taking photos that show the activities at the project site;
- Coordination with WBWD;
- Coordination with Municipalities.

## 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, approved and applied.

### 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: One toolbox meeting was conducted during the month of January 2016.

### 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 January 2016 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



Safety tool box meeting-ARW



General cleaning and housekeeping-ARW



Install lights for working at night -ARW



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Install lights for working at night -ARW

#### 4. Security Coordination

N/A

#### 5. Material or Equipment Delivered to Site

Please find attachment No. ARW 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	100.00%
Actual percentage complete	91.97%
Elapsed Time	100.00%

Table 6.1-ARW-Progress Summary Table

#### Project Overall Status:

The project is behind schedule. However, new well installation and relevant civil and electromechanical works are still pending well pump installation. On the other hand, a VOR for excusable delays (security and VFDs issues) is submitted and IRD is still waiting the Engineer response on it. ARW total negative float as of January 31, 2016=-118 CD.

During this reporting period, and after insuring safety and environmental measures on site, existing well pump is removed along with removal of existing booster pump and partial removal of existing piping system. Bacteriological test of the Balance Tank is completed, and construction of wellhead pad along with installation of wellhead sole plate is completed.

On the other hand, remaining electrical works (instrumentation, new breaker installation and connection, installation of alarm system) and mechanical works (remaining piping and connections, outdoor AC units and well pump washout) are completed too.

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Remaining preliminary O&M manuals and training material and submission of final O&M manuals is ongoing.

## 7. Submittal Status

During the current reporting period 48 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 10 submittals for WER, 20 submittals for ARW and 18 submittals for SNW. Review comments were received for 38 of them, 10 submittals are still waiting engineer's response. Engineer's review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	23
B - Make Corrections Noted	12
C- Amend and Resubmit	3
D- Rejected- Resubmit	0
E- Review Not Required	0
Retracted submittals	<b>0</b>
<b>Total submittals delivered</b>	<b>48</b>
<b>Total submittals reviewed</b>	<b>38</b>
<b>Submittals delivered not reviewed</b>	<b>10</b>

Table 7.2-WER-Submittal Disposition

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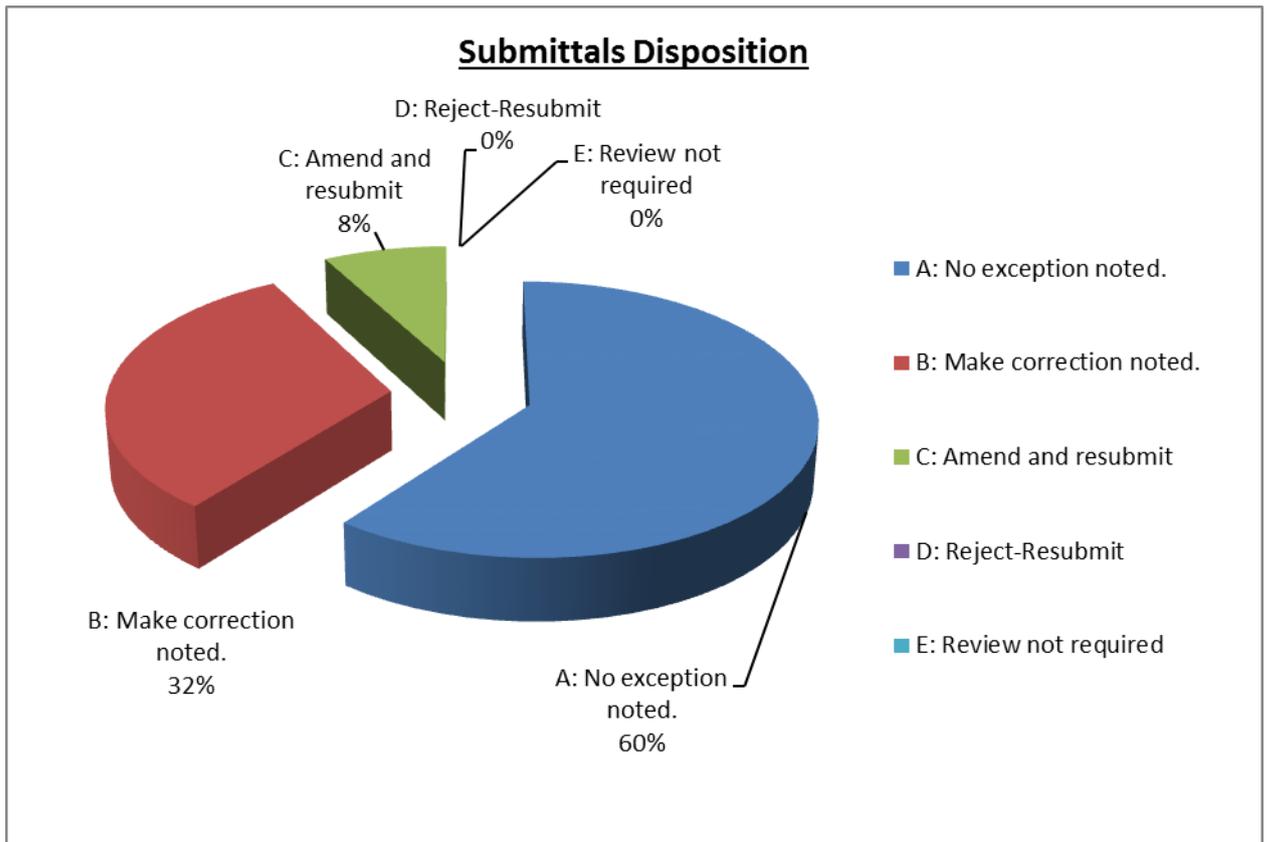


Figure 7.1-WER-Submittals Disposition Analysis

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:

- Existing well pump removal.
- Existing booster and piping system removal (partial removal of piping system).
- Construction of well head pad and installation of well head sole plate.
- Completed bacteriological testing.
- Completed remaining piping connections and fittings installation.
- Completion of outdoor A/C units.
- Remaining Instrumentation (fire alarm system).
- Installation of electrical panels.
- Installation of intrusion switches is completed.
- Completed instrumentation work for booster’s area.
- Completed installation of the fence wall and gate for the transformer.

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

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- Pouring concrete for well pump valves pad and remaining concrete pavement of site yard.
- Connection to Arraba and Sanur existing pipelines
- New well pump installation and calibration.
- Electrical and mechanical connections to new well pump.
- Removal of remaining existing pipes and fittings.
- Complete gravel pavement.
- Complete initial punch list items.
- Installing flow control valves.
- Asphalt pavement of the main entrance road.
- Install and fix traffic and regulation signs and entrance marking.
- Supply and install well pump metal works.
- Finish raised slab aluminum works.
- Complete correction of valves extension inside raised slab at booster pump area.
- Start-up process (Pre commissioning and commissioning).

## 9. Updated Schedule

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

## 10. Site Memos

During the current reporting period, two Site Memos were issued from the Engineer to the Contractor under ARW. For further details, please see Attachment ARW 22.3- Site Memo Log.

## 11. Inspection Requests

During the current reporting period, 67 Inspection Requests were submitted to the Engineer including resubmitted inspections, 25 inspections for Arraba well, 32 for Sanur well of which one was retracted and 10 under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

## 12. Test Reports

Nine testing reports had been conducted during the current reporting period for Arraba Well. All tests passed according to the testing lab and conformed to QC specifications. For more details, see the table below:

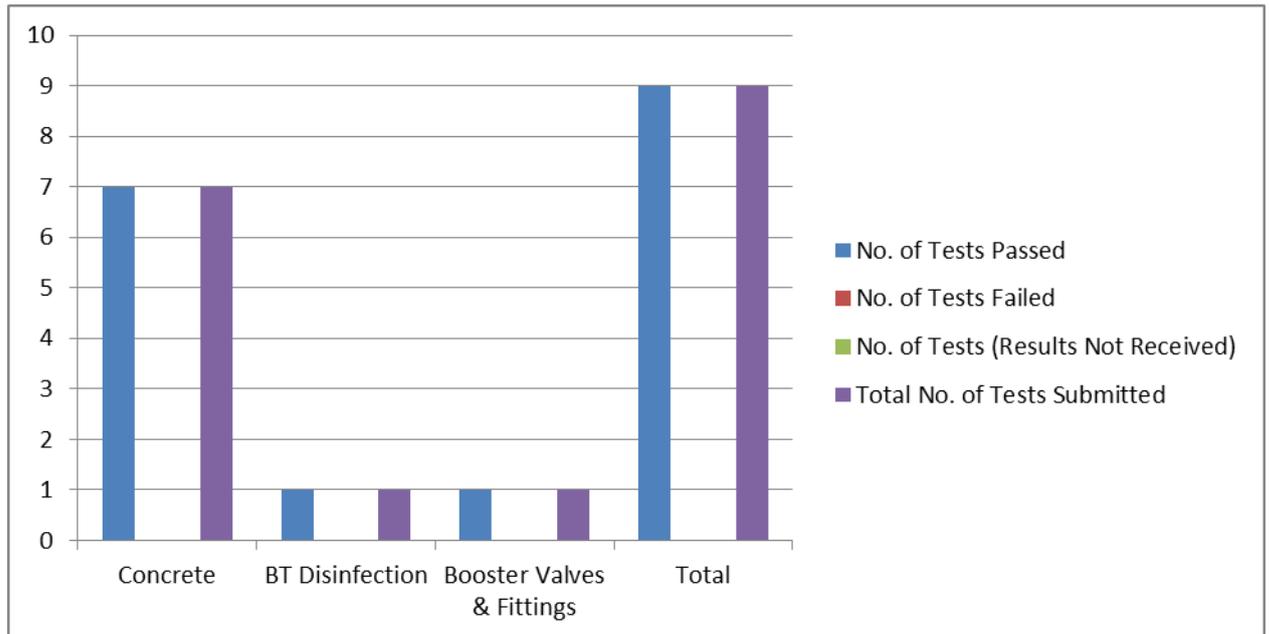
Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Retracted	Total No. of Tests Submitted
Concrete	7	0	0	0	7

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Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Retracted	Total No. of Tests Submitted
BT Disinfection	1	0	0	0	1
Booster Valves & Fittings	1	0	0	0	1
Total	9	0	0	0	9

**Table 12.1- ARW QC Analysis Table**



**Figure 12.1- ARW QC Analysis Bar Chart**

The following pictures show the quality control testing conducted during the current reporting period:



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### 13. Request for Information

No RFIs were submitted to the Engineer during the current reporting period. 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 payment No. 15 under Task Order No. 13-00018 / INP II on January 20, 2016; the payment was reviewed and approved by CMC on January 26, 2016. The corresponding payment amount is not received by USAID yet. This payment covers the period from October 21, 2015 to January 18, 2016.

Payment No.	Period of Performance Quantity		Current Payment Amount (\$)	Current LD Amount (\$)	Recommended Payment Amount (\$)	Previous (\$)	Cumulative to date (\$)	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To								
15	Oct.21, 15	Jan.18, 16	1,584,621.62	216,522.00	1,368,099.62	2,227,352.35	3,595,451.97	Jan.20, 16	Jan.26, 16	-

**Table 14.1-ARW-Payment Summary**

Accrued expenditures for Task Order 13-00018-ARW=  
 $\$5,865,467.83 - \$2,227,352.35 = \$3,638,115.48$

### 15. Variation Orders and Variation Order Requests

Two Variation Order Requests were submitted to the CMC under WER while no VOs were issued; for more details, please refer to Attachment No. ARW 22.8 Variation Orders and Variation Order Requests Log.

### 16. Operation, Maintenance and Training

Preliminary Operation & Maintenance Manuals are being submitted to the CMC; Final O&M will be submitted individually as per contract documents and prior to startup according to contract conditions.

#### **Training:**

The first training session (field training) was conducted on November 23, 2015 at ARW site for booster pumps installation. All other requested trainings for all major equipment (electro-mechanical) will be conducted soon in coordination with WBWD and after getting CMC approval.

### 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
Interruption or damage of underground utilities	The risk appears during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD-PM	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking 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-PM	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.
Excavations for underground yard piping duct banks and manholes.	The depth of underground yard-piping excavation exceeds 2m and exposure to fall of personnel during work is an existing hazard.	IRD-PM	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Toolbox meetings are conducted regularly.
Fall of well pump and pipes during pulling out of existing pump and installation of the new pump.	This is a vertical line shaft very old well pump that will be pulled out, and slippage of pipes from couplings due to any sudden or fast movement during pulling out could occur. Dealing with such a huge weight could be risky. The same is applicable to installation of the new VLST pump in the well.	IRD-PM	Hiring a professional staff with very good equipment to perform the work. Make sure that rig capacity fits with entire pumping unit weight. Conduct work with extra care and make sure that sudden movement during pulling out or installation shall be avoided. Tighten clamps properly around pipes. Move down ward or upward slowly with extra attention and monitoring of any sudden changes in the exerted force by the rig.

For more details, please refer to Attachment No. ARW 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.

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1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	199 CD
3.	Modified Period of Performance	749 Calendar Days
4.	Modified Completion Date	November 10, 2015
5.	No. of Working Days	23 Calendar Days
6.	Accumulated Working Days	732 Calendar Days
7.	Total No. of non-working days (Holidays and weekends) (Jan.01, 08 & 15, 2016)	3 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	99 Calendar Days
9.	No. of other non-working days during this month (due to heavy rain in Jan.02, 03, 24, 25 & 26, 2016)	5 Calendar Days
10.	Accumulated other non-working days	9 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 substation.	120 cubic meter per hour = 2,880 m <sup>3</sup> 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 269,793)	$(4,252,438)\text{m}^3/365 \text{ day}/(269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L}/\text{Capita}/\text{Day}$
No. of Beneficiaries	$2,880/0.043 = 66,977 \text{ capita}$

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: 16,027 person days;
- Employment generated this month: 598 person days;
- Total cumulative employment generated to-date: 16,625 person days (15,325 males and 1,300 females).

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

N/A

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## 21. Construction Photos



**Photo Date- 1<sup>st</sup> of January, 2016:** Continue filling water into the Balance Tank to perform Bacteriological test.



**Photo Date- 4<sup>th</sup> of January, 2016:** Continue surface preparation and repair of Retaining Wall.



**Photo Date- 4<sup>th</sup> of January, 2016:** Finish applying second coat layer for external walls of all buildings.



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**Photo Date- 5<sup>th</sup> of January, 2016:** Continue pulling and connecting Earthing cables between generator box and MCC in the Electrical Control building.



**Photo Date- 5<sup>th</sup> of January, 2016:** Continue surface preparation and repair of Retaining Wall.



**Photo Date- 6<sup>th</sup> of January, 2016:** Finish installation of fencing and gate for Pad Mounted Transformer.



**Photo Date- 6<sup>th</sup> of January, 2016:** Start preparations prior to start pulling out the existing well pump.



**Photo Date- 6<sup>th</sup> of January, 2016:** Transferring the Rig to the well site.

**Photo Date- 7<sup>th</sup> of January, 2016:** Finish installation of aluminum checker plates for electrical trenches in the Electrical Control building.

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**Photo Date- 9<sup>th</sup> of January, 2016:** Continue surface preparation and repair of Retaining Wall.



**Photo Date- 10<sup>th</sup> of January, 2016:** Start and finish surface preparation and repair of flow meter pad.



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**Photo Date- 11<sup>th</sup> of January, 2016:** Finish surface preparation and repair of Retaining Wall.



**Photo Date- 12<sup>th</sup> of January, 2016:** Start safety arrangements prior starting pulling out the existing well pump.



**Photo Date- 13<sup>th</sup> of January, 2016:** Start and finish installation of outdoor AC unit for the living Quarter building.



**Photo Date- 13<sup>th</sup> of January, 2016:** Start and finish surface preparation and repair of booster pumps slab.



**Photo Date- 13<sup>th</sup> of January, 2016:** Start installation of cable trays inside the electrical manholes.

**Photo Date- 14<sup>th</sup> of January, 2016:** Continue installation of cable trays inside the electrical manholes.

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**Photo Date- 14<sup>th</sup> of January, 2016:** Finish installation of mechanical valves and fittings at the Booster Pumps Area.



**Photo Date- 14<sup>th</sup> of January, 2016:** Start dismantling all mechanical and electrical connections, cables and fittings for the existing well and booster pumps.



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**Photo Date- 16<sup>th</sup> of January, 2016:** Start and finish installation of mechanical Valves for future PWA pipeline.



**Photo Date- 16<sup>th</sup> of January, 2016:** Start and finish installation of the portable air compressor for the bladder tank.



**Photo Date- 17<sup>th</sup> of January, 2016:** Start removal of existing well pump.



**Photo Date- 18<sup>th</sup> of January, 2016:** Continue pulling out the existing well pump.



**Photo Date- 18<sup>th</sup> of January, 2016:** Start and finish installation of pressure reducing valve at flow metering system.



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<p><b>Photo Date- 19<sup>th</sup> of January, 2016:</b> Continue pulling out the existing well pump.</p>	<p><b>Photo Date- 20<sup>th</sup> of January, 2016:</b> Continue pulling out the existing well pump.</p>
	
<p><b>Photo Date- 21<sup>st</sup> of January, 2016:</b> Finish pulling out the existing well pump.</p>	<p><b>Photo Date- 21<sup>st</sup> of January, 2016:</b> Replacing and connecting new main circuit breaker 630A in the old electrical panel.</p>
	
<p><b>Photo Date- 22<sup>nd</sup> of January, 2016:</b> Start excavation works for well head pad.</p>	<p><b>Photo Date- 23<sup>rd</sup> of January, 2016:</b> Continue excavation works for well head pad.</p>
	

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<p><b>Photo Date- 27<sup>th</sup> of January, 2016:</b> Continue excavation works for well head pad.</p>	<p><b>Photo Date- 28<sup>th</sup> of January, 2016:</b> Continue electrical works (instrumentation and control) for booster pumps system.</p>
	
<p><b>Photo Date- 28<sup>th</sup> of January, 2016:</b> Continue installation of fire alarm system for all buildings.</p>	<p><b>Photo Date- 29<sup>th</sup> of January, 2016:</b> Installing, fixing and welding well head sole plate.</p>
	
<p><b>Photo Date- 30<sup>th</sup> of January, 2016:</b> Continue electrical works for booster pumps.</p>	<p><b>Photo Date- 30<sup>th</sup> of January, 2016:</b> Start steel reinforcement for well head pad.</p>
	

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**Photo Date- 31<sup>st</sup> of January, 2016:** Finish steel reinforcement and installation of duct bank (DBS-06) for well head pad.



**Photo Date- 31<sup>st</sup> of January, 2016:** Start and finish casting concrete for well head pad and electrical duct bank DBS-06.

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

January 01- January 31, 2016

PROJECT 2-SANUR WELL PUMP STATION-SNW

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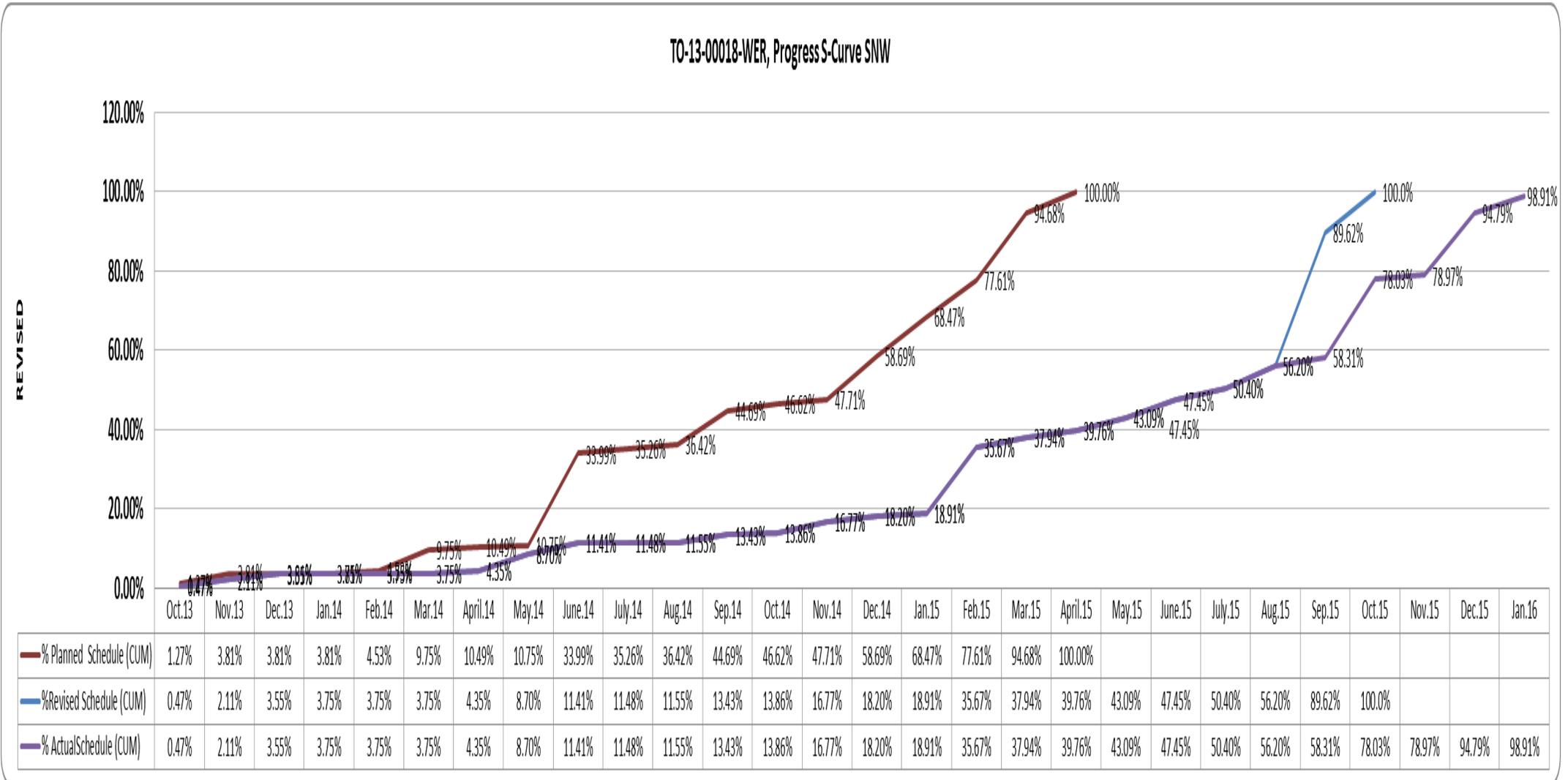
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### 1. Sanur Well (SNW) Dashboard Status



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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;
- Coordination with Municipalities.

## 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 SNW 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).

- Sanur Well: Two toolbox meetings were conducted during the month of January 2016.

### 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 January 2016 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 NUCs were issued during the reporting period.

### Safety Violation Notice

During the current reporting period (0) accident occurred

### Safety Conclusion:

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

**Safety Photos:**



Safety toolbox meeting-SNW



Flagman to control equipment movements-SNW

**DISCLAIMER:**

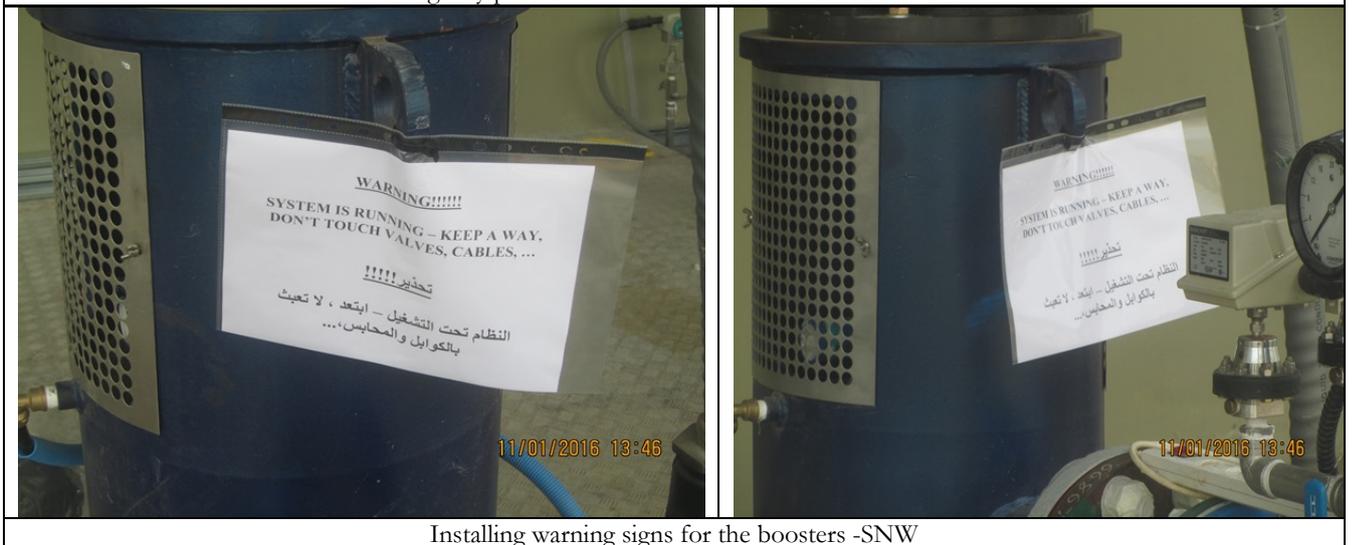
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Covering the steel bars to protect from rain-SNW



Emergency phone numbers installed all over the site-SNW



Installing warning signs for the boosters -SNW

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Installing warning signs for the electrical equipment-SNW



General cleaning-SNW



General cleaning and housekeeping-SNW

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Signs and flagman while painting the street -SNW

#### 4. Security Coordination

The following table summarizes the security coordination conducted during the month of January 2016:

Date	Location/Activity	Attendees	Purpose
January 01,10,11,12,18, 2016	Jenin/ Escorting	<ul style="list-style-type: none"> <li>Jaffar Salhab, security coordinator, IRD</li> <li>Michael (Mehadesh's instructor)</li> </ul>	Escorting Michael from Haifa to Jenin and vice versa.

#### 5. Material or Equipment Delivered to Site

Please find attachment No. SNW 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	100.00%
Actual percentage complete	98.91%
Elapsed Time	100.00%

Table 6.1-SNW-Progress Summary Table

#### Project Overall Status:

The project is behind the schedule. However, all contractual works are accomplished, a VOR for excusable delays (security and VFDs issues) is submitted, and IRD is still waiting the Engineer response on it. SNW total negative float as of January 31, 2016=-99 CD.

During this reporting period, and after insuring safety and environmental measures on site, final finishing works of all buildings are accomplished. New Well pump is operated, re-calibrated and tested among other equipment (Electrical and

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mechanical). IRD is working on closing initial punch list items. Flow control valves at main connections for served communities are installed and functioning.

On the other hand, Start-Up process (pre-commissioning and commissioning) is started and completed too, and the project at this point is ready for handing over. Class and field training on pumps, PLCs, VFDs, MCC, MTS, bladder tanks, chlorination system and daily operational training for WBWD operators is also completed.

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 48 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 10 submittals for WER, 20 submittals for ARW and 18 submittals for SNW. Review comments were received for 38 of them, 10 submittals are still waiting engineer’s response. Engineer’s review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

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D- Rejected- Resubmit	0
E- Review Not Required	0
Retracted submittals	<b>0</b>
<b>Total submittals delivered</b>	<b>48</b>
<b>Total submittals reviewed</b>	<b>38</b>
<b>Submittals delivered not reviewed</b>	<b>10</b>

Table 7.2-WER-Submittal Disposition

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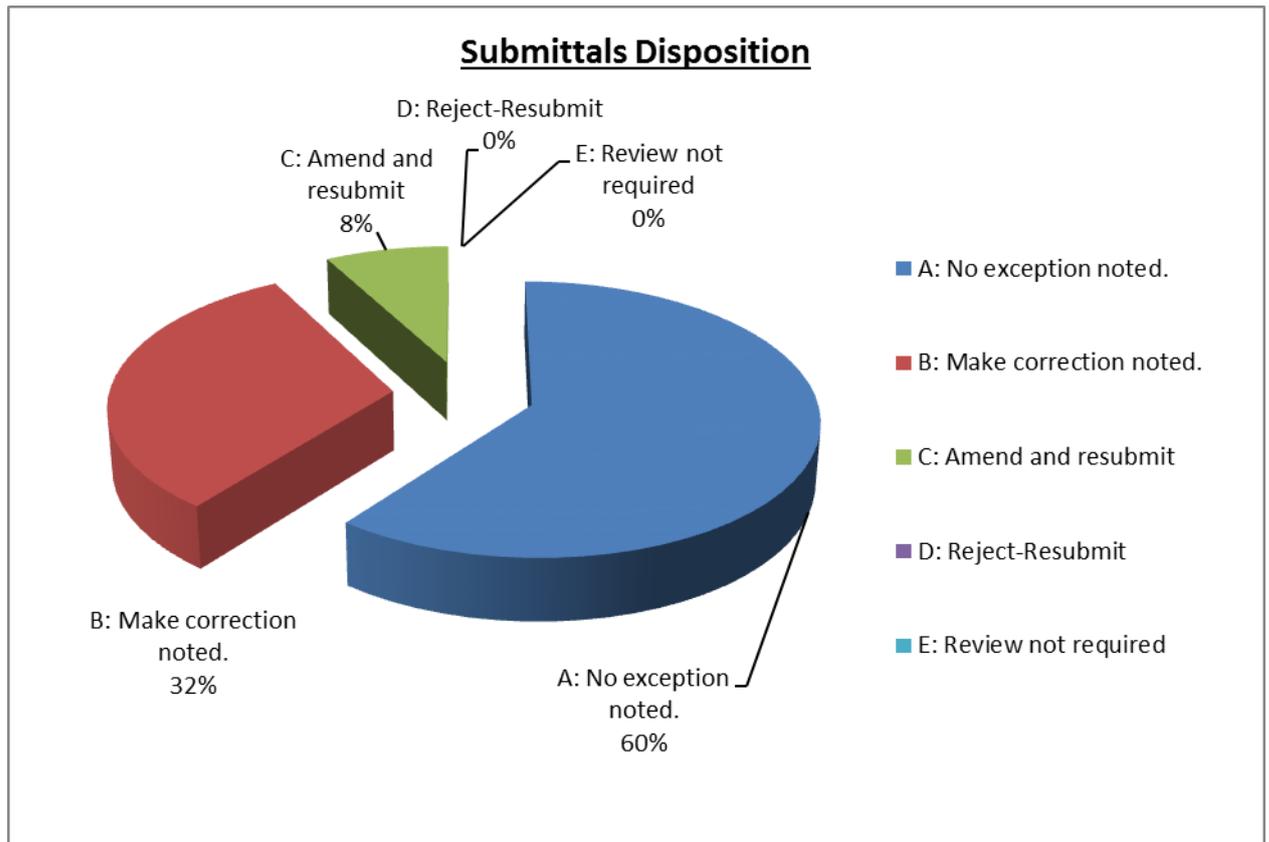


Figure 7.1-WER-Submittals Disposition Analysis

For further details, please see attachment 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:

- Start-Up process started and completed.
- Finished installing of fire alarm system and all field tests are conducted and completed.
- Class and field training.
- Installation of flow control valves at main connections of served communities.
- Initial punch list items.
- Marking of main entrance and curbstones and installation of rail guards at the site entrance.
- Finished asphaltting the entrance road and road marking.

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

- Snag list and project close out.

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## 9. Updated Schedule

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

## 10. Site Memos

During the current reporting period, one Site Memo was issued from the Engineer to the Contractor under SNW. For further details, please see Attachment SNW 22.3- Site Memo Log.

## 11. Inspection Requests

During the current reporting period, 67 Inspection Requests were submitted to the Engineer including resubmitted inspections, 25 inspections for Arraba well, 32 for Sanur well of which one was retracted and 10 under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

## 12. Test Reports

Six testing reports had been conducted during the current reporting period for Sanur Well. Three tests passed according to the testing lab and conformed to QC specifications; on test report failed and two test results were not received yet. For more details, see the table below:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Submitted
Concrete	2	0	1	3
Electrical Field Tests	1	0	1	2
Sand	0	1	0	1
<b>Total</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>6</b>

**Table 12.1- SNW QC Analysis Table**

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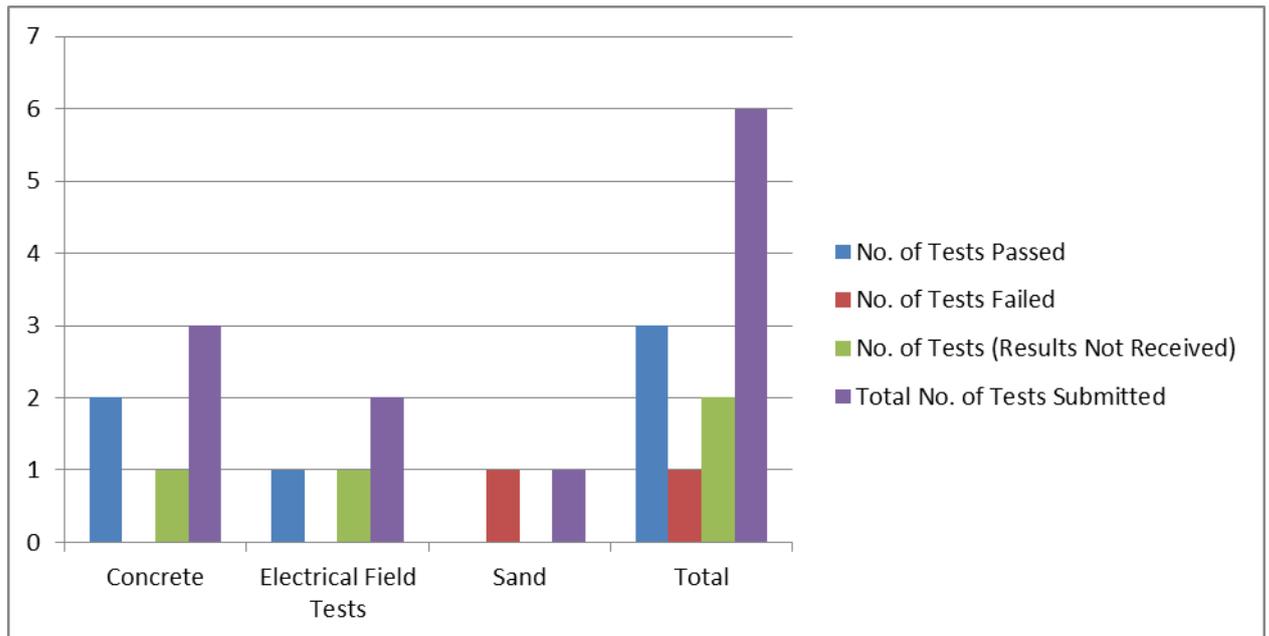


Figure 12.1-SNW QC Analysis Bar Chart

The following pictures show the quality control testing conducted during the current reporting period:

**QC pictures for Sanur Well:**



**Sanur well: Start conducting electrical field tests**

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**Sanur well:** Collecting concrete samples for the well pump discharge pipeline pad



**Sanur well:** Continue electrical equipment testing, checks and programming of the system



**Sanur well:** Start and finish Chlorination system training

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**Sanur Well:** Collecting concrete samples of the ditch area between the culvert downstream and the existing Wadi



**Sanur Well:** Start and finish Well and Booster VFDs class and field training



**Sanur Well:** Continue and finish well pump and boosters PLC and MCC Training (Class and Field)

### 13. Request for Information

No RFIs was submitted to the Engineer during the current reporting period. For further information regarding the submitted RFIs, please see Attachment SNW 22.7- Request for Information Log.

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#### 14. Summary of Payments and Accrued Expenditures

IRD submitted payment No. 15 under Task Order No. 13-00018 / INP II on January 20, 2016; the payment was reviewed and approved by CMC on January 26, 2016. The corresponding payment amount is not received by USAID yet. This payment covers the period from October 21, 2015 to January 18, 2016.

Payment No.	Period of Performance Quantity		Current Payment Amount (\$)	Current LD Amount (\$)	Recommended Payment Amount (\$)	Previous (\$)	Cumulative to date (\$)	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To								
15	Oct.21, 15	Jan.18, 16	1,453,992.56	247,902.00	1,206,090.56	3,758,038.31	4,964,128.87	Jan.20, 16	Jan.26, 16	-

Accrued expenditures for Task Order 13-00018-SNW=  
 $\$7,066,410.16 - \$3,758,038.31 = \$3,308,371.85$

#### 15. Variation Orders and Variation Order Requests

Two Variation Order Requests were submitted to the CMC under WER while no VOs were issued; for more details, please refer to Attachment No. SNW 22.8 Variation Orders and Variation Order Requests Log.

#### 16. Operation, Maintenance and Training

Preliminary Operation & Maintenance Manuals are being submitted to the CMC; Final O&M will be submitted individually as per contract documents and prior to startup according to contract conditions.

##### Training:

The following training sessions had been held during the reporting period:

Training Subject	Training Type	Training Start Date	Training Location	Attendees
Chlorination System	Field	January 18, 2016	Sanur Well	WBWD
Chlorination System	Class	January 18, 2016	Sanur Well	WBWD
Bladder Tank Training	Class	January 24, 2016	Sanur Well	WBWD
Bladder Tank Training	Field	January 24, 2016	Sanur Well	WBWD
VFDs For Wells and Boosters	Class	January 27, 2016	Sanur Well	WBWD
VFDs For Wells and Boosters	Field	January 27, 2016	Sanur Well	WBWD
Main PLC & MCC PLCs	Class	January 27, 2016	Sanur Well	WBWD
Main PLC & MCC PLCs	Field	January 27, 2016	Sanur Well	WBWD

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## 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 appears during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	IRD-PM	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	189 Calendar Days
3.	Modified Period of Performance	739 Calendar Days
4.	Modified Completion Date	October 31, 2015
5.	No. of Working Days	30 Calendar Days
6.	Accumulated Working Days	735 Calendar Days
7.	Total No. of non-working days (Holidays and weekends) (Jan.08, 2016)	1 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	92 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 substation.	150 cubic meter per hour = 3,600 m <sup>3</sup> 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 269,7937)	$(4,252,438)m^3/365 \text{ day} / (269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L/Capita/Day}$

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No. of Beneficiaries	$3,600/0.043 = 83,721$ capita
----------------------	-------------------------------

**Table 19.1-SNW-Target Value for Project 2**

### 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: 14,992 person days;
- Employment generated this month: 758 person days;
- Total cumulative employment generated to-date: 15,750 person days (14,457 males and 1,292 females).

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

N/A

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## 21. Construction Photos



**Photo Date- 1<sup>st</sup> of January, 2016:** Finish installation and calibration of new well pump and motor with the presence of Manufacturer representative.



**Photo Date- 2<sup>nd</sup> of January, 2016:** Start excavation for the well washout and the discharge pipeline in order to start mechanical connections.



**Photo Date- 3<sup>rd</sup> of January, 2016:** Start fabrication of the well pump discharge pipeline and washout.



**Photo Date- 3<sup>rd</sup> of January, 2016:** Start installation of power and control cables for the well pump.



**Photo Date- 3<sup>rd</sup> of January, 2016:** Installation of well pump washout.



**Photo Date- 4<sup>th</sup> of January, 2016:** Start conducting electrical field tests.

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**Photo Date- 4<sup>th</sup> of January, 2016:** Start and finish disconnecting and closing Sanur old pipeline.



**Photo Date- 5<sup>th</sup> of January, 2016:** Start installation of valves and fittings for the well pump discharge line.



**Photo Date- 5<sup>th</sup> of January, 2016:** Electrical equipment testing, checking and programming of the system.



**Photo Date- 6<sup>th</sup> of January, 2016:** Continue connecting power and control cables for the well pump.



**Photo Date- 6<sup>th</sup> of January, 2016:** Start and finish preparation of subgrade and base course for RC pavement – last stage.



**Photo Date- 7<sup>th</sup> of January, 2016:** Start and finish formwork and steel reinforcement for RC pavement – last stage.

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**Photo Date- 7<sup>th</sup> of January, 2016:** Start and finish mechanical installation and connection of the well pump oiling system.



**Photo Date- 9<sup>th</sup> of January, 2016:** Finish connecting power and control cables for the well pump.



**Photo Date- 9<sup>th</sup> of January, 2016:** Start and finish casting concrete for concrete pavement – last stage and the ditch between culvert and secondary gate catch basin.



09/01/2016 11:35



**Photo Date- 10<sup>th</sup> of January, 2016:** Start and finish well pump's motor re-setting and checking.



**Photo Date- 10<sup>th</sup> of January, 2016:** Continue electrical equipment testing, checking and programming of the system.

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**Photo Date- 11<sup>th</sup> of January, 2016:** Starting well pump operation to the washout.



**Photo Date- 11<sup>th</sup> of January, 2016:** Start formwork and steel reinforcement of the well pump discharge pipeline pad.



**Photo Date- 12<sup>th</sup> of January, 2016:** Start and finish casting concrete for the well discharge pad.



**Photo Date- 13<sup>th</sup> of January, 2016:** Start and finish asphalt works for the site main entrance.



**Photo Date- 14<sup>th</sup> of January, 2016:** Painting of piping system.



**Photo Date- 16<sup>th</sup> of January, 2016:** Continue start-up process (pre-commissioning). The start-up process began on 14<sup>th</sup> of January 2016.

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**Photo Date- 16<sup>th</sup> of January, 2016:** Start and finish concrete protection at the secondary entrance and around the asphalt area of the main entrance.



**Photo Date- 17<sup>th</sup> of January, 2016:** Start and finish installation of Guard rail and traffic signs at the project main entrance.



**Photo Date- 17<sup>th</sup> of January, 2016:** Continue start-up process (pre-commissioning). Well pump operation and temperature monitoring.



**Photo Date- 18<sup>th</sup> of January, 2016:** Start Well pump re-setting and re-calibration.



**Photo Date- 18<sup>th</sup> of January, 2016:** Conducting training on chlorination system.



**Photo Date- 19<sup>th</sup> of January, 2016:** Complete Well pump re-setting and re-calibration.

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**Photo Date- 20<sup>th</sup> of January, 2016:** Continue start-up process (pre-commissioning). Instrumentation testing and calibration.



**Photo Date- 20<sup>th</sup> of January, 2016:** Finish the preparation of the ditch area between the culvert downstream and the existing Wadi prior casting concrete.



**Photo Date- 21<sup>st</sup> of January, 2016:** Start and finish casting concrete for the ditch area between the culvert downstream and the existing Wadi.



**Photo Date- 22<sup>nd</sup> of January, 2016:** Start curing concrete of the ditch area between the culvert downstream and the existing Wadi.



**Photo Date- 24<sup>th</sup> of January, 2016:** Start and finish class and field training on Bladder Tank.



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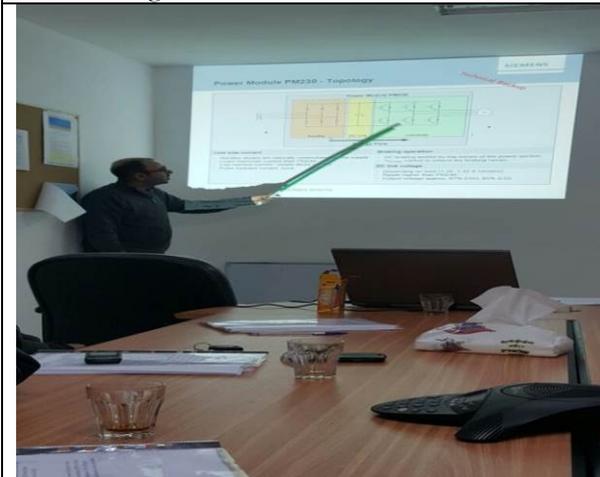
**Photo Date- 24<sup>th</sup> of January, 2016:** Continue start-up process (pre-commissioning and commissioning).

**Photo Date- 25<sup>th</sup> of January, 2016:** Continue start-up process (pre-commissioning and commissioning).



**Photo Date- 27<sup>th</sup> of January, 2016:** Start and finish Well pump and Boosters VFDs class and field training.

**Photo Date- 27<sup>th</sup> of January, 2016:** Closing initial punch list items.



**Photo Date- 28<sup>th</sup> of January, 2016:** Continue and finish well pump and boosters PLC and MCC Training (Class and Field).

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Photo Date- 29<sup>th</sup> of January, 2016: Closing initial punch list items.



Photo Date- 30<sup>th</sup> of January, 2016: Start and finish road entrance and curb stone marking.



Photo Date- 31<sup>st</sup> of January, 2016: End of start-up process (Pre-Commissioning and commissioning).

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

January 01-January 31, 2016

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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## 1. 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.

## 2. Project Indicators

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

Target Value for Project 3:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	120 cubic meter per hour = 2,880 m <sup>3</sup> 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)	$(4,252,438)m^3/365 \text{ day} / (285,477 \text{ capita}) = 0.041 \text{ m}^3/\text{capita} / \text{day} = 41 \text{ L/Capita/Day}$
No. of Beneficiaries	$2,880/0.041 = 70,244 \text{ capita}$

**Table 2.1-SDW-Target Value for Project 3**

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

The following is the employment generated in Person days for Project 3:

- Estimated Target Value: 588.00 person days;
- Total cumulative employment generated to-date: 1218 person days.

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FROM THE AMERICAN PEOPLE

**WEST BANK/GAZA**

# CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: January 01 - January 31,  
2016

WELLS REHABILITATION PROJECT-WER

February 04, 2016

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

# CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

January 01- January 31, 2016

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

## Roll Up Schedule

**01-Feb-16**

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q									
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	
<b>Total</b>		797	01-Feb-16	21-Mar-16	23-Oct-13		[Gantt bars for Total]																		
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>							[Gantt bars for RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS]																		
<b>Milestones</b>							[Gantt bars for Milestones]																		
<b>General Milestones</b>							[Gantt bars for General Milestones]																		
<b>Intermediate Milestones</b>							[Gantt bars for Intermediate Milestones]																		
<b>Mobilization</b>							[Gantt bars for Mobilization]																		
<b>Submittals</b>							[Gantt bars for Submittals]																		
<b>Pre Construction Submittals</b>							[Gantt bars for Pre Construction Submittals]																		
<b>Construction Submittals</b>							[Gantt bars for Construction Submittals]																		
<b>Material Submittals</b>							[Gantt bars for Material Submittals]																		
<b>Civil</b>							[Gantt bars for Civil]																		
Earth Works							[Gantt bars for Earth Works]																		
Concrete Works							[Gantt bars for Concrete Works]																		
Building Works							[Gantt bars for Building Works]																		
Roads Works							[Gantt bars for Roads Works]																		
Miscellaneous							[Gantt bars for Miscellaneous]																		
<b>Mechanical</b>							[Gantt bars for Mechanical]																		
Local Manufacturer							[Gantt bars for Local Manufacturer]																		
Abroad Manufacturer ( Long Lead Items)							[Gantt bars for Abroad Manufacturer ( Long Lead Items)]																		
<b>Electrical</b>							[Gantt bars for Electrical]																		
Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)							[Gantt bars for Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)]																		
Local Manufacturer							[Gantt bars for Local Manufacturer]																		
<b>Shop Drawings</b>							[Gantt bars for Shop Drawings]																		
Civil							[Gantt bars for Civil]																		
Mechanical							[Gantt bars for Mechanical]																		
Electrical							[Gantt bars for Electrical]																		
<b>Methods Statement &amp; Work Plans</b>							[Gantt bars for Methods Statement & Work Plans]																		
Civil							[Gantt bars for Civil]																		
Mechanical							[Gantt bars for Mechanical]																		
Electrical							[Gantt bars for Electrical]																		
<b>Post Construction Submittals</b>							[Gantt bars for Post Construction Submittals]																		
<b>Procurement</b>							[Gantt bars for Procurement]																		
<b>Mechanical, Electrical Equipments&amp;Instrumentation,...etc- for Arrabeh Well</b>							[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well]																		
Mechanical Material Order, Manufacture & Delivery							[Gantt bars for Mechanical Material Order, Manufacture & Delivery]																		
Mechanical Equipment							[Gantt bars for Mechanical Equipment]																		
Electrical Material Order, Manufacture & Delivery							[Gantt bars for Electrical Material Order, Manufacture & Delivery]																		
Electrical Equipment Order & Manufacture							[Gantt bars for Electrical Equipment Order & Manufacture]																		
Electrical Equipment Delivery							[Gantt bars for Electrical Equipment Delivery]																		
<b>Mechanical, Electrical Equipments&amp;Instrumentation,...etc for Sanur Well</b>							[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well]																		
Mechanical Material Order, Manufacture & Delivery							[Gantt bars for Mechanical Material Order, Manufacture & Delivery]																		
Mechanical Equipment							[Gantt bars for Mechanical Equipment]																		
Electrical Material Order, Manufacture & Delivery							[Gantt bars for Electrical Material Order, Manufacture & Delivery]																		
Electrical Equipment Order & Manufacture							[Gantt bars for Electrical Equipment Order & Manufacture]																		
Electrical Equipment Delivery							[Gantt bars for Electrical Equipment Delivery]																		
<b>VFDs Time Impact Analysis</b>							[Gantt bars for VFDs Time Impact Analysis]																		
Inspected By SIEMENS & IC System & Ship. Agent							[Gantt bars for Inspected By SIEMENS & IC System & Ship. Agent]																		
Inspected By SIEMENS & IC System & Ship. Agent (Original)							[Gantt bars for Inspected By SIEMENS & IC System & Ship. Agent (Original)]																		
SIEMENS Released Report							[Gantt bars for SIEMENS Released Report]																		
Meeting w SIEMENS- IRD,IC,AGC and BV							[Gantt bars for Meeting w SIEMENS- IRD,IC,AGC and BV]																		
10 Units Sent By Air to US SIEMENS for Repair							[Gantt bars for 10 Units Sent By Air to US SIEMENS for Repair]																		
Sent to Israel							[Gantt bars for Sent to Israel]																		
Sent By Air to SIEMENS Israel (Original)							[Gantt bars for Sent By Air to SIEMENS Israel (Original)]																		
Arrive to BG Airport							[Gantt bars for Arrive to BG Airport]																		

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



Date	Revision	Checked	Approved
02-Feb-16	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...







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

## One Month Look Ahead

01-Feb-16

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
								O	N	D	J	F	M	A	M	J	J
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>																	
<b>Milestones</b>																	
<b>Submittals</b>																	
<b>Construction Submittals</b>																	
<b>Material Submittals</b>																	
<b>Mechanical</b>																	
<b>Local Manufacturer</b>																	
CS689	Approval of Kitchen Equipment - Product Data	0		01-Feb-16			-78										
CS787	Prep&Submit Vibration Isolator for Equipments (Vibration Material for Concrete Base)	5	01-Feb-16	01-Feb-16	01-Jul-15		-98										
<b>Abroad Manufacturer ( Long Lead Items)</b>																	
CS567	Approval of Special Tools As Per Specs	0		01-Feb-16			-80										
<b>Electrical</b>																	
<b>Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)</b>																	
CS1385	Approval of Control Panel Instrumentation - Product Data&Certificates (Remaining Ite	0		03-Feb-16			-83										
CS1405	Approval of Spare Parts and Extra Material Based on Sec 17100	0		01-Feb-16			-80										
<b>Methods Statement &amp; Work Plans</b>																	
<b>Electrical</b>																	
CS738	Prep.&Submit Short Circuit Study Final	7	01-Feb-16	04-Feb-16	15-Aug-15		-101										
<b>Execution Phase</b>																	
<b>Project 1 Arraba Well Pump Station Rehabilitation &amp; Infrastructure Improvements</b>																	
<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	01-Feb-16	11-Feb-16			-81										
<b>Construction of New Pump Station</b>																	
<b>Balance Tank 1000 m3</b>																	
<b>Finishing Works</b>																	
<b>Metal Fabricated Works</b>																	
P1-BT-000290	Supply And Install Roof Air Vents	5	01-Feb-16	03-Feb-16	24-May-15		-74										
<b>Electrical &amp; Instrumentation Works</b>																	
P1-BT-E-00020	Cables & Electricity Supply & Installation	5	01-Feb-16	02-Feb-16	21-Oct-14		-85										
P1-BT-E-00030	Electrical Manhole&Panels	7	01-Feb-16	02-Feb-16	21-Oct-14		-88										
P1-BT-E-00040	Electrical Panels	3	02-Feb-16	06-Feb-16			-88										
P1-BT-E-00050	Lightning Protection System - VO8	10	01-Feb-16	11-Feb-16			-93										
P1-BT-E-00060	Process Control & Instrumentation	8	01-Feb-16	04-Feb-16	02-Jun-15		-87										
<b>Booster Pump System</b>																	
<b>Mechanical Works</b>																	
P1-BP-M-00070	Furnish & Install Isolation valves and Flow Meter on Discharge Piping	17	01-Feb-16	01-Feb-16	06-May-15		-84										
<b>Electrical &amp; Instrumentation Works</b>																	
P1-BP-E-00010	Furnish & Installation of Earthing, Ductbanks & Raceway	10	01-Feb-16	01-Feb-16	24-May-15		-84										
P1-BP-E-00020	Furnish & Installation and Termination of Transmission Pump Power ..etc	20	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00030	Furnish & Installation and Termination of Booster Control Valves Pump Power ..etc	19	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00040	Furnish, Installation and Termination of Miscellaneous Powe..etc - VO8	20	01-Feb-16	01-Feb-16	30-Jul-15		-84										
P1-BP-E-00050	Furnish & Install Lightning Protection, Recepticles & Process Control Instrumentation	20	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00060	Furnish & Install New Lightning Protection System On Booster Room Shade - VO8	5	01-Feb-16	01-Feb-16	14-Dec-15		-84										
<b>Additional Booster Pumps and VFD - VO6</b>																	
P1-BP-M-E-00020	Furnish and install air vacuum-air release valves DN 50, PN 40 with all required fitting	6	01-Feb-16	01-Feb-16	27-Dec-15		-84										
P1-BP-M-E-00030	Furnish and install structural steel and roofing including roof hatches and any other re	6	01-Feb-16	01-Feb-16	12-Jul-15		-84										
P1-BP-M-E-00040	Furnish and install grating, plates, embeds, ladders, and all other miscellaneous met	6	01-Feb-16	01-Feb-16	17-Nov-15		-84										
<b>Coatings &amp; Finishing Works</b>																	
P1-BP-000130	Furnish & Apply all Coatings	14	01-Feb-16	16-Feb-16			-97										

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



Date	Revision	Checked	Approved
02-Feb-16	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...







## ARW 22.2 “S” Curve

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

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

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOB#:	\$6,321,524.88
Revised Total Contract Value Less Day Work VOB#:	\$6,377,888.16
Revised Total Contract Value Less Day Work VOB#:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Completion Date VOB#:	577 CD
Revised Completion Date VOB#:	749 CD
Completion Date:	25-Apr-15
Revised Completion Date VOB#:	22-May-15
Revised Completion Date VOB#:	10-Nov-15
Data Date:	1-Nov-15

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

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Samur):	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,108.04
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,212.81
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,816.06
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	783 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

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

USD	
Original Total Contract Value Less Day Work:	\$493,434.98
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$493,435.00
Revised Total Contract Value Less Day Work as per VO #1:	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	13-Mar-14
Data Date:	12-May-15

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$780,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,306.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 4):	\$13,104,156.73
Revised Day Work Amount (VO #4):	\$671,393.14
Total Contract Value Less Day Work VOB#:	\$13,659,892.50
Day Work Value VOB#:	\$1,061,571.50
Total Contract Value Including Day Work VOB#:	\$14,721,856.00
Total Contract Value Less Day Work VOB#:	\$13,898,498.04
Day Work Value VOB#:	\$623,357.96
Total Contract Value Including Day Work VOB#:	\$14,721,856.00
Total Contract Value Less Day Work VOB#:	\$13,167,229.68
Day Work Value VOB#:	\$1,554,626.32
Total Contract Value Including Day Work VOB#:	\$14,721,856.00

	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	May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	Dec.15	Jan.16	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Planned Schedule Value	\$82,755.18	\$165,510.37	\$248,265.56	\$331,020.75	\$413,775.94	\$496,531.13	\$579,286.32	\$662,041.51	\$744,796.70	\$827,551.89	\$910,307.08	\$993,062.27	\$1,075,817.46	\$1,158,572.65	\$1,241,327.84	\$1,324,083.03	\$1,406,838.22	\$1,489,593.41	\$1,572,348.60	\$1,655,103.79	\$1,737,858.98	\$1,820,614.17	\$1,903,369.36	\$1,986,124.55	\$2,068,879.74	\$2,151,634.93	\$2,234,390.12	\$2,317,145.31	\$2,400,000.50	\$2,482,855.69	\$2,565,710.88	\$2,648,566.07	\$2,731,421.26	\$2,814,276.45	\$2,897,131.64	\$2,980,000.00	\$3,062,855.19	\$3,145,710.38	\$3,228,565.57	\$3,311,420.76	\$3,394,275.95	\$3,477,131.14	\$3,560,000.00	\$3,642,855.19	\$3,725,710.38	\$3,808,565.57	\$3,891,420.76	\$3,974,275.95	\$4,057,131.14	\$4,140,000.00	\$4,222,855.19	\$4,305,710.38	\$4,388,565.57	\$4,471,420.76	\$4,554,275.95	\$4,637,131.14	\$4,720,000.00	\$4,802,855.19	\$4,885,710.38	\$4,968,565.57	\$5,051,420.76	\$5,134,275.95	\$5,217,131.14	\$5,300,000.00	\$5,382,855.19	\$5,465,710.38	\$5,548,565.57	\$5,631,420.76	\$5,714,275.95	\$5,797,131.14	\$5,880,000.00	\$5,962,855.19	\$6,045,710.38	\$6,128,565.57	\$6,211,420.76	\$6,294,275.95	\$6,377,131.14	\$6,460,000.00	\$6,542,855.19	\$6,625,710.38	\$6,708,565.57	\$6,791,420.76	\$6,874,275.95	\$6,957,131.14	\$7,040,000.00	\$7,122,855.19	\$7,205,710.38	\$7,288,565.57	\$7,371,420.76	\$7,454,275.95	\$7,537,131.14	\$7,620,000.00	\$7,702,855.19	\$7,785,710.38	\$7,868,565.57	\$7,951,420.76	\$8,034,275.95	\$8,117,131.14	\$8,200,000.00	\$8,282,855.19	\$8,365,710.38	\$8,448,565.57	\$8,531,420.76	\$8,614,275.95	\$8,697,131.14	\$8,780,000.00	\$8,862,855.19	\$8,945,710.38	\$9,028,565.57	\$9,111,420.76	\$9,194,275.95	\$9,277,131.14	\$9,360,000.00	\$9,442,855.19	\$9,525,710.38	\$9,608,565.57	\$9,691,420.76	\$9,774,275.95	\$9,857,131.14	\$9,940,000.00	\$10,022,855.19	\$10,105,710.38	\$10,188,565.57	\$10,271,420.76	\$10,354,275.95	\$10,437,131.14	\$10,520,000.00	\$10,602,855.19	\$10,685,710.38	\$10,768,565.57	\$10,851,420.76	\$10,934,275.95	\$11,017,131.14	\$11,100,000.00	\$11,182,855.19	\$11,265,710.38	\$11,348,565.57	\$11,431,420.76	\$11,514,275.95	\$11,597,131.14	\$11,680,000.00	\$11,762,855.19	\$11,845,710.38	\$11,928,565.57	\$12,011,420.76	\$12,094,275.95	\$12,177,131.14	\$12,260,000.00	\$12,342,855.19	\$12,425,710.38	\$12,508,565.57	\$12,591,420.76	\$12,674,275.95	\$12,757,131.14	\$12,840,000.00	\$12,922,855.19	\$13,005,710.38	\$13,088,565.57	\$13,171,420.76	\$13,254,275.95	\$13,337,131.14	\$13,420,000.00	\$13,502,855.19	\$13,585,710.38	\$13,668,565.57	\$13,751,420.76	\$13,834,275.95	\$13,917,131.14	\$14,000,000.00	\$14,082,855.19	\$14,165,710.38	\$14,248,565.57	\$14,331,420.76	\$14,414,275.95	\$14,497,131.14	\$14,580,000.00	\$14,662,855.19	\$14,745,710.38	\$14,828,565.57	\$14,911,420.76	\$14,994,275.95	\$15,077,131.14	\$15,160,000.00	\$15,242,855.19	\$15,325,710.38	\$15,408,565.57	\$15,491,420.76	\$15,574,275.95	\$15,657,131.14	\$15,740,000.00	\$15,822,855.19	\$15,905,710.38	\$15,988,565.57	\$16,071,420.76	\$16,154,275.95	\$16,237,131.14	\$16,320,000.00	\$16,402,855.19	\$16,485,710.38	\$16,568,565.57	\$16,651,420.76	\$16,734,275.95	\$16,817,131.14	\$16,900,000.00	\$16,982,855.19	\$17,065,710.38	\$17,148,565.57	\$17,231,420.76	\$17,314,275.95	\$17,397,131.14	\$17,480,000.00	\$17,562,855.19	\$17,645,710.38	\$17,728,565.57	\$17,811,420.76	\$17,894,275.95	\$17,977,131.14	\$18,060,000.00	\$18,142,855.19	\$18,225,710.38	\$18,308,565.57	\$18,391,420.76	\$18,474,275.95	\$18,557,131.14	\$18,640,000.00	\$18,722,855.19	\$18,805,710.38	\$18,888,565.57	\$18,971,420.76	\$19,054,275.95	\$19,137,131.14	\$19,220,000.00	\$19,302,855.19	\$19,385,710.38	\$19,468,565.57	\$19,551,420.76	\$19,634,275.95	\$19,717,131.14	\$19,800,000.00	\$19,882,855.19	\$19,965,710.38	\$20,048,565.57	\$20,131,420.76	\$20,214,275.95	\$20,297,131.14	\$20,380,000.00	\$20,462,855.19	\$20,545,710.38	\$20,628,565.57	\$20,711,420.76	\$20,794,275.95	\$20,877,131.14	\$20,960,000.00	\$21,042,855.19	\$21,125,710.38	\$21,208,565.57	\$21,291,420.76	\$21,374,275.95	\$21,457,131.14	\$21,540,000.00	\$21,622,855.19	\$21,705,710.38	\$21,788,565.57	\$21,871,420.76	\$21,954,275.95	\$22,037,131.14	\$22,120,000.00	\$22,202,855.19	\$22,285,710.38	\$22,368,565.57	\$22,451,420.76	\$22,534,275.95	\$22,617,131.14	\$22,700,000.00	\$22,782,855.19	\$22,865,710.38	\$22,948,565.57	\$23,031,420.76	\$23,114,275.95	\$23,197,131.14	\$23,280,000.00	\$23,362,855.19	\$23,445,710.38	\$23,528,565.57	\$23,611,420.76	\$23,694,275.95	\$23,777,131.14	\$23,860,000.00	\$23,942,855.19	\$24,025,710.38	\$24,108,565.57	\$24,191,420.76	\$24,274,275.95	\$24,357,131.14	\$24,440,000.00	\$24,522,855.19	\$24,605,710.38	\$24,688,565.57	\$24,771,420.76	\$24,854,275.95	\$24,937,131.14	\$25,020,000.00	\$25,102,855.19	\$25,185,710.38	\$25,268,565.57	\$25,351,420.76	\$25,434,275.95	\$25,517,131.14	\$25,600,000.00	\$25,682,855.19	\$25,765,710.38	\$25,848,565.57	\$25,931,420.76	\$26,014,275.95	\$26,097,131.14	\$26,180,000.00	\$26,262,855.19	\$26,345,710.38	\$26,428,565.57	\$26,511,420.76	\$26,594,275.95	\$26,677,131.14	\$26,760,000.00	\$26,842,855.19	\$26,925,710.38	\$27,008,565.57	\$27,091,420.76	\$27,174,275.95	\$27,257,131.14	\$27,340,000.00	\$27,422,855.19	\$27,505,710.38	\$27,588,565.57	\$27,671,420.76	\$27,754,275.95	\$27,837,131.14	\$27,920,000.00	\$28,002,855.19	\$28,085,710.38	\$28,168,565.57	\$28,251,420.76	\$28,334,275.95	\$28,417,131.14	\$28,500,000.00	\$28,582,855.19	\$28,665,710.38	\$28,748,565.57	\$28,831,420.76	\$28,914,275.95	\$29,000,000.00	\$29,082,855.19	\$29,165,710.38	\$29,248,565.57	\$29,331,420.76	\$29,414,275.95	\$29,497,131.14	\$29,580,000.00	\$29,662,855.19	\$29,745,710.38	\$29,828,565.57	\$29,911,420.76	\$29,994,275.95	\$30,077,131.14	\$30,160,000.00	\$30,242,855.19	\$30,325,710.38	\$30,408,565.57	\$30,491,420.76	\$30,574,275.95	\$30,657,131.14	\$30,740,000.00	\$30,822,855.19	\$30,905,710.38	\$30,988,565.57	\$31,071,420.76	\$31,154,275.95	\$31,237,131.14	\$31,320,000.00	\$31,402,855.19	\$31,485,710.38	\$31,568,565.57	\$31,651,420.76	\$31,734,275.95	\$31,817,131.14	\$31,900,000.00	\$31,982,855.19	\$32,065,710.38	\$32,148,565.57	\$32,231,420.76	\$32,314,275.95	\$32,397,131.14	\$32,480,000.00	\$32,562,855.19	\$32,645,710.38	\$32,728,565.57	\$32,811,420.76	\$32,894,275.95	\$32,977,131.14	\$33,060,000.00	\$33,142,855.19	\$33,225,710.38	\$33,308,565.57	\$33,391,420.76	\$33,474,275.95	\$33,557,131.14	\$33,640,000.00	\$33,722,855.19	\$33,805,710.38	\$33,888,565.57	\$33,971,420.76	\$34,054,275.95	\$34,137,131.14	\$34,220,000.00	\$34,302,855.19	\$34,385,710.38	\$34,468,565.57	\$34,551,420.76	\$34,634,275.95	\$34,717,131.14	\$34,800,000.00	\$34,882,855.19	\$34,965,710.38	\$35,048,565.57	\$35,131,420.76	\$35,214,275.95	\$35,297,131.14	\$35,380,000.00	\$35,462,855.19	\$35,545,710.38	\$35,628,565.57	\$35,711,420.76	\$35,794,275.95	\$35,877,131.14	\$35,960,000.00	\$36,042,855.19	\$36,125,710.38	\$36,208,565.57	\$36,291,420.76	\$36,374,275.95	\$36,457,131.14	\$36,540,000.00	\$36,622,855.19	\$36,705,710.38	\$36,788,565.57	\$36,871,420.76	\$36,954,275.95	\$37,037,131.14	\$37,120,000.00	\$37,202,855.19	\$37,285,710.38	\$37,368,565.57	\$37,451,420.76	\$37,534,275.95	\$37,617,131.14	\$37,700,000.00	\$37,782,855.19	\$37,865,710.38	\$37,948,565.57	\$38,031,420.76	\$38,114,275.95	\$38,197,131.14	\$38,280,000.00	\$38,362,855.19	\$38,445,710.38	\$38,528,565.57	\$38,611,420.76	\$38,694,275.95	\$38,777,131.14	\$38,860,000.00	\$38,942,855.19	\$39,025,710.38	\$39,108,565.57	\$39,191,420.76	\$39,274,275.95	\$39,357,131.14	\$39,440,000.00	\$39,522,855.19	\$39,605,710.38	\$39,688,565.57	\$39,771,420.76	\$39,854,275.95	\$39,937,131.14	\$40,020,000.00	\$40,102,855.19	\$40,185,710.38	\$40,268,565.57	\$40,351,420.76	\$40,434,275.95	\$40,517,131.14	\$40,600,000.00	\$40,682,855.19	\$40,765,710.38	\$40,848,565.

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

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

	USD
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
Revised Total Contract Value Less Day Work VOM:	\$6,377,888.16
Revised Total Contract Value Less Day Work VOM:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Contract Duration VOM:	577 CD
Revised Contract Duration VOM:	749 CD
Completion Date:	25-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	1-Nov-15

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

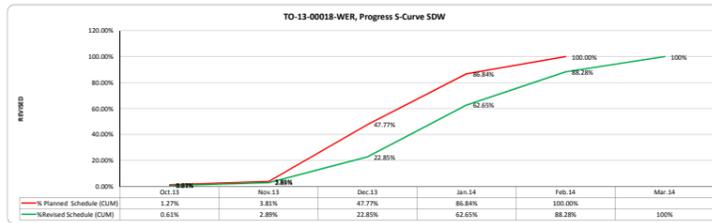
	USD
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,109.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,122.83
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,818.86
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	738 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

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

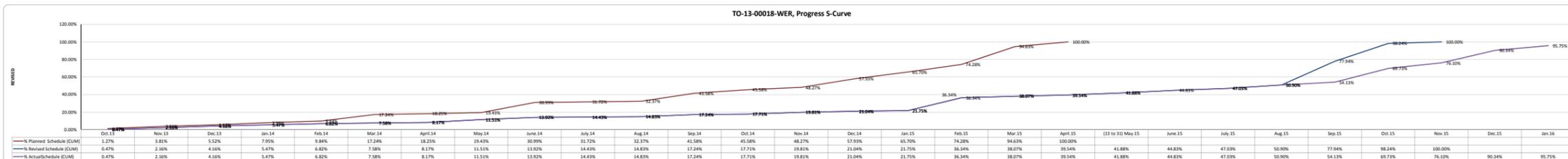
	USD
Original Total Contract Value Less Day Work:	\$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	\$493,635.00
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	13-Mar-14
Data Date:	12-May-15

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

	USD
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$760,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,360.19
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,802.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91



	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		\$493,634.98
Planned Schedule Value (CUM)	\$5,484.83	\$18,805.14	\$268,937.64	\$468,933.69	\$493,634.98		\$493,634.98
Revised Schedule Value	\$2,309.40	\$4,618.79	\$75,122.68	\$149,777.68	\$94,483.62	\$44,110.65	\$376,334.82
Revised Schedule Value (CUM)	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82		\$376,334.82
% Planned Schedule (CUM)	1.27%	2.54%	43.96%	39.07%	13.16%		100%
% Planned Schedule (CUM)	1.27%	3.81%	47.77%	66.84%	100.00%		100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	11.72%	100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.88
Revised Total Contract Value Less Day Work VOM:	\$6,327,888.55
Revised Total Contract Value Less Day Work VOM:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Contract Duration VOM:	577 CD
Revised Contract Duration VOM:	749 CD
Completion Date:	25-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	1-Nov-15

PROJECT 2 Samur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Samur):	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,109.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,122.83
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,935.86
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	789 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$493,635.00
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	130 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	13-Mar-14
Data Date:	12-May-15

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$760,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,802.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91

	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	(13 to 31) May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	TOTAL		
Planned Schedule Value	\$178,055.32	\$186,118.65	\$289,531.63	\$340,883.76	\$265,630.41	\$1,036,588.88	\$142,064.98	\$160,787.18	\$1,021,107.65	\$101,526.35	\$91,263.33	\$1,291,207.84	\$561,137.67	\$377,096.76	\$1,350,243.65	\$1,089,356.97	\$1,203,071.89	\$2,803,307.27	\$752,921.71												\$14,021,856.90
Revised Schedule Value (CUM)	\$178,055.32	\$524,165.97	\$773,697.60	\$1,114,561.36	\$2,150,197.13	\$2,857,813.97	\$2,770,192.54	\$2,952,502.65	\$3,442,262.83	\$4,203,487.84	\$5,267,910.89	\$6,057,673.91	\$7,182,846.02	\$8,178,324.99	\$12,056,319.68	\$13,283,860.66	\$13,781,338.08	\$14,021,856.90													\$14,021,856.90
Actual Schedule Value (CUM)	\$65,599.25	\$214,619.99	\$278,252.90	\$182,607.20	\$186,654.03	\$106,550.45	\$81,860.67	\$460,304.94	\$339,861.32	\$71,014.74	\$54,772.50	\$335,898.68	\$64,623.65	\$292,569.32	\$2,078,907.16	\$3,008,823.64	\$2,816,883.47	\$4,050,050.49	\$2,004,119.62	\$224,411.44	\$410,017.78	\$306,079.33	\$538,290.88	\$2,758,424.88	\$2,820,578.42	\$245,186.21				\$13,898,838.04	
Actual Schedule Value																									\$448,642.07	\$2,168,335.64	\$885,037.25	\$1,979,278.09	\$712,281.33		
Actual Schedule Value (CUM)																									\$7,523,280.50	\$9,691,616.14	\$10,576,653.39	\$12,555,931.48	\$13,808,212.81		
% Planned Schedule	1.27%	2.54%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	11.56%	0.72%	0.65%	9.21%	4.00%	2.69%	9.67%	7.77%	8.58%	20.35%	5.37%											100.00%	
% Revised Schedule (CUM)	1.27%	3.81%	5.52%	7.95%	8.84%	17.24%	18.23%	19.43%	30.99%	31.72%	32.37%	41.58%	45.58%	48.27%	57.93%	65.70%	74.28%	94.63%	100.00%												100.00%
% Revised Schedule	0.47%	2.00%	2.00%	1.31%	1.34%	0.77%	0.59%	2.34%	2.40%	0.52%	0.39%	2.42%	0.46%	2.30%	1.23%	1.43%	14.58%	1.73%	1.47%	2.33%	2.93%	2.87%	27.08%	28.59%	77.94%	98.24%	100.00%	1.76%	100.00%		
% Revised Schedule (CUM)	0.47%	2.81%	4.16%	5.47%	6.82%	7.58%	8.17%	11.51%	13.92%	14.43%	17.24%	17.71%	19.81%	21.06%	21.79%	26.34%	38.07%	39.54%	41.88%	44.83%	47.03%	50.96%	54.13%	54.13%	68.73%	76.10%	84.24%	95.41%	95.79%		
% Actual Schedule																									5.41%	15.60%	6.37%	14.24%	5.41%		
% Actual Schedule (CUM)																									54.13%	68.73%	76.10%	80.24%	85.79%		

## ARW 22.3 Site Memos Log

**DISCLAIMER:**

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NOA Date: September 23, 2014  
 NTP Date: October 25, 2014  
 Current as Date: February 4, 2016

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

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-041	Third Party Field Test Results	January 21, 2016		SM is referred to ARW & SNW Project
SM-13-00018-ARW-E-C-042	Initial Punch List for ARW Project	January 27, 2016		SM is referred to ARW Project

## ARW 22.4 Material & 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		
<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Oty</b>	<b>Location</b>
1	January 1, 2016	None	-	-
2	January 2, 2016	None	-	-
3	January 3, 2016	None	-	-
4	January 4, 2016	None	-	-
5	January 5, 2016	None	-	-
6	January 6, 2016	None	-	-
7	January 7, 2016	None	-	-
8	January 8, 2016	None	-	-
9	January 9, 2016	None	-	-
10	January 10, 2016	None	-	-
11	January 11, 2016	None	-	-
12	January 12, 2016	None	-	-
13	January 13, 2016	None	-	-
14	January 14, 2016	None	-	-
15	January 15, 2016	None	-	-
16	January 16, 2016	None	-	-
17	January 17, 2016	None	-	-
18	January 18, 2016	None	-	-
19	January 19, 2016	None	-	-
20	January 20, 2016	None	-	-
21	January 21, 2016	None	-	-
22	January 22, 2016	None	-	-
23	January 23, 2016	None	-	-
24	January 24, 2016	None	-	-
25	January 25, 2016	None	-	-
26	January 26, 2016	None	-	-
27	January 27, 2016	None	-	-
28	January 28, 2016	None	-	-
29	January 29, 2016	Single Size	20 m <sup>3</sup>	Arraba Well
30	January 30, 2016	None	-	-
31	January 31, 2016	Concrete B350	27 m <sup>3</sup>	Arraba well

## 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	January 1, 2016	JCB Back Hole-1993-1			1
2		Steel Compactor			2
3		Mercedes 416-2002			
4		Crane			1
5		Level			1
6		Total Station			1
7		Concrete Vibrator			1
8	January 2, 2016	JCB Back Hole-1993-1			1
9		Steel Compactor			2
10		Mercedes 416-2002	1	8	
11		Crane			1
12		Level			1
13		Total Station			1
14		Concrete Vibrator			1
15	January 3, 2016	JCB Back Hole-1993-1			1
16		Steel Compactor			2
17		Mercedes 416-2002	1	8	
18		Crane			1
19		Level			1
20		Total Station			1
21		Concrete Vibrator			1
22	January 4, 2016	JCB Back Hole-1993-1			1
23		Steel Compactor			2
24		Mercedes 416-2002	1	8	
25		Crane			1
26		Level			1
27		Total Station			1
28		Concrete Vibrator			1
29	January 5, 2016	JCB Back Hole-1993-1			1
30		Steel Compactor			2
31		Mercedes 416-2002	1	8	
32		Crane			1
33		Level			1
34		Total Station			1
35		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
36	January 6, 2016	JCB Back Hole-1993-1			1
37		Steel Compactor			2
38		Mercedes 416-2002	1	8	
39		Rig			1
40		Level			1
41		Total Station			1
42		Concrete Vibrator			1
43		Crane			1
44		January 7, 2016	JCB Back Hole-1993-1		
45	Steel Compactor				2
46	Mercedes 416-2002		1	8	
47	Rig				1
48	Level				1
49	Total Station				1
50	Concrete Vibrator				1
51	Crane				1
52	January 8, 2016		JCB Back Hole-1993-1		
53		Steel Compactor			2
54		Mercedes 416-2002			
55		Rig			1
56		Level			1
57		Total Station			1
58		Concrete Vibrator			1
59		Crane			1
60		January 9, 2016	JCB Back Hole-1993-1		
61	Steel Compactor				2
62	Mercedes 416-2002		1	8	
63	Rig				1
64	Level				1
65	Total Station				1
66	Concrete Vibrator				1
67	Crane				1
68	January 10, 2016		JCB Back Hole-1993-1		
69		Steel Compactor			2
70		Mercedes 416-2002	1	8	
71		Rig			1
72		Level			1
73		Total Station			1
74		Concrete Vibrator			1
75		Crane			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
76	January 11, 2016	JCB Back Hole-1993-1			1
77		Steel Compactor			2
78		Mercedes 416-2002	1	8	
79		Rig			1
80		Level			1
81		Total Station			1
82		Concrete Vibrator			1
83		Crane			1
84		January 12, 2016	JCB Back Hole-1993-1		
85	Steel Compactor				2
86	Mercedes 416-2002		1	8	
87	Rig				1
88	Level				1
89	Total Station				1
90	Concrete Vibrator				1
91	Crane				1
92	January 13, 2016		JCB Back Hole-1993-1		
93		Steel Compactor			2
94		Mercedes 416-2002	1	8	
95		Rig			1
96		Level			1
97		Total Station			1
98		Concrete Vibrator			1
99		Crane			1
100		January 14, 2016	JCB Back Hole-1993-1		
101	Steel Compactor				2
102	Mercedes 416-2002		1	8	
103	Rig				1
104	Level				1
105	Total Station				1
106	Concrete Vibrator				1
107	Crane				1
108	January 15, 2016		JCB Back Hole-1993-1		
109		Steel Compactor			2
110		Mercedes 416-2002			
111		Rig			1
112		Level			1
113		Total Station			1
114		Concrete Vibrator			1
115		Crane			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
116	January 16, 2016	JCB Back Hole-1993-1			1
117		Steel Compactor			2
118		Mercedes 416-2002	1	8	
119		Rig			1
120		Level			1
121		Total Station			1
122		Concrete Vibrator			1
123		Crane	1	4	
124		January 17, 2016	JCB Back Hole-1993-1		
125	Steel Compactor				2
126	Mercedes 416-2002		1	8	
127	Rig		1	8	
128	Truck		1	4	
129	Level				1
130	Total Station				1
131	Concrete Vibrator				1
132	Crane		1	8	
133	January 18, 2016	JCB Back Hole-1993-1			1
134		Steel Compactor			2
135		Mercedes 416-2002	1	8	
136		Rig	1	9	
137		Truck	1	4	
138		Level			1
139		Total Station			1
140		Concrete Vibrator			1
141		Crane	1	9	
142	January 19, 2016	JCB Back Hole-1993-1			1
143		Steel Compactor			2
144		Mercedes 416-2002	1	8	
145		Rig	1	6	
146		Truck	1	4	
147		Level			1
148		Total Station			1
149		Concrete Vibrator			1
150		Crane	1	6	
151	January 20, 2016	JCB Back Hole-1993-1			1
152		Steel Compactor			2
153		Mercedes 416-2002	1	8	
154		Rig	1	9	
155		Truck	1	4	
156		Level			1
157		Total Station			1
158		Concrete Vibrator			1
159		Crane	1	9	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
160	January 21, 2016	JCB Back Hole-1993-1			1
161		Steel Compactor			2
162		Mercedes 416-2002	1	8	
163		Rig	1	8	
164		Truck	1	4	
165		Level			1
166		Total Station			1
167		Concrete Vibrator			1
168		Crane	1	8	
169	January 22, 2016	JCB Back Hole-1993-1	1	8	
170		Steel Compactor			2
171		Mercedes 416-2002	1	8	
172		Rig			1
173		Tractor	1	8	
174		Level			1
175		Total Station			1
176		Concrete Vibrator			1
177		Crane			1
178	January 23, 2016	JCB Back Hole-1993-1	1	4	
179		Steel Compactor			2
180		Mercedes 416-2002	1	8	
181		Rig			1
182		Tractor	1	4	
183		Level			1
184		Total Station			1
185		Concrete Vibrator			1
186		Crane			1
187	January 24, 2016	JCB Back Hole-1993-1			1
188		Steel Compactor			2
189		Mercedes 416-2002	1	8	
190		Rig			1
191		Level			1
192		Total Station			1
193		Concrete Vibrator			1
194		Crane			1
195	January 25, 2016	JCB Back Hole-1993-1			1
196		Steel Compactor			2
197		Mercedes 416-2002	1	8	
198		Rig			1
199		Level			1
200		Total Station			1
201		Concrete Vibrator			1
202		Crane			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
203	January 26, 2016	JCB Back Hole-1993-1			1
204		Steel Compactor			2
205		Mercedes 416-2002			
206		Rig			1
207		Level			1
208		Total Station			1
209		Concrete Vibrator			1
210		Crane			1
211		January 27, 2016	JCB Back Hole-1993-1	1	8
212	Steel Compactor				2
213	Mercedes 416-2002				
214	Rig				1
215	Level				1
216	Total Station				1
217	Concrete Vibrator				1
218	Crane				1
219	January 28, 2016	JCB Back Hole-1993-1	1	2	
220		Steel Compactor			2
221		Mercedes 416-2002			
222		Rig			1
223		Level			1
224		Total Station			1
225		Concrete Vibrator			1
226		Crane			1
227	January 29, 2016	JCB Back Hole-1993-1	1	8	
228		Steel Compactor			2
229		Mercedes 416-2002	1	8	
230		Rig			1
231		Level			1
232		Total Station			1
233		Concrete Vibrator			1
234		Crane			1
235	January 30, 2016	JCB Back Hole-1993-1			1
236		Steel Compactor			2
237		Mercedes 416-2002			
238		Rig			1
239		Level			1
240		Total Station			1
241		Concrete Vibrator			1
242		Crane			1
243	January 31, 2016	JCB Back Hole-1993-1			1
244		Steel Compactor			2
245		Mercedes 416-2002			
246		Rig			1
247		Level			1
248		Total Station			1
249		Concrete Vibrator			1
250		Crane			1

## ARW 22.5 Inspection Requests 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.

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

**Inspection Requests Log**
**IRD/BV**
**Task Order:** AID-294-TO-13-00018

**Project:** Wells Rehabilitation Project (WER)

**Sender/ Recipient** IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-049-B	January 31, 2016	January 31, 2016	Inspecting Low Voltage Cables as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-070-B	January 31, 2016	January 31, 2016	Inspecting fans as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-120-B	January 7, 2016	January 10, 2016	Inspecting Butterfly Valve DN:300mm, Cl. 150 as per attached MRR.	January 10, 2016	A		
IR-13-00018-WER-133-B	January 31, 2016	January 31, 2016	Inspecting Panel Boards as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-144-B	January 31, 2016	January 31, 2016	Inspecting Intrusion Switch as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-146-B	January 3, 2016	January 3, 2016	Inspecting Generator Box as per attached MRR	January 3, 2016	A		
IR-13-00018-WER-151-A	January 4, 2016	January 4, 2016	Inspection Compliance of Environmental Status with Contract Requirements for November 2015-Environmental Check List	January 4, 2016	A		
IR-13-00018-WER-152-A	January 4, 2016	January 4, 2016	Inspecting Chlorine Injectors as per attached MRR	January 4, 2016	A		
IR-13-00018-WER-153-A	January 5, 2016	January 5, 2016	Inspecting Well Pump oiling system as per attached MRR	January 5, 2016	A		
IR-13-00018-WER-154-A	January 18, 2016	January 18, 2016	Inspecting Bermad Control Valves Spare Parts as per attached MRR	January 18, 2016	A		

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

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

Task Order:		AID-294-TO-13-00018						
Project:		Wells Rehabilitation Project						
Sender/ Recipient		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-522-B	January 31, 2016	January 31, 2016	Inspecting Arraba Panel Boards as per attached MRR.	January 31, 2016	A			
IR-13-00018-ARW-526-A	January 4, 2016	January 4, 2016	Inspect floor & wall tiles of the LQ building	January 4, 2016	A			
IR-13-00018-ARW-587-B	January 11, 2016	January 11, 2016	Inspecting surface preparation of retaining walls as per attached drawing.	January 11, 2016	A			
IR-13-00018-ARW-592-B	January 6, 2016	January 7, 2016	Inspecting installed site Lights for Poles # PL1, PL2 PL3 & PL5.	January 7, 2016	A			
IR-13-00018-ARW-600-B	January 18, 2016	January 18, 2016	Inspecting installed AC units for living quarter	January 18, 2016	A			
IR-13-00018-ARW-601-B	January 31, 2016	January 31, 2016	Inspecting installed exhaust fan for living quarter	January 31, 2016	A			
IR-13-00018-ARW-602-B	January 5, 2016	January 5, 2016	Inspecting installed sodium hypochlorite system	January 5, 2016	A			
IR-13-00018-ARW-606-A	January 3, 2016	January 3, 2016	Inspecting installed Operator Panel	January 3, 2016	A			
IR-13-00018-ARW-607-A	January 3, 2016	January 3, 2016	Inspecting installed Portable Generator Box	January 3, 2016	A			
IR-13-00018-ARW-608-A	January 4, 2016	January 4, 2016	Inspecting installed Indoor AC Units for LQ	January 4, 2016	A			
IR-13-00018-ARW-609-A	January 4, 2016	January 4, 2016	Inspect the internal painting second (Final) coat of the buildings (LQ, EMR & EC)	January 4, 2016	A			
IR-13-00018-ARW-610-A	January 4, 2016	January 4, 2016	Inspect the first applied Emulsion paint for ceiling of Chlorination Building	January 4, 2016	A			
IR-13-00018-ARW-611-A	January 5, 2016	January 5, 2016	Inspect the second (final) applied Emulsion paint for ceiling of Chlorination Building	January 5, 2016	A			
IR-13-00018-ARW-612-A	January 5, 2016	January 5, 2016	Inspecting installed Arraba Booster Pumps	January 5, 2016	A			
IR-13-00018-ARW-613-A	January 5, 2016	January 5, 2016	Inspecting installed Arraba Surge Tanks	January 5, 2016	A			
IR-13-00018-ARW-614-A	January 6, 2016	January 7, 2016	Inspect the installed cable tray inside the electrical trenches of the EC and EM buildings	January 7, 2016	A			
IR-13-00018-ARW-615-A	January 6, 2016	January 7, 2016	Inspecting chlorination building panels	January 7, 2016	A			
IR-13-00018-ARW-616-A	January 6, 2016	January 7, 2016	Inspecting lights and receptacles for booster pump station	January 7, 2016	A			
IR-13-00018-ARW-617-A	January 6, 2016	January 6, 2016	Inspect the Installed and Connected to Yard Piping BT all Pipes and Appurtenances	January 6, 2016	A			
IR-13-00018-ARW-618-A	January 13, 2016	January 13, 2016	Inspect the installed Transformer	January 13, 2016	A			
IR-13-00018-ARW-619-A	January 14, 2016	January 14, 2016	Inspect safety regulation and arrangement prior to shutdown Arraba well	January 16, 2016	A			
IR-13-00018-ARW-620-A	January 18, 2016	January 18, 2016	Inspecting access road Base course levels – Second layer	January 18, 2016	C			
IR-13-00018-ARW-621-A	January 31, 2016	January 31, 2016	Inspect the level (267.00) and alignment of the installation of the sole plate - well casing extension	January 31, 2016	A			
IR-13-00018-ARW-622-A	January 31, 2016	January 31, 2016	Inspect the excavation level (265.10) of the well head pad prior steel rebaring and formwork	January 31, 2016	A			
IR-13-00018-ARW-623-A	January 31, 2016	January 31, 2016	Inspecting formwork, reinforcement steel and the installed electrical conduits of the well head pad prior to casting concrete.	January 31, 2016	A			

## ARW 22.6 Submittals Log

**DISCLAIMER:**

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Submittal Categories	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE/OTHER TEST REPORT SCHEDULE REPORT SAMPLE COMPLETION & CLOSEOUT MATERIAL	Submittal Classification PCS CONS PSTS	Procurement Construction Post construction	Identifiers WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SOW : Project 3 Identifier	From Submittal SUB-18-WER-001-A From RE-Submittal SUB-18-WER-001-B Second Resubmittal SUB-18-WER-001-C	Resubmittal Alpha Identifier	Submittal Disposition / Color Coding	
							Submittal Disposition	Color Coding
PD	PRODUCT DATA	PCS	Construction	WER Well Rehabilitation Project	From Submittal SUB-18-WER-001-A		Submittal Disposition	Color Coding
SD	SHOP DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	From RE-Submittal SUB-18-WER-001-B		No Exception Noted	Blue
AD	ADMINISTRATIVE/OTHER	PSTS	Post construction	SNW : Project 2 Identifier	Second Resubmittal SUB-18-WER-001-C		Minor Correction Noted	Yellow
TR	TEST REPORT			SOW : Project 3 Identifier			Approved and Resubmitted	Green
SCH	SCHEDULE						Rejection/Revision	Red
RPT	REPORT						Review Not Required	White
SMP	SAMPLE						Submittal Pending Response	Orange
CO	COMPLETION & CLOSEOUT							
MAT	MATERIAL							

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-SNW-1167-B	Well and Booster Pumps Testing Procedure and Commissioning - Samur	Section: 01660	AD	CONS	SUB	SNW			B		From main contractor directly	January 4, 2016		February 3, 2016	January 7, 2016	3	B	
SUB-13-00018-WER-1379-B	Training Handouts of VFD 120CP	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016		February 23, 2016				Pending
SUB-13-00018-WER-1380-B	Training Handouts of VFD 150CP	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016		February 23, 2016				Pending
SUB-13-00018-ARW-1432-B	Arraba Retaining wall Segment D-D Shop Drawings	Section: 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			B		January 7, 2016	January 12, 2016		February 11, 2016	January 18, 2016	6	A	
SUB-13-00018-WER-1516-B	Fire Extinguisher Installation Shop Drawings	Section: 10520	PD	CONS	SUB	WER			B		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-00018-WER-1523-B	PLC Training Material	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016						Pending
SUB-13-00018-SNW-1535-A	As-Built Drawings (Civil, Mechanical and Electrical)for Samur Living Quarter building	Section: 01500- Paragraph: 1.7B	SD	CONS	SUB	SNW			A		January 23, 2016	January 24, 2016						Pending
SUB-13-00018-SNW-1545-A	Completion Report for Samur Well (VTLS) New Well Pump Installation	Section: 11101	AD	CONS	SUB	SNW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-00018-ARW-1546-A	Preliminary Operation & Maintenance Manual/Section 3B- Low Voltage Cable - Arraba	Section: 16120- Paragraph: 2.2A	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-00018-SNW-1547-A	Preliminary Operation & Maintenance Manual/Section 3B- Low Voltage Cable - Samur	Section: 16120- Paragraph: 2.2A	AD	CONS	SUB	SNW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-00018-ARW-1548-A	Preliminary Operation & Maintenance Manual/Section 3C- Lighting Fixtures - Arraba	Section: 01300, 16500	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-00018-SNW-1549-A	Preliminary Operation & Maintenance Manual/Section 3C- Lighting Fixtures - Samur	Section: 01300, 16500	AD	CONS	SUB	SNW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-00018-ARW-1550-A	Preliminary Operation & Maintenance Manual/Section 9J- Submersible Sump Pumps - Arraba	Section: 11149- Paragraph: 2.1 & 2.2	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-00018-SNW-1551-A	Preliminary Operation & Maintenance Manual/Section 9J- Submersible Sump Pumps - Samur	Section: 11149- Paragraph: 2.1 & 2.2	AD	CONS	SUB	SNW			A		January 5, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-00018-ARW-1552-A	Certificate of Proper Installation for Arraba Additional Booster Pumps	Section 11103 & Contractor's Manual Sec. 7	AD	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-00018-ARW-1553-A	Certificate of Proper Installation for Arraba Surge Tanks	Section 13206 & Contractor's Manual Sec. 7	AD	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-00018-ARW-1554-A	Test Certificates for Arraba Additional Booster Valves & Fittings	Section 15217- Paragraph: 2.2.1-C	TR	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-00018-SNW-1555-A	Coordination Study and Arc Flash Label	Section: 16431	AD	CONS	SUB	SNW			A		From main contractor directly	January 13, 2016		February 12, 2016				Pending
SUB-13-00018-ARW-1556-A	Updated Safety Plan for Working at Night - Arraba	Contractor's Manual -Sec.4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	ARW			A		From main contractor directly	January 14, 2016		February 13, 2016	January 24, 2016	10	B	
SUB-13-00018-SNW-1557-A	Preliminary Operation & Maintenance Manuals/Section 3K/ Lighting and Earthing System - Samur	Section: 16670	AD	CONS	SUB	SNW			A		January 16, 2016	January 17, 2016		February 16, 2016	January 24, 2016	7	B	
SUB-13-00018-ARW-1558-A	Preliminary Operation & Maintenance Manuals/Section 3K/ Lighting and Earthing System - Arraba	Section: 16670	AD	CONS	SUB	ARW			A		January 16, 2016	January 17, 2016		February 16, 2016	January 24, 2016	7	B	
SUB-13-00018-SNW-1559-A	Certificate of Proper Installation for Samur Well Pump	Section 11101 & Contractor's Manual Sec. 7	AD	CONS	SUB	SNW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-WER-1560-A	Monthly Safety Plan Update - December 2015	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-WER-1561-A	Monthly Risk Management Plan Update - December 2015	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-WER-1562-A	Monthly Environmental Plan Update and Mitigation Plan Update-December 2015	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-ARW-1563-A	Test Results for Disinfection of Arraba BT (Compartment 1 & 2)	Section: 01650	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 20, 2016	0	A	
SUB-13-00018-ARW-1564-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Fence Wall Segment C-G Metering and Control Pad	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-ARW-1565-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Segment D-D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-ARW-1566-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-ARW-1567-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement (Area 2.1/Rep(1,2 & 3) and Area 3/Rep (4 & 5)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-ARW-1568-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement (Area 4)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-00018-SNW-1569-A	Test Report on Natural Sand - Samur (McMar Plan)	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	C	
SUB-13-00018-SNW-1570-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Well Head, Stage 1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	A	
SUB-13-00018-SNW-1571-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Well Head, Stage 2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	A	
SUB-13-00018-ARW-1572-A	Test Report on Concrete Compressive Strength at 28 Days of Age - LQ Side Walk	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	C	
SUB-13-00018-ARW-1573-A	Test Report on Concrete Compressive Strength at 35 Days of Age - Yard Pavement (Area 1)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	C	
SUB-13-00018-ARW-1574-A	Preliminary Operation & Maintenance Manual/Section 9D/ Fire Extinguishers - Arraba	Section: 10520	AD	CONS	SUB	ARW			A		January 21, 2016	January 21, 2016		February 20, 2016	January 27, 2016	6	B	
SUB-13-00018-SNW-1575-A	Preliminary Operation & Maintenance Manual/Section 9D/ Fire Extinguishers - Samur	Section: 10520	AD	CONS	SUB	SNW			A		January 21, 2016	January 21, 2016		February 20, 2016	January 27, 2016	6	B	
SUB-13-00018-WER-1576-A	Certificates of Proper Installation for VFDs & Switch Gear	Section 16362, 16457 & Contractor's Manual Sec. 7	AD	CONS	SUB	WER			A		From main contractor directly	January 24, 2016		February 23, 2016	January 31, 2016	7	A	
SUB-13-00018-SNW-1577-A	Updated Start-Up Procedure - Samur Well	Section 01660	AD	CONS	SUB	SNW			A		From main contractor directly	January 24, 2016		February 23, 2016	January 31, 2016	7	B	
SUB-13-00018-ARW-1578-A	QC Monthly Report December 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	January 25, 2016		February 24, 2016	January 28, 2016	3	B	
SUB-13-00018-SNW-1579-A	Field Tests (Instrumentation Calibration & Settings, Cable's Insulation and Motor's Insulation)	Section 16050	TR	CONS	SUB	SNW			A		From main contractor directly	January 25, 2016		February 24, 2016	January 28, 2016	3	A	
SUB-13-00018-ARW-1580-A	Preliminary Operation & Maintenance Manual/Section 4/ PLC Based Control System Hardware and Software - Arraba	Section: 17510 & 17520	AD	CONS	SUB	ARW			A		January 27, 2016	January 28, 2016		February 27, 2016				Pending
SUB-13-00018-WER-1581-A	Surge Tanks Warranties for Arraba & Samur	Section: 13206	AD	CONS	SUB	WER			A		From main contractor directly	January 28, 2016		February 27, 2016	January 31, 2016	3	A	
SUB-13-00018-SNW-1582-A	Preliminary Operation & Maintenance Manual/Section 3H/ Low Voltage Motor Control Center - Samur	Section: 16480	AD	CONS	SUB	SNW			A		January 28, 2016	January 28, 2016		February 27, 2016				Pending
SUB-13-00018-WER-1583-A	AC Units Trainer CV	Section: 01670	AD	CONS	SUB	WER			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending
SUB-13-00018-SNW-1584-A	Electrical Field Tests (Fire Alarm System, Lighting & Power Receptacles, Intrusion Switch & Earthing System)	Section 16050	TR	CONS	SUB	SNW			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending
SUB-13-00018-SNW-1585-A	Hardened Concrete Cores Test Report for Samur Reinforced Concrete Pavement- Stage 1 & 2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending

## ARW 22.7 Requests for Information Log

**DISCLAIMER:**

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**NTP: 23-Oct-13**

**Task Order: Task Order: 00018-WER**

**NOA: 25-Sep-13**

**Projects:** Project 1-ARW Arraba Well Pump Station  
 Project 2-SNW Sanur Well Pump Station  
 Project 3-SDW Saadeh Well Rehabilitation

**Request for Information Log**

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Needed by	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
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No RFIs were submitted during the reporting period

## ARW 22.8 Variation Order Request and Variation Order Log

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

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 Vos issued during the reporting period

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

**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			
VOR-00018-WER-031-A	January 6, 2016		ARW 103 cd SNW 78 cd	285742.2 \$	-	-	1- ARDAN Letter confirming compliance with specs. 2- SIEMENS Letter and VFDs procurement overview. 3- Security delays log. 4- DJRs. 5- E-mails from IRD security coordinator. 6- E-mails from USAID and BV. 7- E-mails from AGC. 8- Letter from pumps manufacturer. 9- Letter to DCL. 10- Security coordination tracking log. 11- Time impact analyses as of November 30, 2015. 12- SNW+ARW-Shutdown schedule October 31st 2015. 13- SNW+ARW Shutdown schedule November 26th, 2015. 14- SNW+ARW-Shutdown schedule November 30th, 2015. 15- Email from WBWD to postponed shutdown date. 16- Email from Logging company-(Lapidoth). 17- IRD and AGC Delays cost breakdown.	Delays Due to Damaged VFDs and Recently Encountered Prevailing Security Conditions and Closures in the Area		
VOR-00018-WER-032-A	January 10, 2016	January 17, 2016	0	36,304.00	-	-	1- Price Quotation Breakdown (Excel). 2- PN 40 ARV offer. 3- Flanged valve offer. 4- PN 16 ARV offer. 5- Threaded valve offer. 6- Referenced BoQ items. 7- Referenced drawing sheets (3M-1 & 3M-3).	Booster Pumps and Barrels Air Vent System.	No entitlement	

## ARW 22.9 Employment Generated Data

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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  
 Temproray 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*	Total Job Days (Males)	Total Job Days (Females)	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	5	0	0	0	0	5	0	5	0	
November	2013	44	0	4	5	1	53	2	53	0	
December	2013	53	21	30	14	27	144	6	136	8	
January	2014	65	60	100	55	88	368	15	339	29	
February	2014	64	62	57	87	102	371	16	342	29	
March	2014	75	78	171	122	105	550	23	508	42	
April	2014	78	77	129	85	178	547	23	482	65	
May	2014	84	83	263	141	233	803	34	738	65	
June	2014	78	78	277	163	225	820	34	768	52	
July	2014	72	69	208	113	195	656	28	609	47	
August	2014	78	78	247	161	220	784	33	732	52	
September	2014	82	79	232	155	194	742	31	695	47	
Total of FY 2014							5843	245.4989496	5407	436	
October	2014	67	66	163	131	188	615	26	582	33	
November	2014	80	79	217	157	189	721	30	682	39	
December	2014	80	81	204	134	202	701	29	660	41	
January	2015	72	71	164	112	202	620	26	584	36	
February	2015	69	67	142	108	181	565	24	518	47	
March	2015	81	80	192	178	217	747	31	681	66	
April	2015	79	77	164	168	216	704	30	640	64	
May	2015	78	77	169	159	233	717	30	653	64	
June	2015	78	76	134	139	229	656	28	593	63	
July	2015	58	63	102	96	226	544	23	492	52	
August	2015	68	68	158	169	239	701	29	647	54	
September	2015	58	58	145	142	219	621	26	575	46	
Total of FY 2015							7911	332.4054622	7307	604	
October	2015	60	65	207	148	242	722	30	670	52	
November	2015	65	65	258	174	236	798	34	746	52	
December	2015	68	68	199	159	259	752	32	674	78	
January	2016	66	78	134	72	249	598	25	520	78	
February	2016										
March	2016										
April	2016										
May	2016										
June	2016										
July	2016										
August	2016										
September	2016										
Total of FY 2016							2871	120.6197479	2611	260	

Note :  
 \* No of Full Time Equivalent (FTE) Jobs in the Month = Total Job Days / Avg. Days in the Month(23.8)  
 \*\* This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

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: Well Rehabilitation Project  
 Sub-project or Activity Name: Arraba Well Pump Station  
 CONTRACTOR: IBD  
 SUBCONTRACTOR: M-Abbasid

DATE	Site Staff Job Days **																							Man-days*							
	Management				Engineers				Worker/Classification (Hours)										Others				Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other				
	Task Order Manager	Quality Control Manager	Safety & Env. Manager	Project Manager #1, #2, etc.	Document Control Engineer (D)	Document Control Engineer	Civil Engineer (E)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Electrician	Equipment Operator	Diagram	Unskilled Labor	Grand Foreman	Janitor (J)	Junior	Document Control Officer	Surveyor	Survey Assistant	CWI						Geologist	Driver	Inspector	AC Technician
January 1, 2016	4													8	40												0.5	0	0	1	5
January 2, 2016	4	4	4	8	4	4	4	4	8	8	8	8			40	16	8		4								2.5	3	2	0	8.5
January 3, 2016	4	4	4	8	4	4	4	4	8	8	8	8			40	16	8		4								2.5	3	2	0	8.5
January 4, 2016	4	4	4	8	4	4	4	4	8	8	16	8		16	40	16	8		4								2.5	3	4	2	8.5
January 5, 2016	4	4	4	8	4	4	4	4	8	8	16	8		24	40	16	8		4								2.5	3	4	3	8.5
January 6, 2016	4	4	4	8	4	4	4	4	8	8	24	8		32	40	16	8		4								2.5	3	5	4	8.5
January 7, 2016	4	4	4	8	4	4	4	4	8	8	32	8		32	40	16	8		4								2.5	3	6	4	8.5
January 8, 2016														40													0	0	0	0	5
January 9, 2016	4	4	4	8	4	4	4	4	8	8	8	8		24	40	16	8		4								2.5	3	3	3	8.5
January 10, 2016	4	4	4	8	4	4	4	4	8	8	8	8		8	40	16	8		4								2.5	3	3	1	8.5
January 11, 2016	4	4	4	8	4	4	4	4	8	8	8	8		24	40	16	8		4								2.5	3	3	3	8.5
January 12, 2016	4	4	4	8	4	4	4	4	8	8	16	8		16	40	16	8		4								2.5	3	4	2	8.5
January 13, 2016	4	4	4	8	4	4	4	4	8	8	24	8		32	40	16	8		4								2.5	3	5	4	8.5
January 14, 2016	4	4	4	8	4	4	4	4	8	8	40	8		48	40	16	8		4								2.5	3	7	6	8.5
January 15, 2016														40													0	0	0	0	5
January 16, 2016	4	4	4	8	4	4	4	4	8	8	40	8	4	40	40	16	8		4								2.5	3	7.5	5	8.5
January 17, 2016	4	4	4	8	4	4	4	4	8	8	32	8	16	24	40	16	8		4				4				2.5	3	8	3	9
January 18, 2016	4	4	4	8	4	4	4	4	8	8	27	8	18	36	40	16	8		4				4				2.5	3	7.625	4.5	9
January 19, 2016	4	4	4	8	4	4	4	4	8	8	24	8	12	18	40	16	8		4				4				2.5	3	6.5	2.25	9
January 20, 2016	4	4	4	8	4	4	4	4	8	8	27	8	18	36	40	16	8		4				4				2.5	3	7.625	4.5	9
January 21, 2016	4	4	4	8	4	4	4	4	8	8	48	8	16	24	40	16	8		4				4				2.5	3	10	3	9
January 22, 2016										8				8	16	40								8			0	0	2	2	6
January 23, 2016	4	4	4	8	4	4	4	4	8	8	8	4		24	40	16	8		4				4				2.5	2	3.5	3	9
January 24, 2016	4	4	4	8	4	4	4	4	8	8	8	8			40	16	8		4								2.5	3	2	0	8.5
January 25, 2016	4	4	4	8	4	4	4	4	8	8	8	8			40	16	8		4								2.5	3	2	0	8.5
January 26, 2016	4	4	4	8	4	4	4	4	8	8	8	8			40	16	8										2.5	3	2	0	8
January 27, 2016	4	4	4	8	4	4	4	4	8	8	8	8	8	8	40	16	8										2.5	3	4	1	8
January 28, 2016	4	4	4	8	4	4	4	4	8	8	32	8	2	16	40	16	8										2.5	3	6.25	2	8
January 29, 2016									8	8	24		8	24	40												0	1	5	3	5
January 30, 2016	4	4	4	8	4	4	4	4	8	8	40	8		24	40	16	8		4								2.5	3	7	3	8.5
January 31, 2016	4	4	4	8	4	4	4	4	8	8	24	8		24	40	16	8		4								2.5	3	5	3	8.5
Total of Month	108	104	104	208	104	104	104	104	208	224	526	208	114	0	578	1240	416	208	0	92	0	0	0	32	0	0	65.5	78	134	72.25	248.5

## ARW 22.10 Risk Register Log

**DISCLAIMER:**

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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 appears 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	1	2	2	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking during pumping process.	IRD	Existing	
2	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	Personnel injuries (electric shock).	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	Contractor	Excavations for underground yard piping, duct banks and manholes..	The depth of underground yard piping excavation exceeds 2m and exposure to fall of personnel during work is an existing hazard.	Personnel injury.	Contractor	April, 2015	1	1	1	No	No	Mitigate	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Tool box meetings are conducted regularly.	IRD	Existing	
5	Construction	Fall of well pump and pipes during pulling out of existing pump and installation of the new pump.	This is a vertical line shaft very old well pump that will be pulled out, and slippage of pipes from couplings due to any sudden or fast movement during pulling out could occur. dealing with such a huge weight could be risky. The same is applicable to installation of the new VLST pump in the well.	Delay in commissioning date of the project. Personnel injury, and might cause damage of the well casing.	Contractor	December., 2015	2	2	4	Yes	Yes	Mitigate	Hiring a professional staff with very good equipment to perform the work. Make sure that rig capacity fits with entire pumping unit weight. Conduct work with extra care and make sure that sudden movement during pulling out or installation shall be avoided. Tighten clamps properly around pipes. Move downward or upward slowly with extra attention and monitoring of any sudden changes in the exerted force by the rig.	IRD	Existing	

# CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

January 01- January 31, 2016

PROJECT 2-SANUR WELL PUMP STATION-SNW

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## Attachments

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

### **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

## Roll Up Schedule

**01-Feb-16**

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q									
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	
<b>Total</b>		797	01-Feb-16	21-Mar-16	23-Oct-13		[Gantt bars for Total]																		
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>							[Gantt bars for RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS]																		
<b>Milestones</b>							[Gantt bars for Milestones]																		
<b>General Milestones</b>							[Gantt bars for General Milestones]																		
<b>Intermediate Milestones</b>							[Gantt bars for Intermediate Milestones]																		
<b>Mobilization</b>							[Gantt bars for Mobilization]																		
<b>Submittals</b>							[Gantt bars for Submittals]																		
<b>Pre Construction Submittals</b>							[Gantt bars for Pre Construction Submittals]																		
<b>Construction Submittals</b>							[Gantt bars for Construction Submittals]																		
<b>Material Submittals</b>							[Gantt bars for Material Submittals]																		
<b>Civil</b>							[Gantt bars for Civil]																		
Earth Works							[Gantt bars for Earth Works]																		
Concrete Works							[Gantt bars for Concrete Works]																		
Building Works							[Gantt bars for Building Works]																		
Roads Works							[Gantt bars for Roads Works]																		
Miscellaneous							[Gantt bars for Miscellaneous]																		
<b>Mechanical</b>							[Gantt bars for Mechanical]																		
Local Manufacturer							[Gantt bars for Local Manufacturer]																		
Abroad Manufacturer ( Long Lead Items)							[Gantt bars for Abroad Manufacturer ( Long Lead Items)]																		
<b>Electrical</b>							[Gantt bars for Electrical]																		
Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)							[Gantt bars for Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)]																		
Local Manufacturer							[Gantt bars for Local Manufacturer]																		
<b>Shop Drawings</b>							[Gantt bars for Shop Drawings]																		
Civil							[Gantt bars for Civil]																		
Mechanical							[Gantt bars for Mechanical]																		
Electrical							[Gantt bars for Electrical]																		
<b>Methods Statement &amp; Work Plans</b>							[Gantt bars for Methods Statement & Work Plans]																		
Civil							[Gantt bars for Civil]																		
Mechanical							[Gantt bars for Mechanical]																		
Electrical							[Gantt bars for Electrical]																		
<b>Post Construction Submittals</b>							[Gantt bars for Post Construction Submittals]																		
<b>Procurement</b>							[Gantt bars for Procurement]																		
<b>Mechanical, Electrical Equipments&amp;Instrumentation,...etc- for Arrabeh Well</b>							[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well]																		
Mechanical Material Order, Manufacture & Delivery							[Gantt bars for Mechanical Material Order, Manufacture & Delivery]																		
Mechanical Equipment							[Gantt bars for Mechanical Equipment]																		
Electrical Material Order, Manufacture & Delivery							[Gantt bars for Electrical Material Order, Manufacture & Delivery]																		
Electrical Equipment Order & Manufacture							[Gantt bars for Electrical Equipment Order & Manufacture]																		
Electrical Equipment Delivery							[Gantt bars for Electrical Equipment Delivery]																		
<b>Mechanical, Electrical Equipments&amp;Instrumentation,...etc for Sanur Well</b>							[Gantt bars for Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well]																		
Mechanical Material Order, Manufacture & Delivery							[Gantt bars for Mechanical Material Order, Manufacture & Delivery]																		
Mechanical Equipment							[Gantt bars for Mechanical Equipment]																		
Electrical Material Order, Manufacture & Delivery							[Gantt bars for Electrical Material Order, Manufacture & Delivery]																		
Electrical Equipment Order & Manufacture							[Gantt bars for Electrical Equipment Order & Manufacture]																		
Electrical Equipment Delivery							[Gantt bars for Electrical Equipment Delivery]																		
<b>VFDs Time Impact Analysis</b>							[Gantt bars for VFDs Time Impact Analysis]																		
Inspected By SIEMENS & IC System & Ship. Agent							[Gantt bars for Inspected By SIEMENS & IC System & Ship. Agent]																		
Inspected By SIEMENS & IC System & Ship. Agent (Original)							[Gantt bars for Inspected By SIEMENS & IC System & Ship. Agent (Original)]																		
SIEMENS Released Report							[Gantt bars for SIEMENS Released Report]																		
Meeting w SIEMENS- IRD,IC,AGC and BV							[Gantt bars for Meeting w SIEMENS- IRD,IC,AGC and BV]																		
10 Units Sent By Air to US SIEMENS for Repair							[Gantt bars for 10 Units Sent By Air to US SIEMENS for Repair]																		
Sent to Israel							[Gantt bars for Sent to Israel]																		
Sent By Air to SIEMENS Israel (Original)							[Gantt bars for Sent By Air to SIEMENS Israel (Original)]																		
Arrive to BG Airport							[Gantt bars for Arrive to BG Airport]																		

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



Date	Revision	Checked	Approved
02-Feb-16	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...







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

## One Month Look Ahead

01-Feb-16

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
								O	N	D	J	F	M	A	M	J	J
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>																	
<b>Milestones</b>																	
<b>Submittals</b>																	
<b>Construction Submittals</b>																	
<b>Material Submittals</b>																	
<b>Mechanical</b>																	
<b>Local Manufacturer</b>																	
CS689	Approval of Kitchen Equipment - Product Data	0		01-Feb-16			-78										
CS787	Prep&Submit Vibration Isolator for Equipments (Vibration Material for Concrete Base)	5	01-Feb-16	01-Feb-16	01-Jul-15		-98										
<b>Abroad Manufacturer ( Long Lead Items)</b>																	
CS567	Approval of Special Tools As Per Specs	0		01-Feb-16			-80										
<b>Electrical</b>																	
<b>Abroad Manufacturer ( Long Lead Items) (AKRAM SALAH - IC Systems Ltd)</b>																	
CS1385	Approval of Control Panel Instrumentation - Product Data&Certificates (Remaining Ite	0		03-Feb-16			-83										
CS1405	Approval of Spare Parts and Extra Material Based on Sec 17100	0		01-Feb-16			-80										
<b>Methods Statement &amp; Work Plans</b>																	
<b>Electrical</b>																	
CS738	Prep.&Submit Short Circuit Study Final	7	01-Feb-16	04-Feb-16	15-Aug-15		-101										
<b>Execution Phase</b>																	
<b>Project 1 Arraba Well Pump Station Rehabilitation &amp; Infrastructure Improvements</b>																	
<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	01-Feb-16	11-Feb-16			-81										
<b>Construction of New Pump Station</b>																	
<b>Balance Tank 1000 m3</b>																	
<b>Finishing Works</b>																	
<b>Metal Fabricated Works</b>																	
P1-BT-000290	Supply And Install Roof Air Vents	5	01-Feb-16	03-Feb-16	24-May-15		-74										
<b>Electrical &amp; Instrumentation Works</b>																	
P1-BT-E-00020	Cables & Electricity Supply & Installation	5	01-Feb-16	02-Feb-16	21-Oct-14		-85										
P1-BT-E-00030	Electrical Manhole&Panels	7	01-Feb-16	02-Feb-16	21-Oct-14		-88										
P1-BT-E-00040	Electrical Panels	3	02-Feb-16	06-Feb-16			-88										
P1-BT-E-00050	Lightning Protection System - VO8	10	01-Feb-16	11-Feb-16			-93										
P1-BT-E-00060	Process Control & Instrumentation	8	01-Feb-16	04-Feb-16	02-Jun-15		-87										
<b>Booster Pump System</b>																	
<b>Mechanical Works</b>																	
P1-BP-M-00070	Furnish & Install Isolation valves and Flow Meter on Discharge Piping	17	01-Feb-16	01-Feb-16	06-May-15		-84										
<b>Electrical &amp; Instrumentation Works</b>																	
P1-BP-E-00010	Furnish & Installation of Earthing, Ductbanks & Raceway	10	01-Feb-16	01-Feb-16	24-May-15		-84										
P1-BP-E-00020	Furnish & Installation and Termination of Transmission Pump Power ..etc	20	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00030	Furnish & Installation and Termination of Booster Control Valves Pump Power ..etc	19	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00040	Furnish, Installation and Termination of Miscellaneous Powe..etc - VO8	20	01-Feb-16	01-Feb-16	30-Jul-15		-84										
P1-BP-E-00050	Furnish & Install Lightning Protection, Receptacles & Process Control Instrumentation	20	01-Feb-16	01-Feb-16	13-Oct-15		-84										
P1-BP-E-00060	Furnish & Install New Lightning Protection System On Booster Room Shade - VO8	5	01-Feb-16	01-Feb-16	14-Dec-15		-84										
<b>Additional Booster Pumps and VFD - VO6</b>																	
P1-BP-M-E-00020	Furnish and install air vacuum-air release valves DN 50, PN 40 with all required fitting	6	01-Feb-16	01-Feb-16	27-Dec-15		-84										
P1-BP-M-E-00030	Furnish and install structural steel and roofing including roof hatches and any other re	6	01-Feb-16	01-Feb-16	12-Jul-15		-84										
P1-BP-M-E-00040	Furnish and install grating, plates, embeds, ladders, and all other miscellaneous met	6	01-Feb-16	01-Feb-16	17-Nov-15		-84										
<b>Coatings &amp; Finishing Works</b>																	
P1-BP-000130	Furnish & Apply all Coatings	14	01-Feb-16	16-Feb-16			-97										

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



Date	Revision	Checked	Approved
02-Feb-16	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...







## SNW 22.2 “S” Curve

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

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

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOB#:	\$6,321,524.88
Revised Total Contract Value Less Day Work VOB#:	\$6,377,888.16
Revised Total Contract Value Less Day Work VOB#:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Duration of Contract as per VO #4:	377 CD
Revised Duration of Contract as per VO #4:	149 CD
Completion Date:	25-Apr-15
Revised Completion Date VOB#:	22-May-15
Revised Completion Date VOB#:	10-Nov-15
Data Date:	1-Nov-15

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

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Samur)	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,108.04
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,212.81
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,816.06
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	783 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

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

USD	
Original Total Contract Value Less Day Work:	\$493,434.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	\$493,435.00
Revised Total Contract Value Less Day Work as per VO #1:	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	13-Mar-14
Data Date:	12-May-15

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$780,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,306.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 4):	\$13,306,559.87
Revised Day Work Amount (VO #4):	\$671,393.14
Total Contract Value Less Day Work VOB#:	\$13,659,892.50
Day Work Value VOB#:	\$1,061,673.50
Total Contract Value Including Day Work VOB#:	\$14,721,856.00
Total Contract Value Less Day Work VOB#:	\$13,898,638.04
Day Work Value VOB#:	\$623,217.96
Total Contract Value Including Day Work VOB#:	\$14,721,856.00
Day Work Value VOB#:	\$13,607,229.68
Day Work Value VOB#:	\$1,054,626.32
Total Contract Value Including Day Work VOB#:	\$14,721,856.00

	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	May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	Dec.15	Jan.16	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Planned Schedule Value	\$82,755.18	\$165,510.37	\$248,265.56	\$331,020.75	\$413,775.94	\$496,531.13	\$579,286.32	\$662,041.51	\$744,796.70	\$827,551.89	\$910,307.08	\$993,062.27	\$1,075,817.46	\$1,158,572.65	\$1,241,327.84	\$1,324,083.03	\$1,406,838.22	\$1,489,593.41	\$1,572,348.60	\$1,655,103.79	\$1,737,858.98	\$1,820,614.17	\$1,903,369.36	\$1,986,124.55	\$2,068,879.74	\$2,151,634.93	\$2,234,390.12	\$2,317,145.31	\$2,400,000.50	\$2,482,855.69	\$2,565,710.88	\$2,648,566.07	\$2,731,421.26	\$2,814,276.45	\$2,897,131.64	\$2,980,000.00	\$3,062,855.19	\$3,145,710.38	\$3,228,565.57	\$3,311,420.76	\$3,394,275.95	\$3,477,131.14	\$3,560,000.00	\$3,642,855.19	\$3,725,710.38	\$3,808,565.57	\$3,891,420.76	\$3,974,275.95	\$4,057,131.14	\$4,140,000.00	\$4,222,855.19	\$4,305,710.38	\$4,388,565.57	\$4,471,420.76	\$4,554,275.95	\$4,637,131.14	\$4,720,000.00	\$4,802,855.19	\$4,885,710.38	\$4,968,565.57	\$5,051,420.76	\$5,134,275.95	\$5,217,131.14	\$5,300,000.00	\$5,382,855.19	\$5,465,710.38	\$5,548,565.57	\$5,631,420.76	\$5,714,275.95	\$5,797,131.14	\$5,880,000.00	\$5,962,855.19	\$6,045,710.38	\$6,128,565.57	\$6,211,420.76	\$6,294,275.95	\$6,377,131.14	\$6,460,000.00	\$6,542,855.19	\$6,625,710.38	\$6,708,565.57	\$6,791,420.76	\$6,874,275.95	\$6,957,131.14	\$7,040,000.00	\$7,122,855.19	\$7,205,710.38	\$7,288,565.57	\$7,371,420.76	\$7,454,275.95	\$7,537,131.14	\$7,620,000.00	\$7,702,855.19	\$7,785,710.38	\$7,868,565.57	\$7,951,420.76	\$8,034,275.95	\$8,117,131.14	\$8,200,000.00	\$8,282,855.19	\$8,365,710.38	\$8,448,565.57	\$8,531,420.76	\$8,614,275.95	\$8,697,131.14	\$8,780,000.00	\$8,862,855.19	\$8,945,710.38	\$9,028,565.57	\$9,111,420.76	\$9,194,275.95	\$9,277,131.14	\$9,360,000.00	\$9,442,855.19	\$9,525,710.38	\$9,608,565.57	\$9,691,420.76	\$9,774,275.95	\$9,857,131.14	\$9,940,000.00	\$10,022,855.19	\$10,105,710.38	\$10,188,565.57	\$10,271,420.76	\$10,354,275.95	\$10,437,131.14	\$10,520,000.00	\$10,602,855.19	\$10,685,710.38	\$10,768,565.57	\$10,851,420.76	\$10,934,275.95	\$11,017,131.14	\$11,100,000.00	\$11,182,855.19	\$11,265,710.38	\$11,348,565.57	\$11,431,420.76	\$11,514,275.95	\$11,597,131.14	\$11,680,000.00	\$11,762,855.19	\$11,845,710.38	\$11,928,565.57	\$12,011,420.76	\$12,094,275.95	\$12,177,131.14	\$12,260,000.00	\$12,342,855.19	\$12,425,710.38	\$12,508,565.57	\$12,591,420.76	\$12,674,275.95	\$12,757,131.14	\$12,840,000.00	\$12,922,855.19	\$13,005,710.38	\$13,088,565.57	\$13,171,420.76	\$13,254,275.95	\$13,337,131.14	\$13,420,000.00	\$13,502,855.19	\$13,585,710.38	\$13,668,565.57	\$13,751,420.76	\$13,834,275.95	\$13,917,131.14	\$14,000,000.00	\$14,082,855.19	\$14,165,710.38	\$14,248,565.57	\$14,331,420.76	\$14,414,275.95	\$14,497,131.14	\$14,580,000.00	\$14,662,855.19	\$14,745,710.38	\$14,828,565.57	\$14,911,420.76	\$14,994,275.95	\$15,077,131.14	\$15,160,000.00	\$15,242,855.19	\$15,325,710.38	\$15,408,565.57	\$15,491,420.76	\$15,574,275.95	\$15,657,131.14	\$15,740,000.00	\$15,822,855.19	\$15,905,710.38	\$15,988,565.57	\$16,071,420.76	\$16,154,275.95	\$16,237,131.14	\$16,320,000.00	\$16,402,855.19	\$16,485,710.38	\$16,568,565.57	\$16,651,420.76	\$16,734,275.95	\$16,817,131.14	\$16,900,000.00	\$16,982,855.19	\$17,065,710.38	\$17,148,565.57	\$17,231,420.76	\$17,314,275.95	\$17,397,131.14	\$17,480,000.00	\$17,562,855.19	\$17,645,710.38	\$17,728,565.57	\$17,811,420.76	\$17,894,275.95	\$17,977,131.14	\$18,060,000.00	\$18,142,855.19	\$18,225,710.38	\$18,308,565.57	\$18,391,420.76	\$18,474,275.95	\$18,557,131.14	\$18,640,000.00	\$18,722,855.19	\$18,805,710.38	\$18,888,565.57	\$18,971,420.76	\$19,054,275.95	\$19,137,131.14	\$19,220,000.00	\$19,302,855.19	\$19,385,710.38	\$19,468,565.57	\$19,551,420.76	\$19,634,275.95	\$19,717,131.14	\$19,800,000.00	\$19,882,855.19	\$19,965,710.38	\$20,048,565.57	\$20,131,420.76	\$20,214,275.95	\$20,297,131.14	\$20,380,000.00	\$20,462,855.19	\$20,545,710.38	\$20,628,565.57	\$20,711,420.76	\$20,794,275.95	\$20,877,131.14	\$20,960,000.00	\$21,042,855.19	\$21,125,710.38	\$21,208,565.57	\$21,291,420.76	\$21,374,275.95	\$21,457,131.14	\$21,540,000.00	\$21,622,855.19	\$21,705,710.38	\$21,788,565.57	\$21,871,420.76	\$21,954,275.95	\$22,037,131.14	\$22,120,000.00	\$22,202,855.19	\$22,285,710.38	\$22,368,565.57	\$22,451,420.76	\$22,534,275.95	\$22,617,131.14	\$22,700,000.00	\$22,782,855.19	\$22,865,710.38	\$22,948,565.57	\$23,031,420.76	\$23,114,275.95	\$23,197,131.14	\$23,280,000.00	\$23,362,855.19	\$23,445,710.38	\$23,528,565.57	\$23,611,420.76	\$23,694,275.95	\$23,777,131.14	\$23,860,000.00	\$23,942,855.19	\$24,025,710.38	\$24,108,565.57	\$24,191,420.76	\$24,274,275.95	\$24,357,131.14	\$24,440,000.00	\$24,522,855.19	\$24,605,710.38	\$24,688,565.57	\$24,771,420.76	\$24,854,275.95	\$24,937,131.14	\$25,020,000.00	\$25,102,855.19	\$25,185,710.38	\$25,268,565.57	\$25,351,420.76	\$25,434,275.95	\$25,517,131.14	\$25,600,000.00	\$25,682,855.19	\$25,765,710.38	\$25,848,565.57	\$25,931,420.76	\$26,014,275.95	\$26,097,131.14	\$26,180,000.00	\$26,262,855.19	\$26,345,710.38	\$26,428,565.57	\$26,511,420.76	\$26,594,275.95	\$26,677,131.14	\$26,760,000.00	\$26,842,855.19	\$26,925,710.38	\$27,008,565.57	\$27,091,420.76	\$27,174,275.95	\$27,257,131.14	\$27,340,000.00	\$27,422,855.19	\$27,505,710.38	\$27,588,565.57	\$27,671,420.76	\$27,754,275.95	\$27,837,131.14	\$27,920,000.00	\$28,002,855.19	\$28,085,710.38	\$28,168,565.57	\$28,251,420.76	\$28,334,275.95	\$28,417,131.14	\$28,500,000.00	\$28,582,855.19	\$28,665,710.38	\$28,748,565.57	\$28,831,420.76	\$28,914,275.95	\$29,000,000.00	\$29,082,855.19	\$29,165,710.38	\$29,248,565.57	\$29,331,420.76	\$29,414,275.95	\$29,497,131.14	\$29,580,000.00	\$29,662,855.19	\$29,745,710.38	\$29,828,565.57	\$29,911,420.76	\$29,994,275.95	\$30,077,131.14	\$30,160,000.00	\$30,242,855.19	\$30,325,710.38	\$30,408,565.57	\$30,491,420.76	\$30,574,275.95	\$30,657,131.14	\$30,740,000.00	\$30,822,855.19	\$30,905,710.38	\$30,988,565.57	\$31,071,420.76	\$31,154,275.95	\$31,237,131.14	\$31,320,000.00	\$31,402,855.19	\$31,485,710.38	\$31,568,565.57	\$31,651,420.76	\$31,734,275.95	\$31,817,131.14	\$31,900,000.00	\$31,982,855.19	\$32,065,710.38	\$32,148,565.57	\$32,231,420.76	\$32,314,275.95	\$32,397,131.14	\$32,480,000.00	\$32,562,855.19	\$32,645,710.38	\$32,728,565.57	\$32,811,420.76	\$32,894,275.95	\$32,977,131.14	\$33,060,000.00	\$33,142,855.19	\$33,225,710.38	\$33,308,565.57	\$33,391,420.76	\$33,474,275.95	\$33,557,131.14	\$33,640,000.00	\$33,722,855.19	\$33,805,710.38	\$33,888,565.57	\$33,971,420.76	\$34,054,275.95	\$34,137,131.14	\$34,220,000.00	\$34,302,855.19	\$34,385,710.38	\$34,468,565.57	\$34,551,420.76	\$34,634,275.95	\$34,717,131.14	\$34,800,000.00	\$34,882,855.19	\$34,965,710.38	\$35,048,565.57	\$35,131,420.76	\$35,214,275.95	\$35,297,131.14	\$35,380,000.00	\$35,462,855.19	\$35,545,710.38	\$35,628,565.57	\$35,711,420.76	\$35,794,275.95	\$35,877,131.14	\$35,960,000.00	\$36,042,855.19	\$36,125,710.38	\$36,208,565.57	\$36,291,420.76	\$36,374,275.95	\$36,457,131.14	\$36,540,000.00	\$36,622,855.19	\$36,705,710.38	\$36,788,565.57	\$36,871,420.76	\$36,954,275.95	\$37,037,131.14	\$37,120,000.00	\$37,202,855.19	\$37,285,710.38	\$37,368,565.57	\$37,451,420.76	\$37,534,275.95	\$37,617,131.14	\$37,700,000.00	\$37,782,855.19	\$37,865,710.38	\$37,948,565.57	\$38,031,420.76	\$38,114,275.95	\$38,197,131.14	\$38,280,000.00	\$38,362,855.19	\$38,445,710.38	\$38,528,565.57	\$38,611,420.76	\$38,694,275.95	\$38,777,131.14	\$38,860,000.00	\$38,942,855.19	\$39,025,710.38	\$39,108,565.57	\$39,191,420.76	\$39,274,275.95	\$39,357,131.14	\$39,440,000.00	\$39,522,855.19	\$39,605,710.38	\$39,688,565.57	\$39,771,420.76	\$39,854,275.95	\$39,937,131.14	\$40,020,000.00	\$40,102,855.19	\$40,185,710.38	\$40,268,565.57	\$40,351,420.76	\$40,434,275.95	\$40,517,131.14	\$40,600,000.00	\$40,682,855.19	\$40,765,710.38	\$40,848,56

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

	USD
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
Revised Total Contract Value Less Day Work VOM:	\$6,377,888.16
Revised Total Contract Value Less Day Work VOM:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Contract Duration VOM:	577 CD
Revised Contract Duration VOM:	749 CD
Completion Date:	25-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	1-Nov-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

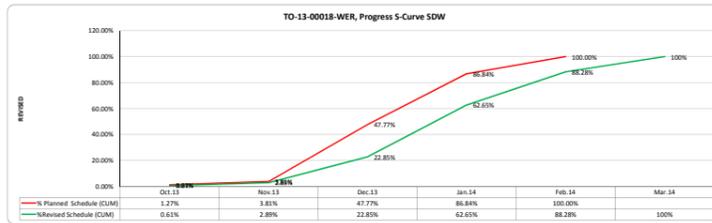
	USD
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,109.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,122.83
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,818.86
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	738 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

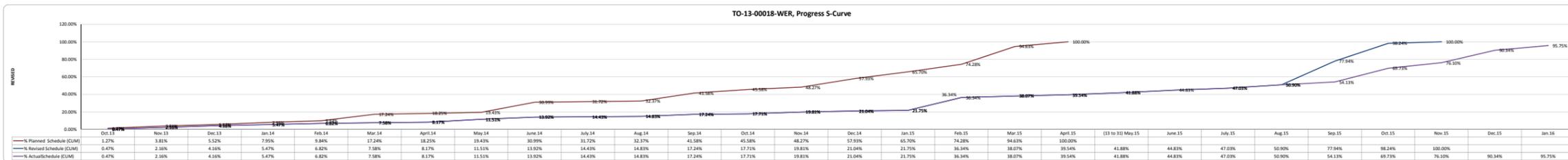
	USD
Original Total Contract Value Less Day Work:	\$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	\$493,635.00
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	13-Mar-14
Data Date:	12-May-15

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

	USD
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$760,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,360.19
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,802.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91



	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		\$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
Revised Schedule Value	\$2,309.40	\$4,618.79	\$75,122.68	\$149,777.68	\$94,483.62	\$44,110.65	\$376,334.82
Revised Schedule Value (CUM)	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82		\$376,334.82
% Planned Schedule (CUM)	1.27%	2.54%	43.96%	39.07%	13.16%		100%
% Planned Schedule (CUM)	1.27%	3.81%	47.77%	85.54%	99.54%		100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	11.72%	100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.88
Revised Total Contract Value Less Day Work VOM:	\$6,327,888.55
Revised Total Contract Value Less Day Work VOM:	\$6,271,396.71
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	350 CD
Revised Contract Duration VOM:	577 CD
Revised Contract Duration VOM:	749 CD
Completion Date:	25-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	1-Nov-15

PROJECT 2 Samur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Samur):	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,107,109.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,762,122.83
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,935.86
Revised Total Contract Value Less Day Work as per VO #9:	\$7,019,498.17
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	350 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732 CD
Revised Completion Date as per VO #8:	28-Oct-15
Revised Duration of Contract as per VO #9:	789 CD
Revised Completion Date as per VO #9:	31-Oct-15
Data Date:	1-Nov-15

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$493,635.00
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	130 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	13-Mar-14
Data Date:	12-May-15

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$760,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,104,156.73
Day Work Value as per VO #3:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,802.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91

	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	(13 to 31) May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	TOTAL		
Planned Schedule Value	\$178,055.32	\$186,118.65	\$289,531.63	\$340,883.76	\$265,630.41	\$1,036,588.88	\$142,064.98	\$160,787.18	\$1,621,107.65	\$101,526.35	\$91,263.33	\$1,291,207.84	\$561,137.67	\$377,096.76	\$1,350,243.65	\$1,089,356.97	\$1,203,071.89	\$2,803,307.27	\$752,921.71												\$14,021,856.90
Revised Schedule Value (CUM)	\$178,055.32	\$524,165.97	\$773,697.60	\$1,114,561.36	\$2,150,197.13	\$2,857,813.97	\$2,770,192.54	\$2,952,502.65	\$3,442,262.83	\$4,203,487.84	\$5,267,910.89	\$6,057,673.91	\$7,182,846.02	\$8,178,324.99	\$12,056,319.68	\$13,283,860.66	\$13,781,338.08	\$14,021,856.90													\$14,021,856.90
Actual Schedule Value (CUM)	\$65,599.25	\$214,619.99	\$278,252.90	\$182,607.20	\$186,654.03	\$106,550.45	\$81,860.67	\$460,304.94	\$339,861.32	\$71,014.74	\$54,772.50	\$335,898.68	\$64,623.65	\$292,569.32	\$2,078,907.16	\$3,008,623.64	\$2,816,883.47	\$4,016,058.49	\$204,119.62	\$224,411.44	\$410,017.78	\$306,079.33	\$538,290.89	\$2,758,424.88	\$2,820,578.42	\$245,186.21				\$13,898,838.04	
Actual Schedule Value																									\$448,642.07	\$2,168,335.64	\$885,037.25	\$1,979,278.09	\$712,281.33		
Actual Schedule Value (CUM)																									\$7,523,280.50	\$9,691,614.14	\$10,576,651.39	\$12,555,931.48	\$13,808,212.81		
% Planned Schedule	1.27%	2.54%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	11.56%	0.72%	0.65%	9.21%	4.00%	2.69%	9.67%	7.77%	8.58%	20.35%	5.37%											100.00%	
% Revised Schedule (CUM)	1.27%	3.81%	5.52%	7.95%	8.84%	17.24%	18.23%	19.43%	30.99%	31.72%	32.37%	41.58%	45.58%	48.27%	57.93%	65.70%	74.28%	84.63%	100.00%												100.00%
% Revised Schedule	0.47%	1.69%	2.00%	1.31%	1.34%	0.77%	0.59%	2.34%	2.40%	0.52%	0.39%	2.42%	0.46%	2.10%	1.23%	0.71%	14.58%	1.73%	1.47%	2.33%	2.80%	2.87%	27.08%	28.59%	1.76%				100.00%		
% Revised Schedule (CUM)	0.47%	2.16%	4.16%	5.47%	6.82%	7.58%	8.17%	11.51%	13.92%	14.43%	17.24%	17.71%	19.81%	21.00%	21.79%	26.34%	38.07%	39.54%	41.88%	44.83%	47.03%	50.90%	54.13%	58.23%	60.24%	62.37%	64.24%	65.41%		100.00%	
% Actual Schedule																									5.41%	15.60%	6.37%	14.24%	5.41%		
% Actual Schedule (CUM)																									54.13%	68.73%	76.10%	80.24%	85.79%		

## SNW 22.3 Site Memos Log

**DISCLAIMER:**

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NOA Date: September 23, 2014  
 NTP Date: October 25, 2014  
 Current as Date: February 4, 2016

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

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-041	Third Party Field Test Results	January 21, 2016		SM is referred to ARW & SNW Project
SM-13-00018-ARW-E-C-042	Initial Punch List for ARW Project	January 27, 2016		SM is referred to ARW Project

## SNW 22.4 Material & Equipment Delivered to Site Log

**DISCLAIMER:**

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## Material Log

**Task Order:** AID-294-TO-13-00018

**Project:** Wells Rehabilitation Project

**Sub-project:** Sanur Well Pump Station Rehabilitation and Infrastructure Improvements

Item	Date	Description	Oty	Location
1	January 1, 2016	None	-	-
2	January 2, 2016	None	-	-
3	January 3, 2016	None	-	-
4	January 4, 2016	None	-	-
5	January 5, 2016	None	-	-
6	January 6, 2016	None	-	-
7	January 7, 2016	None	-	-
8	January 8, 2016	None	-	-
9	January 9, 2016	Concrete B350	27 m <sup>3</sup>	Sanur Well
10	January 10, 2016	None	-	-
11	January 11, 2016	None	-	-
12	January 12, 2016	Concrete B350	10 m <sup>3</sup>	Sanur Well
13	January 13, 2016	Asphalt	55 Ton	Sanur Well
14	January 14, 2016	None	-	-
15	January 15, 2016	None	-	-
16	January 16, 2016	Concrete B210	4.5 m <sup>3</sup>	Sanur Well
17	January 17, 2016	None	-	-
18	January 18, 2016	None	-	-
19	January 19, 2016	None	-	-
20	January 20, 2016	None	-	-
21	January 21, 2016	Concrete B210	30 m <sup>3</sup>	Sanur Well
22	January 22, 2016	None	-	-
23	January 23, 2016	None	-	-
24	January 24, 2016	None	-	-
25	January 25, 2016	None	-	-
26	January 26, 2016	None	-	-
27	January 27, 2016	None	-	-
28	January 28, 2016	None	-	-
29	January 29, 2016	None	-	-
30	January 30, 2016	None	-	-
31	January 31, 2016	None	-	-

## 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	January 1, 2016	JCB Back Hole-1993-1			1
2		Steel Compactor			
3		Mitsubishi L200-2007	1	8	
4		Diesel Generator			1
5		Rig	1	8	
6		Level			1
7		Total Station			1
8		Concrete Vibrator			1
9		Crane	1	8	
10	January 2, 2016	JCB Back Hole-1993-1	1	8	
11		Steel Compactor			
12		Mitsubishi L200-2007	1	8	
13		Diesel Generator			1
14		Rig			1
15		Level			1
16		Total Station			1
17		Concrete Vibrator			1
18		Crane			1
19	Tractor	1	4		
20	January 3, 2016	JCB Back Hole-1993-1	1	8	
21		Steel Compactor			
22		Mitsubishi L200-2007	1	8	
23		Diesel Generator			1
24		Rig			1
25		Level			1
26		Total Station			1
27		Concrete Vibrator			1
28		Crane	1	2	
29	Tractor	1	4		
30	January 4, 2016	JCB Back Hole-1993-1	1	8	
31		Steel Compactor			
32		Mitsubishi L200-2007	1	8	
33		Diesel Generator			1
34		Rig			1
35		Level			1
36		Total Station			1
37		Concrete Vibrator			1
38		Crane			1
39	Tractor	1	4		

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
40	January 5, 2016	JCB Back Hole-1993-1	1	6	
41		Steel Compactor			
42		Mitsubishi L200-2007	1	8	
43		Diesel Generator			1
44		Rig			1
45		Level			1
46		Total Station			1
47		Concrete Vibrator			1
48		Crane			1
49	January 6, 2016	JCB Back Hole-1993-1	1	6	
50		Steel Compactor	1	2	
51		Mitsubishi L200-2007	1	8	
52		Diesel Generator			1
53		Level	1	1	
54		Total Station			1
55		Concrete Vibrator			1
56		Tractor	1	2	
57	January 7, 2016	JCB Back Hole-1993-1	1	8	
58		Steel Compactor			1
59		Mitsubishi L200-2007	1	8	
60		Diesel Generator			1
61		Level			1
62		Total Station			1
63		Concrete Vibrator			1
64	Bobcat	1	4		
65	January 8, 2016	JCB Back Hole-1993-1			1
66		Steel Compactor			1
67		Mitsubishi L200-2007			
68		Diesel Generator			1
69		Level			1
70		Total Station			1
71		Concrete Vibrator			1
72	Bobcat			1	
73	January 9, 2016	JCB Back Hole-1993-1	1	4	
74		Steel Compactor			1
75		Mitsubishi L200-2007	1	8	
76		Diesel Generator			1
77		Level			1
78		Total Station			1
79		Concrete Vibrator	1	1	
80	Bobcat	1	2		
81	January 10, 2016	JCB Back Hole-1993-1			1
82		Steel Compactor			1
83		Mitsubishi L200-2007	1	8	
84		Diesel Generator			1
85		Level			1
86		Total Station			1
87		Concrete Vibrator			1
88		Crane	1	8	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
89	January 11, 2016	JCB Back Hole-1993-1	1	4	
90		Steel Compactor			1
91		Mitsubishi L200-2007	1	8	
92		Diesel Generator			1
93		Level			1
94		Total Station			1
95		Concrete Vibrator			1
96		Crane	1	4	
97	January 12, 2016	JCB Back Hole-1993-1	1	2	
98		Steel Compactor			1
99		Mitsubishi L200-2007	1	8	
100		Diesel Generator			1
101		Level			1
102		Total Station			1
103		Concrete Vibrator	1	1	
104	January 13, 2016	JCB Back Hole-1993-1			1
105		Steel Compactor	1	4	
106		Mitsubishi L200-2007	1	8	
107		Diesel Generator			1
108		Level			1
109		Total Station			1
110		Concrete Vibrator			1
111		Bobcat	1	8	
112	January 14, 2016	JCB Back Hole-1993-1			1
113		Steel Compactor			1
114		Mitsubishi L200-2007	1	8	
115		Diesel Generator			1
116		Level			1
117		Total Station			1
118		Concrete Vibrator			1
119	January 15, 2016	JCB Back Hole-1993-1			1
120		Steel Compactor			1
121		Mitsubishi L200-2007	1	8	
122		Diesel Generator			1
123		Level			1
124		Total Station			1
125		Concrete Vibrator			1
126	January 16, 2016	JCB Back Hole-1993-1	1	8	
127		Steel Compactor			1
128		Mitsubishi L200-2007	1	8	
129		Diesel Generator			1
130		Level			1
131		Total Station			1
132		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
133	January 17, 2016	JCB Back Hole-1993-1	1	8	
134		Steel Compactor			1
135		Mitsubishi L200-2007	1	8	
136		Diesel Generator			1
137		Level			1
138		Total Station			1
139		Concrete Vibrator			1
140	January 18, 2016	JCB Back Hole-1993-1	1	4	
141		Steel Compactor			1
142		Mitsubishi L200-2007	1	8	
143		Diesel Generator			1
144		Level			1
145		Total Station			1
146		Concrete Vibrator			1
147	January 19, 2016	JCB Back Hole-1993-1	1	4	
148		Steel Compactor			1
149		Mitsubishi L200-2007	1	8	
150		Diesel Generator			1
151		Level			1
152		Total Station			1
153		Concrete Vibrator			1
154	January 20, 2016	JCB Back Hole-1993-1	1	4	
155		Steel Compactor			1
156		Mitsubishi L200-2007	1	8	
157		Diesel Generator			1
158		Level			1
159		Total Station			1
160		Concrete Vibrator			1
161	January 21, 2016	JCB Back Hole-1993-1	1	4	
162		Steel Compactor			1
163		Mitsubishi L200-2007	1	8	
164		Diesel Generator			1
165		Level			1
166		Total Station			1
167		Concrete Vibrator			1
168	January 22, 2016	JCB Back Hole-1993-1			1
169		Steel Compactor			1
170		Mitsubishi L200-2007	1	8	
171		Diesel Generator			1
172		Level			1
173		Total Station			1
174		Concrete Vibrator			1
175	January 23, 2016	JCB Back Hole-1993-1			1
176		Steel Compactor			1
177		Mitsubishi L200-2007	1	8	
178		Diesel Generator			1
179		Level			1
180		Total Station			1
181		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
182	January 24, 2016	JCB Back Hole-1993-1			1
183		Steel Compactor			1
184		Mitsubishi L200-2007	1	8	
185		Diesel Generator			1
186		Level			1
187		Total Station			1
188		Concrete Vibrator			1
189	January 25, 2016	JCB Back Hole-1993-1			1
190		Steel Compactor			1
191		Mitsubishi L200-2007	1	8	
192		Diesel Generator			1
193		Level			1
194		Total Station			1
195		Concrete Vibrator			1
196	January 26, 2016	JCB Back Hole-1993-1			1
197		Steel Compactor			1
198		Mitsubishi L200-2007	1	8	
199		Diesel Generator			1
200		Level			1
201		Total Station			1
202		Concrete Vibrator			1
203	January 27, 2016	JCB Back Hole-1993-1			1
204		Steel Compactor			1
205		Mitsubishi L200-2007	1	8	
206		Diesel Generator			1
207		Level			1
208		Total Station			1
209		Concrete Vibrator			1
210	January 28, 2016	JCB Back Hole-1993-1			1
211		Steel Compactor			1
212		Mitsubishi L200-2007	1	8	
213		Diesel Generator			1
214		Level			1
215		Total Station			1
216		Concrete Vibrator			1
217	January 29, 2016	JCB Back Hole-1993-1			1
218		Steel Compactor			1
219		Mitsubishi L200-2007	1	8	
220		Diesel Generator			1
221		Level			1
222		Total Station			1
223		Concrete Vibrator			1
224	January 30, 2016	JCB Back Hole-1993-1			1
225		Steel Compactor			1
226		Mitsubishi L200-2007	1	8	
227		Diesel Generator			1
228		Level			1
229		Total Station			1
230		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
231	January 31, 2016	JCB Back Hole-1993-1			1
232		Steel Compactor			1
233		Mitsubishi L200-2007	1	8	
234		Diesel Generator			1
235		Level			1
236		Total Station			1
237		Concrete Vibrator			1

## SNW 22.5 Inspection Requests Log

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Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

**Inspection Requests Log**
**IRD/BV**
**Task Order:** AID-294-TO-13-00018

**Project:** Wells Rehabilitation Project (WER)

**Sender/ Recipient** IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-049-B	January 31, 2016	January 31, 2016	Inspecting Low Voltage Cables as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-070-B	January 31, 2016	January 31, 2016	Inspecting fans as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-120-B	January 7, 2016	January 10, 2016	Inspecting Butterfly Valve DN:300mm, Cl. 150 as per attached MRR.	January 10, 2016	A		
IR-13-00018-WER-133-B	January 31, 2016	January 31, 2016	Inspecting Panel Boards as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-144-B	January 31, 2016	January 31, 2016	Inspecting Intrusion Switch as per attached MRR	January 31, 2016	A		
IR-13-00018-WER-146-B	January 3, 2016	January 3, 2016	Inspecting Generator Box as per attached MRR	January 3, 2016	A		
IR-13-00018-WER-151-A	January 4, 2016	January 4, 2016	Inspection Compliance of Environmental Status with Contract Requirements for November 2015-Environmental Check List	January 4, 2016	A		
IR-13-00018-WER-152-A	January 4, 2016	January 4, 2016	Inspecting Chlorine Injectors as per attached MRR	January 4, 2016	A		
IR-13-00018-WER-153-A	January 5, 2016	January 5, 2016	Inspecting Well Pump oiling system as per attached MRR	January 5, 2016	A		
IR-13-00018-WER-154-A	January 18, 2016	January 18, 2016	Inspecting Bermad Control Valves Spare Parts as per attached MRR	January 18, 2016	A		

	<b>Color</b>	<b>Response Index</b>
		Amend-Resubmit
		No Exceptions Noted
		Pending

**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-SNW-390-B	January 3, 2016	January 3, 2016	Inspect the installed cable tray inside the electrical trenches of the EC and EM buildings	January 3, 2016	A		
IR-13-00018-SNW-417-B	January 3, 2016	January 3, 2016	Inspect the installation of floating valves inside the BT	January 3, 2016	A		
IR-13-00018-SNW-430-B	January 31, 2016	January 31, 2016	Inspecting installation of Wiring Devices, Street Lighting Poles & HVAC Fans in all buildings.	January 31, 2016	A		
IR-13-00018-SNW-475-B	January 31, 2016	October 31, 2015	Inspect the installed wooden bath room door	January 31, 2016	A		
IR-13-00018-SNW-484-B	January 3, 2016	January 3, 2016	Inspect installation of the plumbing works of the LQ building	January 3, 2016	C		
IR-13-00018-SNW-485-B	January 3, 2016	January 3, 2016	Inspect installation of the plumbing works of the Chlorination building	January 3, 2016	C		
IR-13-00018-SNW-495-B	January 14, 2016	January 17, 2016	Inspect the roof copings of all buildings as per attached Plans	January 17, 2016	A		
<del>IR-13-00018-SNW-508-A</del>	<del>January 4, 2016</del>	<del>January 4, 2016</del>	<del>Inspecting sample line and potable water distribution valves</del>	<del>January 4, 2016</del>		<del>Retracted on 04/01/2015</del>	
IR-13-00018-SNW-509-A	January 4, 2016	January 4, 2016	Inspecting installed control valves SJ03-PS2-PRV-525A, SJ03-PS2-BPV-525C, SJ03-PS2-PRV-345G.	January 4, 2016	A		
IR-13-00018-SNW-510-A	January 4, 2016	January 4, 2016	Inspecting installed orifice plates	January 4, 2016	A		
IR-13-00018-SNW-511-A	January 4, 2016	January 4, 2016	Inspecting installed AC units of EC Building	January 4, 2016	A		
IR-13-00018-SNW-512-A	January 4, 2016	January 4, 2016	Inspecting installed AC units of LQ	January 4, 2016	A		
IR-13-00018-SNW-513-A	January 4, 2016	January 4, 2016	Inspecting installed sodium hypochlorite system	January 4, 2016	A		
IR-13-00018-SNW-514-A	January 4, 2016	January 4, 2016	Inspecting installed sodium hypochlorite PVC injectors	January 4, 2016	A		
IR-13-00018-SNW-515-A	January 7, 2016	January 7, 2016	Inspecting preparation of subgrade and base course layers of the RC pavement stage 4 (final) prior to casting concrete	January 7, 2016	A		
IR-13-00018-SNW-516-A	January 7, 2016	January 9, 2016	Inspecting reinforcement steel and formwork prior to casting concrete of the RC pavement –stage 4 (final).	January 10, 2016	A		
IR-13-00018-SNW-517-A	January 10, 2016	January 10, 2016	Inspecting the mechanical installation of well pump discharge pipeline.	January 10, 2016	A		
IR-13-00018-SNW-518-A	January 10, 2016	January 10, 2016	Inspecting the site light poles and booster shed lighting system	January 10, 2016	A		
IR-13-00018-SNW-519-A	January 12, 2016	January 12, 2016	Inspect the formwork and reinforcement steel of the well discharge pipeline pad prior to casting concrete	January 12, 2016	A		
IR-13-00018-SNW-520-A	January 13, 2016	January 13, 2016	Inspecting preparation of the final base course layer (Level = 294.38m) of the main entrance prior to asphalt works	January 13, 2016	A		
IR-13-00018-SNW-521-A	January 13, 2016	January 13, 2016	Inspecting installed Portable Generator Box	January 13, 2016	A		
IR-13-00018-SNW-522-A	January 13, 2016	January 13, 2016	Inspecting installed Transformer	January 13, 2016	A		
IR-13-00018-SNW-523-A	January 14, 2016	January 14, 2016	Inspecting Wiring Devices in all buildings (EMR, EC, CS & LQ) and Sliding Gate Motor	January 14, 2016	A		
IR-13-00018-SNW-524-A	January 14, 2016	January 14, 2016	Inspecting Power Panels in all buildings (EMR, EC, CS & LQ) & LTCP Panel in EC building	January 14, 2016	A		
IR-13-00018-SNW-525-A	January 14, 2016	January 14, 2016	Inspecting Instrumentation system in sanur well pump station except well pump area	January 14, 2016	A		
IR-13-00018-SNW-526-A	January 14, 2016	January 14, 2016	Inspecting Control Panel, HVAC Panel and Exhaust Fans in CS building and EMR	January 14, 2016	A		
IR-13-00018-SNW-527-A	January 14, 2016	January 14, 2016	Inspecting Lightning Protection System - Pulsar	January 14, 2016	A		
IR-13-00018-SNW-528-A	January 21, 2016	January 21, 2016	Inspect reinforcement steel preparation prior to casting concrete of the culvert downstream ditch area	January 21, 2016	A		
IR-13-00018-SNW-529-A	January 25, 2016	January 25, 2016	Inspect the SCADA system installation	January 25, 2016	C		
IR-13-00018-SNW-530-A	January 31, 2016	January 31, 2016	Inspect the road marking, guard rail, and road signs of the main entrance of the well pump station.	January 31, 2016	A		
IR-13-00018-SNW-531-A	January 31, 2016	January 31, 2016	Inspecting the curbstone painting	January 31, 2016	A		

## SNW 22.6 Submittals Log

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Submittal Categories	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE/OTHER TEST REPORT SCHEDULE REPORT SAMPLE COMPLETION & CLOSURE MATERIAL	Submittal Classification PCS CONS PSTS	Procurement Construction Post construction	Identifiers WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SOW : Project 3 Identifier	From Submittal SUB-16-WER-001-A From RE-Submittal SUB-16-WER-001-B From Resubmittal SUB-16-WER-001-C	Resubmittal Alpha Identifier	Submittal Disposition / Color Coding	
							Submittal Disposition	Color Coding
PD	PRODUCT DATA	PCS	Construction	WER Well Rehabilitation Project	From Submittal SUB-16-WER-001-A		Submittal Disposition	Color Coding
SD	SHOP DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	From RE-Submittal SUB-16-WER-001-B		Submittal Disposition	Color Coding
AD	ADMINISTRATIVE/OTHER	PSTS	Post construction	SNW : Project 2 Identifier	From Resubmittal SUB-16-WER-001-C		Submittal Disposition	Color Coding
TR	TEST REPORT						Submittal Disposition	Color Coding
SCH	SCHEDULE						Submittal Disposition	Color Coding
RPT	REPORT						Submittal Disposition	Color Coding
SMP	SAMPLE						Submittal Disposition	Color Coding
CO	COMPLETION & CLOSURE						Submittal Disposition	Color Coding
MAT	MATERIAL						Submittal Disposition	Color Coding

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-0018-SNW-1167-B	Well and Booster Pumps Testing Procedure and Commissioning - Samur	Section: 01660	AD	CONS	SUB	SNW			B		From main contractor directly	January 4, 2016		February 3, 2016	January 7, 2016	3	B	
SUB-13-0018-WER-1379-B	Training Handouts of VFD 120CP	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016		February 23, 2016				Pending
SUB-13-0018-WER-1380-B	Training Handouts of VFD 150CP	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016		February 23, 2016				Pending
SUB-13-0018-ARW-1432-B	Arraba Retaining wall Segment D-D Shop Drawings	Section: 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			B		January 7, 2016	January 12, 2016		February 11, 2016	January 18, 2016	6	A	
SUB-13-0018-WER-1516-B	Fire Extinguisher Installation Shop Drawings	Section: 10520	PD	CONS	SUB	WER			B		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-0018-WER-1523-B	PLC Training Material	Section: 01670	AD	CONS	SUB	WER			B		From main contractor directly	January 24, 2016						Pending
SUB-13-0018-SNW-1535-A	As-Built Drawings (Civil, Mechanical and Electrical)for Samur Living Quarter building	Section: 01500- Paragraph: 1.7B	SD	CONS	SUB	SNW			A		January 23, 2016	January 24, 2016						Pending
SUB-13-0018-SNW-1545-A	Completion Report for Samur Well (VTLS) New Well Pump Installation	Section: 11101	AD	CONS	SUB	SNW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-0018-ARW-1546-A	Preliminary Operation & Maintenance Manual/Section 3B- Low Voltage Cable - Arraba	Section: 16120- Paragraph: 2.2A	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-0018-SNW-1547-A	Preliminary Operation & Maintenance Manual/Section 3B- Low Voltage Cable - Samur	Section: 16120- Paragraph: 2.2A	AD	CONS	SUB	SNW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 13, 2016	6	A	
SUB-13-0018-ARW-1548-A	Preliminary Operation & Maintenance Manual/Section 3C- Lighting Fixtures - Arraba	Section: 01300, 16500	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-0018-SNW-1549-A	Preliminary Operation & Maintenance Manual/Section 3C- Lighting Fixtures - Samur	Section: 01300, 16500	AD	CONS	SUB	SNW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-0018-ARW-1550-A	Preliminary Operation & Maintenance Manual/Section 9J- Submersible Sump Pumps - Arraba	Section: 11149- Paragraph: 2.1 & 2.2	AD	CONS	SUB	ARW			A		January 6, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-0018-SNW-1551-A	Preliminary Operation & Maintenance Manual/Section 9J- Submersible Sump Pumps - Samur	Section: 11149- Paragraph: 2.1 & 2.2	AD	CONS	SUB	SNW			A		January 5, 2016	January 7, 2016		February 6, 2016	January 12, 2016	5	B	
SUB-13-0018-ARW-1552-A	Certificate of Proper Installation for Arraba Additional Booster Pumps	Section 11103 & Contractor's Manual Sec. 7	AD	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-0018-ARW-1553-A	Certificate of Proper Installation for Arraba Surge Tanks	Section 13206 & Contractor's Manual Sec. 7	AD	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-0018-ARW-1554-A	Test Certificates for Arraba Additional Booster Valves & Fittings	Section 15217- Paragraph: 2.2.1-C	TR	CONS	SUB	ARW			A		From main contractor directly	January 7, 2016		February 6, 2016	January 7, 2016	0	A	
SUB-13-0018-SNW-1555-A	Coordination Study and Arc Flash Label	Section: 16431	AD	CONS	SUB	SNW			A		From main contractor directly	January 13, 2016		February 12, 2016				Pending
SUB-13-0018-ARW-1556-A	Updated Safety Plan for Working at Night - Arraba	Contractor's Manual -Sec.4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	ARW			A		From main contractor directly	January 14, 2016		February 13, 2016	January 24, 2016	10	B	
SUB-13-0018-SNW-1557-A	Preliminary Operation & Maintenance Manuals/Section 3K/ Lighting and Earthing System - Samur	Section: 16670	AD	CONS	SUB	SNW			A		January 16, 2016	January 17, 2016		February 16, 2016	January 24, 2016	7	B	
SUB-13-0018-ARW-1558-A	Preliminary Operation & Maintenance Manuals/Section 3K/ Lighting and Earthing System - Arraba	Section: 16670	AD	CONS	SUB	ARW			A		January 16, 2016	January 17, 2016		February 16, 2016	January 24, 2016	7	B	
SUB-13-0018-SNW-1559-A	Certificate of Proper Installation for Samur Well Pump	Section 11101 & Contractor's Manual Sec. 7	AD	CONS	SUB	SNW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-WER-1560-A	Monthly Safety Plan Update - December 2015	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-WER-1561-A	Monthly Risk Management Plan Update - December 2015	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-WER-1562-A	Monthly Environmental Plan Update and Mitigation Plan Update-December 2015	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-ARW-1563-A	Test Results for Disinfection of Arraba BT (Compartment 1 & 2)	Section: 01650	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 20, 2016	0	A	
SUB-13-0018-ARW-1564-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Fence Wall Segment C-G Metering and Control Pad	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-ARW-1565-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Segment D-D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-ARW-1566-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-ARW-1567-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement (Area 2.1/Rep(1,2&3) and Area 3/Rep (4 &5)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-ARW-1568-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Concrete Pavement (Area 4)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	A	
SUB-13-0018-SNW-1569-A	Test Report on Natural Sand - Samur (McMar Plan)	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 20, 2016		February 19, 2016	January 21, 2016	1	C	
SUB-13-0018-SNW-1570-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Well Head, Stage 1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	A	
SUB-13-0018-SNW-1571-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Well Head, Stage 2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	A	
SUB-13-0018-ARW-1572-A	Test Report on Concrete Compressive Strength at 28 Days of Age - LQ Side Walk	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	C	
SUB-13-0018-ARW-1573-A	Test Report on Concrete Compressive Strength at 35 Days of Age - Yard Pavement (Area 1)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	January 21, 2016		February 20, 2016	January 21, 2016	0	C	
SUB-13-0018-ARW-1574-A	Preliminary Operation & Maintenance Manual/Section 9D/ Fire Extinguishers - Arraba	Section: 10520	AD	CONS	SUB	ARW			A		January 21, 2016	January 21, 2016		February 20, 2016	January 27, 2016	6	B	
SUB-13-0018-SNW-1575-A	Preliminary Operation & Maintenance Manual/Section 9D/ Fire Extinguishers - Samur	Section: 10520	AD	CONS	SUB	SNW			A		January 21, 2016	January 21, 2016		February 20, 2016	January 27, 2016	6	B	
SUB-13-0018-WER-1576-A	Certificates of Proper Installation for VFDs & Switch Gear	Section 16362, 16457 & Contractor's Manual Sec. 7	AD	CONS	SUB	WER			A		From main contractor directly	January 24, 2016		February 23, 2016	January 31, 2016	7	A	
SUB-13-0018-SNW-1577-A	Updated Start-Up Procedure - Samur Well	Section 01660	AD	CONS	SUB	SNW			A		From main contractor directly	January 24, 2016		February 23, 2016	January 31, 2016	7	B	
SUB-13-0018-ARW-1578-A	QC Monthly Report December 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	January 25, 2016		February 24, 2016	January 28, 2016	3	B	
SUB-13-0018-SNW-1579-A	Field Tests (Instrumentation Calibration & Settings, Cable's Insulation and Motor's Insulation)	Section 16050	TR	CONS	SUB	SNW			A		From main contractor directly	January 25, 2016		February 24, 2016	January 28, 2016	3	A	
SUB-13-0018-ARW-1580-A	Preliminary Operation & Maintenance Manual/Section 4/ PLC Based Control System Hardware and Software - Arraba	Section: 17510 & 17520	AD	CONS	SUB	ARW			A		January 27, 2016	January 28, 2016		February 27, 2016				Pending
SUB-13-0018-WER-1581-A	Surge Tanks Warranties for Arraba & Samur	Section: 13206	AD	CONS	SUB	WER			A		From main contractor directly	January 28, 2016		February 27, 2016	January 31, 2016	3	A	
SUB-13-0018-SNW-1582-A	Preliminary Operation & Maintenance Manual/Section 3H/ Low Voltage Motor Control Center - Samur	Section: 16480	AD	CONS	SUB	SNW			A		January 28, 2016	January 28, 2016		February 27, 2016				Pending
SUB-13-0018-WER-1583-A	AC Units Trainer CV	Section: 01670	AD	CONS	SUB	WER			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending
SUB-13-0018-SNW-1584-A	Electrical Field Tests (Fire Alarm System, Lighting & Power Receptacles, Intrusion Switch & Earthing System)	Section 16050	TR	CONS	SUB	SNW			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending
SUB-13-0018-SNW-1585-A	Hardened Concrete Cores Test Report for Samur Reinforced Concrete Pavement- Stage 1 & 2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	January 31, 2016		March 1, 2016				Pending

## SNW 22.7 Requests for Information Log

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NTP: 23-Oct-13

Task Order: Task Order: 00018-WER

Projects: Project 1-ARW Arraba Well Pump Station  
 Project 2-SNW Sanur Well Pump Station  
 Project 3-SDW Saadeh Well Rehabilitation

NOA: 25-Sep-13

**Request for Information Log**

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Needed by	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
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No RFIs were submitted during the reporting period

## SNW 22.8 Variation Order Request and Variation Order Log

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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

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 Vos issued during the reporting period

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

**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			
VOR-00018-WER-031-A	January 6, 2016		ARW 103 cd SNW 78 cd	285742.2 \$	-	-	1- ARDAN Letter confirming compliance with specs. 2- SIEMENS Letter and VFDs procurement overview. 3- Security delays log. 4- DJRs. 5- E-mails from IRD security coordinator. 6- E-mails from USAID and BV. 7- E-mails from AGC. 8- Letter from pumps manufacturer. 9- Letter to DCL. 10- Security coordination tracking log. 11- Time impact analyses as of November 30, 2015. 12- SNW+ARW-Shutdown schedule October 31st 2015. 13- SNW+ARW Shutdown schedule November 26th, 2015. 14- SNW+ARW-Shutdown schedule November 30th, 2015. 15- Email from WBWD to postponed shutdown date. 16- Email from Logging company-(Lapidoth). 17- IRD and AGC Delays cost breakdown.	Delays Due to Damaged VFDs and Recently Encountered Prevailing Security Conditions and Closures in the Area		
VOR-00018-WER-032-A	January 10, 2016	January 17, 2016	0	36,304.00	-	-	1- Price Quotation Breakdown (Excel). 2- PN 40 ARV offer. 3- Flanged valve offer. 4- PN 16 ARV offer. 5- Threaded valve offer. 6- Referenced BoQ items. 7- Referenced drawing sheets (3M-1 & 3M-3).	Booster Pumps and Barrels Air Vent System.	No entitlement	

## SNW 22.9 Employment Generated Data

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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  
 Temproray Job Days Summary Report

Task Order Name: Wells Rehabilitation Project-WER

PERIOD FROM: Oct-23-2013 (NTP)

Sub-project or Activity Name: Project 2-SNW Sanur Well Pump Station

PERIOD TO:

CONTRACTOR: IRD

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Males)	Total Job Days (Females)	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	0	0	0	0	0	0	0	0		
November	2013	36	0	4	7	3	50	2	50	0	
December	2013	45	14	9	3	24	95	4	87	8	
January	2014	65	39	3	2	72	181	8	152	29	
February	2014	60	38	0	0	69	167	7	138	29	
March	2014	75	49	3	6	67	199	8	158	41	
April	2014	79	72	196	162	208	716	30	650	66	
May	2014	95	87	188	185	255	810	34	745	65	
June	2014	83	83	90	107	168	530	22	478	52	
July	2014	75	72	99	48	160	453	19	406	47	
August	2014	68	78	73	40	183	441	19	389	52	
September	2014	79	78	204	137	203	700	29	654	46	
Total of FY 2014							4341	182.3844538	3905	435	
October	2014	67	66	167	133	197	629	26	596	33	
November	2014	80	78	209	158	189	712	30	673	39	
December	2014	80	80	180	171	200	710	30	670	40	
January	2015	71	67	136	119	197	589	25	553	36	
February	2015	68	66	118	116	182	548	23	508	40	
March	2015	81	80	189	166	216	731	31	665	67	
April	2015	78	77	225	200	217	796	33	733	64	
May	2015	78	77	218	195	240	808	34	744	64	
June	2015	78	76	210	113	225	702	30	639	63	
July	2015	58	63	197	109	225	650	27	598	52	
August	2015	68	68	309	186	241	870	37	816	54	
September	2015	58	58	248	114	225	703	30	657	46	
Total of FY 2015							8447	354.894958	7850	597	
October	2015	64	65	237	107	230	702	29	650	52	
November	2015	65	65	135	75	230	570	24	518	52	
December	2015	75	68	438	88	266	933	39	855	78	
January	2016	77	73	280	79	249	758	32	680	78	
February	2016										
March	2016										
April	2016										
May	2016										
June	2016										
July	2016										
August	2016										
September	2016										
Total of FY 2016							2963	124.4905462	2703	260	

Note :

\* No of Full Time Equivalent (FTE) Jobs in the Month = Total Job Days / Avg. Days in the Month(23.8)

\*\* This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

USAID WEST BANK / GAZA  
 INFRASTRUCTURE NEEDS PROGRAM INPH  
 CONTRACT NO. AID-294-1-00-12-00003  
 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- Samir Pump Station  
 CONTRACTOR: IRD  
 SUBCONTRACTOR: Al Abbas Company

DATE	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 & HSE Manager	Water Storage & RL, etc.	Development Control Engineer (P)	Treatment Control Engineer	Civil Engineer (P)	Office Engineer	Site Engineer	Supervision	Skilled Labor	Foreman	Equipment Operator	Program	Unskilled Labor	Guard / Security	Junior (P)	Junior	Treatment Control Officer	Surveyor						Surveyor Assistant	Civil	Geologist	Driver	Bi-Security
January 1, 2016	4									8	70		16		16	40										0.5	0	11.75	2	5
January 2, 2016	4	4	4	8	4	4	4	4	8	12	50	8	8		16	40	16	8		4			4			2.5	3	9.75	2	9
January 3, 2016	4	4	4	8	4	4	4	4	8	12	40	8	10		24	40	16	8		4			4			2.5	3	8.75	3	9
January 4, 2016	4	4	4	8	4	4	4	4		12	40	8	8		24	40	16	8		4			4			2.5	2	8.5	3	9
January 5, 2016	4	4	4	8	4	4	4	4	8	12	48	8	6		24	40	16	8		4		3				2.5	3	9.25	3	8.75
January 6, 2016	4	4	4	8	4	4	4	4	8	12	48	8	8		24	40	16	8		4		4	2			2.5	3	9.5	3	9.25
January 7, 2016	4	4	4	8	4	4	4	4	8	12	64	8	12		24	40	16	8		4		4				2.5	3	12	3	9
January 8, 2016																40										0	0	0	0	5
January 9, 2016	4	4	4	8	4	4	4	4	8	12	40	8	6		24	40	16	8		4		4				2.5	3	8.25	3	9
January 10, 2016	4	4	4	8	4	4	4	4	8	12	40	8	8		24	40	16	8		4						2.5	3	8.5	3	8.5
January 11, 2016	4	4	4	8	4	4	4	4	8	8	64	8	8		24	40	16	8		4						2.5	3	11	3	8.5
January 12, 2016	4	4	4	8	4	4	4	4	8	12	64	8	2		24	40	16	8		4						2.5	3	10.75	3	8.5
January 13, 2016	4	4	4	8	4	4	4	4	8	12	64	8	12		24	40	16	8		4						2.5	3	12	3	8.5
January 14, 2016	4	4	4	8	4	4	4	4	8	12	64	8			24	40	16	8		4						2.5	3	10.5	3	8.5
January 15, 2016	8	4								10	20				32	40										1.5	0	3.75	4	5
January 16, 2016	4	4	4	8	4	4	4	4	8	12	40	8	8		16	40	16	8		4						2.5	3	8.5	2	8.5
January 17, 2016	4	4	4	8	4	4	4	4	8	12	80	8	8		16	40	16	8		4						2.5	3	13.5	2	8.5
January 18, 2016	4	4	4	8	4	4	4	4	8	12	48	8	4		24	40	16	8		4						2.5	3	9	3	8.5
January 19, 2016	4	4	4	8	4	4	4	4	8	12	40	8	4		16	40	16	8		4						2.5	3	8	2	8.5
January 20, 2016	4	8	4	12	4	4	4	4	8	12	48	8	4		16	40	16	8		4						3.5	3	9	2	8.5
January 21, 2016	4	8	4	12	4	4	4	4	8	12	72	8	4		48	40	16	8		4						3.5	3	12	6	8.5
January 22, 2016	12	8								12	36				16	40										2.5	0	6	2	5
January 23, 2016	4	8	4	8	4	4	4	4	8	32	8				16	40	16	8		4						3	2	6	2	8.5
January 24, 2016	4	8	4	8	4	4	4	4	1	8	32	8				40	16	8		4						3	2,125	6	0	8.5
January 25, 2016	4	8	4	8	4	4	4	4	1	8	30	8			16	40	16	8		4						3	2,125	5.75	2	8.5
January 26, 2016	4	4	4	8	4	4	4	4		50	8				8	40	16	8								2.5	2	7.25	1	8
January 27, 2016	4	4	4	8	4	4	4	4	8	8	50	8			32	40	16	8								2.5	3	8.25	4	8
January 28, 2016	4	8	4	8	4	4	4	4	8	8	100	8			24	40	16	8								3	3	14.5	3	8
January 29, 2016	12	12								12	50				24	40		8								3	0	7.75	3	6
January 30, 2016	4	8	4	8	4	4	4	4	8	8	80	8			16	40	16	8		4						3	3	12	2	8.5
January 31, 2016	4	4	4	10	4	4	4	4	8	8	80	8			16	40	16	8		4						2.75	3	12	2	8.5
<b>Total of Month</b>	<b>140</b>	<b>156</b>	<b>104</b>	<b>218</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>170</b>	<b>310</b>	<b>1584</b>	<b>208</b>	<b>136</b>	<b>0</b>	<b>632</b>	<b>1240</b>	<b>416</b>	<b>216</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>77</b>	<b>73</b>	<b>280</b>	<b>79</b>	<b>249</b>

## SNW 22.10 Risk Register Log

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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 appears during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	Delay in work, water shortage in the villages.	Contractor	11th of July,2014	1	1	1	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The underground power cable was exposed then protected properly. Piping system -in all times- will be avoided during excavations and necessary repair will immediately be performed if any pipe is incidentally broken.	IRD	Closed.	

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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