



# USAID | WEST BANK/GAZA

## CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01-June 30, 2014

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

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

WELLS REHABILITATION PROJECT-WER

July 06, 2014

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

# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01-June 30, 2014

PROJECT I-ARRABA WELL PUMP STATION-ARW

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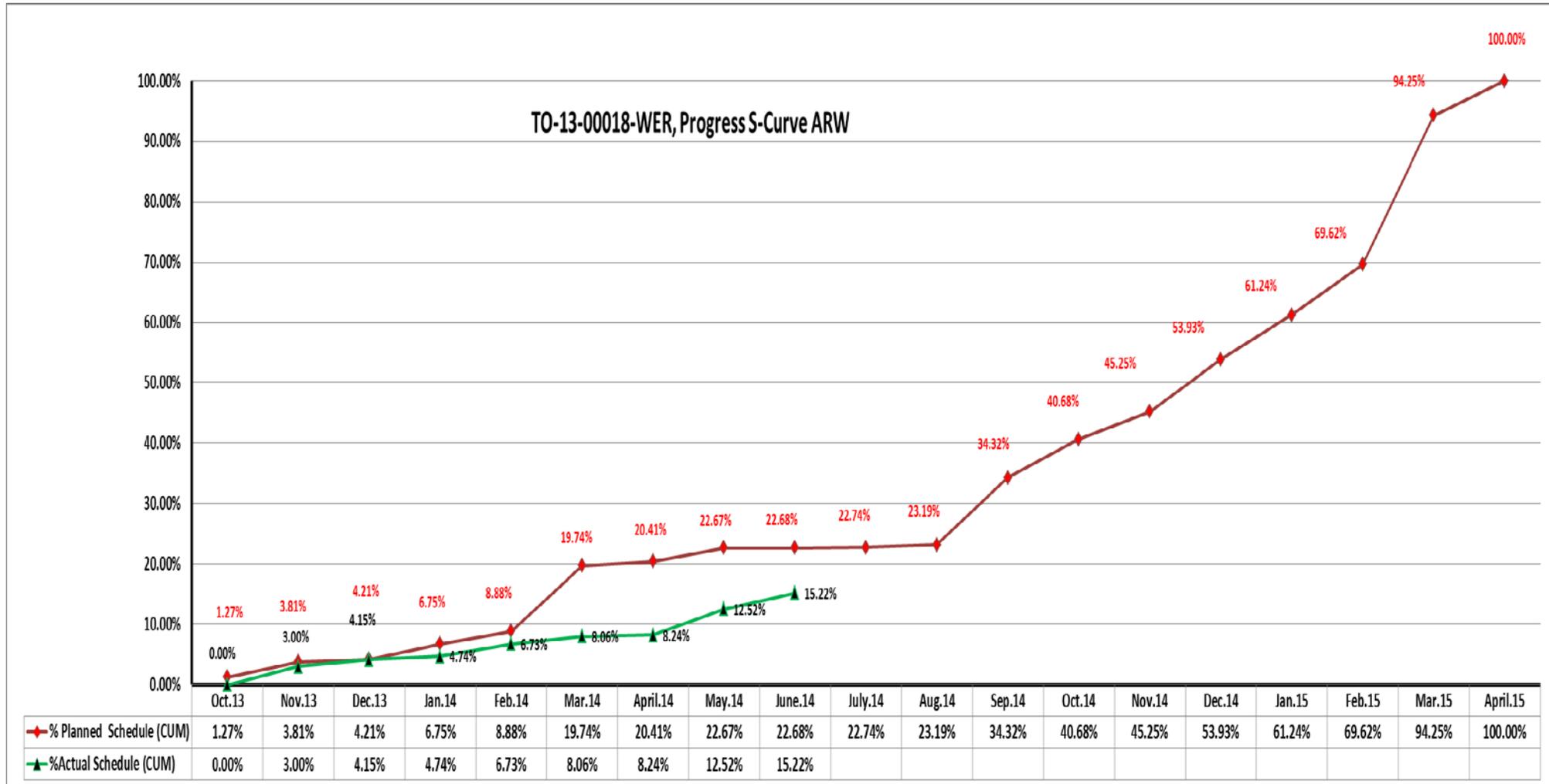
## Table of Contents

1. Arraba Well (ARW) Dashboard Status .....	3
2. Public Relation and Outreach .....	4
3. Safety and Environmental Status.....	4
4. Security Coordination .....	7
5. Material or Equipment Delivered to Site.....	7
6. Progress and Scheduling.....	7
7. Submittal Status:.....	8
8. Construction Activities.....	9
9. Updated Schedule.....	10
10. Site Memos .....	10
11. Inspection Requests.....	10
12. Test Reports.....	10
13. Request for Information .....	17
14. Summary of Payments and Accrued Expenditures.....	17
15. Variation Orders and Variation Order Requests.....	17
16. Operation, Maintenance and Training .....	17
17. Risk Management and Mitigation Measures.....	17
18. Summary of Working/Non-Working Days .....	18
19. Project Indicators.....	19
20. General Comments .....	19
21. Construction Photos .....	19

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## 1. Arraba Well (ARW) Dashboard Status



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## 2. Public Relation and Outreach

1. Taking photos that show the activities at the project site;
2. Coordination with WBWD.
3. Site visits by BV and USAID.

## 3. Safety and Environmental Status

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

### **Traffic Management:**

Traffic plan for Arraba project had been submitted, 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: Four toolbox meetings were conducted during the month of June 2014.

### **Environmental Status**

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

### **Accident Status:**

During the current reporting period (0) accident occurred.

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

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

### **Notice of Unsafe Condition:**

No NUC's were issued during the reporting period.

### **Safety Conclusion:**

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

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**Safety Photos:**



Safety tool box meeting-ARW



Safety tool box meeting-ARW



Safety training for all staff, supervisors and managers



Site arrangement (housekeeping)-ARW

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Site arrangement (housekeeping)-ARW



Site arrangement (housekeeping)-ARW



A body harness for fall protection while using the ladders



Compacting the ground to prevent dust-ARW



Removing nails by using magnet -ARW

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Adjusting the electrical cable on the wooden column-ARW



Installing safe access over the steel bars-ARW



Checking scaffolding before use-ARW



Checking scaffolding before use-ARW

#### 4. Security Coordination

There was no security coordination carried out during the current reporting period.

#### 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	22.68%
Actual percentage complete	15.22%
Elapsed Time	45.64%

Table 6.1-ARW-Progress Summary Table

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Project Overall Status: we are still behind the schedule with 58 days negative float; these delays are accumulated delays due to delay in shutting down the well and in launching the development activities. Besides, preparation of retaining walls and balancing tank shop drawings took more than anticipated. Construction of balance tank (though it was approved on 17 of April, 2014) couldn't be started until finishing SEC. B of the retaining wall from St. 55+600 to St. 78+800 which is directly facing the balance tank.

During the reporting period, construction activities of retaining wall, B.T pits and suction header area are still progressing. Concrete casting and relevant works for the entire retaining wall footing was completed by finishing footing segments from St. 0.00 to St. 30+400 and from St. 126+800 to St. 140+200.

Vertical walls of the retaining wall were completed from St. 0+000 to St. 102+000 except for the segment from St. 30+400 to 36+400. Formwork, steel reinforcement, electro-mechanical fittings installation and sump-Pit frame fixing for sump pits and suction header area, were also completed during this reporting period and ready for concrete pouring. Excavations for balancing tank will be started soon once retaining wall segment from St. 55+600 to St. 78+800 (vertical wall) is completed, since construction of this retaining wall segment is directly affected by the balance tank which if constructed before will overlap with work space needed for the retaining wall construction; though the second step of the wall at that segment is not finished yet.

Construction submittals and shop drawings are ongoing and relevant specific method statements for planned construction activities are constantly prepared.

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

## 7. Submittal Status:

During the current reporting period a total of 65 submittals (including resubmittals) were delivered under TO-18-WER including 5 retracted submittal; 23 submittals were submitted under SUB-18-ARW (for Arraba Well separately); 17 submittals were submitted under SUB-18-SNW (for Sanur Well separately) and 25 submittals were submitted under SUB-18-WER. Review comments were received for 50 submittals out of the 65 submittals. Total response time from the CMC ranged between 0 to 28 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	16
B - Make Corrections Noted	14
C- Amend and Resubmit	18
D- Rejected- Resubmit	0
E- Review Not Required	2
Retracted submittals	5

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Submittal Disposition	Total
Total submittals delivered	65
Total submittals reviewed	50
Submittals delivered not reviewed	15

Table 7.2-WER-Submittal Disposition

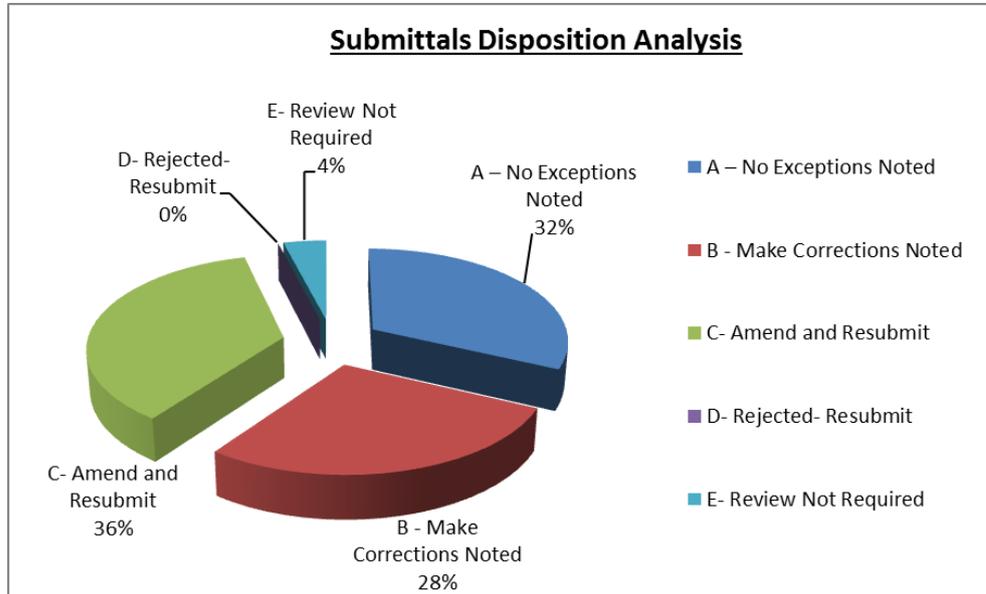


Figure 7.1-WER-Submittals Disposition Analysis

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:

- Completed formwork, steel reinforcing, concrete casting, de-shuttering & concrete curing for the segments of footing of retaining wall indicated below:
  - From St. 0+000 to St. 30+400.
  - From St.126+800 to St. 140+200
- Completed formwork, steel reinforcing, concrete casting, de-shuttering & concrete curing for all segments of the vertical wall indicated below:
  - From St.0+000 to St. 30+400.
  - From St.36+400 to St. 55+600.
  - From St.55+600 to St. 78+800. (First lift to H=3.5 m)
  - From St.78+800 to St. 102+000. (First lift to H=3.5 m).
- Completed formwork (first erection) for retaining wall from St.102+00 to St.126+800.

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- Completed formwork, steel reinforcement, electro-mechanical fittings installation and sump-pit S.S frame fixing, for sump pits and suction header area.
- Construction submittals and shop drawings preparation and submission are still ongoing.

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

- Continue formwork, reinforcement, shuttering and concrete pouring for the rest of retaining wall segments (vertical walls), including fixing fencing.
- Complete works on B.T pits, sump pit and suction header area.
- Start excavations for balance tank.
- Coordination with WBWD (West Bank Water Department).

## 9. Updated Schedule

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

## 10. Site Memos

One site memo was issued from the Engineer to the Contractor during the current reporting period. For further details, please see Attachment ARW 22.3- Site Memo Log.

## 11. Inspection Requests

During the current reporting period, 47 inspection requests were submitted to the Engineer including resubmitted inspections, 44 for Arraba project, one for Sanur project and two under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

## 12. Test Reports

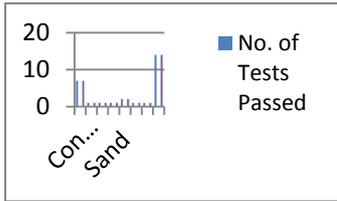
Fourteen reports had been conducted during the current reporting period, twelve under Arraba Well Project, one under Sanur Well Project and one under WER, all the tests passed according to the testing lab and conformed to QC specifications as follows:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Concrete	7			7
Backfill	1			1
Base course	1			1
Reinforcement Steel Bars	1			1
Sand	2			2
Sub-grade	1			1
Water	1			1
<b>Total</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>14</b>

Table 12.1- QC Analysis Table

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**Figure 12.1- QC Analysis Bar Chart**

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

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7 days concrete compressive strength test for retaining wall from St. (90+050) to St. (126+76).



Take sand sample before casting concrete for retaining wall Sec. (E), St. (00+00) to St. (30+4000).



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Take concrete samples and field tests (air content & slump) for retaining wall footing, section (E) from St. (00+00) to St. (30+400).



Take concrete samples and field-tests (air content & slump, temperature) for retaining wall foundation Section (C) from St. (36+400) to St. (55+600).

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Take concrete samples and field tests (air content & slump) for retaining wall first step, section (B) from St. (78+800) to St. (102+000).



Take concrete samples and field tests (air content, temperature & slump) for retaining wall, section (E) from St. (00+000) to St. (30+400).

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28 days concrete compressive strength test for retaining wall footing from St. (90+050) to St. (126+76).



Take concrete samples and field tests (air content, temperature & slump) for retaining wall first step, section (B) from St. (55+600) to St. (78+800).

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Take concrete samples and field-tests (air content, temperature & slump) for retaining wall (footing), section (C) from St. (126+800) to St. (140+200).



Take samples for all the raw materials of concrete mix (Sand, Somsom, Cement, SP95) - Me'mar Plant for quality assurance.

**NCR-13-00018-ARW-E-C-001:**

On June 26, 2014 the results of the “28 days compressive” test for samples from concrete casted for retaining wall (from St. 90+050 to St, 126+76) failed to comply with specs. Our approved lab recommendations call for further investigation in this regard by conducting a core test parallel with crushing the reaming collected samples on the 35-day and 45-day. IRD will follow the Lab recommendations and the Engineer will shortly receive a method statement regarding core testing and concrete repair after conducting core testing. We hope that crushing on 35 days and 45 days

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will give promising results that comply with required strength. Moreover, IRD immediately called for a concrete conference to discuss and reveal reasons behind this failed result. NCR-13-00018-ARW-E-C-001 had been issued by the CMC on June 29, 2014 in this regard.

### 13. Request for Information

During the current reporting period, two Requests for Information (RFI) were submitted to the CMC under Arraba well, two Requests for Information (RFI) were submitted to the CMC under Sanur well and one for both Arraba and Sanur Wells. For further information regarding the submitted RFIs, please see Attachment ARW 22.7-Request for Information Log.

### 14. Summary of Payments and Accrued Expenditures

IRD submitted its fourth payment under Task Order No. 13-00018 / INP II; the first submission was on June 19, 2014 and the second submission was on June 23, 2014. The payment was reviewed and approved by CMC on June 23, 2014. The corresponding payment amount had not been received by USAID yet. This payment covers the period from April 21 to June 06, 2014.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
4	Apr.21, 14	Jun.06, 14	182,998.56	475,400.35	658,398.91	Jun. 19, 14	Jun.23, 14	-

Table 14.1-ARW-Payment Summary

Accrued expenditures for Task Order 13-00018-ARW=  
 $\$991,932.60 - \$658,398.91 = \$333,533.69$ .

### 15. Variation Orders and Variation Order Requests

Two Variation Order Requests were submitted to CMC for both Arraba and Sanur Wells and one VOR submitted for Sanur Well separately; no Variation Orders were issued for this project during the current reporting period.

### 16. Operation, Maintenance and Training

This section is not applicable for the current reporting period

### 17. Risk Management and Mitigation Measures

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

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Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD-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.
Fall of personnel during construction of retaining wall.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars	IRD-PM	Holding meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings.

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.

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	217 Calendar Days
7.	Total No. of non-working days(Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	30 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

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## 19. Project Indicators

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

Target Value for Project 1:

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

Table 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: 2841 person days;
- Employment generated this month: 823 person days;
- Total cumulative employment generated to-date: 3664 person days.

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

On June 26, 2014 the results of the “28 days compressive” test for samples from concrete casted for retaining wall (from St. 90+050 to St, 126+76) failed to comply with specs. Our approved lab recommendations call for further investigation in this regard by conducting a core test parallel with crushing the reaming collected samples on the 35-day and 45-day. IRD will follow the Lab recommendations and the Engineer will shortly receive a method statement regarding core testing and concrete repair after conducting core testing. We hope that crushing on 35 days and 45 days will give promising results that comply with required strength. Moreover, IRD immediately called for a concrete conference to discuss and reveal reasons behind this failed result. NCR-13-00018-ARW-E-C-001 had been issued by the CMC on June 29, 2014 in this regard.

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## 21. Construction Photos

	
<p><b>Photo Date- 1<sup>st</sup> of June, 2014:</b> Curing concrete for retaining wall.</p>	<p><b>Photo Date- 1<sup>st</sup> of June, 2014:</b> Formwork for retaining wall Sec. (E).</p>
	
<p><b>Photo Date- 3<sup>rd</sup> of June, 2014:</b> Surveying works.</p>	<p><b>Photo Date- 5<sup>th</sup> of June, 2014:</b> Reinforcement steel works for retaining wall section E.</p>
	
<p><b>Photo Date- 5<sup>th</sup> of June, 2014:</b> 7-days concrete compressive strength test.</p>	<p><b>Photo Date- 5<sup>th</sup> of June, 2014:</b> Tool box meeting.</p>

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**Photo Date- 7<sup>th</sup> of June, 2014:** Taking sand samples from Me'mar plant.



**Photo Date- 7<sup>th</sup> of June, 2014:** Checking scaffolding by competent person.



**Photo Date- 8<sup>th</sup> of June, 2014:** Casting concrete for retaining wall sec. E.



**Photo Date- 8<sup>th</sup> of June, 2014:** Formwork for retaining wall section (B) from St. (78+100) to St. (101).



**Photo Date- 9<sup>th</sup> of June, 2014:** Insulation of retaining wall with Netproof-30.



**Photo Date- 9<sup>th</sup> of June, 2014:** Painting formwork with Rebool.

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**Photo date- 17<sup>th</sup> of June, 2014:** Formwork and reinforcement for suction header area.



**Photo date- 17<sup>th</sup> of June, 2014:** De-shuttering of retaining wall -sec. (C).



**Photo date- 22<sup>nd</sup> of June, 2014:** Concrete curing for retaining wall (vertical walls)-sec. (B).



**Photo date- 22<sup>nd</sup> of June, 2014:** Excavations and compaction works for retaining wall footing from St. (126) to St. (137+760).



**Photo date- 23<sup>rd</sup> of June, 2014:** Fixing weep hole & polystyrene board.



**Photo date- 23<sup>rd</sup> of June, 2014:** Start formwork for retaining wall (walls) section (C) –St. (139+060) to St. (142+000).

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**Photo Date- 10<sup>th</sup> of June, 2014:** Reinforcement works for retaining wall section (B) from St. (78+800) to St. (102+000) and for R.W sec. (C, D).



**Photo date- 11<sup>th</sup> of June, 2014:** Conducting toolbox meeting.

**Photo date- 11<sup>th</sup> of June, 2014:** Fixing steel and perforated pipes for balance tank sump pit.



**Photo date- 12<sup>th</sup> of June, 2014:** Formwork for R.W. (second shuttering), Section (C) from St. (30+400) to St. (55+600).

**Photo date- 12<sup>th</sup> of June, 2014:** Casting concrete for B.T. sump pit.

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**Photo date- 14<sup>th</sup> of June, 2014:** Taking concrete samples and field-testing.



**Photo date- 15<sup>th</sup> of June, 2014:** Start formwork for retaining wall footing section (E) from St. (00+000) to St. (30+400).



**Photo date- 15<sup>th</sup> of June, 2014:** Applying damp-proof material for the pit of the pump suction header.



**Photo date- 16<sup>th</sup> of June, 2014:** Backfilling for sump pit of the pump suction header.



**Photo date- 16<sup>th</sup> of June, 2014:** Site visit by USAID and BV.

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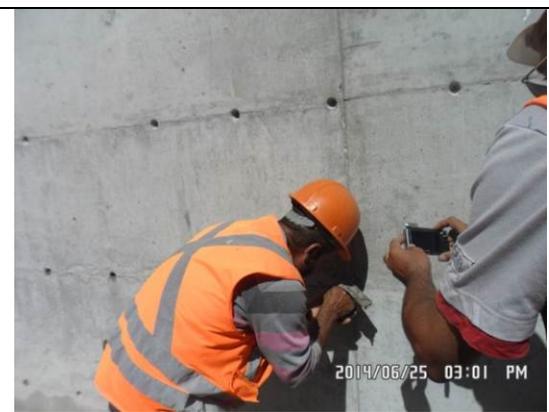
**Photo date- 24<sup>th</sup> of June, 2014:** De-shuttering of formwork for retaining wall (vertical walls), sec. (E).



**Photo date- 24<sup>th</sup> of June, 2014:** Installation of vapor barriers and reinforcement steel works for retaining wall (walls) sec. (C) –St. (126+000) to St. (142+000).



**Photo date- 25<sup>th</sup> of June, 2014:** Installation of 1” 3LPE electrical conduits for suction header area.



**Photo date- 26<sup>th</sup> of June, 2014:** Concrete surface repair (retaining wall).



**Photo date- 26<sup>th</sup> of June, 2014:** Installation of water stop for suction header area.



**Photo date- 28<sup>th</sup> of June, 2014:** Starting of formwork for retaining wall (vertical walls) section B from St. (102+000) to St. (126+800).

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**Photo date- 29<sup>th</sup> of June, 2014:** Collecting samples from stockpiles at Me'mar batch plant.

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01-June 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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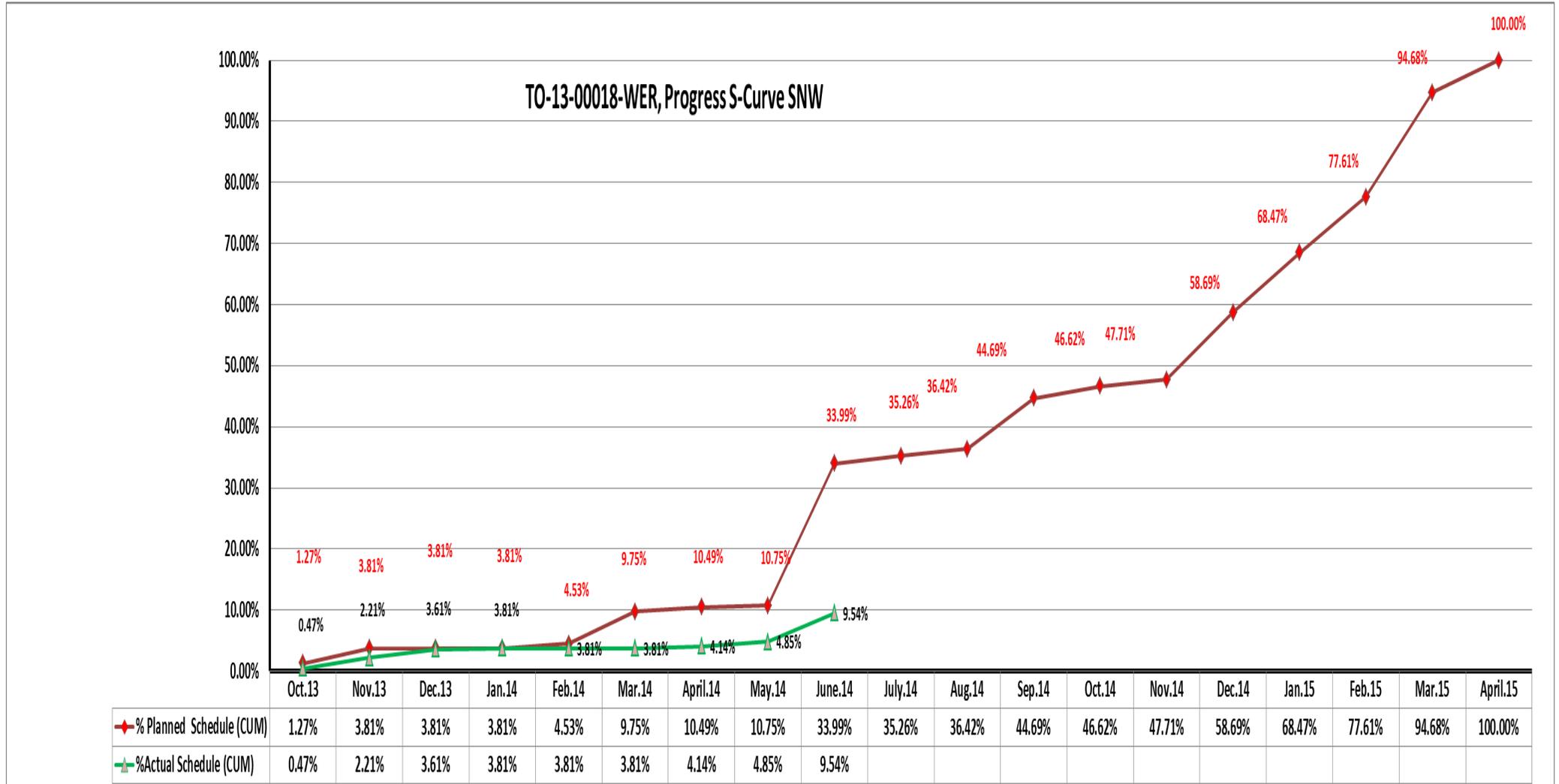
## Table of Contents

1. Sanur Well (SNW) Dashboard Status .....	29
2. Public Relation and Outreach .....	30
3. Safety and Environmental Status.....	30
4. Security Coordination .....	31
5. Material or Equipment Delivered to Site.....	32
6. Progress and Scheduling.....	32
7. Submittal Status.....	33
8. Construction Activities.....	34
9. Updated Schedule.....	35
10. Site Memos .....	35
11. Inspection Requests.....	35
12. Test Reports.....	35
13. Request for Information .....	36
14. Summary of Payments and Accrued Expenditures.....	36
15. Variation Orders and Variation Order Requests.....	37
16. Operation, Maintenance and Training .....	37
17. Risk Management and Mitigation Measures.....	37
18. Summary of Working/Non-Working Days .....	38
19. Project Indicators.....	38
20. General Comments .....	39
21. Construction Photos .....	39

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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.
- Site visits by B.V main office and USAID.
- Coordination with land owners regarding disposal of water.

## 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: One toolbox meeting was conducted during the month of June 2014 (the main activity was pumping to communities).

### Environmental Status

Environmental Status was checked on daily basis; no environmental issues were encountered during this reporting period.

### Accident Status:

During the current reporting period (0) accident occurred.

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

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

### Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

### Safety Violation Notice

During the current reporting period (0) accident occurred

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**Safety Conclusion:**

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

**Safety Photos**



Safety tool box meeting-SNW



Cleaning (housekeeping) the site -SNW

**DISCLAIMER:**

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#### 4. Security Coordination

There was no security coordination carried out during the current reporting period.

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

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

#### 6. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	33.99%
Actual percentage complete	9.54%
Elapsed Time	45.64%

Table 6.1-SNW-Progress Summary Table

Project Overall Status: We are still behind the schedule with 95 days negative float; these delays are accumulated delays due to delay in shutting down the well in addition to fishing of the earlier fallen strainer and the unforeseen conditions that required

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more time for cleaning consolidated materials from the borehole. Moreover, preparation of balancing tank shop drawings took more than anticipated, and starting construction of the balancing tank was postponed for a while as the contractor planned to begin with the proposed retaining wall.

During the current reporting period, pumping to communities continued utilizing the smaller submersible pump (125 m<sup>3</sup>/hr). From first of June until fifth of June, 2014 the entire pumping process was documented and static water level and dynamic water level were recorded. Water Samples were taken regularly by Imhoff, and on the 3<sup>rd</sup> of June, 2014 water sample was also taken by the lab for analysis. After 125 hours of pumping to communities recovery is done to the well. RFI#34 was submitted to the Engineer to approve this pumping with the 125m<sup>3</sup>/hr as constant rate testing.

The submitted RFI#35 regarding pumps procurement from local manufacturers is approved, IRD is in the process of preparing all documents and data to submit to the Engineer. RFI#36 for the proposed site plan in which a slight shifting of the B.T is requested to avoid overlapping with existing electrical room is submitted and approved too. VOR#6 was submitted to the Engineer regarding new retaining wall parallel with a shop drawing of the proposed new retaining wall.

On the other hand, and as per an agreement with WBWD, the smaller submersible pump was pulled out, video logging was repeated since the submitted video logging was not approved, and the existing VLST pump is being installed and will be done and resume pumping to communities shortly.

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

## 7. Submittal Status

During the current reporting period a total of 65 submittals (including resubmittals) were delivered under TO-18-WER including 5 retracted submittal; 23 submittals were submitted under SUB-18-ARW (for Arraba Well separately); 17 submittals were submitted under SUB-18-SNW (for Sanur Well separately) and 25 submittals were submitted under SUB-18-WER. Review comments were received for 50 submittals out of the 65 submittals. Total response time from the CMC was between 0 to 28 days. The following table and graph provide a summary of the submittals disposition status.

Submittal Disposition	Total
A – No Exceptions Noted	16
B - Make Corrections Noted	14
C- Amend and Resubmit	18
D- Rejected- Resubmit	0
E- Review Not Required	2

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Submittal Disposition	Total
Retracted submittals	5
<b>Total submittals delivered</b>	<b>65</b>
<b>Total submittals reviewed</b>	<b>50</b>
<b>Submittals delivered not reviewed</b>	<b>15</b>

Table 7.2-WER-Submittal Disposition

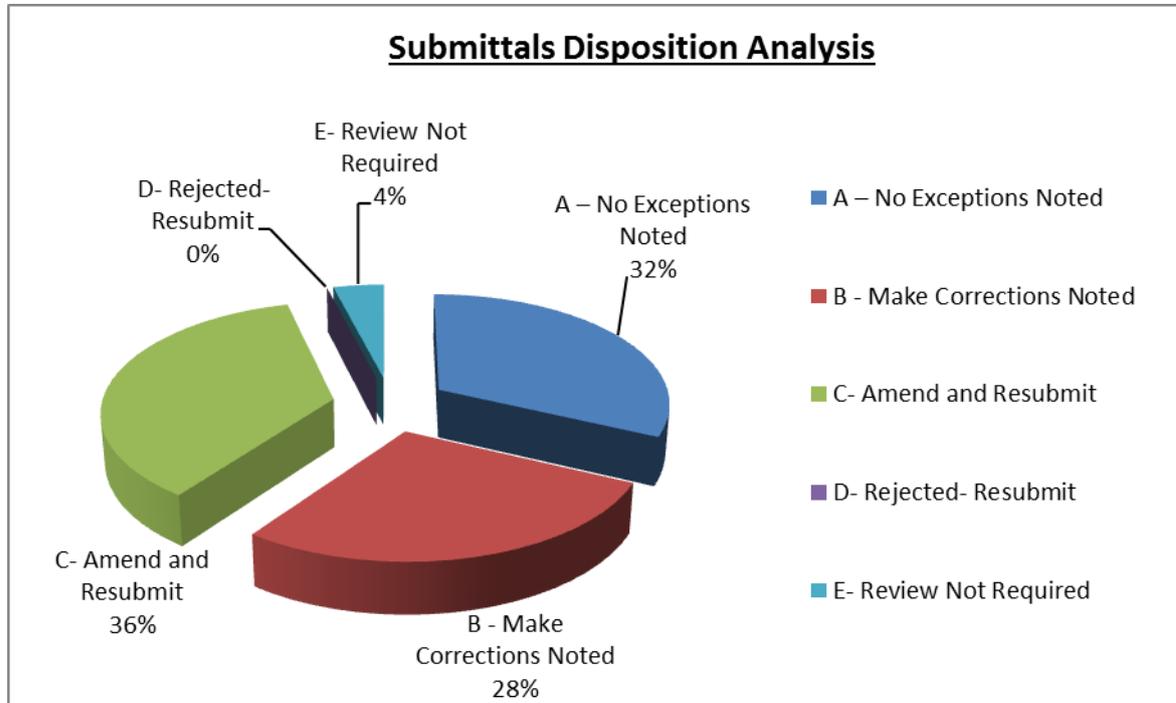


Figure 7.1-WER-Submittals Disposition Analysis

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

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

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

- Surveying works for the main road adjacent to well site in the east side of the well.
- Performing post well development pumping with the smaller test pump (125 m<sup>3</sup>/hr.) and pumping water to communities.
- Pumping water to communities as per contract and specifications using 125 m<sup>3</sup>/hr submersible test pump.
- Pulling out test submersible pump, conducting video logging and start re-installations of existing VLST pump as per agreement with WBWD.
- Construction submittals and shop drawings preparation and submission.

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

- Continue re-installation of existing VLST pump as per agreement with WBWD.

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- Continue pumping to communities with the VLST pump.
- Start excavations for the balance tank and retaining wall (VOR#6 is approved).
- Demolition of the existing old chlorination room and existing storage room.
- Continue preparation and submission of construction submittals and shop drawings.
- Coordination with WBWD.

## 9. Updated Schedule

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

## 10. Site Memos

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

## 11. Inspection Requests

During the current reporting period, 47 inspection requests were submitted to the Engineer including resubmitted inspections, 44 for Arraba project, one for Sanur project and Two under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

## 12. Test Reports

Fourteen reports had been conducted during the current reporting period, twelve under Arraba Well Project, one under Sanur Well Project and one under WER, all the tests passed according to the testing lab and conformed to QC specifications as follows:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Concrete	7			7
Backfill	1			1
Base course	1			1
Reinforcement Steel Bars	1			1
Sand	2			2
Sub-grade	1			1
Water	1			1
Total	14	0	0	14

Table 12.1- QC Analysis Table

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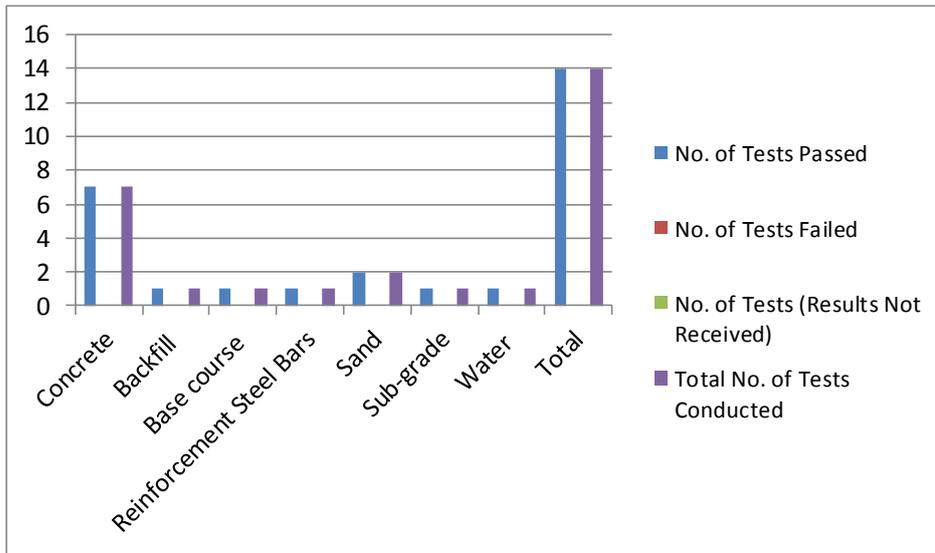
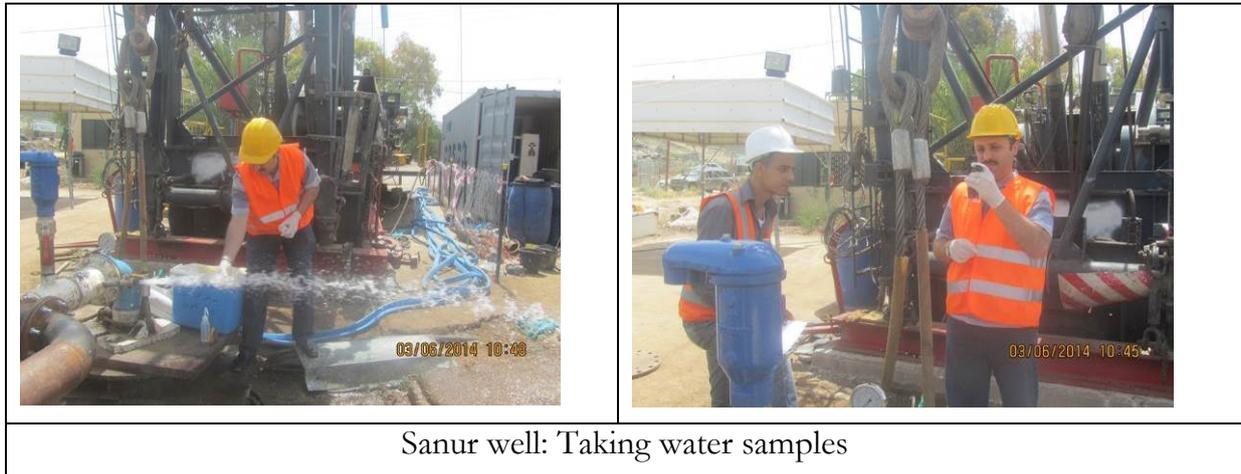


Figure 12.1-WER QC Analysis Bar Chart

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



### 13. Request for Information

During the current reporting period, two Requests for Information (RFI) were submitted to the CMC under Sanur well and one for both Arraba and Sanur Wells. For further information regarding the submitted RFIs, please see Attachment SNW 22.7-Request for Information Log.

### 14. Summary of Payments and Accrued Expenditures

IRD submitted its fourth payment under Task Order No. 13-00018 / INP II; the first submission was on June 19, 2014 and the second submission was on June 23, 2014. The payment was reviewed and approved by CMC on June 23, 2014. The corresponding payment amount had not been received by USAID yet. This payment covers the period from April 21 to June 06, 2014.

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Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
4	Apr.21, 14	Jun.06, 14	9,657.53	267,094.93	276,752.46	Jun. 19, 14	Jun.23, 14	-

**Table 14.1-SNW-Payment Summary**

Accrued expenditures for Task Order 13-00018-SNW=  
 \$668,526.60 - \$276,752.46=\$391,774.14.

### 15. Variation Orders and Variation Order Requests

Two Variation Order Requests were submitted to CMC for both Arraba and Sanur Wells and one VOR submitted for Sanur Well separately; no Variation Orders were issued for this project during the current reporting period.

### 16. Operation, Maintenance and Training

This section is not applicable for the current reporting period

### 17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Damage of the 120 m <sup>3</sup> /hr smaller pump due to sand accumulation inside impellers.	The bigger pump was shut down due to intensive sand content entrapped in the impellers and the second attempt to operate the pump resulted in burning of the motor. The issue is that the well is producing sand at higher pumping rates, and gradually sand and mud accumulated in pump impellers starting from the impeller hub and spreading all the way to clog the entire impeller.	IRD	IRD installed another submersible pump (125m <sup>3</sup> /hr) in an attempt to conduct a constant rate test. Later on and through an agreement with WBWD, IRD replaced the submersible pump that was given to WBWD to operate Qabatia well with the Existing VLST pump.
Existing VLST pump- Risk of fall of equipment during re-installation.	Due to the age and conditions of the PWA Vertical turbine pump and accessories and since its pumping set was dismantled and reassembled, it might fall during installations (slippage of pipes from couplings) or might not work properly after re-installation.	IRD	During the re-installation process, all pipes and parts had been checked and worn pieces were replaced. Work is being performed patiently and with extreme care and attention.

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

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

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

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	29 Calendar Days
6.	Accumulated Working Days	217 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	1 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	30 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

## 19. Project Indicators

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

Target Value for Project 2:

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

Table 19.1-SNW-Target Value for Project 2

### 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: 2217 person days;
- Employment generated this month: 528 person days;
- Total cumulative employment generated to-date: 2745 person days.

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

As per an agreement with WBWD, IRD is requested to pull out the test submersible pump that was pumping to communities in order to be used in another well belonging to WBWD, and to replace it with the previously removed VLST pump. IRD already pulled out the submersible pump and started installation of the removed existing VLST pump. Installation and resuming pumping of water to communities will be completed ASAP.

**21. Construction Photos**

	
<p><b>Photo Date: 1<sup>st</sup> of June, 2014:</b> Post well development pumping by the smaller pump, and pumping turbid water to discharge.</p>	<p><b>Photo Date: 1<sup>st</sup> of June, 2014:</b> WBWD quality engineer testing water quality to decide pumping to communities.</p>
	
<p><b>Photo Date- 2<sup>nd</sup> of June, 2014:</b> Pumping to communities during constant rate testing with smaller pump (125 m<sup>3</sup>/hr)</p>	
	
<p><b>Photo Date- 3<sup>rd</sup> of June, 2014:</b> Taking water samples during post well development pumping and pumping to communities.</p>	<p><b>Photo Date- 4<sup>th</sup> of June, 2014:</b> Measuring S.W.L.</p>

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**Photo Date- 8<sup>th</sup> of June, 2014:** Taking water samples by Imhoff prior pumping to communities.



**Photo Date- 9<sup>th</sup> of June, 2014:** Measuring S.W.L

**Photo Date- 16<sup>th</sup> of June, 2014:** USAID COR visit.

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Photo Date- 22<sup>nd</sup> ,23<sup>rd</sup> of June, 2014: Pulling out (125 m<sup>3</sup>/hr) submersible testing pump.



Photo Date- 24<sup>th</sup> of June, 2014: Performing video logging after pulling out of the submersible pump.



Photo Date- 25<sup>th</sup> -30<sup>th</sup> of June, 2014: Re-installation of VLST pump as per agreement with WBWD.

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# CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01-June 31, 2014

PROJECT 3-SAADEH WELL REHABILITATION-SDW

**DISCLAIMER:**

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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: Zero beneficiaries**

**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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**WEST BANK/GAZA**

# CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: June 01 - June 30, 2014

WELLS REHABILITATION PROJECT-WER

<July 06, 2014>

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:

June 01 - June 30, 2014

PROJECT I-ARABA WELL PUMP STATION-ARW

## Attachments

### 1. Attachments

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

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

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

## Roll Up Schedule

29-Jun-14

Activity ID	Activity Name	Original Duration	Actual Total Cost	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q
									D	J	F	A	J	J	A	S	N
<b>Total</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	23-Oct-13		0									
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	23-Oct-13		0									
<b>Milestones</b>		503	\$0.00	30-Jun-14	29-Jul-15	23-Oct-13		-94									
General Milestones		503	\$0.00	22-Jun-15	29-Jul-15	23-Oct-13		-94									
Intermediate Milestones		474	\$0.00	30-Jun-14	23-Jul-15	01-Dec-13		-95									
<b>Mobilization</b>		24	\$0.00			24-Oct-13	08-Jan-14										
<b>Submittals</b>		418	\$0.00	29-Jun-14	29-Jul-15	31-Oct-13		0									
Pre Construction Submittals		45	\$0.00			31-Oct-13	31-Mar-14										
Construction Submittals		364	\$0.00	29-Jun-14	27-May-15	14-Nov-13		-43									
Material Submittals		309	\$0.00	29-Jun-14	24-Mar-15	06-Jan-14		12									
Civil		309	\$0.00	29-Jun-14	24-Mar-15	06-Jan-14		12									
Earth Works		49	\$0.00	29-Jun-14	29-Jun-14	12-Apr-14		122									
Concrete Works		106	\$0.00	29-Jun-14	05-Jul-14	07-Jan-14		214									
Roads Works		78	\$0.00	29-Jun-14	14-Oct-14	13-May-14		142									
Miscellaneous		81	\$0.00	29-Jun-14	14-Oct-14	06-Jan-14		129									
Building Works		210	\$0.00	29-Jun-14	24-Mar-15	16-May-14		-1									
Mechanical		184	\$0.00	29-Jun-14	03-Dec-14	06-Jan-14		88									
Local Manufacturer		104	\$0.00	29-Jun-14	26-Aug-14	10-Feb-14		168									
Abroad Manufacturer ( Long Lead Items)		168	\$0.00	29-Jun-14	03-Dec-14	06-Jan-14		-24									
Electrical		160	\$0.00	29-Jun-14	21-Sep-14	06-Feb-14		135									
Abroad Manufacturer ( Long Lead Items)		134	\$0.00	29-Jun-14	21-Sep-14	10-Mar-14		53									
Local Manufacturer		129	\$0.00	29-Jun-14	16-Aug-14	06-Feb-14		166									
Shop Drawings		364	\$0.00	29-Jun-14	27-May-15	17-Dec-13		-49									
Civil		206	\$0.00	29-Jun-14	13-Nov-14	17-Dec-13		109									
Mechanical		150	\$0.00	29-Jun-14	10-Jan-15			64									
Electrical		344	\$0.00	29-Jun-14	27-May-15	20-Feb-14		-55									
Methods Statement & Work Plans		363	\$0.00	29-Jun-14	26-May-15	14-Nov-13		-43									
Civil		363	\$0.00	29-Jun-14	26-May-15	14-Nov-13		-43									
Mechanical		63	\$0.00	16-Aug-14	02-Nov-14			109									
Electrical		77	\$0.00	16-Aug-14	19-Nov-14			107									
Post Construction Submittals		0	\$0.00	29-Jul-15	29-Jul-15			0									
<b>Procurement</b>		206	\$0.00	29-Jun-14	14-Apr-15			-14									
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		204	\$0.00	29-Jun-14	28-Jan-15			52									
Material Order & Manufacture		204	\$0.00	29-Jun-14	28-Jan-15			52									
Mechanical Equipment		187	\$0.00	29-Jun-14	07-Jan-15			64									
Electrical Equipment		204	\$0.00	29-Jun-14	28-Jan-15			52									
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Material Order & Manufacture		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Mechanical Equipment		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Electrical Equipment		204	\$0.00	29-Jun-14	28-Jan-15			52									
Steel Pipes,Fittings&Valves		93	\$0.00	10-Nov-14	19-Mar-15			-18									
Material Order & Manufacture		83	\$0.00	10-Nov-14	05-Mar-15			-19									
All Needed Pipes,Steel Pipes & Fittings		60	\$0.00	16-Dec-14	05-Mar-15			-32									
Valves		81	\$0.00	10-Nov-14	18-Feb-15			-9									
Material Delivery		21	\$0.00	18-Feb-15	19-Mar-15			-18									
All Needed Pipes,Steel Pipes & Fittings		12	\$0.00	05-Mar-15	19-Mar-15			-22									
Valves		12	\$0.00	18-Feb-15	05-Mar-15			-9									
<b>Execution Phase</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	24-Oct-13		0									
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		340	\$854,759.23	29-Jun-14	22-Jun-15	24-Oct-13		27									
Mobilization for P1		24	\$248,265.55			24-Oct-13	08-Jan-14										
P1 - Arraba Well Pump Station Rehabilitation		63	\$196,503.49			25-Dec-13	28-Mar-14										
Design Review After Well Development Results		151	\$0.00			14-Mar-14	19-Jun-14										
Geophysical Logging Final Acceptance		1	\$0.00			14-Mar-14	27-May-14										

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



Date	Revision	Checked	Approved
30-Jun-14	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

29-Jun-14

Activity ID	Activity Name	Original Duration	Actual Total Cost	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q
									D	J	J	A	J	J	A	S	N
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>																	
<b>Milestones</b>																	
<b>Intermediate Milestones</b>																	
MS00068	Completion of Rehabilitation for Sanour Well Pump Station	0	\$0.00		30-Jun-14			-91									
<b>Submittals</b>																	
<b>Construction Submittals</b>																	
<b>Material Submittals</b>																	
<b>Civil</b>																	
<b>Earth Works</b>																	
CS265	Approval of Bedding Material - Test Report/Soil Classification	0	\$0.00		29-Jun-14			122									
<b>Concrete Works</b>																	
CS945	Approval of Grout - Sample & Product Data	0	\$0.00		29-Jun-14			218									
CS999	Approval of Concrete Repair&Rehabilitation	0	\$0.00		05-Jul-14			34									
<b>Roads Works</b>																	
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	\$0.00	29-Jun-14	09-Jul-14			174									
<b>Miscellaneous</b>																	
CS250	Prep&Submit Identification Tape - Sample	7	\$0.00	29-Jun-14	09-Jul-14			89									
CS480	Prep.&Submit Manhole Cover, Frame and Steps - Product Data	7	\$0.00	13-Jul-14	23-Jul-14			139									
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	\$0.00	23-Jul-14	05-Aug-14			103									
CS900	Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			108									
CS970	Prep.&Submit Lockers - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS975	Prep.&Submit Storage Shelving - Sample	7	\$0.00	29-Jun-14	09-Jul-14			108									
<b>Building Works</b>																	
CS530	Prep.&Submit Concrete Block Masonary - Physical Samples & Test Report	7	\$0.00	29-Jun-14	09-Jul-14			140									
CS690	Prep.&Submit Rough&Finish Carpentry - Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS780	Prep.&Submit Flush Wood Doors - Sample	7	\$0.00	13-Jul-14	23-Jul-14			164									
CS890	Prep.&Submit Plastering Accessories - Sample	7	\$0.00	29-Jun-14	09-Jul-14			134									
CS910	Prep.&Submit Terrazzo Tiles - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			-1									
CS982	Prep.&Submit Toilet Accessories - Sample & Product Data	7	\$0.00	23-Jul-14	05-Aug-14			158									
<b>Mechanical</b>																	
<b>Local Manufacturer</b>																	
CS321	Prep&Submit Steel Pipes,Specials,Fittings&Pipes Supports - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			-32									
CS341	Prep&Submit Copper Pipes - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS367	Approval of CPVC Pipes - Product Data	0	\$0.00		29-Jun-14			99									
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS577	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Product Data/Test Reports	0	\$0.00		29-Jun-14			-10									
CS581	Prep.&Submit Plumping (Piping,Fixtures&Equipment) - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			98									
CS661	Prep&Submit Heat,Ventilation&Air Conditioning Equipment - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			46									
CS677	Prep&Submit Chlorination System Pumps,Tanks,Drums,Injectors,Hose Pips.	5	\$0.00	13-Jul-14	20-Jul-14			168									
CS688	Prep&Submit Kltchen Equipment - Product Data	5	\$0.00	13-Jul-14	20-Jul-14			166									
<b>Abroad Manufacturer ( Long Lead Items)</b>																	
CS225	Prep&submit Vertical Turbine Deep Well Pump - Arrabeh Well	21	\$0.00	29-Jun-14	04-Aug-14			10									
CS231	Prep&submit Canned Vertical Multistage Turbine Booster Pump	5	\$0.00	29-Jun-14	06-Jul-14			65									
CS251	Prep&Submit Submersible Sump Pump	5	\$0.00	29-Jun-14	06-Jul-14			29									
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	\$0.00	29-Jun-14	06-Jul-14			65									
CS291	Prep&Submit Horizontal Louver Blinds - Sample	5	\$0.00	29-Jun-14	06-Jul-14			65									

■ ( New Bar )      ▶ Summary  
■ Actual Work  
■ Remaining Work  
■ Critical Remaining Work  
◆ Milestone



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









## ARW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

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

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

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

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

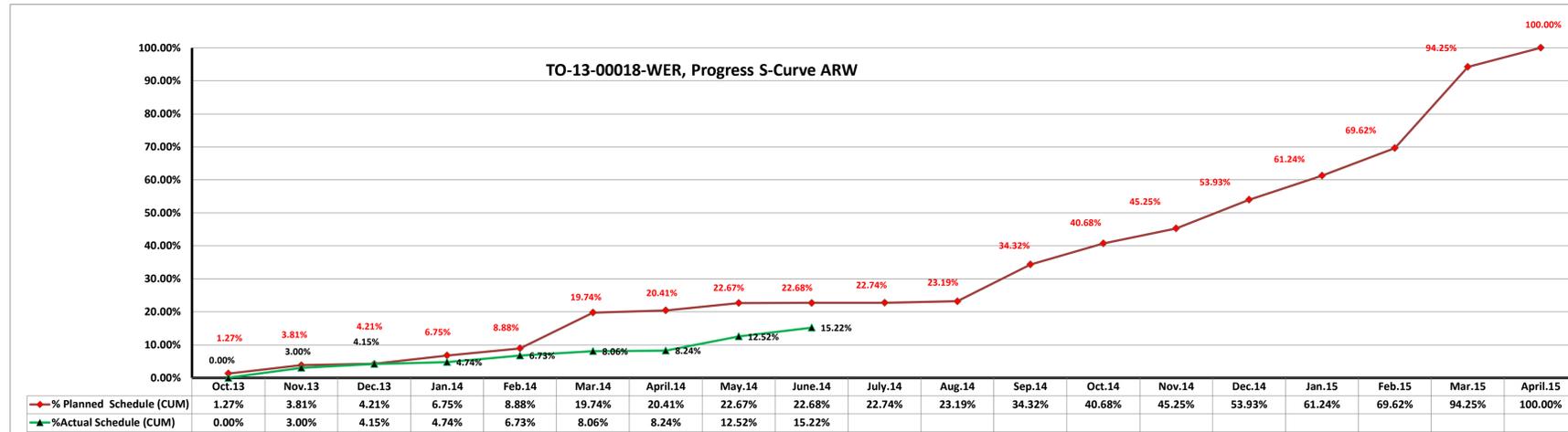
USD	
Total Contract Value Less Day Work:	\$7,011,251.36
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

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

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

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

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	TOTAL
Planned Schedule Value	\$82,755.18	\$165,510.37	\$26,232.56	\$165,634.50	\$138,884.18	\$707,403.93	\$43,377.32	\$147,314.16	\$1,081.74	\$3,588.59	\$29,267.90	\$725,813.31	\$414,044.16	\$297,923.42	\$565,839.48	\$476,014.65	\$546,154.18	\$1,605,620.26	\$374,510.68	\$6,516,970.57
Planned Schedule Value (CUM)	\$72,410.79	\$248,265.55	\$367,626.28	\$760,860.11	\$1,286,213.66	\$1,338,951.45	\$1,377,861.99	\$1,524,241.22	\$1,640,561.44	\$1,705,086.54	\$1,989,339.32	\$2,316,442.31	\$2,566,877.13	\$3,020,066.20	\$5,031,015.15	\$5,701,268.52	\$6,150,326.17	\$6,419,370.07	\$6,516,970.57	\$6,516,970.57
Actual Schedule Value	\$30,488.75	\$113,243.94	\$107,409.99	\$57,661.93	\$129,937.14	\$86,541.01	\$11,545.01	\$279,220.52	\$175,884.31											
Actual Schedule Value (CUM)	\$30,488.75	\$143,732.69	\$251,142.68	\$308,804.61	\$438,741.75	\$525,282.76	\$536,827.77	\$816,048.29	\$991,932.60											
% Planned Schedule	1.27%	2.54%	0.40%	2.54%	2.13%	10.85%	0.67%	2.26%	0.02%	0.06%	0.45%	11.14%	6.35%	4.57%	8.68%	7.30%	8.38%	24.64%	5.75%	100%
% Planned Schedule (CUM)	1.27%	3.81%	4.21%	6.75%	8.88%	19.74%	20.41%	22.67%	22.68%	22.74%	23.19%	34.32%	40.68%	45.25%	53.93%	61.24%	69.62%	94.25%	100.00%	100%
% Actual Schedule	0.00%	3.00%	1.15%	0.88%	1.99%	1.33%	0.18%	4.28%	2.70%											
% Actual Schedule (CUM)	0.00%	3.00%	4.15%	4.74%	6.73%	8.06%	8.24%	12.52%	15.22%											



## ARW 22.3 Site Memos Log

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

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-006	ARW Vertical Turbine Line Shaft Well pump. 1- Contractor could proceed with ARW Vertical Turbine Line Shaft Well pump ( VTLP) submittal and shop drawing process as per the attached specification section- 11101- (REV 3). 2- Contractor to submit a cost saving VOR accordingly.	June 19, 2014		SM is referred to Arraba Well

## ARW 22.4 Material or Equipment Delivered to Site Log

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## Material Log

<b>Task Order:</b>		AID-294-TO-13-00018		
<b>Project:</b>		Wells Rehabilitation Project		
<b>Sub-project</b>		Arraba Well Pump Station Rehabilitation and Infrastructure Improvements		
Item	Date	Description	Oty	Location
1	June 4, 2014	Steel tube 2x2 cm	24 MR	Arraba Well
2	June 7, 2014	4" PVC pipe	20 m	Arraba Well
3	June 8, 2014	Concrete B350	32 m <sup>3</sup>	Arraba Well
4	June 11, 2014	3" UPVC Pipe	30 m	Arraba Well
5	June 12, 2014	B350	2.50 m <sup>3</sup>	Arraba Well
6	June 14, 2014	B350	40 m <sup>3</sup>	Arraba Well
7	June 17, 2014	B350	50 m <sup>3</sup>	Arraba Well
8	June 22, 2014	B350	33 m <sup>3</sup>	Arraba Well
9		Reinforcement steel	11.4 Ton	
10	June 23, 2014	Tie Rod	330 Pcs	Arraba Well
11	June 24, 2014	1" 3LPE pipes	30 m	Arraba Well
12		Water stop	30 m	
13		Rendroc FC	2 X 25 kg	
14	June 26, 2014	Water Stop	36 ML	Arraba Well
15	June 28, 2014	4" PVC Pipe Plastic	15ML	Arraba Well
16		Plastic Chamfer	300 ML	Arraba Well
17	June 29, 2014	Concrete Type B350	86 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	June 1, 2014	Crawler Excavator- Hitachi			1
2		JCB Back Hole -1993			2
3		Steel Roller			1
4		Hand-Steel Roller			1
5		Crawler Excavator- Hitachi			1
6		JCB Back Hole -1993			2
7		Steel Roller			1
8		Hand-Steel Roller			1
9	June 2, 2014	Crawler Excavator- Hitachi			1
10		JCB Back Hole -1993			2
11		Steel Roller			1
12		Hand-Steel Roller			1
13		Level			1
14		Total Station			1
15		Mercedes 416 -2002	1	8	
16	Concrete Vibrator			3	
17	June 3, 2014	Crawler Excavator- Hitachi			1
18		JCB Back Hole -1993			2
19		Steel Roller			1
20		Hand-Steel Roller			1
21		Level			1
22		Total Station			1
23		Mercedes 416 -2002	1	8	
24	June 4, 2014	Crawler Excavator- Hitachi			1
25		JCB Back Hole -1993			2
26		Steel Roller			1
27		Hand-Steel Roller			1
28		Concrete Vibrator			3
29		Level	1	8	
30		Total Station	1	8	
31	Mercedes 416 -2002	1	8		
32	June 5, 2014	Crawler Excavator- Hitachi			1
33		JCB Back Hole -1993			2
34		Steel Roller			1
35		Hand-Steel Roller			1
36		Concrete Vibrator			3
37		Level	1	8	
38		Total Station			1
39		Mercedes 416 -2002	1	8	

### 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
40	June 6, 2014	Crawler Excavator- Hitachi			1
41		JCB Back Hole -1993			2
42		Steel Roller			1
43		Hand-Steel Roller			1
44		Level			1
45		Total Station			1
46	June 7, 2014	Crawler Excavator- Hitachi			1
47		JCB Back Hole -1993			2
48		Steel Roller			1
49		Hand-Steel Roller			1
50		Concrete Vibrator			3
51		Level			1
52	Total Station			1	
53		Mercedes 416 -2002	1	8	
54	June 8, 2014	Crawler Excavator- Hitachi			1
55		JCB Back Hole -1993			2
56		Steel Roller			1
57		Hand-Steel Roller			1
58		Level			1
59		Total Station			1
60		Mercedes 416 -2002	1	8	
61	June 9, 2014	Crawler Excavator- Hitachi			1
62		JCB Back Hole -1993			2
63		Steel Roller			1
64		Hand-Steel Roller			1
65		Level	1	8	
66		Total Station	1	8	
67		Mercedes 416 -2002	1	8	
68		Concrete Vibrator			3
69	June 10, 2014	Crawler Excavator- Hitachi			1
70		JCB Back Hole -1993			2
71		Steel Roller			1
72		Hand-Steel Roller			1
73		Level	1	8	
74		Total Station	1	8	
75		Mercedes 416 -2002	1	8	
76		Concrete Vibrator			3
77	June 11, 2014	Crawler Excavator- Hitachi			1
78		JCB Back Hole -1993			2
79		Steel Roller			1
80		Hand-Steel Roller			1
81		Level	1	8	
82		Total Station	1	8	
83		Mercedes 416 -2002	1	8	
84		Concrete Vibrator			3

### 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
85	June 12, 2014	Crawler Excavator- Hitachi			1
86		JCB Back Hole -1993			2
87		Steel Roller			1
88		Hand-Steel Roller			1
89		Level	1	8	
90		Total Station	1	8	
91		Mercedes 416 -2002	1	8	
92		Concrete Vibrator			3
93	June 13, 2014	Crawler Excavator- Hitachi			1
94		JCB Back Hole -1993			2
95		Steel Roller			1
96		Hand-Steel Roller			1
97		Level			1
98		Total Station			1
99		Concrete Vibrator			3
100	June 14, 2014	Crawler Excavator- Hitachi			1
101		JCB Back Hole -1993			2
102		Steel Roller			1
103		Hand-Steel Roller			1
104		Level	1	8	
105		Total Station	1	8	
106		Mercedes 416 -2002	1	8	
107	Concrete Vibrator	2	4		
108	June 15, 2014	Crawler Excavator- Hitachi			1
109		JCB Back Hole -1993			2
110		Steel Roller			1
111		Hand-Steel Roller			1
112		Level	1	8	
113		Total Station	1	8	
114		Mercedes 416 -2002	1	8	
115	Concrete Vibrator			3	
116	June 16, 2014	Crawler Excavator- Hitachi			1
117		JCB Back Hole -1993	1	8	1
118		Steel Roller			1
119		Hand-Steel Roller			1
120		Level	1	8	
121		Total Station	1	8	
122		Mercedes 416 -2002	1	8	
123	Concrete Vibrator			3	
124	June 17, 2014	Crawler Excavator- Hitachi			1
125		JCB Back Hole -1993			2
126		Steel Roller			1
127		Hand-Steel Roller			1
128		Level	1	8	
129		Total Station	1	8	
130		Mercedes 416 -2002	1	8	
131	Concrete Vibrator	2	8	1	

### 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
132	June 18, 2014	Crawler Excavator- Hitachi			1
133		JCB Back Hole -1993			2
134		Steel Roller			1
135		Hand-Steel Roller			1
136		Level	1	8	
137		Total Station	1	8	
138		Mercedes 416 -2002	1	8	
139		Concrete Vibrator			3
140	June 19, 2014	Crawler Excavator- Hitachi			1
141		JCB Back Hole -1993			2
142		Steel Roller			1
143		Hand-Steel Roller			1
144		Level	1	8	
145		Total Station	1	8	
146		Mercedes 416 -2002	1	8	
147		Concrete Vibrator			3
148	June 20, 2014	Crawler Excavator- Hitachi			1
149		JCB Back Hole -1993			2
150		Steel Roller			1
151		Hand-Steel Roller			1
152		Concrete Vibrator			3
153		Level			1
154		Total Station			1
155	June 21, 2014	Crawler Excavator- Hitachi			1
156		JCB Back Hole -1993			2
157		Steel Roller			1
158		Hand-Steel Roller			1
159		Level	1	8	
160		Total Station	1	8	
161		Mercedes 416 -2002	1	8	
162		Concrete Vibrator			3
163	June 22, 2014	Crawler Excavator- Hitachi			1
164		JCB Back Hole -1993	1	8	1
165		Steel Roller			1
166		Hand-Steel Roller	1	8	
167		Level	1	8	
168		Total Station	1	8	
169		Mercedes 416 -2002	1	8	
170		Concrete Vibrator	1	2	2
171	June 23, 2014	Crawler Excavator- Hitachi			1
172		JCB Back Hole -1993	1	2	
173		Steel Roller	1	2	1
174		Level	1	8	
175		Total Station	1	8	
176		Mercedes 416 -2002	1	8	
177		Concrete Vibrator			3

### 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
178	June 24, 2014	Crawler Excavator- Hitachi			1
179		JCB Back Hole -1993			2
180		Steel Roller			1
181		Hand-Steel Roller			1
182		Level	1	8	
183		Total Station	1	8	
184		Mercedes 416 -2002	1	8	
185		Concrete Vibrator			3
186	June 25, 2014	Crawler Excavator- Hitachi			1
187		JCB Back Hole -1993			2
188		Steel Roller			1
189		Hand-Steel Roller			1
190		Level	1	8	
191		Total Station	1	8	
192		Mercedes 416 -2002	1	8	
193		Concrete Vibrator			3
194	June 26, 2014	Crawler Excavator- Hitachi			1
195		JCB Back Hole -1993			1
196		Steel Roller			1
197		Hand-Steel Roller			1
198		Level	1	8	
199		Total Station	1	8	
200		Mercedes 416 -2002	1	8	
201		Concrete Vibrator			3
202	June 27, 2014	Crawler Excavator- Hitachi			1
203		JCB Back Hole -1993			2
204		Steel Roller			1
205		Hand-Steel Roller			1
206		Level			1
207		Total Station			1
208		Concrete Vibrator			3
209		June 28, 2014	Crawler Excavator- Hitachi		
210	JCB Back Hole -1993				1
211	Steel Roller				1
212	Hand-Steel Roller				1
213	Level		1	8	
214	Total Station		1	8	
215	Mercedes 416 -2002		1	8	
216	Concrete Vibrator				3
217	June 29, 2014	Crawler Excavator- Hitachi			1
218		JCB Back Hole -1993			1
219		Steel Roller			1
220		Hand-Steel Roller			1
221		Level	1	8	
222		Total Station	1	8	
223		Mercedes 416 -2002	1	8	
224		Concrete Vibrator	2	8	1



**Equipment Log**

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

**Project:** Wells Rehabilitation Project

**Sub-project:** Arraba Well Pump Station Rehabilitation & Infrastructure Improvements

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
225	June 30, 2014	JCB Back Hole -1993			1
226		Steel Roller			1
227		Hand-Steel Roller			1
228		Level	1	8	
229		Total Station	1	8	
230		Mercedes 416 -2002	1	8	
231		Concrete Vibrator			

## ARW 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  
 Sender/ Recipient: IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-032-C	June 2, 2014	June 3, 2014	Inspecting base course layer level for balance Tank pit at Arraba Well Pump Station	June 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-035-C	June 2, 2014	June 3, 2014	Inspecting location of retaining wall foundation from station (00+000) to station (30+690) after completion of base coarse works	June 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-040-B	June 2, 2014	June 3, 2014	Inspection for acceptance of the final base course level for retaining wall from station (00+000) to station (30+690) Note: The final base course level is for 5 m length	June 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-041-B	June 12, 2014	June 12, 2014	Inspection for acceptance of formwork and steel reinforcement for sump pit near balance tank at location 5	June 12, 2014	No Exceptions Noted		
IR-13-00018-ARW-044-A	June 1, 2014	June 2, 2014	Inspecting the first layer insulation of Nitoproof -30 for retaining wall footing from station (57+000) to station (90+610) prior to applying the second layer	June 2, 2014	Amend and Resubmit		
IR-13-00018-ARW-044-B	June 3, 2014	June 3, 2014	Inspecting the first layer insulation of Nitoproof -30 for retaining wall footing from station (57+000) to station (90+610) prior to applying the second layer	June 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-045-A	June 1, 2014	June 2, 2014	Inspecting the formwork erection for retaining wall from station (37+900) to station (55+610)	June 2, 2014	Amend and Resubmit		
IR-13-00018-ARW-045-B	June 3, 2014	June 4, 2014	Inspection the formwork erection for retaining wall from station (37+900) to station (55+610)	June 4, 2014	No Exceptions Noted		
IR-13-00018-ARW-046-A	June 3, 2014	June 4, 2014	Inspecting the second layer insulation of Nitoproof -30 for retaining wall footing from station (57+000) to station (90+610)	June 3, 2014	No Exceptions Noted		
<del>IR-13-00018-ARW-047-A</del>	<del>June 5, 2014</del>	<del>June 5, 2014</del>	<del>Inspection for formworks and steel reinforcement for the retaining wall foundation from station (00+000) to station (30+690) prior to casting concrete</del>	Retracted on June 05, 2014			
IR-13-00018-ARW-047-A	June 5, 2014	June 7, 2014	Inspection for formworks and steel reinforcement for the retaining wall foundation from station (00+000) to station (30+690) prior to casting concrete	June 7, 2014	No Exceptions Noted		
IR-13-00018-ARW-048-A	June 5, 2014	June 8, 2014	Inspecting concrete surfaces prepared to receive damp-proof material (Nito proof 30), from ST.91+610 to ST. 126+760	June 8, 2014	Amend and Resubmit	May 8, 2014	No Exceptions Noted
IR-13-00018-ARW-049-A	June 5, 2014	June 8, 2014	Inspection the formworks and steel reinforcement for retaining wall from station 37+900 to station 57+000 prior to concrete casting	June 8, 2014	Amend and Resubmit		
IR-13-00018-ARW-049-B	June 9, 2014	June 9, 2014	Inspection the formworks and steel reinforcement for retaining wall from station 37+900 to station 57+000 prior to concrete casting	June 9, 2014	Amend and Resubmit	June 10, 2014	No Exceptions Noted
IR-13-00018-ARW-050-A	June 9, 2014	June 9, 2014	Inspecting the first layer insulation of Nitoproof -30 for retaining wall footing from station (91+610) to station (126+760) prior to applying the second layer	June 9, 2014	No Exceptions Noted		
IR-13-00018-ARW-051-A	June 9, 2014	June 9, 2014	Inspecting formwork erection (Internal Shutter) for wall of Arraba retaining wall with height "3.5m" from station 80+200 to station 103+400	June 9, 2014	No Exceptions Noted		
IR-13-00018-ARW-052-A	June 9, 2014	June 10, 2014	Inspecting the second layer insulation of Nitoproof -30 for retaining wall footing from station (91+610) to station (126+760)	June 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-053-A	June 10, 2014	June 11, 2014	Inspecting the steel reinforcement for wall at height 3.5m-first pour-of Arraba retaining wall from station (078+90) to station (101+95) to close the back shutters	June 10, 2014	Rejected and Resubmit		
IR-13-00018-ARW-053-B	June 12, 2014	June 12, 2014	Inspecting the steel reinforcement for wall at height 3.5m-first pour-of Arraba retaining wall from station (078+90) to station (101+95) to close the back shutters	June 14, 2014	No Exceptions Noted		
IR-13-00018-ARW-054-A	June 12, 2014	June 14, 2014	Inspecting concrete surfaces prepared to apply damp-proof material (Nito proof 30), from ST.(00+00) to ST. (30+60)	June 14, 2014	No Exceptions Noted		
IR-13-00018-ARW-055-A	June 12, 2014	June 12, 2014	Inspection the formwork and steel reinforcement for retaining wall from station (36+50) to station (55+50) prior to concrete casting	June 12, 2014	No Exceptions Noted		
IR-13-00018-ARW-056-A	June 15, 2014	June 15, 2014	Inspecting concrete surfaces prepared to apply damp-proof material (Nita proof 30) for ARW balance tank (Sump pit) proof 30"	June 15, 2014	No Exceptions Noted		
IR-13-00018-ARW-057-A	June 15, 2014	June 15, 2014	Inspecting the first layer insulation of damp proof for retaining wall footing from station (00+000) to station (30+389)	June 15, 2014	No Exceptions Noted		
IR-13-00018-ARW-058-A	June 16, 2014	June 16, 2014	Inspecting the second layer insulation of Nitoproof -30 for retaining wall footing from station (00+000) to station (30+389)	June 16, 2014	No Exceptions Noted		
IR-13-00018-ARW-059-A	June 16, 2014	June 16, 2014	Inspecting steel reinforcement & formwork of retaining wall to close the back shutter from station (78+748) to station (101+948) prior to concrete casting	June 16, 2014	No Exceptions Noted		
IR-13-00018-ARW-060-A	June 16, 2014	June 16, 2014	Inspecting the first layer insulation of Nitoproof -30 for footing & walls of balance tank sump pit prior to applying the second layer	June 16, 2014	No Exceptions Noted		
IR-13-00018-ARW-061-A	June 16, 2014	June 16, 2014	Inspecting the second layer insulation of Nitoproof -30 for footing & walls of balance tank sump pit	June 16, 2014	No Exceptions Noted		
IR-13-00018-ARW-062-A	June 16, 2014	June 16, 2014	Inspecting the formwork erection for retaining wall from station (00+000) to station (30+389)	June 16, 2014	Rejected and Resubmit		
IR-13-00018-ARW-062-B	June 17, 2014	June 17, 2014	Inspecting the formwork erection for retaining wall from station (00+000) to station (30+389)	June 17, 2014	No Exceptions Noted		
IR-13-00018-ARW-063-A	June 18, 2014	June 18, 2014	Inspecting the location of balance tank pit and suction header area-slab on grade	June 18, 2014	Amend and Resubmit		
IR-13-00018-ARW-063-B	June 23, 2014	June 23, 2014	Inspecting the location of balance tank pit and suction header area-slab on grade	June 23, 2014	No Exceptions Noted		
IR-13-00018-ARW-064-A	June 18, 2014	June 18, 2014	Inspecting steel reinforcement of retaining wall from station (00+000) to station (30+389)	June 18, 2014	No Exceptions Noted		
IR-13-00018-ARW-065-A	June 19, 2014	June 21, 2014	Arraba Area System-Mechanical Pump Station-150 mm washout pipe location of the balance tank in the suction header area	June 21, 2014	No Exceptions Noted		

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

**Sender/ Recipient** IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-066-A	June 19, 2014	June 19, 2014	Inspecting the electrical pipes (1" Rigid Steel Pipes) Material	June 19, 2014	Amend and Resubmit		
IR-13-00018-ARW-066-B	June 24, 2014	June 24, 2014	Inspecting the electrical pipes (1" Rigid Steel Pipes) Material	June 24, 2014	No Exceptions Noted		
IR-13-00018-ARW-067-A	June 22, 2014	June 22, 2014	Inspecting of formwork erection for R.W. (first lift at height 3.5m) from St.55+548 To St.78+748	June 22, 2014	No Exceptions Noted		
IR-13-00018-ARW-068-A	June 23, 2014	June 23, 2014	Inspecting Arraba retaining wall location (coordinate) for retaining wall foundation excavation, from station (126+812) to station (140+233)	June 23, 2014	No Exceptions Noted		
IR-13-00018-ARW-069-A	June 23, 2014	June 24, 2014	Inspecting the steel reinforcement for retaining wall at height 3.5m-first pour- of Arraba retaining wall from station (55+548) to station (78+748) to close the back shutters	June 24, 2014	No Exceptions Noted		
IR-13-00018-ARW-070-A	June 25, 2014	June 25, 2014	Inspecting the steel reinforcement and formwork for retaining wall at height 3.5m-first pour-from station (55+548) to station (78+748) prior to concrete casting	June 25, 2014	No Exceptions Noted		
IR-13-00018-ARW-071-A	June 25, 2014	June 25, 2014	Inspecting the steel reinforcement and formwork for retaining wall footing from station (121+600) to station (140+200) prior to concrete casting	June 25, 2014	Amend and Resubmit		
IR-13-00018-ARW-071-B	June 26, 2014	June 26, 2014	Inspecting the steel reinforcement and formwork for retaining wall footing from station (121+600) to station (140+200) prior to concrete casting	June 26, 2014	No Exceptions Noted		
IR-13-00018-ARW-072-A	June 26, 2014	June 26, 2014	Inspecting 3LPE Electrical Conduit for Pipe Trench	June 26, 2014	No Exceptions Noted		
IR-13-00018-ARW-073-A	June 26, 2014	June 26, 2014	Inspecting the Steel Reinforcement and Formwork for Slab on Grade For Balance Tank Pit and Pumps Suction Header Area Prior To Cast Concrete	June 26, 2014	Amend and Resubmit		
IR-13-00018-ARW-074-A	June 29, 2014	June 29, 2014	Inspecting the formwork erection for retaining wall from station (30+400) to station (36+400)	June 29, 2014	No Exceptions Noted		

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

### Inspection Requests Log

<b>IRD/BV</b>							
<b>Task Order:</b>		AID-294-TO-13-00018					
<b>Project:</b>		Wells Rehabilitation Project (WER)					
<b>Sender/ Recipient</b>		IRD/BV				2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-WER-002-B	June 23, 2014	June 24, 2014	Inspection of alternative storage yard located in Anza village	June 24, 2014	Amend - Resubmit		
IR-13-00018-WER-003-A	June 12, 2014	June 12, 2014	Inspection the Steel Mesh Fence (Material) at Sanur Storage Yard	June 12, 2014	No Exceptions Noted		

## ARW 22.6 Submittals 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.

Submittal Categories	PD SD AD TR SMP RPT SOP SOS MAT	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE OTHER TEST REPORT SCHEDULE REPORT SAMPLE CONSTRUCTION & FORECAST MATERIAL	PCS CONS PDS	Procurement Construction Post construction	WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-14-WER-001-A First RE-Submittal SUB-14-WER-001-B Second Re-Submittal SUB-14-WER-001-C	Pre-Submittal Alpha Identifier	Submittal Disposition / Color Coding A - No Disposition Needed B - Make Construction Stage C - Approval and Revision D - Beyond Resolution E - Review Not Required Submitted Pending Response
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Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-066-B	Alternative Testing Lab CV-Tubss Engineering Testing CO.	Contractor's Manual-Sec. 4.4.1/11, Specs. Sec. 01400	AD	CONS	SUB	WER			B		From main contractor directly	June 24, 2014		July 24, 2014	June 25, 2014	1	E	
SUB-00018-ARW-089-C	Living Quarters Building Shop Drawing (Structural & Architectural)-Arraba Well Project.	Section 0700-Part 1 (1.3.B)-Drawing No: CSA(1-5), CSS(1,2) Rev. Confirmed General Design	SD	CONS	SUB	ARW	CS400		C		June 12, 2014	June 16, 2014		July 16, 2014	June 18, 2014	2	B	
SUB-00018-SNW-092-B	Septic Tank and Sewage Pit Shop Drawing (Structural & Architectural)-Samur Well Project	Section 03700-Part-1.3-B	SD	CONS	SUB	SNW			B		May 24, 2014	June 3, 2014		July 3, 2014	June 15, 2014	12	C	
SUB-00018-WER-215-C	Domed Centrifugal FRP Fans-Chlorination Room Fans	Section-15830-Part-2.2	PD	CONS	SUB	WER			C		June-16, 2014							Submitted on June 24, 2014 and Retracted on June 29, 2014.
SUB-00018-WER-218-C	Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section 17100-Part. 1.1-E-3(a-c)	PD	CONS	SUB	WER	CS1270		C		June 15, 2014	June 15, 2014		July 15, 2014	June 22, 2014	7	B	
SUB-00018-WER-231-A	Earthwork-Fill and Backfill Material Requirement	Section 02200-Part 2-(2.1-C)	SMP	CONS	Lab Test	WER	CS240		A		From main contractor directly	June 25, 2014		July 25, 2014	June 30, 2014	5	A	
SUB-00018-SNW-260-B	Construction Sequence for Samur Well Project	Section 01313-Part 1.1(A) and 1.6(A)	AD	CONS	SUB	SNW			A		From main contractor directly	June 22, 2014		July 22, 2014	June 26, 2014	4	A	
SUB-00018-ARW-265-B	Method Statement for Balance Tank Construction-Arraba Well Project	Section 01300-Part 1.8-B	AD	CONS	SUB	ARW			A		June 1, 2014	June 17, 2014		July 17, 2014	June 25, 2014	8	B	
SUB-00018-SNW-277-B	Completion Report For Samur Well Existing VIST Pump Removal	Section 01010 A-Part -3.3.1	AD	CONS	SUB	SNW			B		From main contractor directly	June 3, 2014		July 3, 2014	June 3, 2014	0	E	
SUB-00018-SNW-278-B	Final Video Logging-Samur Well	Section 02623-Part 4.2.4.E	AD	CONS	SUB	SNW			B		From main contractor directly	June 29, 2014		July 29, 2014				
SUB-00018-SNW-282-B	Samur Excavation and Backfill Shop Drawing	Section 01300-1.8-B	SD	CONS	SUB	SNW			B		June 7, 2014	June 8, 2014		July 8, 2014	June 16, 2014	8	C	
SUB-00018-SNW-282-C	Samur Excavation and Backfill Shop Drawing	Section 01300-1.8-B	SD	CONS	SUB	SNW			C		June 25, 2014	June 29, 2014		July 29, 2014				
SUB-00018-ARW-291-A	Balance Tank Underdrain System -Arraba Well Project	Section 01300-Part -1.8-B	SD	CONS	SUB	ARW			A		May 27, 2014	June 1, 2014		July 1, 2014	June 11, 2014	10	C	
SUB-00018-ARW-291-B	Balance Tank Underdrain System -Arraba Well Project	Section 01300-Part -1.8-B	SD	CONS	SUB	ARW			A		June 14, 2014	June 17, 2014		July 17, 2014	June 18, 2014	1	B	
SUB-00018-WER-292-A	Water Stop Sample - Supercast SW10-Sample	Section 03290-Part-2.2-B	SMP	CONS	SUB	WER			A		June 1, 2014	June 1, 2014		July 1, 2014	June 15, 2014	14	B	
SUB-00018-ARW-293-A	Degree of Compaction Test Report -Well Balancing Tank Pits Arraba Well Project	Section 02200-Part -2.2	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 1, 2014		July 1, 2014	June 2, 2014	1	A	
SUB-00018-SNW-294-A	Method Statement for Removal the Existing Fence -Samur Well Project	Section 01300-Part-1.8-B	AD	CONS	SUB	SNW			A		From main contractor directly	June 1, 2014		July 1, 2014	June 12, 2014	11	A	
SUB-00018-ARW-295-A	Living Quarters Building Shop Drawing (Electrical)-Arraba Well Project	Drawing No:EMZ-1-JQE-2-Rev. Confirm D	SD	CONS	SUB	ARW			A		May 18, 2014	June 3, 2014		July 3, 2014	June 10, 2014	7	C	
SUB-00018-ARW-296-A	Electrical Metering Building Shop Drawing (Electrical)-Arraba Well Project	Drawing No:EMZ-1-Rev. Confirm Document	SD	CONS	SUB	ARW	CS390		A		May 15, 2014	June 3, 2014		July 3, 2014	June 11, 2014	8	C	
SUB-00018-SNW-297-A	Retaining Wall Shop Drawing -Samur Well Project	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			A		May 28, 2014	June 3, 2014		July 3, 2014	June 16, 2014	13	C	
SUB-00018-SNW-297-B	Retaining Wall Shop Drawing -Samur Well Project	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			B		June 25, 2014	June 30, 2014		July 30, 2014				
SUB-00018-WER-298-A	QC Monthly Report-May, 2014	Contractor's Manual, Paragraph 4.1-Construction	AD	CONS	SUB	WER			A		From main contractor directly	June 3, 2014		July 3, 2014	June 4, 2014	1	C	
SUB-00018-WER-298-B	QC Monthly Report-May, 2014	Contractor's Manual, Paragraph 4.1-Construction	AD	CONS	SUB	WER			A		From main contractor directly	June 26, 2014		July 26, 2014				
SUB-00018-WER-299-A	Protective Coating for Concrete Surfaces-Balance Tank-Nitocote EPU	Section 09800-Part-2.2-P.1	PD	CONS	SUB	WER	CS998		A		May 29, 2014	June 3, 2014		July 3, 2014	June 15, 2014	12	B	
SUB-00018-WER-300-A	Drilled anchors and Reinforcing Bars-Lokfix	Section 03315-Part-3.3-C-(1,2)	PD	CONS	SUB	WER			A		June 3, 2014	June 4, 2014		July 4, 2014	June 10, 2014	6	B	
SUB-00018-SNW-301-A	Activity Report-Well Development by Jetting & Airlifting for Samur Well (SNW)	Section 02624-Part-3.1-A	AD	CONS	SUB	SNW			A		From main contractor directly	June 4, 2014		July 4, 2014	June 16, 2014	12	C	
SUB-00018-WER-302-A	Steel Structure Fabricator & Designer CV (Superior Detailing & Design)	Section 01300-Part-1.8-B	AD	CONS	SUB	WER			A		May 18, 2014	June 5, 2014		July 5, 2014	June 15, 2014	10	C	
SUB-00018-WER-302-B	Steel Structure Fabricator & Designer CV (Superior Detailing & Design)	Section 01300-Part-1.8-B	AD	CONS	SUB	WER			B		June 25, 2014	June 29, 2014		July 29, 2014				
SUB-00018-SNW-303-A	Activity Report for Samur Well Development By Pumping	Section 02624-Part-3.1-B	AD	CONS	SUB	SNW			A		From main contractor directly	June 8, 2014		July 8, 2014	June 30, 2014	22	C	
SUB-00018-WER-304-A	QA/QC Submittal Register Monthly Update May, 2014	Section 01300-Part 1.8 B Contractor's manual, 4.1-construction submittals (3)	AD	CONS	SUB	WER			A		From main contractor directly	June 8, 2014		July 8, 2014	June 19, 2014	11	C	
SUB-00018-WER-305-A	Updated CPM Construction Schedule-May 2014	Section 01311	TR	CONS	SUB	WER			A		From main contractor directly	June 9, 2014		July 9, 2014	June 24, 2014	15	B	
SUB-00018-WER-306-A	Monthly Risk Management Plan Update May, 2014	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-WER-307-A	Monthly Environmental Plan Update and Mitigation Plan Update May, 2014	Contractor's Manual-Sec. 4.1/14 & Specs.1560	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-WER-308-A	Monthly Safety Plan Update May, 2014	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-SNW-309-A	Traffic Management Plan-Samur Well Project		AD	CONS	SUB	SNW			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	B	
SUB-00018-SNW-310-A	Shop Drawing "Samur well"-Confirmed Profile	Section 01300	SD	CONS	SUB	SNW			A		From main contractor directly							Submitted on June 10, 2014 and Retracted on June 15, 2014

Submittal Category	Product Data	Submittal Classification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification
PD SD AD TR RGT RPT SMP CS MAT	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE OTHER TEST REPORT SCHEDULE REPORT SAMPLE CONSTRUCTION & FORECAST MATERIAL	PCS CONS PDS	Construction Construction Pre construction	WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-14-WER-001-A First RE-Submittal SUB-14-WER-001-B Second Re-Submittal SUB-14-WER-001-C	Preconstruction Alpha Identifier	Preconstruction Preconstruction Preconstruction	Preconstruction Preconstruction Preconstruction	Preconstruction Preconstruction Preconstruction											
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-310-A	Shop Drawing "Samur well" Confirmed Profile	Section 01300	SD	CONS	SUB	SNW			A		From main contractor directly	June 16, 2014		July 16, 2014	June 30, 2014	14	C			
SUB-00018-ARW-311-A	Formwork Design Calculation For Retaining Wall-Arraba Well Project	Section 03300-Part-3.7	AD	CONS	SUB	ARW			A		January 12, 2014	June 10, 2014		July 10, 2014	June 10, 2014	0	C			
SUB-00018-ARW-312-A	Degree of Compaction Test Report-Base Course Second Layer for RW Footing Section E	Section 02200-Part-2.2	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-ARW-313-A	Test Report on Concrete Compressive Strength 7-Days at R/W from St 90+050 to St 126+76	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-ARW-314-A	Test Report on Natural Sand for Concrete-RW footing From St 00+000 to St 31+000	Section 03300-Part-1.4-A-3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-SNW-315-A	Road Widening Shop Drawing-Samar Well Project	N/A	SD	CONS	SD	SNW			A		May 29, 2014	June 11, 2014		July 11, 2014						
SUB-00018-SNW-316-A	Completion Report for Geophysical Static Logging-Samar Well Project	Section 02623-Part 4	RPT	CONS	SUB	SNW			A		From main contractor directly	June 12, 2014		July 12, 2014						
SUB-00018-WER-317-A	Identification Tape	Section 16111-Part-2.2-E	SMP	CONS	SUB	WER	CS250		A		May 26, 2014	June 16, 2014		July 16, 2014	June 19, 2014	3	A			
SUB-00018-WER-318-A	Supercast SWX-adhesive for Bonding	Section 03200-Part-2.2-B	AD	CONS	SUB	WER			A		June 4, 2014	June 16, 2014		July 16, 2014	June 17, 2014	1	B			
SUB-00018-WER-319-A	Steel Welder-Certification & Qualification	Section 02570-Part-1.3-j	AD	CONS	SUB	WER			A		June 10, 2014	June 16, 2014		July 16, 2014	June 18, 2014	2	B			
SUB-00018-WER-320-A	Welding Procedure for Stainless Steel Pipe	Section 15030-Part-3.3-B	AD	CONS	SUB	WER			A		June 10, 2014							Submitted on June 16, 2014 and Retracted on June 18, 2014		
SUB-00018-ARW-321-A	Test Report on Reinforcement Steel Bars (O 14, O 25)-Arraba Well	Section 03200-Part-1.3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	A			
SUB-00018-ARW-322-A	29 Days-Concrete Compressive Strength Test Report (St 31+00 to St 57+00)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	C			
SUB-00018-ARW-322-B	29 Days Concrete Test Result for Retaining Wall Footing Sect. (C+D)- St. (31+00 to St. (57+00)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			B		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-323-A	7 Days Concrete Compressive Strength Test for RW Footing Section E from St (00+000) to St (31+670)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	C			
SUB-00018-SNW-324-A	Water Sample Completion Report	Section 02624-Part-1.2-F, 3.2-A,B & Section 02624-Part-3.7-D	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 19, 2014		July 19, 2014						
SUB-00018-WER-325-A	Alternative Steel Pipes and Fittings	Section 02570-Part 4.1-C,2.4-A & 2.6	PD	CONS	SUB	WER			A		May 26, 2014							Submitted on June 22, 2014 and Retracted on June 25, 2014		
SUB-00018-WER-325-A	Steel Pipe, Specials, and fittings & Steel Pipe-Alternative Steel Pipes and Fittings	Section 02570-Part 1.1-C,2.4-A & 2.6 & Section 15025-Part 2.3-4	PD	CONS	SUB	WER			A		June 25, 2014	June 26, 2014		July 26, 2014	June 29, 2014	3	B			
SUB-00018-ARW-326-A	Connection of the Retaining Wall with the Existing Fence Shop Drawing	Section 01300-Part 1.8-B	SD	CONS	SUB	ARW			A		June 18, 2014	June 22, 2014		July 22, 2014	June 23, 2014	1	B			
SUB-00018-ARW-327-A	7 Days Concrete Test Result for Retaining Wall Footing Sect. (B)- St. (00+050) to St. (126+76)	Section 03300-Part 1.4-C	TR	CONS	SUB	ARW			A		From main contractor directly	June 22, 2014		July 22, 2014	June 23, 2014	1	A			
SUB-00018-ARW-328-A	Electrical Conduits Shop Drawing for Suction Header Area	RFI-13-00018-WER-C-E-023-Sonic Level Measuring System	SD	CONS	SUB	ARW			A		June 21, 2014	June 22, 2014		July 22, 2014	June 23, 2014	1	B			
SUB-00018-ARW-329-A	Arraba Balance Tank Shop Drawing (Mechanical)	Drawing No-0M(01-07, Rev. Arraba Confirm Drawing)	SD	CONS	SUB	ARW			A		June 22, 2014	June 23, 2014		July 23, 2014						
SUB-00018-ARW-330-A	Test Report on Natural Sand for Concrete-RW Footing from St.(00+050) to St.(126+76)	Section 03300-Part 1.4-A-3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-331-A	7 Days Test Report on Concrete Compressive Strength RW-Type C, From St (36+584) to St (55+548)	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-332-A	28 Days Test Report on Concrete Compressive Strength RW Footing-Type B, From St (57+000) to St (90+090)	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-WER-333-A	PVC Conduits and Fittings Complementary	Section 16110-Part 2.2-A & Section 16111-Part 2.3-D-1	PD	CONS	SUB	WER	CS1120		A		June 10, 2014	June 24, 2014		July 24, 2014	June 29, 2014	5	A			
SUB-00018-WER-334-A	RGS and PVC Coated RGS Complementary	Section 16110-Part-2.2(B,D)	PD	CONS	SUB	WER	CS1120		A		June 14, 2014	June 24, 2014		July 24, 2014	June 29, 2014	5	A			
SUB-00018-WER-335-A	Liquid-Tight Flexible Conduit Complementary	Section 16110-Part-2.2(H)	PD	CONS	SUB	WER	-CS1120		A		June 14, 2014							Submitted on June 24, 2014 and Retracted on June 29, 2014		
SUB-00018-ARW-336-A	Operation and Maintenance Technical Manual (Table of Contents)-Arraba Well Project	Section 01300-Part-1.8-B	PD	CONS	Lab Test	ARW			A		June 14, 2014	June 24, 2014		July 24, 2014						

## ARW 22.7 Requests for Information Log

**DISCLAIMER:**

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

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

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

**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	Status
RFI-18-WER-C-E-035-A	Subject of Information Requested: 1. Furnish Vertical Turbine Lame Shaft Pumps (VTLSP) as per the EMS&MEKOROT (Israel's national water supply company) specifications and standards instead of the Contract technical specification section 11101 rev 2. Furnish Vertical Turbine Pumps (VTP) as per the EMS&MEKOROT (Israel's national water supply company) specifications and standards instead of the Contract technical specification section 11103 rev 3.		Section 11101rev2, 11103rev3		June 1, 2014	June 19, 2014	June 19, 2014	18	Response	Response to Requested Information 1- CMC has no objection for the proposed substitution. 2- Final review and acceptance will be through submittals and drop drawing process. 3- Contractor to submit VOR accordingly.		
RFI-18-WER-C-E-037-A	Araba well pump station-Air vacuum air release unit (AVAR), Flow metering unit (M-804)/As per design drawing for Araba area system (EWH), DWG No. 4C-18, Air vacuum air release unit (AVAR), Flow metering unit (M-804), the (25 mm) diameter AVAR is undersized.			DWG No. 4C-18, Araba well pump station	June 17, 2014	June 29, 2014	June 29, 2014	12	Response	Contractor to adhere to the design drawings. This is for the well head flow meter "L" section of the pipe by the RFI. The well head has a 2" AVAR which will do 99% of the air release in the site. The question will release the air between the "L" section and the well head. The rest of the pipe is open ended in two locations (BT utility).		
RFI-18-WER-C-E-038-A	Araba Area System Mechanical Pump Station-150 mm washout pipe location of the balance tank in the suction header area.			DWG No. 4M-2, 4M-3 Araba Area System-Mechanical Pump Station Overall Plan	June 19, 2014				Pending			

## ARW 22.8 Variation Order Request and Variation Order Log

**DISCLAIMER:**

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Task Order:  
Projects:

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

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

VO	Date	Status	Subject	USAID Approval Date	Original Task Order Amount			Previous Task Order Amount			Revised Task Order Amount			Variation Order Change to Day Work	Project Name	Project ID	Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total								
There were no Variation Orders received during the current reporting period																					

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

**VOR Log**

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
VOR-00018-WER-004-A	June 2, 2014		36 Days	\$122,915.16			SM.#002	1. Providing temporary steel balancing tank and necessary mechanical and electrical preparations and material at Sanur well, to maintain pumping water to communities during well development, as per SM#2. 2. Providing stand-by power generator at Arraba well as per St.I#2 for emergency. 3. Additional cleaning and brushing of the well due to intensive mud and sediments in the well (well was blocked from 385m bpi to the bottom of the well at 466 m bpi), and intensive calcification on well casing.	Response	
VOR-00018-WER-005-A	June 17, 2014		36 Days	\$171,110.88			SM.#002	1. Fishing and extraction of fallen Vertical Line Shaft Pump Strainer from Sanur Well. 2. Providing temporary steel balancing tank and necessary mechanical and electrical preparations and material at Sanur well, to maintain pumping water to communities during well development as per SM1#2. 3. Providing stand-by power generator at Arraba well as per SM#2 for emergency. 4. Additional cleaning and brushing of the well due to intensive mud and sediments in the well, and intensive calcification on well casing.	Pending	

## ARW 22.9 Employment Generated Data

**DISCLAIMER:**

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

Task Order Name: Wells Rehabilitation Project-WER PERIOD FROM: Oct-23-2013 (NTP)  
 Sub-project or Activity Name: Project 1-ARW Arraba 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	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	278	165	225	823	35	771	52	
July	2014						0	0			
August	2014						0	0			
September	2014						0	0			
Total of FY 2014							3664	153.9285714	3373	290	
October	2014						0	0			
November	2014						0	0			
December	2014						0	0			
January	2015						0	0			
February	2015						0	0			
March	2015						0	0			
April	2015						0	0			
May	2015						0	0			
June	2015						0	0			
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							0	0			

**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: IRD  
SUBCONTRACTOR: Al-Abbasi

DATE	Site Staff Job Days **																				Man-days*						
	Worker/Classification (Hours)																			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other			
	Management				Engineers				Skilled labor				Unskilled labor		Other												
Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc. . .	Document Control Engineer(F)	Civil Engineer (F)	Office Engineer	Site Engineer	Supintendent	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard/ Security	Janitor (F)	Janitor	Surveyor	Surveyor Assistant	Welder	Geological	Supervisor						
June 1, 2013	4	4	4	12	8	4	4	8	8	48	16		48	36	4	8	8	8				3	3	9	6	8	
June 2, 2013	4	4	6	12	8	4	4	8	8		16		24	36	4	8	8	8				3.25	3	3	3	8	
June 3, 2013	4	4	6	12	8	4	4	8	8		16		24	36	4	8	8	8				3.25	3	3	3	8	
June 4, 2013	4	4	4	12	8	4	4	8	8	40	16		64	36	4	8	8	8				3	3	8	8	8	
June 5, 2013	4	4	4	12	8	4	4	8	8	64	16		96	36	4	8	8	8				3	3	11	12	8	
June 6, 2013														36								0	0	0	0	4.5	
June 7, 2013	4	4	4	12	8	4	4	8	8	32	16		16	36	4	8	8	8				3	3	7	2	8	
June 8, 2013	4	4	4	12	8	4	4	8	8	56	16		72	36	4	8	8	8				3	3	10	9	8	
June 9, 2013	4	4	4	12	8	4	4	8	8	56	16		40	36	4	8	8	8				3	3	10	5	8	
June 10, 2013	4	4	4	12	8	4	4	8	8	48	16		72	36	4	8	8	8				3	3	9	9	8	
June 11, 2013	4	4	4	12	8	4	4	8	8	80	16		56	36	4	8	8	8				3	3	13	7	8	
June 12, 2013	4	4	4	12	8	4	4	8	8	64	16		56	36	4	8	8	8				3	3	11	7	8	
June 13, 2013														36								0	0	0	0	4.5	
June 14, 2013	4	4	4	12	8	4	4	8	8	64	16		56	36	4	8	8	8				3	3	11	7	8	
June 15, 2013	4	4	4	12	8	4	4	8	8	72	16		48	36	4	8	8	8				3	3	12	6	8	
June 16, 2013	4	4	4	12	8	4	4	8	8	80	16		48	36	4	8	8	8				3	3	13	6	8	
June 17, 2013	4	4	4	12	8	4	4	8	8	104	16		56	36	4	8	8	8				3	3	16	7	8	
June 18, 2013	4	4	4	12	8	4	4	8	8	96	16		48	36	4	8	8	8				3	3	15	6	8	
June 19, 2013	4	4	4	12	8	4	4	8	8	56	16		80	36	4	8	8	8				3	3	10	10	8	
June 20, 2013														36								0	0	0	0	4.5	
June 21, 2013	4	4	4	12	8	4	4	8	8	80	16		48	36	4	8	8	8				3	3	13	6	8	
June 22, 2013	4	4	4	12	8	4	4	8	8	96	16		56	36	4	8	8	8				3	3	15	7	8	
June 23, 2013	4	4	4	8	8	4	4	8	8	80	16	4	40	36	4	8	8	8				2.5	3	13.5	5	8	
June 24, 2013	4	4	4	12	8	4	4	8	8	88	16		40	36	4	8	8	8				3	3	14	5	8	
June 25, 2013	4	4	4	12	8	4	4	8	8	88	16		56	36	4	8	8	8				3	3	14	7	8	
June 26, 2013	4	4	4	12	8	4	4	8	8	72	16		56	36	4	8	8	8				3	3	12	7	8	
June 27, 2013														36								0	0	0	0	4.5	
June 28, 2013	4	4	4	12	8	4	4	8	8	56	16		48	36	4	8	4	8				3	3	10	6	7.5	
June 29, 2013	4	4	4	12	8	4	4	8	8	72	16		40	36	4	8	4	8				3	3	12	5	7.5	
June 30, 2013	4	4	4	12	8	4	4	8	8		16		32	36	4	8	4	8				3	3	3	4	7.5	
<b>Total of Month</b>	<b>104</b>	<b>104</b>	<b>108</b>	<b>308</b>	<b>208</b>	<b>104</b>	<b>104</b>	<b>208</b>	<b>208</b>	<b>1592</b>	<b>416</b>	<b>4</b>	<b>0</b>	<b>1320</b>	<b>1080</b>	<b>104</b>	<b>208</b>	<b>196</b>	<b>208</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>78</b>	<b>278</b>	<b>165</b>	<b>224.5</b>

## 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 lies during excavation work and demobilization in hitting or damaging the underground utilities such as 10" pipe and/or the buried electric cables	Delay in work, water shortage , electric shortage, injuries	Contractor	19th of March,2014	2	2	4	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	Might Occur	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	Construction	Fall of personnel during construction of retaining wall.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars	Might Occur	Contractor	May, 2014	2	1	2	No	No	Mitigate	Holding TB meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings.	IRD	Existing	

# CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period: June 01-  
June 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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## **Attachments**

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

### **DISCLAIMER:**

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

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

## Roll Up Schedule

29-Jun-14

Activity ID	Activity Name	Original Duration	Actual Total Cost	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q
									D	J	F	A	J	J	A	S	N
<b>Total</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	23-Oct-13		0									
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	23-Oct-13		0									
<b>Milestones</b>		503	\$0.00	30-Jun-14	29-Jul-15	23-Oct-13		-94									
General Milestones		503	\$0.00	22-Jun-15	29-Jul-15	23-Oct-13		-94									
Intermediate Milestones		474	\$0.00	30-Jun-14	23-Jul-15	01-Dec-13		-95									
<b>Mobilization</b>		24	\$0.00			24-Oct-13	08-Jan-14										
<b>Submittals</b>		418	\$0.00	29-Jun-14	29-Jul-15	31-Oct-13		0									
Pre Construction Submittals		45	\$0.00			31-Oct-13	31-Mar-14										
Construction Submittals		364	\$0.00	29-Jun-14	27-May-15	14-Nov-13		-43									
Material Submittals		309	\$0.00	29-Jun-14	24-Mar-15	06-Jan-14		12									
Civil		309	\$0.00	29-Jun-14	24-Mar-15	06-Jan-14		12									
Earth Works		49	\$0.00	29-Jun-14	29-Jun-14	12-Apr-14		122									
Concrete Works		106	\$0.00	29-Jun-14	05-Jul-14	07-Jan-14		214									
Roads Works		78	\$0.00	29-Jun-14	14-Oct-14	13-May-14		142									
Miscellaneous		81	\$0.00	29-Jun-14	14-Oct-14	06-Jan-14		129									
Building Works		210	\$0.00	29-Jun-14	24-Mar-15	16-May-14		-1									
Mechanical		184	\$0.00	29-Jun-14	03-Dec-14	06-Jan-14		88									
Local Manufacturer		104	\$0.00	29-Jun-14	26-Aug-14	10-Feb-14		168									
Abroad Manufacturer ( Long Lead Items)		168	\$0.00	29-Jun-14	03-Dec-14	06-Jan-14		-24									
Electrical		160	\$0.00	29-Jun-14	21-Sep-14	06-Feb-14		135									
Abroad Manufacturer ( Long Lead Items)		134	\$0.00	29-Jun-14	21-Sep-14	10-Mar-14		53									
Local Manufacturer		129	\$0.00	29-Jun-14	16-Aug-14	06-Feb-14		166									
Shop Drawings		364	\$0.00	29-Jun-14	27-May-15	17-Dec-13		-49									
Civil		206	\$0.00	29-Jun-14	13-Nov-14	17-Dec-13		109									
Mechanical		150	\$0.00	29-Jun-14	10-Jan-15			64									
Electrical		344	\$0.00	29-Jun-14	27-May-15	20-Feb-14		-55									
Methods Statement & Work Plans		363	\$0.00	29-Jun-14	26-May-15	14-Nov-13		-43									
Civil		363	\$0.00	29-Jun-14	26-May-15	14-Nov-13		-43									
Mechanical		63	\$0.00	16-Aug-14	02-Nov-14			109									
Electrical		77	\$0.00	16-Aug-14	19-Nov-14			107									
Post Construction Submittals		0	\$0.00	29-Jul-15	29-Jul-15			0									
<b>Procurement</b>		206	\$0.00	29-Jun-14	14-Apr-15			-14									
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		204	\$0.00	29-Jun-14	28-Jan-15			52									
Material Order & Manufacture		204	\$0.00	29-Jun-14	28-Jan-15			52									
Mechanical Equipment		187	\$0.00	29-Jun-14	07-Jan-15			64									
Electrical Equipment		204	\$0.00	29-Jun-14	28-Jan-15			52									
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Material Order & Manufacture		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Mechanical Equipment		277	\$0.00	29-Jun-14	14-Apr-15			-20									
Electrical Equipment		204	\$0.00	29-Jun-14	28-Jan-15			52									
Steel Pipes,Fittings&Valves		93	\$0.00	10-Nov-14	19-Mar-15			-18									
Material Order & Manufacture		83	\$0.00	10-Nov-14	05-Mar-15			-19									
All Needed Pipes,Steel Pipes & Fittings		60	\$0.00	16-Dec-14	05-Mar-15			-32									
Valves		81	\$0.00	10-Nov-14	18-Feb-15			-9									
Material Delivery		21	\$0.00	18-Feb-15	19-Mar-15			-18									
All Needed Pipes,Steel Pipes & Fittings		12	\$0.00	05-Mar-15	19-Mar-15			-22									
Valves		12	\$0.00	18-Feb-15	05-Mar-15			-9									
<b>Execution Phase</b>		367	\$1,899,620.65	29-Jun-14	29-Jul-15	24-Oct-13		0									
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		340	\$854,759.23	29-Jun-14	22-Jun-15	24-Oct-13		27									
Mobilization for P1		24	\$248,265.55			24-Oct-13	08-Jan-14										
P1 - Arraba Well Pump Station Rehabilitation		63	\$196,503.49			25-Dec-13	28-Mar-14										
Design Review After Well Development Results		151	\$0.00			14-Mar-14	19-Jun-14										
Geophysical Logging Final Acceptance		1	\$0.00			14-Mar-14	27-May-14										

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



Date	Revision	Checked	Approved
30-Jun-14	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

29-Jun-14

Activity ID	Activity Name	Original Duration	Actual Total Cost	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q
									D	J	J	A	J	J	A	S	N
<b>RFTOP WATER-294-13-00018 WELL REHABILITATION &amp; IMPROVEMENTS</b>																	
<b>Milestones</b>																	
<b>Intermediate Milestones</b>																	
MS00068	Completion of Rehabilitation for Sanour Well Pump Station	0	\$0.00		30-Jun-14			-91									
<b>Submittals</b>																	
<b>Construction Submittals</b>																	
<b>Material Submittals</b>																	
<b>Civil</b>																	
<b>Earth Works</b>																	
CS265	Approval of Bedding Material - Test Report/Soil Classification	0	\$0.00		29-Jun-14			122									
<b>Concrete Works</b>																	
CS945	Approval of Grout - Sample & Product Data	0	\$0.00		29-Jun-14			218									
CS999	Approval of Concrete Repair&Rehabilitation	0	\$0.00		05-Jul-14			34									
<b>Roads Works</b>																	
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	\$0.00	29-Jun-14	09-Jul-14			174									
<b>Miscellaneous</b>																	
CS250	Prep&Submit Identification Tape - Sample	7	\$0.00	29-Jun-14	09-Jul-14			89									
CS480	Prep.&Submit Manhole Cover, Frame and Steps - Product Data	7	\$0.00	13-Jul-14	23-Jul-14			139									
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	\$0.00	23-Jul-14	05-Aug-14			103									
CS900	Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			108									
CS970	Prep.&Submit Lockers - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS975	Prep.&Submit Storage Shelving - Sample	7	\$0.00	29-Jun-14	09-Jul-14			108									
<b>Building Works</b>																	
CS530	Prep.&Submit Concrete Block Masonary - Physical Samples & Test Report	7	\$0.00	29-Jun-14	09-Jul-14			140									
CS690	Prep.&Submit Rough&Finish Carpentry - Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS780	Prep.&Submit Flush Wood Doors - Sample	7	\$0.00	13-Jul-14	23-Jul-14			164									
CS890	Prep.&Submit Plastering Accessories - Sample	7	\$0.00	29-Jun-14	09-Jul-14			134									
CS910	Prep.&Submit Terrazzo Tiles - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			173									
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	\$0.00	29-Jun-14	09-Jul-14			-1									
CS982	Prep.&Submit Toilet Accessories - Sample & Product Data	7	\$0.00	23-Jul-14	05-Aug-14			158									
<b>Mechanical</b>																	
<b>Local Manufacturer</b>																	
CS321	Prep&Submit Steel Pipes,Specials,Fittings&Pipes Supports - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			-32									
CS341	Prep&Submit Copper Pipes - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS367	Approval of CPVC Pipes - Product Data	0	\$0.00		29-Jun-14			99									
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			68									
CS577	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Product Data/Test Reports	0	\$0.00		29-Jun-14			-10									
CS581	Prep.&Submit Plumping (Piping,Fixtures&Equipment) - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			98									
CS661	Prep&Submit Heat,Ventilation&Air Conditioning Equipment - Product Data	5	\$0.00	29-Jun-14	06-Jul-14			46									
CS677	Prep&Submit Chlorination System Pumps,Tanks,Drums,Injectors,Hose Pips.	5	\$0.00	13-Jul-14	20-Jul-14			168									
CS688	Prep&Submit Kltchen Equipment - Product Data	5	\$0.00	13-Jul-14	20-Jul-14			166									
<b>Abroad Manufacturer ( Long Lead Items)</b>																	
CS225	Prep&submit Vertical Turbine Deep Well Pump - Arrabeh Well	21	\$0.00	29-Jun-14	04-Aug-14			10									
CS231	Prep&submit Canned Vertical Multistage Turbine Booster Pump	5	\$0.00	29-Jun-14	06-Jul-14			65									
CS251	Prep&Submit Submersible Sump Pump	5	\$0.00	29-Jun-14	06-Jul-14			29									
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	\$0.00	29-Jun-14	06-Jul-14			65									
CS291	Prep&Submit Horizontal Louver Blinds - Sample	5	\$0.00	29-Jun-14	06-Jul-14			65									

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



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









## SNW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

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

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

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

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

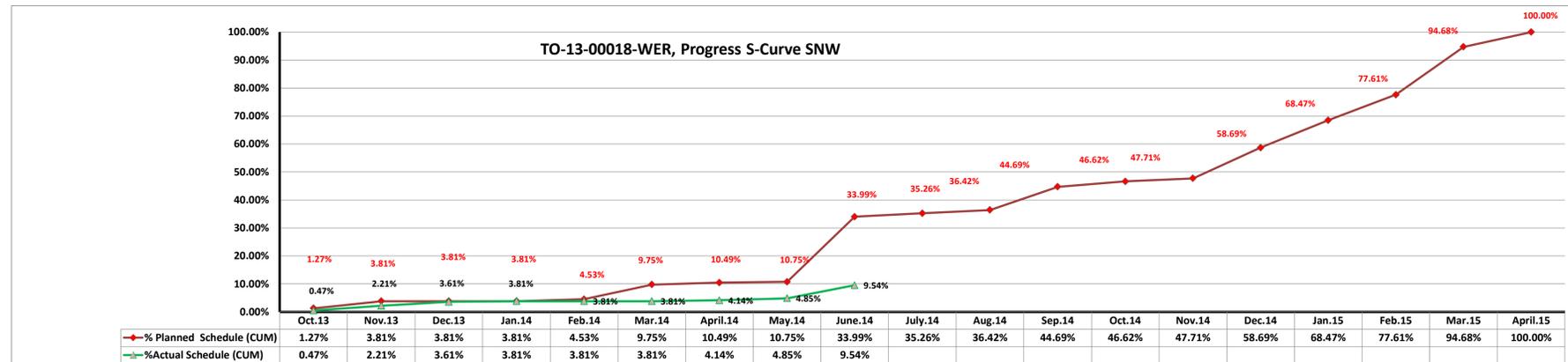
USD	
Total Contract Value Less Day Work:	\$7,011,251.36
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	

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

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

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

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	TOTAL
Planned Schedule Value	\$89,031.76	\$178,063.52	\$0.00	\$0.00	\$50,174.31	\$366,069.78	\$52,054.25	\$18,529.80	\$1,629,422.14	\$88,484.74	\$81,638.67	\$580,138.98	\$134,972.72	\$76,571.56	\$769,741.05	\$685,807.25	\$641,052.45	\$1,196,820.69	\$372,677.69	\$7,011,251.36
Planned Schedule Value (CUM)	\$77,902.79	\$267,095.28	\$281,908.05	\$315,880.76	\$375,724.65	\$725,517.34	\$898,695.58	\$934,835.75	\$997,990.64	\$1,243,541.31	\$1,761,611.80	\$2,601,559.21	\$3,021,324.71	\$3,702,761.95	\$6,261,674.86	\$6,527,630.28	\$6,639,899.51	\$6,908,943.42	\$7,011,251.35	\$7,011,251.35
Actual Schedule Value	\$32,801.17	\$121,832.94	\$98,403.52	\$14,057.65	\$0.00	\$0.00	\$22,917.57	\$49,725.13	\$328,788.62											
Actual Schedule Value (CUM)	\$32,801.17	\$154,634.11	\$253,037.63	\$267,095.28	\$267,095.28	\$267,095.28	\$290,012.85	\$339,737.98	\$668,526.60											
% Planned Schedule	1.27%	2.54%	0.00%	0.00%	0.72%	5.22%	0.74%	0.26%	23.24%	1.26%	1.16%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%	100%
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	9.75%	10.49%	10.75%	33.99%	35.26%	36.42%	44.69%	46.62%	47.71%	58.69%	68.47%	77.61%	94.68%	100.00%	100%
% Actual Schedule	0.47%	1.74%	1.40%	0.20%	0.00%	0.00%	0.33%	0.71%	4.69%											
% Actual Schedule (CUM)	0.47%	2.21%	3.61%	3.81%	3.81%	3.81%	4.14%	4.85%	9.54%											



## SNW 22.3 Site Memos Log

**DISCLAIMER:**

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

Number	Description/Subject	Date Received	Response Date	Comments
H\Yk\Ybo SM's received for the project during the current reporting period				

## SNW 22.4 Material or Equipment Delivered to Site Log

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## Material Log

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

There were no materials delivered to the site during the current reporting period.

## 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	June 1, 2014	Rig			1
2		JCB Back Hole-1993			1
3		Mitsubishi L200 -2007	1	12	
4		Generator Set	1	24	
5	June 2, 2014	Rig			1
6		JCB Back Hole-1993			1
7		Generator Set	1	24	
8		Mitsubishi L200 -2007	1	12	
9	June 3, 2014	Rig			1
10		JCB Back Hole-1993			1
11		Generator Set	1	24	
12		Mitsubishi L200 -2007	1	12	
13	June 4, 2014	Rig			1
14		JCB Back Hole-1993			1
15		Generator Set	1	24	
16		Mitsubishi L200 -2007	1	12	
17	June 5, 2014	Rig			1
18		JCB Back Hole-1993			1
19		Generator Set	1	8	
20		Mitsubishi L200 -2007	1	8	
21	June 6, 2014	Rig			1
22		JCB Back Hole-1993			1
23		Generator Set			1
24		Mitsubishi L200 -2007	1	12	
25	June 7, 2014	Rig			1
26		JCB Back Hole-1993			1
27		Generator Set			1
28		Mitsubishi L200 -2007	1	8	
29	June 8, 2014	Rig			1
30		JCB Back Hole-1993			1
31		Generator Set	1	9	
32		Mitsubishi L200 -2007	1	8	
33	June 9, 2014	Rig			1
34		JCB Back Hole-1993			1
35		Generator Set	1	22	
36		Mitsubishi L200 -2007	1	12	
37		Mitsubishi L200 -2007	1	12	

## Equipment Log

Task Order:		AID-294-TO-13-00018			
Project:		Wells Rehabilitation Project			
Sub-project		Sanur Well Pump Station Rehabilitation & Infrastructure Improvements			
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
38	June 10, 2014	Rig			1
39		JCB Back Hole-1993			1
40		Generator Set	1	18	
41		Mitsubishi L200 -2007	1	12	
42	June 11, 2014	Rig			1
43		JCB Back Hole-1993			1
44		Mitsubishi L200 -2007	1	12	
45		Generator Set	1	20	
46	June 12, 2014	Rig			1
47		JCB Back Hole-1993			1
48		Mitsubishi L200 -2007	1	12	
49		Generator Set	1	19.5	
50	June 13, 2014	Rig			1
51		JCB Back Hole-1993			1
52		Mitsubishi L200 -2007	1	12	
53		Generator Set	1	19.5	
54	June 14, 2014	Rig			1
55		JCB Back Hole-1993			1
56		Mitsubishi L200 -2007	1	12	
57		Generator Set	1	19.5	
58	June 15, 2014	Rig			1
59		JCB Back Hole-1993			1
60		Mitsubishi L200 -2007	1	12	
61		Generator Set	1	19.5	
62	June 16, 2014	Rig			1
63		JCB Back Hole-1993			1
64		Mitsubishi L200 -2007	1	12	
65		Generator Set	1	19.5	
66	June 17, 2014	Rig			1
67		JCB Back Hole-1993			1
68		Mitsubishi L200 -2007	1	12	
69		Generator Set	1	19.5	
70	June 18, 2014	Rig			1
71		JCB Back Hole-1993			1
72		Mitsubishi L200 -2007	1	12	
73		Generator Set	1	19.5	
74	June 19, 2014	Rig			1
75		JCB Back Hole-1993			1
76		Mitsubishi L200 -2007	1	12	
77		Generator Set	1	19.5	

## Equipment Log

Task Order:		AID-294-TO-13-00018			
Project:		Wells Rehabilitation Project			
Sub-project		Sanur Well Pump Station Rehabilitation & Infrastructure Improvements			
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
78	June 20, 2014	Rig			1
79		JCB Back Hole-1993			1
80		Mitsubishi L200 -2007	1	12	
81		Generator Set	1	19.5	
82	June 21, 2014	Rig			1
83		JCB Back Hole-1993			1
84		Mitsubishi L200 -2007	1	12	
85		Generator Set	1	19.5	
86	June 22, 2014	Rig	1	12	
87		JCB Back Hole-1993			1
88		Mitsubishi L200 -2007	1	12	
89		Generator Set			1
90	June 23, 2014	Rig	1	12	
91		JCB Back Hole-1993			1
92		Crane	1	12	
93		Mitsubishi L200 -2007	1	12	
94		Generator Set			1
95	June 24, 2014	Rig	1	8	
96		JCB Back Hole-1993			1
97		Crane	1	8	
98		Mitsubishi L200 -2007	1	8	
99		Generator Set			1
100	June 25, 2014	Rig	1	12	
101		JCB Back Hole-1993	1	8	
102		Crane	1	12	
103		Mitsubishi L200 -2007	1	12	
104		Generator Set			1
105	June 26, 2014	Rig	1	12	
106		JCB Back Hole-1993			1
107		Crane	1	12	
108		Mitsubishi L200 -2007	1	12	
109		Generator Set			1
110	June 27, 2014	Rig	1	12	
111		JCB Back Hole-1993			1
112		Generator Set			1
113		Mitsubishi L200 -2007	1	12	
114		Crane	1	12	

## 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
115	June 28, 2014	Rig	1	12	
116		JCB Back Hole-1993			1
117		Crane	1	12	
118		Mitsubishi L200 -2007	1	12	
119		Generator Set			1
120	June 29, 2014	Rig	1	12	
121		JCB Back Hole-1993			1
122		Crane	1	12	
123		Mitsubishi L200 -2007	1	12	
124		Generator Set			1
125	June 30, 2014	Rig	1	12	
126		JCB Back Hole-1993			1
127		Crane	1	12	
128		Mitsubishi L200 -2007	1	12	
129		Generator Set			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

Sender/ Recipient: IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-SNW-010-A	June 24, 2014	June 24, 2014	Inspection for marking the trees to starting removal work for trees as per the attached drawing.	June 24, 2014	Amend - Resubmit	June 25, 2014	No Exceptions Noted

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

### Inspection Requests Log

<b>IRD/BV</b>							
<b>Task Order:</b>		AID-294-TO-13-00018					
<b>Project:</b>		Wells Rehabilitation Project (WER)					
<b>Sender/ Recipient</b>		IRD/BV				2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-WER-002-B	June 23, 2014	June 24, 2014	Inspection of alternative storage yard located in Anza village	June 24, 2014	Amend - Resubmit		
IR-13-00018-WER-003-A	June 12, 2014	June 12, 2014	Inspection the Steel Mesh Fence (Material) at Sanur Storage Yard	June 12, 2014	No Exceptions Noted		

## SNW 22.6 Submittals Log

**DISCLAIMER:**

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Submittal Categories	PD SD AD TR SMP RPT SOP SOS MAT	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE OTHER TEST REPORT SCHEDULE REPORT SAMPLE CONSTRUCTION & FORECAST MATERIAL	PCS CONS PDS	Construction Construction Post construction	WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-14-WER-001-A First RE-Submittal SUB-14-WER-001-B Second Re-Submittal SUB-14-WER-001-C	Submittal Disposition / Color Coding A - No Disposition Needed B - Make Construction Stage C - Approval and Revision D - Beyond Resolution E - Review Not Required F - Submitted Pending Response
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Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-066-B	Alternative Testing Lab CV-Tubs Engineering Testing CO.	Contractor's Manual-Sec. 4.4.1/11, Specs. Sec. 01400	AD	CONS	SUB	WER			B		From main contractor directly	June 24, 2014		July 24, 2014	June 25, 2014	1	E	
SUB-00018-ARW-089-C	Living Quarters Building Shop Drawing (Structural & Architectural)-Arraba Well Project.	Section 0700-Part 1 (1.3.B)-Drawing No: CSA(1-5), CSS(1,2) Rev. Confirmed General Design	SD	CONS	SUB	ARW	CS400		C		June 12, 2014	June 16, 2014		July 16, 2014	June 18, 2014	2	B	
SUB-00018-SNW-092-B	Septic Tank and Sewage Pit Shop Drawing (Structural & Architectural)-Samur Well Project	Section 03700-Part-1.3-B	SD	CONS	SUB	SNW			B		May 24, 2014	June 3, 2014		July 3, 2014	June 15, 2014	12	C	
SUB-00018-WER-215-G	Domed Centrifugal FRP Fans-Chlorination Room Fans	Section-15830-Part-2.2	PD	CONS	SUB	WER			G		June-16, 2014							Submitted on June 24, 2014 and Retracted on June 29, 2014.
SUB-00018-WER-218-C	Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section 17100-Part. 1.1-E-3(a-c)	PD	CONS	SUB	WER	CS1270		C		June 15, 2014	June 15, 2014		July 15, 2014	June 22, 2014	7	B	
SUB-00018-WER-231-A	Earthwork-Fill and Backfill Material Requirement	Section 02200-Part 2-(2.1-C)	SMP	CONS	Lab Test	WER	CS240		A		From main contractor directly	June 25, 2014		July 25, 2014	June 30, 2014	5	A	
SUB-00018-SNW-260-B	Construction Sequence for Samur Well Project	Section 01313-Part 1.1(A) and 1.6(A)	AD	CONS	SUB	SNW			A		From main contractor directly	June 22, 2014		July 22, 2014	June 26, 2014	4	A	
SUB-00018-ARW-265-B	Method Statement for Balance Tank Construction-Arraba Well Project	Section 01300-Part 1.8-B	AD	CONS	SUB	ARW			A		June 1, 2014	June 17, 2014		July 17, 2014	June 25, 2014	8	B	
SUB-00018-SNW-277-B	Completion Report For Samur Well Existing VIST Pump Removal	Section 01010 A-Part -3.3.1	AD	CONS	SUB	SNW			B		From main contractor directly	June 3, 2014		July 3, 2014	June 3, 2014	0	E	
SUB-00018-SNW-278-B	Final Video Logging-Samur Well	Section 02623-Part 4.2.4.E	AD	CONS	SUB	SNW			B		From main contractor directly	June 29, 2014		July 29, 2014				
SUB-00018-SNW-282-B	Samur Excavation and Backfill Shop Drawing	Section 01300-1.8-B	SD	CONS	SUB	SNW			B		June 7, 2014	June 8, 2014		July 8, 2014	June 16, 2014	8	C	
SUB-00018-SNW-282-C	Samur Excavation and Backfill Shop Drawing	Section 01300-1.8-B	SD	CONS	SUB	SNW			C		June 25, 2014	June 29, 2014		July 29, 2014				
SUB-00018-ARW-291-A	Balance Tank Underdrain System -Arraba Well Project	Section 01300-Part -1.8-B	SD	CONS	SUB	ARW			A		May 27, 2014	June 1, 2014		July 1, 2014	June 11, 2014	10	C	
SUB-00018-ARW-291-B	Balance Tank Underdrain System -Arraba Well Project	Section 01300-Part -1.8-B	SD	CONS	SUB	ARW			A		June 14, 2014	June 17, 2014		July 17, 2014	June 18, 2014	1	B	
SUB-00018-WER-292-A	Water Stop Sample - Supercast SW10-Sample	Section 03290-Part-2.2-B	SMP	CONS	SUB	WER			A		June 1, 2014	June 1, 2014		July 1, 2014	June 15, 2014	14	B	
SUB-00018-ARW-293-A	Degree of Compaction Test Report -Well Balancing Tank Pits Arraba Well Project	Section 02200-Part -2.2	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 1, 2014		July 1, 2014	June 2, 2014	1	A	
SUB-00018-SNW-294-A	Method Statement for Removal the Existing Fence -Samur Well Project	Section 01300-Part-1.8-B	AD	CONS	SUB	SNW			A		From main contractor directly	June 1, 2014		July 1, 2014	June 12, 2014	11	A	
SUB-00018-ARW-295-A	Living Quarters Building Shop Drawing (Electrical)-Arraba Well Project	Drawing No:EQE-1-JQE-2-Rev. Confirm D	SD	CONS	SUB	ARW			A		May 18, 2014	June 3, 2014		July 3, 2014	June 10, 2014	7	C	
SUB-00018-ARW-296-A	Electrical Metering Building Shop Drawing (Electrical)-Arraba Well Project	Drawing No:EMZB-1-Rev. Confirm Document	SD	CONS	SUB	ARW	CS390		A		May 15, 2014	June 3, 2014		July 3, 2014	June 11, 2014	8	C	
SUB-00018-SNW-297-A	Retaining Wall Shop Drawing -Samur Well Project	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			A		May 28, 2014	June 3, 2014		July 3, 2014	June 16, 2014	13	C	
SUB-00018-SNW-297-B	Retaining Wall Shop Drawing -Samur Well Project	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			B		June 25, 2014	June 30, 2014		July 30, 2014				
SUB-00018-WER-298-A	QC Monthly Report-May, 2014	Contractor's Manual, Paragraph 4.1-Construction	AD	CONS	SUB	WER			A		From main contractor directly	June 3, 2014		July 3, 2014	June 4, 2014	1	C	
SUB-00018-WER-298-B	QC Monthly Report-May, 2014	Contractor's Manual, Paragraph 4.1-Construction	AD	CONS	SUB	WER			A		From main contractor directly	June 26, 2014		July 26, 2014				
SUB-00018-WER-299-A	Protective Coating for Concrete Surfaces-Balance Tank-Nitocote EPU	Section 09800-Part-2.2-P.1	PD	CONS	SUB	WER	CS998		A		May 29, 2014	June 3, 2014		July 3, 2014	June 15, 2014	12	B	
SUB-00018-WER-300-A	Drilled anchors and Reinforcing Bars-Lokfix	Section 03315-Part-3.3-C-(1,2)	PD	CONS	SUB	WER			A		June 3, 2014	June 4, 2014		July 4, 2014	June 10, 2014	6	B	
SUB-00018-SNW-301-A	Activity Report-Well Development by Jetting & Airlifting for Samur Well (SNW)	Section 02624-Part-3.1-A	AD	CONS	SUB	SNW			A		From main contractor directly	June 4, 2014		July 4, 2014	June 16, 2014	12	C	
SUB-00018-WER-302-A	Steel Structure Fabricator & Designer CV (Superior Detailing & Design)	Section 01300-Part-1.8-B	AD	CONS	SUB	WER			A		May 18, 2014	June 5, 2014		July 5, 2014	June 15, 2014	10	C	
SUB-00018-WER-302-B	Steel Structure Fabricator & Designer CV (Superior Detailing & Design)	Section 01300-Part-1.8-B	AD	CONS	SUB	WER			B		June 25, 2014	June 29, 2014		July 29, 2014				
SUB-00018-SNW-303-A	Activity Report for Samur Well Development By Pumping	Section 02624-Part-3.1-B	AD	CONS	SUB	SNW			A		From main contractor directly	June 8, 2014		July 8, 2014	June 30, 2014	22	C	
SUB-00018-WER-304-A	QA/QC Submittal Register Monthly Update May, 2014	Section 01300-Part 1.8 B Contractor's manual, 4.1-construction submittals (3)	AD	CONS	SUB	WER			A		From main contractor directly	June 8, 2014		July 8, 2014	June 19, 2014	11	C	
SUB-00018-WER-305-A	Updated CPM Construction Schedule-May 2014	Section 01311	TR	CONS	SUB	WER			A		From main contractor directly	June 9, 2014		July 9, 2014	June 24, 2014	15	B	
SUB-00018-WER-306-A	Monthly Risk Management Plan Update May, 2014	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-WER-307-A	Monthly Environmental Plan Update and Mitigation Plan Update May, 2014	Contractor's Manual-Sec. 4.1/14 & Specs.1560	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-WER-308-A	Monthly Safety Plan Update May, 2014	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	C	
SUB-00018-SNW-309-A	Traffic Management Plan-Samur Well Project		AD	CONS	SUB	SNW			A		From main contractor directly	June 10, 2014		July 10, 2014	June 12, 2014	2	B	
SUB-00018-SNW-310-A	Shop Drawing "Samur well" Confirmed Profile	Section 01300	SD	CONS	SUB	SNW			A		From main contractor directly							Submitted on June 10, 2014 and Retracted on June 15, 2014

Submittal Category	Product Data	Submittal Classification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification	Preconstruction	Identification
PD SD AD TR RGT RPT SMP CS MAT	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE OTHER TEST REPORT SCHEDULE REPORT SAMPLE CONSTRUCTION & FORECAST MATERIAL	PCS CONS PDS	Construction Construction Pre-construction	WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-14-WER-001-A First RE-Submittal SUB-14-WER-001-B Second Re-Submittal SUB-14-WER-001-C	Preconstruction Alpha Identifier	Preconstruction Preconstruction Preconstruction	Preconstruction Preconstruction Preconstruction	Preconstruction Preconstruction Preconstruction											
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-310-A	Shop Drawing "Samur well" Confirmed Profile	Section 01300	SD	CONS	SUB	SNW			A		From main contractor directly	June 16, 2014		July 16, 2014	June 30, 2014	14	C			
SUB-00018-ARW-311-A	Formwork Design Calculation For Retaining Wall-Arraba Well Project	Section 03300-Part-3.7	AD	CONS	SUB	ARW			A		January 12, 2014	June 10, 2014		July 10, 2014	June 10, 2014	0	C			
SUB-00018-ARW-312-A	Degree of Compaction Test Report-Base Course Second Layer for RW Footing Section E	Section 02200-Part-2.2	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-ARW-313-A	Test Report on Concrete Compressive Strength 7-Days at R/W from St 90+050 to St 126+76	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-ARW-314-A	Test Report on Natural Sand for Concrete-RW footing From St 00+000 to St 31+000	Section 03300-Part-1.4-A-3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 11, 2014		July 11, 2014	June 12, 2014	1	A			
SUB-00018-SNW-315-A	Road Widening Shop Drawing-Samar Well Project	N/A	SD	CONS	SD	SNW			A		May 29, 2014	June 11, 2014		July 11, 2014						
SUB-00018-SNW-316-A	Completion Report for Geophysical Static Logging-Samar Well Project	Section 02623-Part 4	RPT	CONS	SUB	SNW			A		From main contractor directly	June 12, 2014		July 12, 2014						
SUB-00018-WER-317-A	Identification Tape	Section 16111-Part-2.2-E	SMP	CONS	SUB	WER	CS250		A		May 26, 2014	June 16, 2014		July 16, 2014	June 19, 2014	3	A			
SUB-00018-WER-318-A	Supercast SWX-adhesive for Bonding	Section 03200-Part-2.2-B	AD	CONS	SUB	WER			A		June 4, 2014	June 16, 2014		July 16, 2014	June 17, 2014	1	B			
SUB-00018-WER-319-A	Steel Welder-Certification & Qualification	Section 02570-Part-1.3-j	AD	CONS	SUB	WER			A		June 10, 2014	June 16, 2014		July 16, 2014	June 18, 2014	2	B			
SUB-00018-WER-320-A	Welding Procedure for Stainless Steel Pipe	Section 15030-Part-3.3-B	AD	CONS	SUB	WER			A		June 10, 2014							Submitted on June 16, 2014 and Retracted on June 18, 2014		
SUB-00018-ARW-321-A	Test Report on Reinforcement Steel Bars (Ø 14, Ø 25)-Arraba Well	Section 03200-Part-1.3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	A			
SUB-00018-ARW-322-A	29 Days-Concrete Compressive Strength Test Report (St 31+00 to St 57+00)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	C			
SUB-00018-ARW-322-B	29 Days Concrete Test Result for Retaining Wall Footing Sect. (C+D)- St. (31+00 to St. (57+00)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			B		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-323-A	7 Days Concrete Compressive Strength Test for RW Footing Section E from St (00+000) to St (31+670)	Section 03300-Part 1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 17, 2014		July 17, 2014	June 18, 2014	1	C			
SUB-00018-SNW-324-A	Water Sample Completion Report	Section 02624-Part-1.2-F, 3.2-A,B & Section 02624-Part-3.7-D	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 19, 2014		July 19, 2014						
SUB-00018-WER-325-A	Alternative Steel Pipes and Fittings	Section 02570-Part 4.1-C, 2.4-A & 2.6	PD	CONS	SUB	WER			A		May 26, 2014							Submitted on June 22, 2014 and Retracted on June 25, 2014		
SUB-00018-WER-325-A	Steel Pipe, Specials, and fittings & Steel Pipe-Alternative Steel Pipes and Fittings	Section 02570-Part 1.1-C, 2.4-A & 2.6 & Section 15025-Part 2.3-4	PD	CONS	SUB	WER			A		June 25, 2014	June 26, 2014		July 26, 2014	June 29, 2014	3	B			
SUB-00018-ARW-326-A	Connection of the Retaining Wall with the Existing Fence Shop Drawing	Section 01300-Part 1.8-B	SD	CONS	SUB	ARW			A		June 18, 2014	June 22, 2014		July 22, 2014	June 23, 2014	1	B			
SUB-00018-ARW-327-A	7 Days Concrete Test Result for Retaining Wall Footing Sect. (B)- St. (00+050) to St. (126+76)	Section 03300-Part 1.4-C	TR	CONS	SUB	ARW			A		From main contractor directly	June 22, 2014		July 22, 2014	June 23, 2014	1	A			
SUB-00018-ARW-328-A	Electrical Conduits Shop Drawing for Suction Header Area	RFI-13-00018-WER-C-E-023-Sonic Level Measuring System	SD	CONS	SUB	ARW			A		June 21, 2014	June 22, 2014		July 22, 2014	June 23, 2014	1	B			
SUB-00018-ARW-329-A	Arraba Balance Tank Shop Drawing (Mechanical)	Drawing No-0M(01-07, Rev. Arraba Confirm Drawing)	SD	CONS	SUB	ARW			A		June 22, 2014	June 23, 2014		July 23, 2014						
SUB-00018-ARW-330-A	Test Report on Natural Sand for Concrete-RW Footing from St.(00+050) to St.(126+76)	Section 03300-Part 1.4-A-3	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-331-A	7 Days Test Report on Concrete Compressive Strength RW-Type C, From St (36+584) to St (55+548)	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-ARW-332-A	28 Days Test Report on Concrete Compressive Strength RW Footing-Type B, From St (57+000) to St (90+090)	Section 03300-Part-1.4-C	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 23, 2014		July 23, 2014	June 23, 2014	0	A			
SUB-00018-WER-333-A	PVC Conduits and Fittings Complementary	Section 16110-Part 2.2-A & Section 16111-Part 2.3-D-1	PD	CONS	SUB	WER	CS1120		A		June 10, 2014	June 24, 2014		July 24, 2014	June 29, 2014	5	A			
SUB-00018-WER-334-A	RGS and PVC Coated RGS Complementary	Section 16110-Part-2.2(B,D)	PD	CONS	SUB	WER	CS1120		A		June 14, 2014	June 24, 2014		July 24, 2014	June 29, 2014	5	A			
SUB-00018-WER-335-A	Liquid-Tight Flexible Conduit Complementary	Section 16110-Part-2.2(B)	PD	CONS	SUB	WER	-CS1120		A		June 14, 2014							Submitted on June 24, 2014 and Retracted on June 29, 2014		
SUB-00018-ARW-336-A	Operation and Maintenance Technical Manual (Table of Contents)-Arraba Well Project	Section 01300-Part-1.8-B	PD	CONS	Lab Test	ARW			A		June 14, 2014	June 24, 2014		July 24, 2014						

## SNW 22.7 Requests for Information Log

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

NTP: October 23, 2013

NOA: September 25, 2013

**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	Status
RFI-18-WER-G-E-054-A	To use submersible pump capacity Q=125 m <sup>3</sup> /hr, TH=320.0 m for SNW performance testing step rate pumping test and constant rate pumping test.		Section 0206		June 1, 2014				Pending			
RFI-18-WER-G-E-055-A	Subject of Information Requested: 1. Furnish Vertical Turbine Line Shaft Pumps (VTLSP) as per the EMS&MEKORBOT (Israel's national water supply company) specifications and standards instead of the Contract technical specification section 1100 rev 2. Furnish Vertical Turbine Pumps (VTP) as per the EMS&MEKORBOT (Israel's national water supply company) specifications and standards instead of the Contract technical specification section 1100 rev 3.		Section 1110rev2, 1110rev3		June 1, 2014	June 19, 2014	June 19, 2014	18	Response	Response to Requested Information 1. CMC has no objection for the proposed submittals. 2. Final review and acceptance will be through submittals and shop drawing process. 3. Contractor to submit VOR accordingly.		
RFI-18-WER-G-E-056-A	Samar Well Project (SNW): Proposed site plan for well station/ As per design drawing for Samar area system (Civil), DWG No. 3C-8, site plan (well station), and upon thoroughly reviewing the entire well site components (civil structures, piping, and electrical components), the following notes and concerns are addressed: - The reserved space between civil structures is not enough for the rig movement and auxiliary equipment (i.e. crane and steel pipes mainly) for well-equipment removal and installation during future maintenance. The immediate area between components and around well and booster pumps are crowded with electrical and mechanical duct banks, manholes and piping.			Reference:DWG No. 3C-8, site plan (well station)	June 15, 2014	June 22, 2014	June 22, 2014	7	Response	CMC have no objection on Contractor's proposed slight shifting to provide extra space to allow more site space for future maintenance.		

## 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	NOA:	September 25, 2013
	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 Variation Orders received during the current reporting period																					

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

**VOR Log**

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
VOR-00018-WER-004-A	June 2, 2014		36 Days	\$122,915.16			SM.#002	<p>1. Providing temporary steel balancing tank and necessary mechanical and electrical preparations and material at Sanur well, to maintain pumping water to communities during well development, as per SM#2.</p> <p>2. Providing stand-by power generator at Arraba well as per St.I#2 for emergency.</p> <p>3. Additional cleaning and brushing of the well due to intensive mud and sediments in the well (well was blocked from 385m bpi to the bottom of the well at 466 m bpi), and intensive calcification on well casing.</p>	Response	
VOR-00018-WER-005-A	June 17, 2014		36 Days	\$171,110.88			SM.#002	<p>1. Fishing and extraction of fallen Vertical Line Shaft Pump Strainer from Sanur Well.</p> <p>2. Providing temporary steel balancing tank and necessary mechanical and electrical preparations and material at Sanur well, to maintain pumping water to communities during well development as per SM1#2.</p> <p>3. Providing stand-by power generator at Arraba well as per SM#2 for emergency.</p> <p>4. Additional cleaning and brushing of the well due to intensive mud and sediments in the well, and intensive calcification on well casing.</p>	Pending	
VOR-00018-WER-006-A	June 18, 2014		77 Days	\$78,892.97			RFI#30 & SUB-00018-SNW-297-A	Execution of a new retaining wall for Sanur well site including all civil and structural works as per the Engineer instructions and Engineer response on RFI#30.	Pending	

## 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  
 Temporarily Job Days Summary Report

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

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

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	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	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	166	528	22	476	52	
July	2014						0	0			
August	2014						0	0			
September	2014						0	0			
Total of FY 2014							2745	115.3518908	2455	290	
October	2014						0	0			
November	2014						0	0			
December	2014						0	0			
January	2015						0	0			
February	2015						0	0			
March	2015						0	0			
April	2015						0	0			
May	2015						0	0			
June	2015						0	0			
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							0	0			

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

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

DATE	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 & Envi. Manager	Project Manager #1, #2, etc...	Document Control Engineer(F)	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard / Security	Janitor (F)	Janitor	Surveyor	Surveyor Assistant	Welders						Geologist	Rig Supervisor
June 1, 2013	4	4	4	12	8	4	4	12	12				24	24	4	8				12		3	3.5	1.5	3	6	
June 2, 2013	4	4	6	12	8	4	4	12	12	12				24	4	8				12	8	3.25	3.5	3	0	7	
June 3, 2013	4	4	6	16	8	4	4	12	12				24	24	4	8				12		3.75	3.5	1.5	3	6	
June 4, 2013	4	4	4	12	8	4	4	12	12				24	24	4	8				12		3	3.5	1.5	3	6	
June 5, 2013	4	4	4	12	8	4	4	8	8				8	24	4	8				8		3	3	1	1	5.5	
June 6, 2013														24		8						0	0	0	0	4	
June 7, 2013	4	4	4	12	8	4	4	8	8				8	20	4	8				8		3	3	1	1	5	
June 8, 2013	4	4	4	12	8	4	4	8	8					24	4	8				8	8	3	3	1	0	6.5	
June 9, 2013	4	4	4	12	8	4	4	8	8				24	24	4	8				8		3	3	1	3	5.5	
June 10, 2013	4	4	4	12	8	4	4	8	8	12			12	24	4	8				8		3	3	2.5	1.5	5.5	
June 11, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 12, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 13, 2013									12				24	24								0	0	1.5	3	3	
June 14, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 15, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 16, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 17, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 18, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 19, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 20, 2013									12				24	24		8						0	0	1.5	3	4	
June 21, 2013	4	4	4	12	8	4	4	8	12				24	24	4	8				8		3	3	1.5	3	5.5	
June 22, 2013	4	4	4	12	8	4	4	8	8	24	8		48	24	4	8				8	8	3	3	5	6	5.5	
June 23, 2013	4	4	4	12	8	4	4	8	8	24	8	12	48	24	4	8				12	3	3	6.5	6	6		
June 24, 2013	4	4	4	12	8	4	4	8	8	16	8	8	32	24	4	8				8	8	3	3	5	4	5.5	
June 25, 2013	4	4	4	12	8	4	4	12	12	24	12	24	48	24	4	8				12	3	3.5	9	6	6		
June 26, 2013	4	4	4	16	8	4	4	12	12	24	12	12	60	24	4	8				12	3.5	3.5	7.5	7.5	6		
June 27, 2013				12				12	12	24		12	60	24		8				12	1.5	1.5	6	7.5	5.5		
June 28, 2013	4	4	4	16	8	4	4	12	12	24	12	12	48	24	4	8				12	3.5	3.5	7.5	6	6		
June 29, 2013	4	4	4	16	8	4	4	8	8	24	8	12	48	24	4	8				12	3.5	3	6.5	6	6		
June 30, 2013	4	4	4	16	8	4	4	8	8	24	8	12	72	24	4	8				12	3.5	3	6.5	9	6		
<b>Total of Month</b>	<b>104</b>	<b>104</b>	<b>108</b>	<b>344</b>	<b>208</b>	<b>104</b>	<b>104</b>	<b>248</b>	<b>308</b>	<b>232</b>	<b>76</b>	<b>104</b>	<b>0</b>	<b>852</b>	<b>716</b>	<b>104</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160</b>	<b>116</b>	<b>83</b>	<b>83</b>	<b>90</b>	<b>107</b>	<b>166</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	Damage of the 120 m <sup>3</sup> /hr smaller pump due to sand accumulation inside impellers.	The bigger pump was shut down due to intensive sand content entrapped in the impellers and the second attempt to operate the this pump resulted in burning of the motor. The issue is that the well is producing sand at higher pumping rates, and gradually sand and mud accumulated in pump impellers starting from the impeller hub and spreading all the way to clog the entire impeller.	Delay in completion of well development activities. Accordingly delay in the whole project. Disturb temporary pumping to communities during project construction until securing another pump.	IRD	29th of May, 2014	2	3	6	Yes	Yes	Accept	The pump itself is of a smaller capacity to eliminate the chance for sand accumulation.	IRD	Existing	IRD installed another submersible pump (125m <sup>3</sup> /hr) in an attempt to conduct constant rate test. Later on and through an agreement with WBWD, IRD replaced the submersible pump that was given to WBWD to operate Qabatia well with the Existing VLST pump.
2	External	Existing VLST pump- Risk of fall of equipment during re-installation.	Due to the age and conditions of the PWA Vertical turbine pump and accessories, it might fall during installations (slippage of pipes from couplings).	Delay in work, water shortage in the villages	IRD	24th of June 2014	2	2	4	Yes	Yes	Mitigate	During the re-installation process, all pipes and parts has been checked and worn pieces are replaced. Work is being performed patiently and with extreme care and attention.	IRD	Existing	

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