



USAID
FROM THE AMERICAN PEOPLE

WEST BANK/GAZA

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01 - June 30, 2015

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

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

WELLS REHABILITATION PROJECT-WER

July 05, 2015

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, 2015

PROJECT I-ARRABA WELL PUMP STATION-ARW

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.

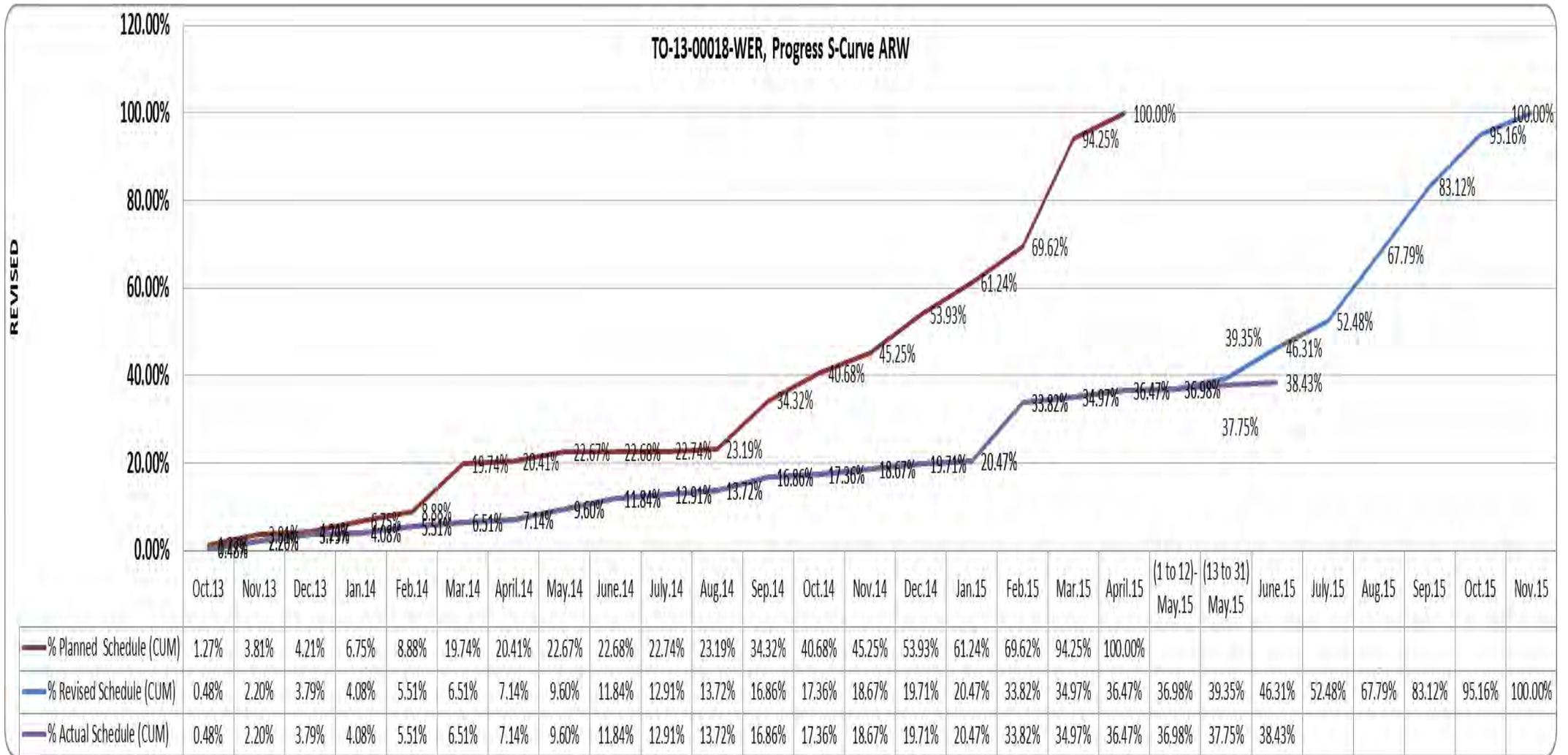
Table of Contents

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.....	8
7. Submittal Status.....	8
8. Construction Activities.....	9
9. Updated Schedule.....	11
10. Site Memos	11
11. Inspection Requests.....	11
12. Test Reports.....	11
13. Request for Information	16
14. Summary of Payments and Accrued Expenditures.....	16
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	19
19. Project Indicators.....	19
20. General Comments	20
21. Construction Photos	20

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.

1. Arraba Well (ARW) Dashboard Status



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.

2. Public Relation and Outreach

- Taking photos that show the activities at the project site;
- Coordination with WBWD;
- Coordination with IEC (Israeli Electrical Company) representative regarding upgrading of existing main power supply.

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 CO₂).

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 2015.

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 2015 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.

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.

Safety Photos:



Safety toolbox meeting-ARW



General cleaning and housekeeping-ARW



Flagman to control equipment movement-ARW

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.



Accepted ventilation system for confined space -ARW



Checking oxygen percentage inside the balance tank-ARW



Adequate light inside the balance tank-ARW



Special face mask for working in balance tank-ARW

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.



Standby person outside the balance tank-ARW

Checking the rescue equipment-ARW

Concrete barriers around the excavated manholes-ARW

4. Security Coordination

The following table summarizes the security coordination conducted during the month of June 2015:

Date	Location/Activity/Attendees	Purpose
June 8, 2015	Bet El/IRD Security Coordinator	Submitting a letter to the Electric Commander asking for a meeting
June 8, 2015	IRD Security Coordinator	Receiving the approval for bringing the pumps from the Water Commander
June 14, 2015	Bet El/IRD Security Coordinator	Follow-up pipes coordination
June 22, 2015	Bet El /IRD Security Coordinator	Follow up pipes coordination
June 24, 2015	Bet El /IRD Security Coordinator	Follow up pipes and pumps permits to bring them to the site
June 25, 2015	Jenin DCL/IRD Security Coordinator	Coordination with Jenin DCL to bring the pipes and the pumps
June 29, 2015	Jenin checkpoint/IRD Security Coordinator	Follow up the pipes and the pumps movement at the checkpoint

5. Material or Equipment Delivered to Site

Please find attachment No. ARW 22.4 Material and Equipment delivered to site.

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.

6. Progress and Scheduling

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

Item	Percentage
Planned percentage complete	46.31%
Actual percentage complete	38.43%
Elapsed Time	82.24%

Table 6.1-ARW-Progress Summary Table

Project Overall Status:

The above percentages are based on the updated CPM Schedule after signing VO#6. The percentages shown above demonstrate that the project is still slightly behind the schedule with eleven CD negative float despite the recent progress in the transformer procurement process, the most critical long lead procurement item-it is expected that the transformer will be manufactured at the beginning of August 2015, as confirmed by the manufacturer. IRD is closely following the process of manufacturing long lead electrical equipment and it is expected that the delivery of some of them, for example VFDs shall start at the end of this month.

During the reporting period, and after insuring safety and environmental measures on site, construction activities of all structures were completed. Internal repair of the Balance Tank walls was performed to eliminate any traces of visible moist or wet spots. Re-testing is still ongoing for both compartments. Underground yard piping fabrication and installation and backfilling is still ongoing. Construction of electrical and mechanical chambers was completed pending some finishing works. Installation of duct banks is still ongoing. Pulling of power and light electrical wires in conduits is ongoing too. On the other hand, booster pumps, well pump and accessories were delivered to site.

Remaining submittals, shop drawings, and relevant specific method statements for major construction activities are constantly prepared.

7. Submittal Status:

During the current reporting period 91 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 34 submittals for WER, 25 submittals for ARW and 32 submittals for SNW. Review comments were received for 84 of them, 6 submittals are still waiting engineer's response; one submittal was retracted. Engineer's review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	56
B - Make Corrections Noted	18
C- Amend and Resubmit	9
D- Rejected- Resubmit	1
E- Review Not Required	0

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 Disposition	Total
Retracted submittals	1
Total submittals delivered	91
Total submittals reviewed	84
Submittals delivered not reviewed	6

Table 7.2-WER-Submittal Disposition

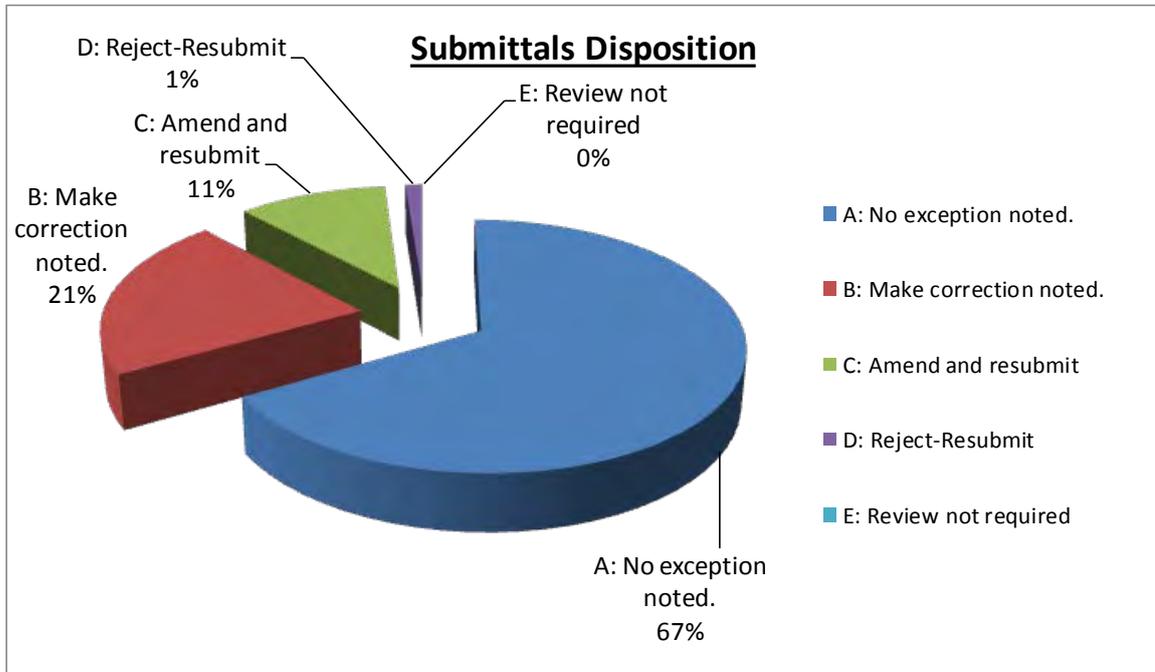


Figure 7.1-WER-Submittals Disposition Analysis

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:

- **For the Balance Tank:**
 - Completed internal repair of both compartments to eliminate any possible traces of moist, and preparing for re-testing.
- **Living Quarter:**
 - Finished final coat of plastering for external walls.
 - Started installation of electrical wires (power and light).
- **Electrical Metering building:**
 - Installation of electrical wires (power and light).
 - Completed final coat of external and internal plastering of walls and ceiling.
 - Completed plastering brown coat for building parapet.

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.

- **Electrical and Control building:**
 - Installation of galvanized steel door frames.
 - Installation of electrical wires (power and light) is ongoing.
- **Chlorination Building Activities:**
 - Completed applying first and second coats of damp proof for the foundation.
 - Completed final coat of plastering works for internal walls, external walls and ceiling.
 - Completed installation of coping marble for building parapet.
 - Completed installation of earthing system.
- **Boosters Room:**
- **Yard Works:**
 - Completed construction of electrical and mechanical chambers pending finishes.
 - Installation and construction of duct banks is ongoing.
- **Transformer pad:**
 - Started excavation for transformer pad foundation.

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

- **For the Balance Tank:**
 - Complete leak test of both compartments.
 - Start preparation of the internal epoxy paint.
 - Install roof slab vents.
 - Apply roof slab joint filling.
 - Apply coating for the foundation and install perforated piping.
- **Living Quarter:**
 - Tile works.
 - Install roof slab insulation and all equipment supports including screed concrete.
 - Installation of plumbing fixtures.
- **Electrical Metering building:**
 - Roof slab insulation including screed concrete.
 - Installation of doors and windows.
- **Electrical and Control building:**
 - Roof slab insulation including screed concrete.
 - Installation of windows and doors.
- **Chlorination Building Activities:**
 - Complete ceramic works.

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.

- Installation of windows and doors.
- Roof slab insulation including screed concrete.
- **Boosters Room:**
 - Start and finish formwork and steel reinforcement for booster pump wall header including concrete casting.
 - Start electrical and mechanical conduits under the wall header slab.
- **Yard Works:**
 - Continue excavation works and yard piping installation for remaining Underground piping (main washout and well washout pipelines).
 - Complete finishing works of electrical and mechanical chambers.
 - Complete installation and construction of duct banks.
 - Start yard area leveling and grading.
- **Transformer pad:**
 - Spread, level, and compact base course layers under concrete slab.
 - Cast concrete slab of the transformer pad.
- **Fence Wall:**
 - Start construction of fence wall.
- **Seepage pit:**
 - Start excavations and construction of seepage pit.
- Continue preparation and submission of remaining submittals, method statements and shop drawings.
- Coordination with WBWD.

9. Updated Schedule

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

10. Site Memos

No Site Memos were 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, 93 Inspection Requests were submitted to the Engineer including resubmitted inspections, 54 inspections for Arraba well, 30 for Sanur well and 9 under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

12. Test Reports

Twelve testing reports had been conducted during the current reporting period; 10 for Arraba Well and 2 tests under WER. All tests passed according to the testing lab

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.

and conformed to QC specifications and one concrete test report was retracted. For more details, see the table below:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Retracted	Total No. of Tests Submitted
Concrete	8	0	0	0	8
Welding	1	0	0	0	1
Booster and Well Pumps	1	0	0	0	1
Medium Voltage Cable	1	0	0	0	1
Bermad Valves	1	0	0	0	1
Total	12	0	0	0	12

Table 12.1- ARW QC Analysis Table

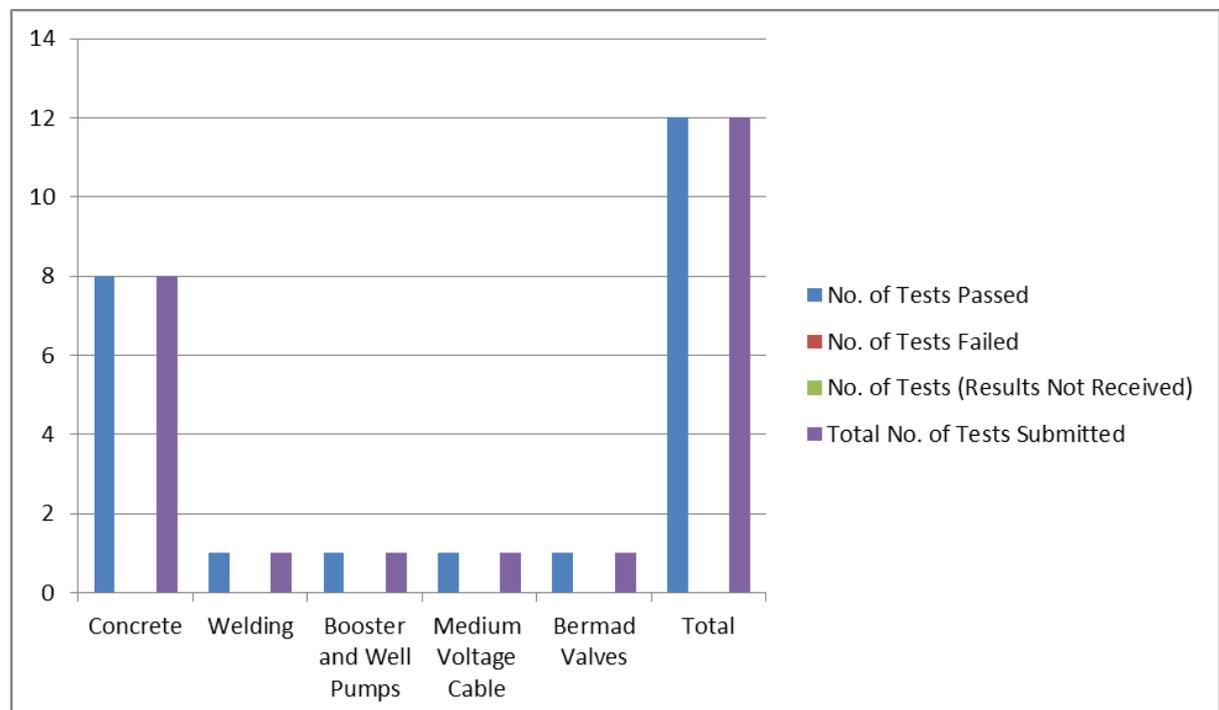


Figure 12.1- ARW QC Analysis Bar Chart

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

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.

QC pictures under WER:



Task Order: Collecting samples from the stake holder of Ma'emar batch plant (Sand, Somsom, single size aggregate)



Task Order: Conducting a site visit and tests for Bermad valve- Akko

QC pictures for Arraba Well:



Arraba Well: Conducting visual inspection for Balance Tank concrete surface by Omari Group representative

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.



Arraba Well: Conducting visual inspection by Omari Group representative for Balance Tank internal walls



Arraba Well: Collecting concrete samples for electrical manhole MHP04 and MHP05 foundation, MHP03 and MHS05 walls, duct bank DBP-12 and duct bank DBP-03



Arraba Well: Collecting concrete samples for electrical manhole MHP02 foundation and duct bank DBP-02

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.



Arraba Well: Collecting concrete samples for duct bank DBP-09



Arraba Well: Collecting concrete samples for electrical manholes MHP02, MHP04, MHP05 walls and MHS04 roof slab



Arraba Well: Collecting concrete samples for electrical manhole MHP02 walls and duct bank DBS-02

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.



Arraba Well: Collecting concrete samples and field test for duct bank DBS-07



Arraba Well: Collecting concrete samples and field tests for electrical manholes MHP01, MHP02, MHP03, MHP04, MHP05, MHS01, MHS02, MHS03, and MHS05 roof slab

13. Request for Information

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

14. Summary of Payments and Accrued Expenditures

IRD submitted its tenth payment under Task Order No. 13-00018 / INP II on June 11, 2015; the payment was reviewed and approved by CMC on June 25, 2015. The corresponding payment amount was not received by USAID yet. This payment covers the period from April 09, 2015 to June 08, 2015.

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						
10	Apr.09, 15	Jun.08, 15	116,604.50	1,261,078.31	1,377,682.81	Jun.11, 15	Jun.25, 15	-

Table 14.1-ARW-Payment Summary

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.

Accrued expenditures for Task Order 13-00018-ARW=
 \$2,429,302.25 - \$1,261,078.31 = \$1,168,223.94

15. Variation Orders and Variation Order Requests

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

16. Operation, Maintenance and Training

Preliminary Operation & Maintenance Manuals are being submitted to the CMC; each section of the O & M is submitted in a separate submittal; once all sections are approved by the CMC a final version of the O & M will be submitted officially.

17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD-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 balancing tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars	IRD-PM	Holding safety toolbox meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings; maintain good housekeeping of the site in all times.
Fall of loose material during backfilling behind retaining wall and/or slipping of personnel and	The cut part in the hill west to the retaining wall could contain loose material that might be released and fall during rainy times. Slipping could occur due	IRD-PM	1- Initial release of any possible loose materials. 2- All working personnel on moving equipment are instructed to strictly

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.

Risk	Description	Responsible Party	Remedial Measures/Comments
equipment due to wet ground.	to rain and that will wet the ground.		<p>follow flagman directions.</p> <p>3- Working personnel are instructed to avoid working and moving on wet ground, they should wait until the ground is dry.</p> <p>4- The high area facing the retaining wall from western side is covered with and protected with plastic shelters from the highest point to the bottom of the ground.</p>
Delay in procurement of transformer and switchgear	Procurement of transformer and switchgear might encounter a delay due changing the supplier. The original supplier failed to fulfill specifications as per first few submittals he provided which were rejected by the Engineer.	IRD-PM	IRD and its subcontractor are working in parallel with the alternative supplier on electrical equipment. On the other hand, huge efforts are made to accelerate submission process of the relevant submittals and to accelerate the manufacturing period as much as possible to save time.
Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc. which could harm repair staff.	IRD-PM	<p>-Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks.</p> <p>- Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.</p>
Delay in upgrading the existing utility power supply by IEC (Electrical Israeli Company) and relocation of utility existing electric metering system.	As per design requirements, the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters relocation shall be made by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations and unforeseen problems.	IRD	The contractor raised the importance and sensitivity of this issue and addressed his concerns in one of the CO meetings. IRD is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.
Delay in construction activities.	Delay in construction activities and work progress.	IRD-PM	The contractor will make sure to secure the additional resources, and extending the working hour.
Filling the balance tank with water for the leakage test and	The danger lays in the large amount of water during	IRD-PM	The contractor installed an appropriate drainage system; discharged water will go to the Wadi with obtaining

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.

Risk	Description	Responsible Party	Remedial Measures/Comments
handling with a big quantity of water.	performing the leakage test		landowners permission to discharge the water in the lands around the project for irrigation purposes.
Leakage test of the Balance Tank.	Failed result of the leakage test that may cause delay in progress.	IRD-PM	The contractor will take all precautions to pass the test requirements in the shortest possible time to avoid any delay in progress.
Excavations for underground yard piping.	The excavation depth of underground yard piping exceeds 2m and risk of any person falling during work is an existing hazard.	IRD-PM	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Toolbox meetings are conducted regularly.

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	749 Calendar Days
4.	Modified Completion Date	November 10, 2015
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	546 Calendar Days
7.	Total No. of non-working days(Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	75 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

19. Project Indicators

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

Target Value for Project 1:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	120 cubic meter per hour = 2,880 m ³ per day
--	---

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.

The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,793)	$(4,252,438)\text{m}^3/365 \text{ day}/(269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L}/\text{Capita}/\text{Day}$
No. of Beneficiaries	$2,880/0.043 = 66,977 \text{ capita}$

Table 19.1-ARW-Target Value for Project 1

19.2 Indicator #2: Person days of Employment Generated

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

- Estimated Target Value: 22,485.50 person days;
- Employment generated previously: 11,232 person days;
- Employment generated this month: 656 person days (593 males and 63 females);
- Total cumulative employment generated to-date: 11,888 person days.

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

No problems encountered during the reporting period.

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.

20. Construction Photos



Photo Date- 1st of June, 2015: Continue plastering work for Chlorination building external walls.



Photo Date- 1st of June, 2015: Start backfilling around electrical manholes MHS01 and MHP01.



Photo Date- 1st of June, 2015: Start excavation for electrical manhole MHP04.



Photo Date- 2nd of June, 2015: Finish plastering work for Chlorination building external walls and scratch coat for ceiling.



Photo Date- 2nd of June, 2015: Start and finish installation of coping marble for parapet of Chlorination building.



Photo Date- 2nd of June, 2015: Start formwork and steel reinforcement for roof slab of electrical manholes MHS03 and MHS04.

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.



Photo Date- 2nd of June, 2015: Start and finish installing of electrical conduits for electrical duct bank DBS--10.



Photo Date- 2nd of June, 2015: Start and finish applying first layer of damp proofing (Nito-Proof 30) for electrical manhole MHS04, MHS03 and washout chamber (foundation and walls)..



Photo Date- 3rd of June, 2015: Start plastering works brown coat for ceiling of Chlorination building.



Photo Date- 3rd of June, 2015: Start and finish formwork and steel reinforcement for electrical manholes MHP03 foundation.



Photo Date- 3rd of June, 2015: Finish formwork and steel reinforcement for roof slab of electrical manholes MHS03 and MHS04.



Photo Date- 3rd of June, 2015: Start and finish backfilling around washout main manhole.

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.



Photo Date- 4th of June, 2015: Start and finish formwork and steel reinforcement for electrical manhole MHP04 and MHS05 foundation.



Photo Date- 4th of June, 2015: Start and finish backfilling around electrical manhole MHS04.



Photo Date- 4th of June, 2015: Start installation of galvanized steel door frames for Electrical Control building.



Photo Date- 4th of June, 2015: Start and finish casting concrete for electrical manholes MHP03 and MHS05 foundation and duct bank DBS-10 from electrical control building to MHS05.



Photo Date- 6th of June, 2015: Start and finish backfilling around electrical manhole MHS03).



Photo Date- 6th of June, 2015: Start formwork and steel reinforcement for electrical manholes MHP03 and MHS05 walls.

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.



Photo Date- 7th of June, 2015: Continue formwork and steel reinforcement for electrical manholes MHP03 and MHS05 walls.



Photo Date- 7th of June, 2015: Start formwork and steel reinforcement for electrical manhole MHS02 foundation.



Photo Date- 7th of June, 2015: Start installation of electrical conduits for duct bank DBP-12.



Photo Date- 8th of June, 2015: Start and finish casting concrete for electrical manhole MHS02 foundation.



Photo Date- 8th of June, 2015: Finish formwork and steel reinforcement for electrical manholes MHP03 and MHS05 walls.



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.



Photo Date- 8th of June, 2015: Continue installation of electrical conduits for duct bank DBP-12.



Photo Date- 9th of June, 2015: Finish installation of electrical conduits for duct bank DBP-12.



Photo Date- 9th of June, 2015: Start and finish excavation for duct bank DBP-2.



Photo Date- 9th of June, 2015: Finish installation of electrical conduits for duct bank DBP-3.



Photo Date- 9th of June, 2015: Start and finish formwork and steel reinforcement for electrical manhole MHP05 foundation.



Photo Date- 10th of June, 2015: Start installation of electrical conduits for duct bank DBP-2.

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.



Photo Date- 10th of June, 2015: Start and finish casting concrete for duct bank DBP-3 and DBP-12.



Photo Date- 10th of June, 2015: Start and finish casting concrete for electrical manholes MHP04 and MHP05 foundations.



Photo Date- 10th of June, 2015: Start and finish casting concrete for electrical manholes MHP03 and MHS05 walls.



Photo Date- 10th of June, 2015: Continue external and internal plastering works for Electrical Metering Building.



Photo Date- 10th of June, 2015: Start and finish excavation for electrical duct bank DBP-9.



Photo Date- 11th of June, 2015: Finish installation of electrical conduits for duct bank DBP-2.

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.



Photo Date- 11th of June, 2015: Start and finish casting concrete for duct bank DBP-2.



Photo Date- 11th of June, 2015: Start and finish casting concrete for electrical manhole MHP02 foundation.



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.

<p>Photo Date- 13th of June, 2015: Start formwork and steel reinforcement for electrical manholes MHP02 and MHP04 walls.</p>	<p>Photo Date- 13th of June, 2015: Start installation of electrical conduits for duct bank DBP-9.</p>
	
<p>Photo Date- 13th of June, 2015: Finish plastering work for Chlorination building ceiling.</p>	<p>Photo Date- 14th of June, 2015: Continue formwork and steel reinforcement for electrical manholes MHP02 and MHP04 walls.</p>
	
<p>Photo Date- 14th of June, 2015: Finish installation of electrical conduits for duct bank DBP-9.</p>	<p>Photo Date- 14th of June, 2015: Start and finish casting concrete for duct bank DBP-9.</p>
	

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.

Photo Date- 14th of June, 2015: Start and finish plastering brown coat for Electrical Metering building parapet.



Photo Date- 15th of June, 2015: Start and finish casting concrete for electrical manholes MHP02, MHP04 and MHP05 walls.



Photo Date- 15th of June, 2015: Start and finish casting concrete for electrical manhole MHS04 roof slab.



Photo Date- 16th of June, 2015: Start and finish backfilling for duct bank DBP-9.



Photo Date- 16th of June, 2015: Start and finish installation of electrical conduits for duct bank DBS-2.



Photo Date- 16th of June, 2015: Start and finish backfilling for electrical manholes MHP03, MHS05 and duct bank DBP-12.



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.

Photo Date- 16th of June, 2015: Start plastering final coat for Living Quarter buildings external walls.



Photo Date- 16th of June, 2015: Start formwork and steel reinforcement for electrical manhole MHP02 walls.



Photo Date- 17th of June, 2015: Finish formwork and steel reinforcement and finish casting concrete for electrical manhole MHP02 walls.



Photo Date- 17th of June, 2015: Finish plastering final coat for Living Quarter buildings external walls.



Photo Date- 17th of June, 2015: Start and finish casting concrete for duct bank DBS-2.



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.

<p>Photo Date- 18th of June, 2015: Start and finish formwork and steel reinforcement for electrical manholes MHP04 and MHP05 roof slab.</p>	<p>Photo Date- 18th of June, 2015: Start and finish installation of Earthing system of Chlorination building.</p>
	
<p>Photo Date- 20th of June, 2015: Finish excavation for duct bank DBS-7.</p>	<p>Photo Date- 20th of June, 2015: Start installation excavation for duct bank DBS-7.</p>
	
<p>Photo Date- 21st of June, 2015: Finish installation of electrical conduits for duct bank DBS-7.</p>	<p>Photo Date- 21st of June, 2015: Start and finish applying first layer damp proof (Nito-Proof 30) for electrical manholes MHS02, MHP04 and MHP05 walls and foundation.</p>
	

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.

<p>Photo Date- 22nd of June, 2015: Continue installation of electrical conduits for duct bank DBS-2.</p>	<p>Photo Date- 23rd of June, 2015: Continue installation of electrical conduits for duct bank DBS-2.</p>
	
<p>Photo Date- 23rd of June, 2015: Start and finish casting concrete for duct bank DBS-07.</p>	<p>Photo Date- 23rd of June, 2015: Start formwork and steel reinforcement for electrical manholes MHP03 and MHS05 roof slab.</p>
	
<p>Photo Date- 23rd of June, 2015: Resume concrete surface repair for Balance Tank internal walls (compartment 1).</p>	<p>Photo Date- 24th of June, 2015: Finish formwork and steel reinforcement for electrical manholes MHP03 and MHS05 roof slab.</p>
	

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.

<p>Photo Date- 24th of June, 2015: Start and finish backfilling for duct bank DBS-7 and electrical manhole MHP04.</p>	<p>Photo Date- 24th of June, 2015: continue concrete surface repair for Balance Tank internal walls (compartment 1).</p>
	
<p>Photo Date- 25th of June, 2015: Start and finish formwork and steel reinforcement for electrical manholes MHS01 and MHP01 roof slab.</p>	<p>Photo Date- 25th of June, 2015: Continue concrete surface repair for Balance Tank internal walls (compartment 2).</p>
	
<p>Photo Date- 27th of June, 2015: Start installation of electrical wires (power and light) for Living Quarter building.</p>	<p>Photo Date- 27th of June, 2015: Start excavation for transformer pad foundation.</p>
	

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.

<p>Photo Date- 28th of June, 2015: Conducting a site visit and tests for Bermad valve- Akko.</p>	<p>Photo Date- 28th of June, 2015: Start and finish installation of electrical wires (power and light) for Electrical Metering building.</p>
	
<p>Photo Date- 28th of June, 2015: Start and finish applying the first layer damp proofing (Nito-Proof 30) for electrical manhole walls and foundation MHP02.</p>	<p>Photo Date- 29th of June, 2015: Offloading and storing well pump, booster pumps, riser pipes, oil pipes and shafts.</p>
	
<p>Photo Date- 29th of June, 2015: Finish formwork and steel reinforcement for electrical manholes MHP02 and MHS02 roof slab and start and finish casting concrete for electrical manholes MHP01, MHP02, MHP03, MHP04, MHP05, MHS01, MHS02, MHS03, and MHS05 roof slab.</p>	
	

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.

Photo Date- 30th of June, 2015: Continue installation of electrical wires (power and light) for Electrical Control building.	
--	--

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.

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01- June 30, 2015

PROJECT 2-SANUR WELL PUMP STATION-SNW

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.

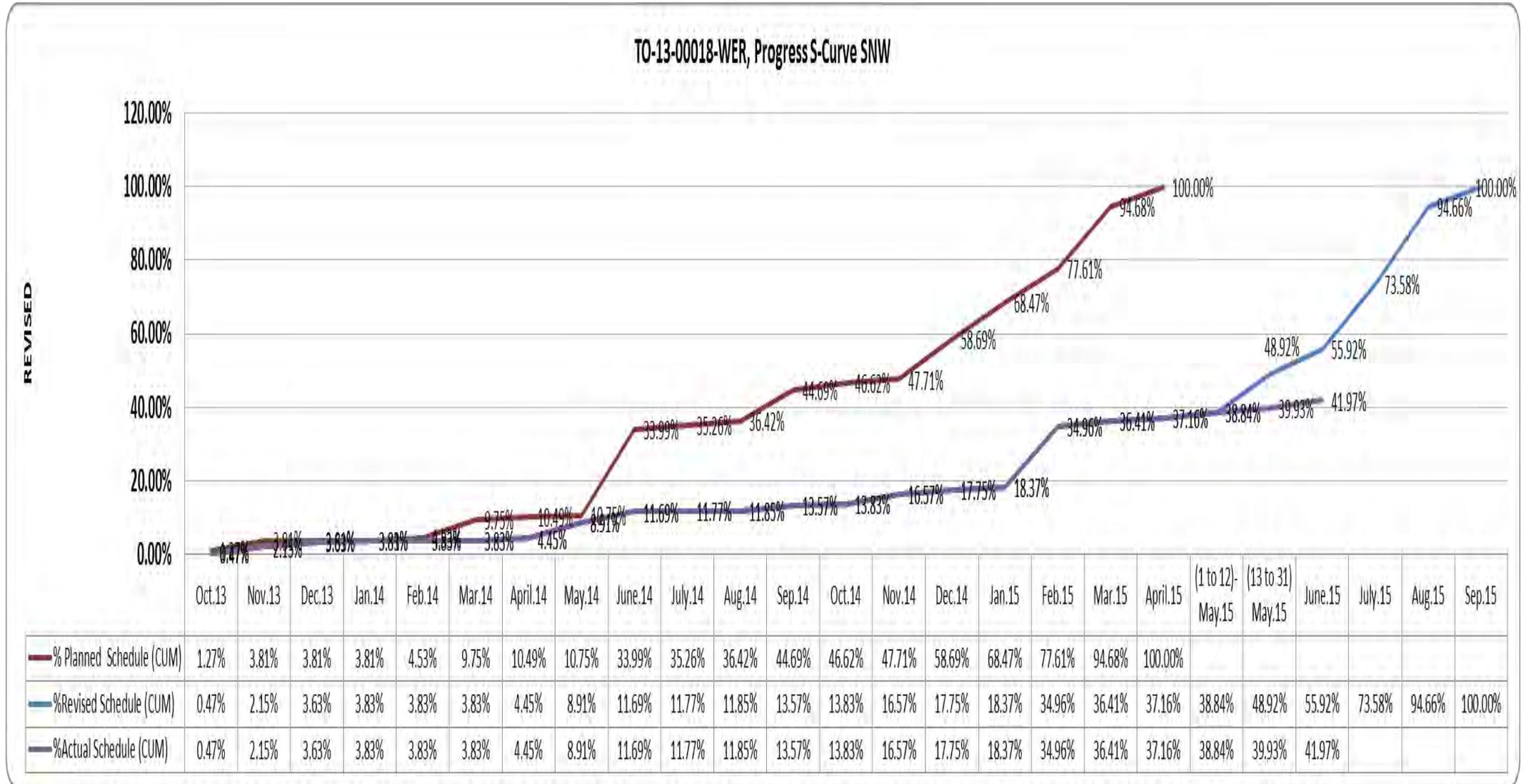
Table of Contents

1. Sanur Well (SNW) Dashboard Status	38
2. Public Relation and Outreach	39
3. Safety and Environmental Status.....	39
4. Security Coordination	40
5. Material or Equipment Delivered to Site.....	42
6. Progress and Scheduling.....	42
7. Submittal Status.....	43
8. Construction Activities.....	44
9. Updated Schedule.....	46
10. Site Memos	46
11. Inspection Requests.....	46
12. Test Reports.....	46
13. Request for Information	51
14. Summary of Payments and Accrued Expenditures.....	51
15. Variation Orders and Variation Order Requests.....	52
16. Operation, Maintenance and Training	52
17. Risk Management and Mitigation Measures.....	52
18. Summary of Working/Non-Working Days	54
19. Project Indicators.....	54
20. General Comments	55
21. Construction Photos	55

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.

1. Sanur Well (SNW) Dashboard Status



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.

2. Public Relation and Outreach

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

- Taking photos that show the activities at the project site;
- Coordination with WBWD;
- Coordination with IEC (Israeli Electrical Company) representative regarding upgrading of existing main power supply.

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 CO₂).

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: Three toolbox meetings were conducted during the month of June 2015.

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 2015 can be summarized as follows:

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

Notice of Unsafe Condition:

No NUCs were issued during the reporting period.

Safety Violation Notice

During the current reporting period (0) accident occurred

Safety Conclusion:

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.

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

Safety Photos



Safety toolbox meeting-SNW



Safety toolbox meeting-SNW



General housekeeping-SNW



Dust control-Spraying water over the dust areas-SNW

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.



Installing fence around excavated areas -SNW



General cleaning and arranging the site-SNW



Establishing safe scaffolding-SNW

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.



Safe scaffolding for plastering work-SNW



Flagman to control equipment movement-SNW

4. Security Coordination

The following table summarizes the security coordination conducted during the month of June 2015:

Date	Location/Activity/Attendees	Purpose
June 8, 2015	Bet El/IRD Security Coordinator	Submitting a letter to the Electric Commander asking for a meeting
June 8, 2015	IRD Security Coordinator	Receiving the approval for bringing the pumps from the Water Commander
June 14, 2015	Bet El/IRD Security Coordinator	Follow-up pipes coordination
June 22, 2015	Bet El /IRD Security Coordinator	Follow up pipes coordination
June 24, 2015	Bet El /IRD Security Coordinator	Follow up pipes and pumps permits to bring them to the site
June 25, 2015	Jenin DCL/IRD Security Coordinator	Coordination with Jenin DCL to bring the pipes and the pumps
June 29, 2015	Jenin checkpoint/IRD Security Coordinator	Follow up the pipes and the pumps movement at the checkpoint

5. Material or Equipment Delivered to Site

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

6. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	55.92%
Actual percentage complete	41.97%
Elapsed Time	88.89%

Table 6.1-SNW-Progress Summary Table

Project Overall Status:

The above percentages are based on the updated CPM Schedule. The percentages shown above demonstrate that the project is still behind the schedule with 21 CD negative float; negative float despite the recent progress in the transformer procurement process, the most critical long lead procurement item-it is expected that

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.

the transformer will be manufactured at the beginning of August 2015, as confirmed by the manufacturer. IRD is closely following the process of manufacturing long lead electrical equipment and it is expected that the delivery of some of them, for example VFDs shall start at the end of this month.

During this reporting period, temporary pumping to communities is still ongoing. As for construction activities, all plastering works were completed (all coats), and tiling for living quarter and chlorination building is almost completed. Repair of walls of the Balance Tank was done again prior to re-testing of compartment (1). Extending the manholes concrete necks to the required finished level has started, yard area leveling and grading is still ongoing and construction of rig slab is ongoing too. Power and light electrical wires installation in conduits is ongoing.

On the other hand, construction of the new retaining wall has started. Transformer pad was also constructed (both levels). Booster pumps and well-pump accessories were already delivered to the site.

Remaining submittals, shop drawings, and relevant specific method statements for major construction activities are constantly prepared.

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 91 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 34 submittals for WER, 25 submittals for ARW and 32 submittals for SNW. Review comments were received for 84 of them, 6 submittals are still waiting engineer’s response; one submittal was retracted. Engineer’s review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	56
B - Make Corrections Noted	18
C- Amend and Resubmit	9
D- Rejected- Resubmit	1
E- Review Not Required	0
Retracted submittals	1
Total submittals delivered	91
Total submittals reviewed	84
Submittals delivered not reviewed	6

Table 7.2-WER-Submittal Disposition

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.

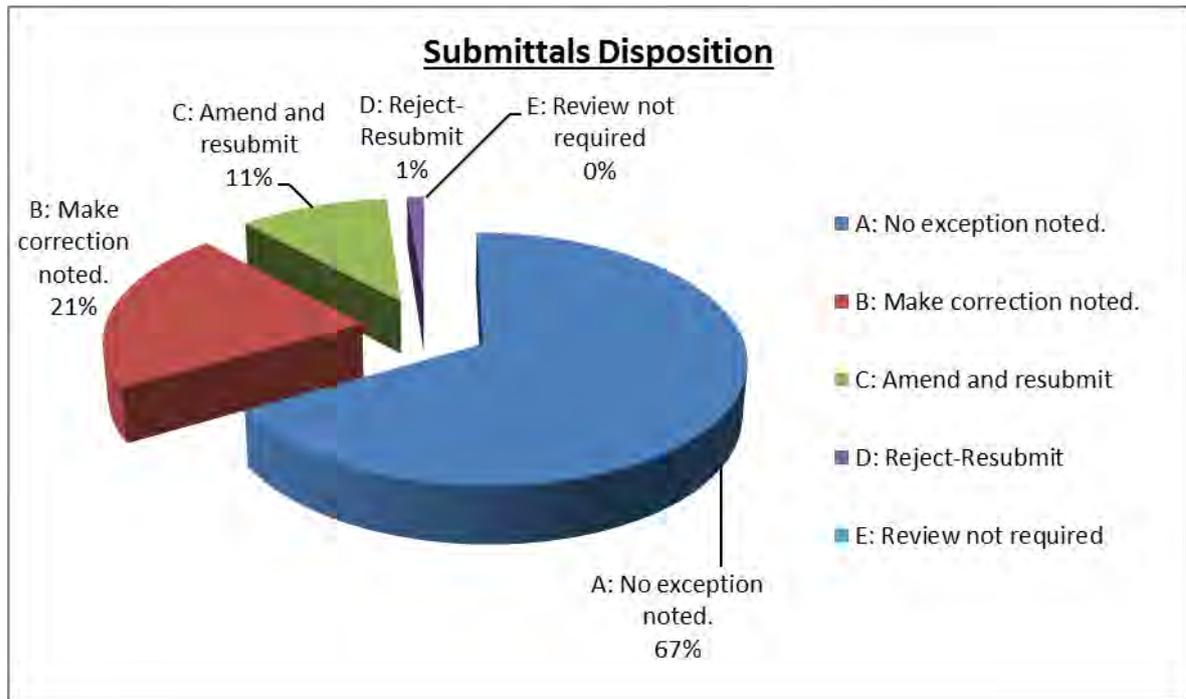


Figure 7.1-WER-Submittals Disposition Analysis

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:

- **For the Balance Tank:**
 - Conducted necessary repairs for compartment (1) prior to re-testing.
 - Finish installation of grounding system.
 - Apply coating for the foundation and install perforated piping.
- **Living Quarter:**
 - Start and finish installation of electrical wires (power and light).
 - Ceramic tiling is still ongoing.
- **Electrical Metering building:**
- **Electrical and Control building:**
 - Finished plastering works of the remaining two external elevations.
 - Pulling of electrical cables from Electrical Control building to the other buildings is ongoing.
- **Chlorination Building:**
 - Ceramic tiling for the floor and tiling of walls are still ongoing.
- **Boosters Room:**
 - Finish installation of electrical conduits for booster room subgrade piping.

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.

- Finish installation of grounding system for booster area.
- Start and finish the installation of the 2” HDPE pipes and connecting it to the booster slab drain pipe.
- **Yard Works:**
 - Continue yard area leveling and grading.
 - Completed 95 % of the installation of the electrical duct banks.
 - Started extending the manholes concrete necks to the required finished level.
 - Finished spreading, leveling and compaction of base course layer for the Rig slab.
- **Transformer pad:**
 - Excavation to reduced level and foundation.
 - Spread, level, and compact base course layers under concrete slab.
 - Form work, reinforcement steel and casting concrete for slab of the transformer pad (first level and second level) is completed.
- **Retaining Wall:**
 - Construction of retaining wall from station 0+00 to station 0+65 is still ongoing.

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

- **For the Balance Tank:**
 - Complete the leak test of the BT compartment (1).
 - Start preparation of the internal epoxy paint.
 - Install roof slab vents.
 - Apply roof slab joint filling.
- **Living Quarter:**
 - Install roof slab insulation and all equipment supports including screed concrete.
 - Installation of doors and windows.
 - Installation of plumbing fixtures.
- **Electrical Metering building:**
 - Install roof slab insulation including screed concrete.
 - Start fabrication of the electrical trench grating and cover.
 - Installation of doors and windows.
- **Electrical and Control building:**
 - Install roof slab insulation including screed concrete.
 - Start fabrication of the electrical trench grating and cover.

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.

- Installation of doors and windows.
- **Chlorination Building Activities:**
 - Continue walls tiling.
 - Install roof slab insulation including screed concrete.
 - Installation of doors and windows.
- **Boosters Room:**
 - Continue the construction of the booster room on-ground slab.
- **Yard Area:**
 - Complete installation and construction of the remaining 10% of the electrical duct banks.
 - Continue the construction of the rig slab.
- **Retaining Wall:**
 - Start and finish the construction of retaining wall from station 0+65 to station 0+100.
- Continue preparation and submission of remaining submittals, method statements 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 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, 93 Inspection Requests were submitted to the Engineer including resubmitted inspections, 54 inspections for Arraba well, 30 for Sanur well and 9 under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

12. Test Reports

Thirty testing reports had been conducted during the current reporting period; twenty-eight for Sanur Well and two tests under WER. All tests passed according to the testing lab and conformed to QC specifications except for one test report for concrete compressive strength at 7 days of age at RW Foundation (St. 0+025 to 0+039.5) - SUB-00018-SNW-1111-A; the 7 day compressive strength does not comply with the Project's Specifications (min.=70%). The conclusion will be made upon the 28 day compressive strength result (July 06, 2015). For more details, see the table below:

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.

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Submitted
Substrata	2	0	0	2
Subgrade	4	0	0	4
Base course	3	0	0	3
Concrete	17	1	0	18
Booster and Well Pumps	1	0	0	1
Medium Voltage Cable	1	0	0	1
Bermad Valves	1	0	0	1
Total	29	1	0	30

Table 12.1- SNW QC Analysis Table

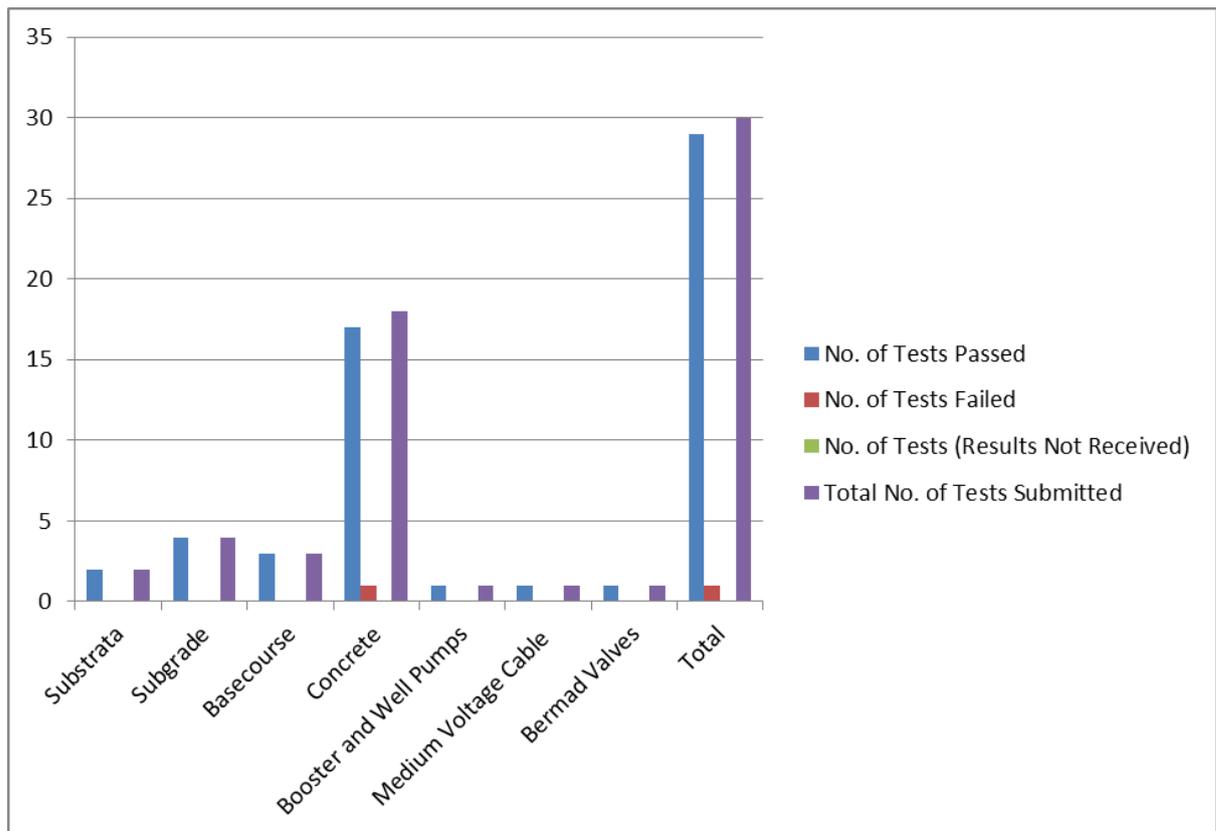


Figure 12.1-SNW QC Analysis Bar Chart

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

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.

QC pictures for Sanur Well:



Sanur Well: Collecting concrete samples and field tests for Retaining Wall foundation from St. 0+00 to St. 0+025 and duct bank DBP09, DBP10 and DBP11



Sanur Well: Collecting concrete samples and field test for Retaining wall foundation from St. 0+025 to St. 0+039.5



Sanur Well: Collecting concrete samples and field test for transformer pad (first level)

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.



Sanur Well: Collecting concrete samples for duct bank DBS-08 and DBP-07



Sanur Well: Collecting compacting base course sample for Retaining wall foundation from St. 0+039.5 to St. 0+060



Sanur Well: Collecting soil sample for the new location of tree

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.



Sanur Well: Collecting concrete samples and field test for Retaining wall from St. 0+007 to St. 0+013 and from St. 0+020 to St. 0+027



Sanur Well: Collecting concrete samples and field test for Retaining wall foundation from St. 0+039.5 to St. 0+55



Sanur Well: Collecting compaction sample of substrata for the Rig slab

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.



Sanur Well: Collecting concrete samples and field test for Retaining wall from St. 0+047 to St. 0+055 and from St. 0+33 to St.0+39.6



Sanur Well: Collecting compacting samples for subgrade layer of the Rig slab

13. Request for Information

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

14. Summary of Payments and Accrued Expenditures

IRD submitted its tenth payment under Task Order No. 13-00018 / INP II on June 11, 2015; the payment was reviewed and approved by CMC on June 25, 2015. The corresponding payment amount was not received by USAID yet. This payment covers the period from April 09, 2015 to June 08, 2015.

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						
10	Apr.09, 15	Jun.08, 15	181,421.29	1,094,149.96	1,275,571.25	Jun.11, 15	Jun.25, 15	-

Table 14.1-SNW-Payment Summary

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.

Accrued expenditures for Task Order 13-00018-SNW=
 \$2,922,328.42 - \$1,094,149.96 = \$1,828,178.46

15. Variation Orders and Variation Order Requests

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

16. Operation, Maintenance and Training

Preliminary Operation & Maintenance Manuals are being submitted to the CMC; each section of the O & M is submitted in a separate submittal; once all sections are approved by the CMC a final version of the O & M will be submitted officially.

17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or 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 underground power cable was exposed then protected properly. Piping system -in all times- will be avoided during excavations and necessary repair will immediately be performed if any pipe is incidentally broken.
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.
Falls and Equipment	These hazards include exposure to falls, falling loads, and mobile equipment.	IRD-PM	Keep materials or equipment that might fall or roll into an excavation at least 2 feet from the edge of excavations, or have retaining devices, or both. Provide warning systems such as mobile equipment, barricades. To avoid being struck by any spillage or falling materials, require employees to stand away from vehicles being loaded or unloaded.
Delay in procurement of electrical equipment	Procurement of electrical equipment (control and instrumentation) might encounter a delay due changing the supplier. The original supplier failed to	IRD-PM	IRD and its subcontractor are working in parallel with the alternative supplier on electrical equipment. On the other hand, huge efforts are made to accelerate submission process of the relevant submittals and to accelerate the

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.

Risk	Description	Responsible Party	Remedial Measures/Comments
	fulfill specifications as per first few submittals he provided which were rejected by the Engineer.		manufacturing period as much as possible to save time.
Working in confined space (balance tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc. which could harm repair staff.	IRD-PM	-Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. - Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.
Delay in upgrading the existing utility power supply by IEC (Electrical Israeli Company) and relocation of utility existing electric metering system.	As per design requirements, the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters relocation shall be made by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations and unforeseen problems.	IEC	The contractor raised the importance and sensitivity of this issue and addressed his concerns in one of the CO meetings. IRD is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.
Delay in construction activities.	Delay in construction activities and work progress.	IRD-PM	The contractor will make sure to secure the additional resources, and extending the working hour.
Filling the balance tank with water for the leakage test and handling with a big quantity of water.	The danger lays in the large amount of water during performing the leakage test	IRD-PM	The contractor installed an appropriate drainage system; discharged water will go to the Wadi with obtaining landowners permission to discharge the water in the lands around the project for irrigation purposes.
Leakage test of the Balance Tank.	Failed result of the leakage test that may cause delay in progress.	IRD-PM	The contractor will take all precautions to pass the test requirements in the shortest possible time to avoid any delay in progress.
Excavations for underground yard piping.	The excavation depth of underground yard piping exceeds 2m and risk of any person falling during work is an existing hazard.	IRD-PM	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Toolbox meetings are conducted regularly.

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

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.

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	27 CD
3.	Modified Period of Performance	693 Calendar Days
4.	Modified Completion Date	September 15, 2015
5.	No. of Working Days	27 Calendar Days
6.	Accumulated Working Days	539 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	3 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	73 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

19. Project Indicators

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

Target Value for Project 2:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	150 cubic meter per hour = 3,600 m ³ per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,7937)	$(4,252,438)m^3/365 \text{ day} / (269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L/Capita/Day}$
No. of Beneficiaries	$3,600/0.043 = 83,721 \text{ capita}$

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: 9,863 person days;
 - Employment generated this month: 702 person days (639 males and 63 females);
 - Total cumulative employment generated to-date: 10,565 person days.
- contagious

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.

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

No problems encountered during the reporting period.

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.

21. Construction Photos



Photo Date- 1st of June, 2015: Continue installation of electrical conduits for duct bank DBP-9 and booster room subgrade.



Photo Date- 1st of June, 2015: Sanur Well: Start formwork for Retaining wall foundation from St. 0+025 to St. 0+039.51.



Photo Date- 2nd of June, 2015: Finish installation of electrical conduits for duct bank DBP-9, DBP-10, DBP-11 and booster room subgrade piping.



Photo Date- 2nd of June, 2015: Continue formwork for Retaining wall foundation from St. 0+000 to St. 0+039.51.



Photo Date- 3rd of June, 2015: Start formwork and steel reinforcement for duct bank DBP-9, DBP-10 and DBP-11.



Photo Date- 3rd of June, 2015: Continue steel reinforcement for Retaining wall foundation from St. 0+025 to St. 0+039.5.

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.



Photo Date- 3rd of June, 2015: Start excavation for transformer pad.



Photo Date- 4th of June, 2015: Continue formwork and steel reinforcement for Retaining wall foundation from St. 0+000 to St. 0+039.5.



Photo Date- 4th of June, 2015: Start and finish casting concrete for Retaining Wall foundation from St. 0+000 to St. 0+025.



Photo Date- 4th of June, 2015: Start and finish casting concrete for duct bank DBP-9, DBP-10 and DBP-11.



Photo Date- 5th of June, 2015: Start curing concrete for Retaining Wall foundation from St. 0+000 to St. 0+025



Photo Date- 6th of June, 2015: Start backfilling for duct bank DBP-9, DBP-10 and DBP-11.

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.



Photo Date- 6th of June, 2015: Continue formwork and steel reinforcement for Retaining wall foundation from St. 0+025 to St. 0+039.5.



Photo Date- 6th of June, 2015: Start excavation for electrical conduits under transformer pad.



Photo Date- 6th of June, 2015: Start and finish removing formwork for Retaining Wall foundation from St. 0+00 to St. 0+025.



Photo Date- 7th of June, 2015: Continue curing for Retaining wall foundations from station 0+00 to station 0+025.



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.

Photo Date- 7th of June, 2015: Finish formwork and steel reinforcement for Retaining wall foundation from St. 0+025 to St. 0+039.5.



Photo Date- 7th of June, 2015: Start and finish installation of electrical conduits for duct bank DBP-2 under transformer pad.



Photo Date- 8th of June, 2015: Start and finish casting concrete for Retaining wall foundation from St. 0+025 to St. 0+039.5.



Photo Date- 8th of June, 2015: Continue curing for Retaining wall foundations from station 0+00 to station 0+025.



Photo Date- 9th of June, 2015: Finish installation of grounding system for booster area and balance tank.



Photo Date- 9th of June, 2015: Continue yard area leveling and grading.



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.

Photo Date- 10th of June, 2015: Continue formwork and steel reinforcement for Retaining Wall “wall” from St. 0+00 to St. 0+025.



Photo Date- 10th of June, 2015: Start and finish welding and installation of the remaining segment of well buried washout pipeline.



Photo Date- 11th of June, 2015: Continue yard area leveling and grading.



Photo Date- 11th of June, 2015: Start and finish backfill on the installed segment of the well buried pipeline.



Photo Date- 11th of June, 2015: Start and finish formwork, steel reinforcement, installation of earthing system and casting concrete of the transformer pad (first level).



Photo Date- 13th of June, 2015: Start and finish installation of electrical conduits for duct bank DBS-8.

Photo Date- 13th of June, 2015: Continue formwork and steel reinforcement for Retaining Wall “wall” from St. 0+00 to St. 0+025.

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.



Photo Date- 13th of June, 2015: Start formwork and steel reinforcement of the transformer pad (second level).



Photo Date- 13th of June, 2015: Start excavations for Retaining Wall foundation from St. 0+39.5 to St. 0+080.



Photo Date- 14th of June, 2015: Start and finish installation of electrical conduits and start and finish casting concrete for duct bank DBP-8 and DBS-8.



Photo Date- 14th of June, 2015: Start and finish backfilling for duct bank DBP-2.



Photo Date- 15th of June, 2015: Finish formwork and steel reinforcement of the transformer pad (second level).

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.



Photo Date- 14th of June, 2015: Start and finish casting concrete for the transformer pad (second level).



Photo Date- 15th of June, 2015: Start and finish installation of electrical conduits for duct bank DBP-07.



Photo Date- 15th of June, 2015: Start and finish casting concrete for duct bank DBP-07.



Photo Date- 15th of June, 2015: Start formwork and steel reinforcement for Retaining Wall from St. 0+020 to St. 0+027.



Photo Date- 15th of June, 2015: Start and finish formwork close out for Retaining Wall segment 0+013 to 0+020.



Photo Date- 16th of June, 2015: Start and finish formwork and steel reinforcement for Retaining Wall from St. 0+027 to St. 0+034.

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.



Photo Date- 16th of June, 2015: Start and finish backfilling for duct bank DBP-7, DBP-8 and DBS-8.



Photo Date- 16th of June, 2015: Start and finish installation of electrical wires (power and light) for Living Quarter building.



Photo Date- 16th of June, 2015: Start and finish spreading, leveling and compacting subgrade layer for Retaining wall foundation from St. 0+039.5 to St. 0+060.



Photo Date- 16th of June, 2015: Start and finish casting concrete for Retaining Wall segment 0+013 to 0+020 and from St. 0+027 to St. 0+034.



Photo Date- 17th of June, 2015: USAID site visit.



Photo Date- 18th of June, 2015: Start and finish the installation of the 2" HDPE pipes and connecting it to the booster slab drain pipe.

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.



Photo Date- 18th of June, 2015: Continue curing concrete for the transformer pad.



Photo Date- 20th of June, 2015: Continue formwork and steel reinforcement for Retaining wall from St. 0+007 to St. 0+013.



Photo Date- 20th of June, 2015: Continue formwork and steel reinforcement for Retaining Wall from St. 0+034 to St. 0+039.5.



Photo Date- 20th of June, 2015: Continue plastering work of the remaining two external elevations of the Electrical Control building.



Photo Date- 20th of June, 2015: Replant the palm tree to the new location.



Photo Date- 21st of June, 2015: Start and finish spreading, leveling and compacting of substrata for the Rig Slab.

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.



Photo Date- 21st of June, 2015: Finish formwork and steel reinforcement for Retaining wall from St. 0+007 to St. 0+013 and from St. 0+020 to St. 0+027.



Photo Date- 21st of June, 2015: Start formwork and steel reinforcement for Retaining Wall foundation from St. 0+039.5 to St. 0+55.

Photo Date- 22nd of June, 2015: Continue plastering work of the remaining two external elevations of the Electrical Control building.



Photo Date- 22nd of June, 2015: Finish formwork and steel reinforcement for Retaining Wall foundation from St. 0+039.5 to St. 0+55.

Photo Date- 22nd of June, 2015: Start and finish casting concrete for Retaining Wall foundation from St. 0+039.5 to St. 0+55.

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.



Photo Date- 22nd of June, 2015: Continue installation of electrical wires (power and light) for Electrical Control building.



Photo Date- 23rd of June, 2015: Continue plastering work of the remaining two external elevations of the Electrical Control building.



Photo Date- 24th of June, 2015: Finish plastering work of the remaining two external elevations of the Electrical Control building.



Photo Date- 24th of June, 2015: Start formwork and steel reinforcement for Retaining wall from St. 0+047 to St. 0+055 and from St. 0+33 to St.0+39.6.



Photo Date- 24th of June, 2015: Continue pulling of electrical cables from Electrical Control building to the other buildings.



Photo Date- 25th of June, 2015: Finish formwork and steel reinforcement for Retaining wall from St. 0+047 to St. 0+055 and from St. 0+33 to St.0+39.6.

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.



Photo Date- 25th of June, 2015: Start and finish casting concrete for Retaining wall from St. 0+047 to St. 0+055.



Photo Date- 25th of June, 2015: Start spreading, leveling and compacting of base course layer beneath the Rig slab.



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.

Photo Date- 26th of June, 2015: Start curing concrete for Retaining wall from St. 0+047 to St. 0+055.



Photo Date- 26th of June, 2015: Continue compacting of base course layer beneath the Rig slab.



Photo Date- 27th of June, 2015: finish spreading, leveling and compaction of base course layer for the Rig slab.



Photo Date- 27th of June, 2015: Start ceramic tile installation for Chlorination and Living Quarter buildings floor.



Photo Date- 28th of June, 2015: ceramic tile (Floor) for Chlorination and Living Quarter building.



Photo Date- 28th of June, 2015: Conducting a site visit and tests for Bermad valve- Akko.



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.

Photo Date- 29th of June, 2015: Start and finish casting concrete for Retaining Wall from St. 0+033 to St. 0+039.5 and Start and finish casting concrete for Retaining Wall foundation from St. 0+055 to St. 0+065.



Photo Date- 29th of June, 2015: Start and finish applying Nito-Proof-30 for Retaining Wall (foundation and wall) from St. 0+00 to St. 0+027.

Photo Date- 29th of June, 2015: Offloading and storing booster pumps, riser pipes, oil pipes and shafts.



Photo Date- 29th of June, 2015: Start ceramic tiling for Chlorination building walls.

Photo Date- 30th of June, 2015: Continue ceramic tiling for Chlorination building walls



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.

Photo Date- 30th of June, 2015: Start extending the manhole concrete necks to the required finished level.	Photo Date- 30th of June, 2015: Start and finish excavation for Retaining Wall foundation from 0+065 to St. 0+075.
--	--

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.

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

June 01-June 30, 2015

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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.

1. Progress and Scheduling

The following table provides a summary of the project progress status

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

Table 2.1-SDW-Progress Summary Table

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

2. Project Indicators

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

Target Value for Project 3:

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

Table 2.1-SDW-Target Value for Project 3

2.2 Indicator #2: Person days of Employment Generated

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

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

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.



USAID
FROM THE AMERICAN PEOPLE

WEST BANK/GAZA

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: June 01 - June 30, 2015

WELLS REHABILITATION PROJECT-WER

July 05, 2015

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, 2015

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

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.

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

DISCLAIMER:

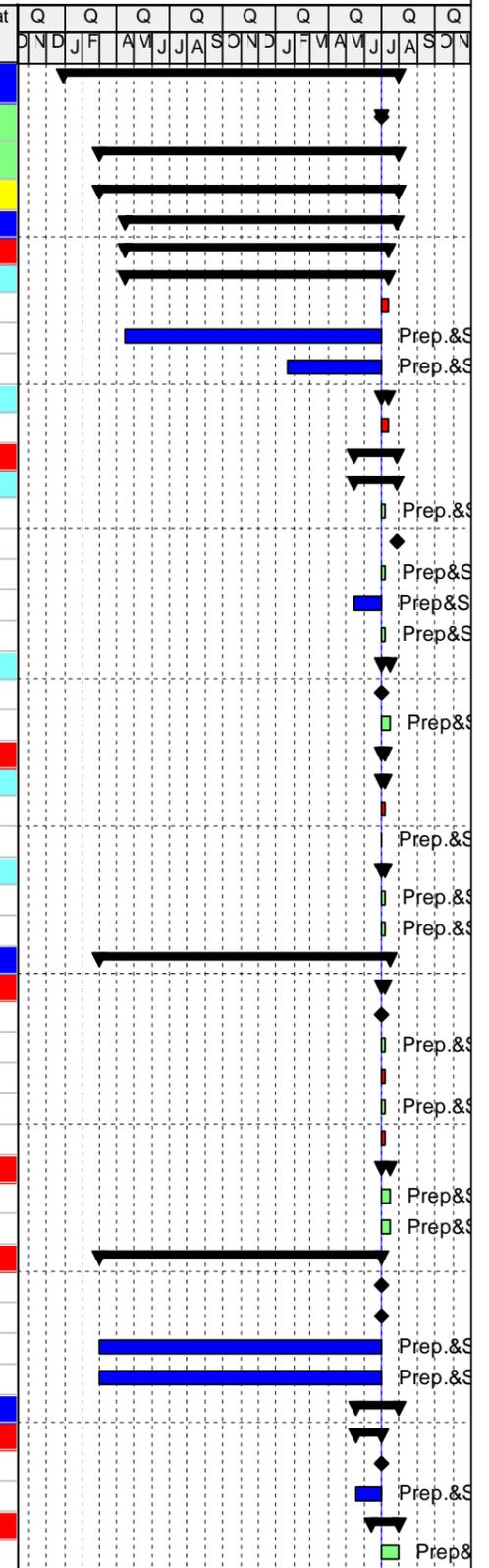
The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

One Month Look Ahead

01-Jul-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q
								D	N	D	J	F	A	M	J	J
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS																
Milestones																
Submittals																
Construction Submittals																
Material Submittals																
Civil																
Building Works																
CS690	Prep.&Submit Rough&Finish Carpentry - Product Data	7	01-Jul-15	12-Jul-15			-2									
CS760	Prep.&Submit Sealants Caulking & Grout- Product Data & Sample	7	01-Jul-15	01-Jul-15	16-Apr-14		61									
CS780	Prep.&Submit Flush Wood Doors - Sample	7	01-Jul-15	01-Jul-15	21-Jan-15		4									
Miscellaneous																
CS970	Prep.&Submit Lockers - Sample & Product Data	7	01-Jul-15	12-Jul-15			-2									
Mechanical																
Local Manufacturer																
CS597	Prep.&Submit Plumping (Piping,Fixtures&Equipment) - Product Data (Remaining Items)	5	01-Jul-15	08-Jul-15			24									
CS689	Approval of Klitchen Equipment - Product Data	0		27-Jul-15			59									
CS697	Prep.&Submit Chlorination Tanks - Product Data	5	01-Jul-15	08-Jul-15			3									
CS727	Prep.&Submit Living Quarter Solar System and Tanks - Product Data	5	01-Jul-15	01-Jul-15	15-May-15		64									
CS787	Prep.&Submit Vibration Isolator for Equipments (Vibration Material for Concrete Base)	5	01-Jul-15	08-Jul-15			12									
Abroad Manufacturer (Long Lead Items)																
CS277	Approval of Compressors, Tank-Mounted, Reciprocating	0		01-Jul-15			78									
CS557	Prep.&Submit Special Tools As Per Specs	10	01-Jul-15	16-Jul-15			7									
Electrical																
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)																
CS1375	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates (Remaining Items)	5	01-Jul-15	08-Jul-15			-5									
CS1395	Prep.&Submit Spare Parts and Extra Material Based on Sec 17100	1	01-Jul-15	02-Jul-15			16									
Local Manufacturer																
CS1136	Prep.&Submit External Wiring Devices - Product Data	5	01-Jul-15	08-Jul-15			8									
CS1250	Prep.&Submit Lightning Protection System - Product Data	5	01-Jul-15	08-Jul-15			3									
Shop Drawings																
Civil																
CS495	Approval of Shop Drawing of Chain Link Fencing - Sanour	0		01-Jul-15			68									
CS680	Prep.&Submit Rough&Finish Carpentry Shop Drawings	5	01-Jul-15	08-Jul-15			46									
CS710	Prep.&Submit PVC Membrane Roofing Shop Drawings	5	01-Jul-15	08-Jul-15			-1									
CS790	Prep.&Submit Steel Doors & Frames - Shop Drawing	5	01-Jul-15	08-Jul-15			46									
CS800	Prep.&Submit Flush Wood Doors - Shop Drawing	5	01-Jul-15	08-Jul-15			-1									
Mechanical																
CS431	Prep.&Submit Compressors, Tank-Mounted, Reciprocating - Shop Drawing	10	01-Jul-15	16-Jul-15			36									
CS441	Prep.&Submit Horizontal Louver Blinds - Shop Drawing	10	01-Jul-15	16-Jul-15			36									
Electrical																
CS797	Approval of Panels Boards - Shop Drawing	0		01-Jul-15			37									
CS807	Approval of Motor Control Center&Solid State Reduced Starters - Shop Drawing	0		01-Jul-15			28									
CS821	Prep.&Submit Lighting - Shop Drawing	5	01-Jul-15	01-Jul-15	03-Mar-14		-17									
CS831	Prep.&Submit Lightning Protection System - Shop Drawing	5	01-Jul-15	01-Jul-15	03-Mar-14		3									
Methods Statement & Work Plans																
Civil																
CS1402	Approval of Control Valves Manufacturer's Services,Inspection,Start Up&Training	0		01-Jul-15			45									
CS2160	Prep.&Submit Load&Deflection Tables for Miscellanios Metal Works	5	01-Jul-15	01-Jul-15	18-May-15		-3									
Mechanical																
CS1411	Prep.&Submit Vertical Multistage Turbine Booster Pump - Statements	20	01-Jul-15	30-Jul-15			23									



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



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q														
								D	N	J	F	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
CS2170	Prep&Submit Vertical Well Pump - Statements	16	01-Jul-15	26-Jul-15			27																									
CS2210	Prep&Submitt Control Valve Testing	10	01-Jul-15	02-Jul-15	15-Jun-15		-9																									
Electrical																																
CS1431	Prep.&Submit Padmounted Transformers - Statements	20	01-Jul-15	30-Jul-15			39																									
CS2190	Prep.&Submit Metal Enclosed Switchgear - Statements	20	01-Jul-15	30-Jul-15			27																									
Procurement																																
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well																																
Material Order, Manufacture & Delivery																																
Electrical Equipment																																
P1-PRO1580	Variable Frequency Drive (VFD)&Spare Parts	82	01-Jul-15	21-Jul-15	02-Feb-15		8																									
P1-PRO1620	SCADA: PLC, Servers, UPS, Computers, Descks.	60	01-Jul-15	24-Jul-15	05-Apr-15		44																									
Mechanical Equipment																																
P1-PRO1551	Wall & Roof Mounted Exhaust Fans With Accessories	150	01-Jul-15	23-Jul-15	02-Aug-14		27																									
P1-PRO1553	Air Conditioning Units & Accessories	150	01-Jul-15	15-Jul-15	24-Aug-14		53																									
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well																																
Material Order, Manufacture & Delivery																																
Electrical Equipment																																
P2-PRO440	Variable Frequency Drive (VFD)&Spare Parts	82	01-Jul-15	21-Jul-15	02-Feb-15		-9																									
P2-PRO490	SCADA: PLC, Servers, UPS, Computers, Descks.	60	01-Jul-15	24-Jul-15	05-Apr-15		-13																									
Mechanical Equipment																																
P2-PRO431	Wall & Roof Mounted Exhaust Fans With Accessories	150	01-Jul-15	23-Jul-15	02-Aug-14		28																									
P2-PRO451	Air Conditioning Units & Accessories	150	01-Jul-15	15-Jul-15	24-Aug-14		-12																									
Steel Pipes, Fittings & Valves																																
Material Delivery																																
Valves																																
PRO220	Delivery of 2nd Order of Valves	12	01-Jul-15	08-Jul-15	15-Dec-14		76																									
Execution Phase																																
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements																																
P1 - Arraba Well Pump Station Infrastructure Improvement																																
Demolishing, Site Development, Apply Safety Measurements & Site Preparation																																
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	01-Jul-15	01-Jul-15	30-Dec-13		58																									
P1-DEMO-000010	Excavation for Clearing, Site Grading & Preparation	7	01-Jul-15	02-Jul-15	18-Mar-14		49																									
P1-DEMO-000020	Erosion & Sediment Control Systems	10	01-Jul-15	16-Jul-15			49																									
P1-DEMO-000030	Miscellaneous Excavation	3	01-Jul-15	01-Jul-15	18-Mar-14		58																									
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	01-Jul-15	01-Jul-15	15-Apr-14		58																									
Construction of New Pump Station																																
Retaining Walls																																
Retaining Wall Group # 1 (St.36+40 to St.55+60)																																
Civil & Structural Works																																
P1-RT-95	Furnish, Install Fence & Backfilling	2	01-Jul-15	01-Jul-15	14-Jun-14		114																									
Retaining Wall Group # 2 (St.55+60 to St.78+80)																																
Civil & Structural Works																																
P1-RT-180	Furnish, Install Fence & Backfilling	2	01-Jul-15	01-Jul-15	13-Jul-14		114																									
Retaining Wall Group # 3 (St.78+80 to St.102+00)																																
Civil & Structural Works																																
P1-RT-270	Furnish, Install Fence & Backfilling	2	01-Jul-15	01-Jul-15	14-Aug-14		114																									
Boundary Wall Group # 4 A -(St.102+00 to St.126+80)																																
Civil & Structural Works																																
P1-RT-360	Furnish, Install Fence & Backfilling	2	01-Jul-15	01-Jul-15	21-Aug-14		114																									
Boundary Wall Group # 4 B -(St.126+80 to St.140+20)																																
Civil & Structural Works																																
P1-RT-630	Furnish, Install Fence & Backfilling	2	01-Jul-15	02-Jul-15	28-Aug-14		114																									
Retaining Wall Group # 5 -(St. 30+40 to St.36+40)																																
Civil & Structural Works																																
P1-RT-450	Furnish, Install Fence & Backfilling	2	01-Jul-15	01-Jul-15	06-Jul-14		114																									

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

▼ Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
								D	N	D	J	F	A	M	J	J	A	S	
P1-EM-000230	Furnish & install Floor Tiles & Base Materials	2	01-Jul-15	04-Jul-15			81												Furnish
Electrical & Instrumentation Works																			
P1-EM-E-00010	Earthing&Lightning Protection Pre-Fix	1	06-Jul-15	07-Jul-15			78												Earthin
Pads & Slabs																			
Civil & Structural Works																			
P1-PS-010	Excavation Leveling for Foundation,Compacting Subgrade layers	5	01-Jul-15	08-Jul-15			30												Excava
P1-PS-020	Form/Steel Rebars for Foundation	3	08-Jul-15	13-Jul-15			30												Form/S
P1-PS-030	Cast Concrete	1	13-Jul-15	14-Jul-15			30												Cast C
P1-PS-040	Concrete Curing	7	15-Jul-15	26-Jul-15			30												Concr
Electrical & Instrumentation Works																			
P1-PS-E-60	Earthing System	1	26-Jul-15	27-Jul-15			37												Earthin
P1-PS-E-91	Lightning Protection System	1	27-Jul-15	28-Jul-15			70												Lightin
Well Systems																			
Wellhead and Pad (Structural)																			
P1-WS-020	Excavation to the Required Depth	3	01-Jul-15	05-Jul-15			26												Excava
P1-WS-030	Grading & Compacting Subgrade Layers	5	06-Jul-15	13-Jul-15			26												Gradin
Yard Works & Site Electrical Power																			
External & Finishing Works																			
P1-YW-040	Excavation for Yard Piping	7	01-Jul-15	04-Jul-15	16-Apr-15		63												Excava
P1-YW-050	Bedding Layer	7	01-Jul-15	04-Jul-15	16-Apr-15		49												Bedding
P1-YW-060	Backfilling and Compaction	7	04-Jul-15	15-Jul-15			49												Backfil
P1-YW-070	1st & 2nd Basecourse Layes	9	16-Jul-15	29-Jul-15			49												1st & 2
Mechanical Works																			
P1-YW-M-010	Lay & Install Pipes <300mm (Pressure Pipes)	14	01-Jul-15	07-Jul-15	16-Apr-15		59												Lay & In
P1-YW-M-030	Lay & Install Gravity Piping	14	01-Jul-15	23-Jul-15			101												Lay &
P1-YW-M-040	Furnish & Install All Chambers & Manholes	10	01-Jul-15	05-Jul-15	17-May-15		103												Furnish
P1-YW-M-050	Pressure Test for All yard pipes	3	01-Jul-15	05-Jul-15			103												Pressur
Electrical & Instrumentation Works																			
P1-YW-E-010	Furnish & Installation of Electrical Manholes	20	01-Jul-15	07-Jul-15	17-May-15		55												Furnish
P1-YW-E-020	Furnish & Installation of Ductbanks	20	01-Jul-15	09-Jul-15	23-May-15		53												Furnish
(O&M),Inspection,Commissioning,Start Up & Training for P1																			
Initial Operation & Manufacturer Technical Manual Submittals (O&M)																			
P1-OM-420	Prep&Submit Safety&Health Training	10	01-Jul-15	16-Jul-15			52												Prep&S
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout	12	01-Jul-15	21-Jul-15			13												Prep&S
P1-OM-450	Prep&Submit O&M for Equipment General	10	01-Jul-15	16-Jul-15			17												Prep&S
P1-OM-460	Prep&Submit O&M for New Chlorination System	10	04-Jul-15	20-Jul-15			67												Prep&S
P1-OM-490	Prep&Submit O&M for HVAC System	10	16-Jul-15	30-Jul-15			42												Prep&S
P1-OM-590	Prep&Submit O&M for Transformers	10	01-Jul-15	16-Jul-15			52												Prep&S
Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)																			
P1-OM-760	Approval Final O&M for Chemical Feed Pump	0		20-Jul-15			67												
P1-OM-770	Approval Final O&M for Bladder Tank	0		01-Jul-15			58												
Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements																			
P2: Sanur Well Pump Station Infrastructure Improvement																			
Demolishing,Site Development,Apply Safety Measurements&Site Preparation																			
P2-DEMO-35	Site Fencing & Apply Safety Measurements	3	01-Jul-15	01-Jul-15	29-Mar-14		0												Site Fer
P2-DEMO-40	Excavation for Clearing,Site Grading&Preparation	7	01-Jul-15	02-Jul-15	10-Jul-14		-1												Excavat
P2-DEMO-50	Erosion & Sediment Control Systems	10	01-Jul-15	16-Jul-15			-10												
P2-DEMO-70	Miscellaneous Excavation	3	01-Jul-15	01-Jul-15	06-Jul-14		0												Miscella
P2-DEMO-80	Lab Test Report for Soil Bearing Capacity	3	01-Jul-15	05-Jul-15	16-Jul-14		-2												Lab Tes
Construction of New Pump Station																			
Balance Tank 1000 m3																			
Civil & Structural Works																			
P2-BT-610	Initial Testing (1st Stage) for Water Tightness	20	01-Jul-15	07-Jul-15	23-Feb-15		6												Initial Te
Finishing Works																			
P2-BT-530	Apply Epoxy Coats(Internal Walls),Base&Isolation Works	10	13-Jul-15	28-Jul-15			6												Apply

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

Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

June,2015 Roll Up Schedule

01-Jul-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q															
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
Total		568	01-Jul-15	21-Nov-15	23-Oct-13		0																									
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS		568	01-Jul-15	21-Nov-15	23-Oct-13		0																									
Milestones		619	01-Jul-15	21-Nov-15	23-Oct-13		-11																									
General Milestones		619	06-Oct-15	21-Nov-15	23-Oct-13		-11																									
Intermediate Milestones		596	01-Jul-15	21-Nov-15	01-Dec-13		-11																									
Mobilization		24			24-Oct-13	08-Jan-14																										
Submittals		506	01-Jul-15	21-Nov-15	31-Oct-13		-9																									
Pre Construction Submittals		45			31-Oct-13	31-Mar-14																										
Construction Submittals		488	01-Jul-15	31-Oct-15	14-Nov-13		-6																									
Material Submittals		427	01-Jul-15	18-Aug-15	06-Jan-14		55																									
Civil		424	01-Jul-15	15-Aug-15	06-Jan-14		55																									
Earth Works		141			12-Apr-14	22-Oct-14																										
Concrete Works		173			07-Jan-14	20-Aug-14																										
Building Works		325	01-Jul-15	15-Aug-15	16-Apr-14		55																									
Roads Works		97			08-Apr-15	02-Jun-15																										
Miscellaneous		325	01-Jul-15	15-Aug-15	06-Jan-14		-2																									
Mechanical		389	01-Jul-15	18-Aug-15	06-Jan-14		55																									
Local Manufacturer		384	01-Jul-15	12-Aug-15	10-Feb-14		60																									
Abroad Manufacturer (Long Lead Items)		373	01-Jul-15	18-Aug-15	06-Jan-14		42																									
Electrical		418	01-Jul-15	12-Aug-15	06-Feb-14		12																									
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)		392	01-Jul-15	12-Aug-15	10-Mar-14		12																									
Local Manufacturer		418	01-Jul-15	12-Aug-15	06-Feb-14		8																									
Shop Drawings		427	01-Jul-15	18-Aug-15	17-Dec-13		41																									
Civil		422	01-Jul-15	12-Aug-15	17-Dec-13		46																									
Mechanical		262	01-Jul-15	18-Aug-15	22-Jun-14		36																									
Electrical		398	01-Jul-15	06-Aug-15	20-Feb-14		10																									
Methods Statement & Work Plans		488	01-Jul-15	31-Oct-15	14-Nov-13		-8																									
Civil		444	01-Jul-15	06-Aug-15	14-Nov-13		19																									
Mechanical		86	01-Jul-15	30-Aug-15	09-Feb-15		23																									
Electrical		221	01-Jul-15	31-Oct-15	15-Jan-15		-8																									
Post Construction Submittals		0	21-Nov-15	21-Nov-15			-9																									
Procurement		312	01-Jul-15	14-Oct-15	01-Jul-14		27																									
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		328	01-Jul-15	07-Sep-15	02-Aug-14		38																									
Material Order, Manufacture & Delivery		328	01-Jul-15	07-Sep-15	02-Aug-14		38																									
Electrical Equipment		207	01-Jul-15	07-Sep-15	18-Dec-14		38																									
Mechanical Equipment		195	01-Jul-15	23-Jul-15	02-Aug-14		45																									
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		288	01-Jul-15	07-Sep-15	02-Aug-14		-14																									
Material Order, Manufacture & Delivery		288	01-Jul-15	07-Sep-15	02-Aug-14		-14																									
Electrical Equipment		207	01-Jul-15	07-Sep-15	18-Dec-14		-14																									
Mechanical Equipment		181	01-Jul-15	23-Jul-15	02-Aug-14		28																									
Steel Pipes,Fittings&Valves		75	01-Jul-15	10-Aug-15	01-Jul-14		74																									
Material Order & Manufacture		72	01-Jul-15	10-Aug-15	01-Jul-14		74																									
All Needed Pipes,Steel Pipes & Fittings		60			01-Jul-14	26-Mar-15																										
Valves		81	01-Jul-15	10-Aug-15	04-Dec-14		83																									
Material Delivery		35	01-Jul-15	08-Jul-15	15-Dec-14		68																									
All Needed Pipes,Steel Pipes & Fittings		12			15-Mar-15	28-Mar-15																										
Valves		12	01-Jul-15	08-Jul-15	15-Dec-14		76																									
Arrabah Additional Booster Pumps and VFD VO6		204	01-Jul-15	14-Oct-15	12-May-15		0																									
New Chlorination System VO6		100	01-Jul-15	26-Aug-15	24-May-15		-5																									
Execution Phase		568	01-Jul-15	21-Nov-15	24-Oct-13		0																									
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		450	01-Jul-15	21-Nov-15	24-Oct-13		0																									
Mobilization for P1		24			24-Oct-13	08-Jan-14																										
P1 - Arraba Well Pump Station Rehabilitation		63			25-Dec-13	06-Jun-14																										

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



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	A	M	J	J	A	S	O	N
	Design Review After Well Development Results	151			14-Mar-14	19-Jun-14																									
	Geophysical Logging Final Acceptance	1			14-Mar-14	27-May-14																									
	P1 - Arraba Well Pump Station Infrastructure Improvement	420	01-Jul-15	01-Nov-15	30-Dec-13		15																								
	Demolishing,Site Development,Apply Safety Measurements&Site Preparation	381	01-Jul-15	16-Jul-15	30-Dec-13		49																								
	Construction of New Pump Station	390	01-Jul-15	01-Nov-15	17-Mar-14		15																								
	Retaining Walls	103	01-Jul-15	02-Jul-15	30-Mar-14		114																								
	Retaining Wall Group # 1 (St.36+40 to St.55+60)	81	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	81	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Retaining Wall Group # 2 (St.55+60 to St.78+80)	41	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	41	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Retaining Wall Group # 3 (St.78+80 to St.102+00)	76	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	76	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Boundary Wall Group # 4 A -(St-102+00 to St.126+80)	83	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	83	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Boundary Wall Group # 4 B -(St.126+80 to St.140+20)	89	01-Jul-15	02-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	89	01-Jul-15	02-Jul-15	23-Apr-14		114																								
	Retaining Wall Group # 5 -(St. 30+40 to St.36+40)	77	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	23-Apr-14		114																								
	Retaining Wall Group # 6 -(St.00+00 to St.30+40)	77	01-Jul-15	01-Jul-15	20-May-14		58																								
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	20-May-14		58																								
	Retaining Wall Group # 6 -(St.00+00 to St.0-018)	77	01-Jul-15	01-Jul-15	30-Mar-14		88																								
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	30-Mar-14		88																								
	Balance Tank 1000 m3	392	01-Jul-15	06-Oct-15	16-Jul-14		13																								
	Civil & Structural Works	235	01-Jul-15	16-Jul-15	16-Jul-14		37																								
	Finishing Works	171	20-Aug-15	08-Sep-15	08-Dec-14		13																								
	Metal Fabricated Works	117			03-Feb-15	24-May-15																									
	Mechanical Works	41	01-Jul-15	04-Aug-15	18-Apr-15		61																								
	Electrical & Instrumentation Works	290	18-Aug-15	03-Oct-15	09-Sep-14		13																								
	Test Water Tightness For Reservoir	3	03-Oct-15	06-Oct-15			13																								
	Booster Pump System	317	01-Jul-15	01-Nov-15	17-Mar-14		-9																								
	Civil & Structural Works	237	01-Jul-15	27-Jul-15	17-Mar-14		36																								
	Steel Structure & Metal Works	45	22-Jul-15	12-Sep-15			11																								
	Mechanical Works	80	28-Jul-15	01-Nov-15			-9																								
	Electrical & Instrumentation Works	89	01-Jul-15	01-Nov-15	02-Jun-15		-9																								
	Additional Booster Pumps and VFD - VO6	6	15-Oct-15	21-Oct-15			0																								
	Coatings & Finishing Works	14	07-Sep-15	27-Sep-15			21																								
	Septic & Seepage Tank	59	01-Jul-15	14-Sep-15			29																								
	Civil & Structural Works	59	01-Jul-15	14-Sep-15			29																								
	Plumbing Works	28	12-Aug-15	14-Sep-15			24																								
	Finishing Works	7	30-Aug-15	07-Sep-15			21																								
	Electrical & Control Building	206	23-Jul-15	14-Oct-15	19-Jan-15		9																								
	Civil & Structural Works	81			19-Jan-15	30-Mar-15																									
	Finishing Works	103	23-Jul-15	07-Sep-15	04-Apr-15		30																								
	Mechanical Works	30	31-Aug-15	08-Oct-15			6																								
	Electrical & Instrumentation Works	183	15-Aug-15	12-Oct-15	28-Jan-15		11																								
	HVAC-Plumping	5	08-Oct-15	14-Oct-15			6																								
	Chlorination & Storage Building VO6	188	01-Jul-15	06-Sep-15	03-Dec-14		33																								
	Civil & Structural Works	118			03-Dec-14	02-May-15																									
	Finishing Works	37	01-Jul-15	17-Aug-15	20-May-15		43																								
	Mechanical Works	128	25-Aug-15	31-Aug-15	15-Mar-15		41																								
	Electrical & Instrumentation Works	91	01-Jul-15	03-Sep-15	15-Mar-15		38																								
	HVAC-Plumping	5	31-Aug-15	06-Sep-15			36																								
	Spare Parts and Tools for Chlorination System	7	27-Aug-15	02-Sep-15			49																								
	Living Quarters Building	216	01-Jul-15	29-Aug-15	29-Nov-14		51																								
	Civil & Structural Works	128			29-Nov-14	10-Feb-15																									
	Finishing Works	140	01-Jul-15	20-Aug-15	15-Feb-15		43																								
	Mechanical Works	40	01-Jul-15	23-Aug-15			43																								
	Electrical & Instrumentation Works	162	15-Aug-15	19-Aug-15	17-Dec-14		51																								
	HVAC-Plumping	19	06-Aug-15	29-Aug-15			51																								

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



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

ARW 22.2 “S” Curve

DISCLAIMER:

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

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,316,976.57
Original Total Contract Value Less Day Work VOM:	\$5,315,792.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	593 CD
Revised Duration VOM:	577 CD
Revised Contract Duration VOM:	740 CD
Completion Date:	17-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Date Data:	12-May-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur):	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,027,158.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,522.54
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	593 CD
Revised Duration of Contract as per VO #4:	577 CD
Revised Duration of Contract as per VO #6:	740 CD
Completion Date:	17-Apr-15
Revised Completion Date as per VO #4:	22-May-15
Revised Completion Date as per VO #6:	10-Nov-15
Date Data:	12-May-15

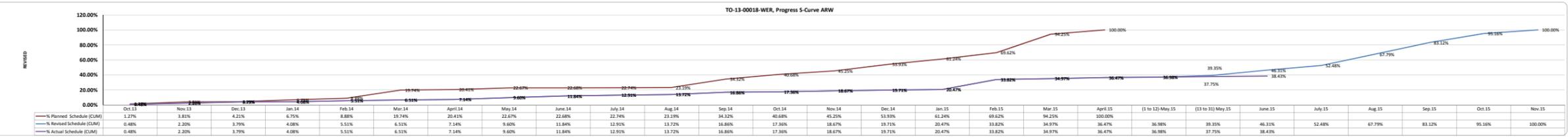
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,935.00
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$493,935.00
Revised Total Contract Value Less Day Work as per VO #3:	\$493,935.00
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Revised Duration of Contract as per VO #2:	120 CD
Revised Duration of Contract as per VO #2:	120 CD
Completion Date:	12-May-15

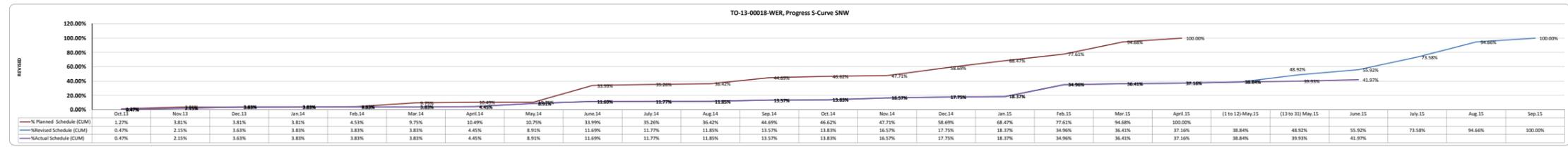
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

USD	
Total Contract Value Less Day Work:	\$14,027,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,727,856.91
Revised Total Contract Value Less Day Work:	\$13,904,554.73
Day Work Value as per VO #3:	\$471,903.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$471,903.18
Total Contract Value Including Day Work:	\$14,727,856.91
Revised Total Contract Value without Day Work for Task Order (VO #4):	\$13,904,554.73
Revised Day Work Amount (VO #4):	\$471,903.18
Total Contract Value Less Day Work VOM:	\$13,659,882.50
Day Work Value VOM:	\$1,061,979.50
Total Contract Value Including Day Work VOM:	\$14,727,856.91

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	[1 to 12] May.15	[13 to 31] May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	TOTAL
Planned Schedule Value	\$82,755.18	\$165,510.37	\$248,265.55	\$331,020.74	\$413,776.03	\$496,531.32	\$579,286.61	\$662,041.90	\$744,797.19	\$827,552.48	\$910,307.77	\$993,063.06	\$1,075,818.35	\$1,158,573.64	\$1,241,328.93	\$1,324,084.22	\$1,406,839.51	\$1,489,594.80	\$1,572,350.09	\$1,655,105.38	\$1,737,860.67	\$1,820,615.96	\$1,903,371.25	\$1,986,126.54	\$2,068,881.83	\$2,151,637.12	\$2,234,392.41	\$2,317,147.70
% Planned Schedule (CUM)	1.27%	2.54%	3.81%	5.08%	6.35%	7.62%	8.89%	10.16%	11.43%	12.70%	13.97%	15.24%	16.51%	17.78%	19.05%	20.32%	21.59%	22.86%	24.13%	25.40%	26.67%	27.94%	29.21%	30.48%	31.75%	33.02%	34.29%	35.56%
% Revised Schedule (CUM)	0.48%	0.96%	1.44%	1.92%	2.40%	2.88%	3.36%	3.84%	4.32%	4.80%	5.28%	5.76%	6.24%	6.72%	7.20%	7.68%	8.16%	8.64%	9.12%	9.60%	10.08%	10.56%	11.04%	11.52%	12.00%	12.48%	12.96%	13.44%
% Actual Schedule (CUM)	0.48%	0.96%	1.44%	1.92%	2.40%	2.88%	3.36%	3.84%	4.32%	4.80%	5.28%	5.76%	6.24%	6.72%	7.20%	7.68%	8.16%	8.64%	9.12%	9.60%	10.08%	10.56%	11.04%	11.52%	12.00%	12.48%	12.96%	13.44%



	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	[1 to 12] May.15	[13 to 31] May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	TOTAL
Planned Schedule Value	\$89,031.76	\$178,063.52	\$267,095.28	\$356,127.04	\$445,158.80	\$534,190.56	\$623,222.32	\$712,254.08	\$801,285.84	\$890,317.60	\$979,349.36	\$1,068,381.12	\$1,157,412.88	\$1,246,444.64	\$1,335,476.40	\$1,424,508.16	\$1,513,539.92	\$1,602,571.68	\$1,691,603.44	\$1,780,635.20	\$1,869,666.96	\$1,958,698.72	\$2,047,730.48	\$2,136,762.24	\$2,225,794.00	\$2,314,825.76	\$2,403,857.52	\$2,492,889.28
% Planned Schedule (CUM)	1.27%	2.54%	3.81%	5.08%	6.35%	7.62%	8.89%	10.16%	11.43%	12.70%	13.97%	15.24%	16.51%	17.78%	19.05%	20.32%	21.59%	22.86%	24.13%	25.40%	26.67%	27.94%	29.21%	30.48%	31.75%	33.02%	34.29%	35.56%
% Revised Schedule (CUM)	0.47%	0.94%	1.41%	1.88%	2.35%	2.82%	3.29%	3.76%	4.23%	4.70%	5.17%	5.64%	6.11%	6.58%	7.05%	7.52%	7.99%	8.46%	8.93%	9.40%	9.87%	10.34%	10.81%	11.28%	11.75%	12.22%	12.69%	13.16%
% Actual Schedule (CUM)	0.47%	0.94%	1.41%	1.88%	2.35%	2.82%	3.29%	3.76%	4.23%	4.70%	5.17%	5.64%	6.11%	6.58%	7.05%	7.52%	7.99%	8.46%	8.93%	9.40%	9.87%	10.34%	10.81%	11.28%	11.75%	12.22%	12.69%	13.16%



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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,316,976.57
Original Total Contract Value Less Day Work:	\$5,315,795.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	360 CD
Revised Contract Duration VOM:	377 CD
Revised Contract Duration VOM:	740 CD
Completion Date:	27-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	12-May-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,077,158.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,522.84
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	360 CD
Original Completion Date:	27-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Data Date:	12-May-15

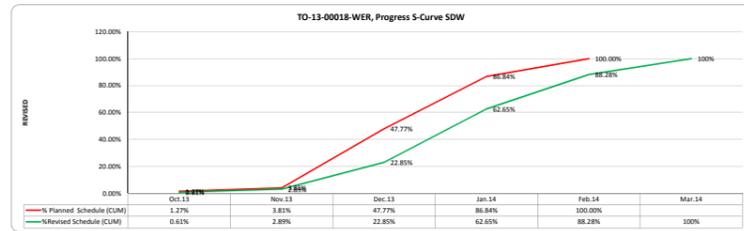
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,534.88
Original Total Contract Value without Day Work for Project 3 (Saadeh)	\$493,535.00
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	12-Mar-14
Data Date:	12-May-15

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

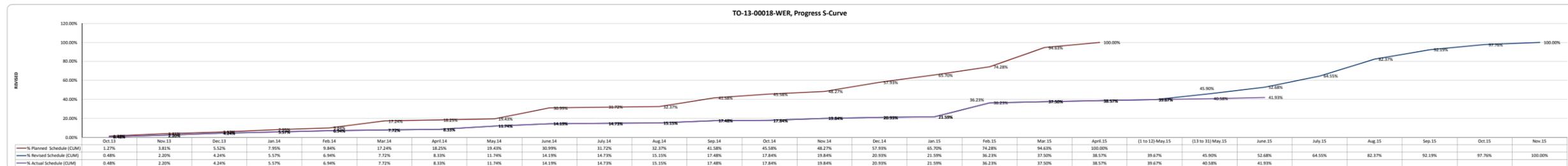
USD	
Total Contract Value Less Day Work:	\$14,027,856.91
Day Work Value:	\$900,000.00
Total Contract Value Including Day Work:	\$14,927,856.91
Revised Total Contract Value Less Day Work:	\$13,366,554.73
Day Work Value as per VO #3:	\$412,900.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.36
Day Work Value:	\$471,394.65
Total Contract Value Including Day Work:	\$14,521,857.01

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	TOTAL
Planned Schedule Value	\$6,268.38	\$12,536.76	\$216,882.41	\$192,873.25	\$64,974.18		\$493,634.98
Revised Schedule Value (CUM)	\$5,484.83	\$18,805.14	\$248,937.64	\$488,938.69	\$493,634.98		\$493,634.98
Planned Schedule Value	\$2,309.40	\$4,618.79	\$76,132.68	\$187,777.68	\$96,435.62	\$44,110.63	\$376,334.82
Revised Schedule Value (CUM)	\$2,309.40	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82	\$376,334.82
% Planned Schedule (CUM)	1.27%	2.54%	43.96%	39.07%	13.16%		100%
% Revised Schedule (CUM)	1.27%	3.81%	41.77%	86.48%	100.00%		100%
% Revised Schedule	0.61%	2.28%	19.96%	39.80%	25.63%	11.72%	100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



PROGRESS S-CURVE & CASH FLOW SCHEDULE

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	June-14	July-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL	
Planned Schedule Value	\$178,055.32	\$156,110.65	\$239,531.63	\$340,863.76	\$216,438.41	\$1,036,568.88	\$1,427,064.08	\$1,615,782.18	\$1,621,107.65	\$1,515,526.35	\$1,291,207.84	\$1,117,117.67	\$977,098.76	\$833,337.89	\$713,337.89	\$613,337.89	\$533,337.89	\$463,337.89	\$403,337.89	\$353,337.89	\$313,337.89	\$273,337.89	\$233,337.89	\$193,337.89	\$153,337.89	\$113,337.89	\$73,337.89	\$14,027,856.91
Revised Schedule Value (CUM)	\$178,055.32	\$334,165.87	\$773,697.40	\$1,114,561.36	\$2,150,197.13	\$2,557,813.97	\$2,776,192.54	\$2,962,502.65	\$3,131,504.36	\$3,242,262.83	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$3,293,487.84	\$13,366,554.73
Planned Schedule Value	\$65,599.25	\$234,312.99	\$278,325.90	\$182,267.20	\$186,694.01	\$107,220.80	\$83,311.82	\$465,696.06	\$335,282.18	\$73,205.49	\$56,733.15	\$18,504.21	\$49,749.62	\$272,785.58	\$148,494.87	\$91,053.62	\$1,999,173.49	\$173,344.17	\$146,890.49	\$149,268.84	\$851,691.86	\$926,681.98	\$1,620,477.77	\$2,435,047.32	\$1,340,931.45	\$761,109.39	\$305,728.79	\$13,659,882.50
Revised Schedule Value (CUM)	\$65,599.25	\$300,212.24	\$578,538.14	\$760,805.34	\$947,499.35	\$1,054,720.15	\$1,138,031.97	\$1,603,728.03	\$1,939,010.21	\$2,012,215.70	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85	\$2,068,948.85
Actual Schedule Value (CUM)																												
% Planned Schedule	1.27%	2.54%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	11.96%	0.72%	0.65%	0.21%	4.00%	2.09%	0.81%	7.77%	8.58%	20.35%	5.37%									100.00%
% Revised Schedule (CUM)	1.27%	3.81%	5.32%	7.95%	9.84%	17.24%	18.35%	19.43%	30.99%	32.37%	32.37%	32.37%	41.58%	48.37%	57.93%	65.70%	74.28%	84.63%	100.00%									100.00%
% Revised Schedule	0.48%	1.72%	1.37%	1.33%	0.78%	0.81%	0.12%	3.41%	2.45%	0.42%	0.42%	1.27%	2.33%	2.00%	1.09%	0.67%	14.64%	1.08%	1.09%	1.09%	6.23%	6.78%	11.86%	17.83%	9.82%	5.57%	2.24%	100.00%
% Revised Schedule (CUM)	0.48%	2.20%	4.24%	5.57%	6.34%	7.22%	8.33%	11.74%	14.19%	14.73%	15.15%	17.48%	17.84%	19.84%	20.93%	21.99%	36.23%	37.50%	38.57%	39.67%	45.90%	52.68%	64.55%	82.37%	92.19%	97.76%	100.00%	100.00%
% Actual Schedule																												
% Actual Schedule (CUM)																												



ARW 22.3 Site Memos 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.

Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
--------	---------------------	---------------	---------------	----------

There were no site memos issued during the reporting period

ARW 22.4 Material & Equipment Delivered to Site 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.

Material Log

Task Order:		AID-294-TO-13-00018		
Project:		Wells Rehabilitation Project		
Sub-project		Arraba Well Pump Station Rehabilitation and Infrastructure Improvements		
Item	Date	Description	Oty	Location
1	June 1, 2015	Galvanized steel frame	3 Pcs	Arraba Well
2	June 3, 2015	Single size aggregate	20 m ³	Arraba Well
3	June 4, 2015	Single size aggregate	20 m ³	Arraba Well
4		Concrete B350	4 m ³	Electrical Manholes MHP03 and MHS05 Foundation and Duct Bank DBS-10 from Electrical Control Building to MHS05
5	June 8, 2015	Single size aggregate	20 m ³	Arraba Well
6		Concrete B350	2.5 m ³	Electrical Manhole MHS02 Foundation and Electrical Duct Bank Encasement DBP-1 and DBS-1
7	June 10, 2015	Single size aggregate	20 m ³	Arraba Well
8		Concrete B350	13 m ³	Electrical Manhole MHP04 and MHP05 Foundation, MHP03 and MHS05 Walls, Duct bank DBP-12 and Duct Bank DBP-3
9	June 11, 2015	Concrete B350	8 m ³	Electrical Manhole MHP02 Foundation and Duct Bank DBP-2
10	June 14, 2015	Concrete B350	5 m ³	Duct Bank DBP-9
11	June 15, 2015	Concrete B350	7 m ³	Electrical Manholes MHP02, MHP04, MHP05 walls and MHS04 Roof Slab
12	June 17, 2015	Concrete B350	5 m ³	Electrical Manhole MHP02 Walls and Duct Bank DBS-2
13	June 23, 2015	Concrete B300	6 m ³	Electrical Duct Bank DBS-7
14	June 29, 2015	Concrete B350	9 m ³	Electrical Manholes MHP01, MHP02, MHP03, MHP04, MHP05, MHS01, MHS02, MHS03, and MHS05 roof slab

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
1	June 1, 2015	JCB Back Hole-1993-1	1	4	
2		Steel Compactor			1
3		Mercedes 416-2002	1	8	
4		Level			1
5		Total Station			1
6		Concrete Vibrator			1
7	June 2, 2015	JCB Back Hole-1993-1	1	8	
8		Steel Compactor			1
9		Mercedes 416-2002	1	8	
10		Tractor	1	8	
11		Level			1
12		Total Station			1
13	Concrete Vibrator			1	
14	June 3, 2015	JCB Back Hole-1993-1	1	8	
15		Steel Compactor			1
16		Mercedes 416-2002	1	8	
17		Level			1
18		Total Station			1
19		Concrete Vibrator			1
20	June 4, 2015	JCB Back Hole-1993-1	1	3	
21		Steel Compactor			1
22		Mercedes 416-2002	1	8	
23		Level			1
24		Total Station			1
25		Concrete Vibrator	1	1	
26	June 5, 2015	JCB Back Hole-1993-1			1
27		Steel Compactor			1
28		Mercedes 416-2002			
29		Level			1
30		Total Station			1
31		Concrete Vibrator			1
32	June 6, 2015	JCB Back Hole-1993-1	1	8	
33		Steel Compactor			1
34		Mercedes 416-2002	1	8	
35		Tractor	1	8	
36		Level			1
37		Total Station			1
38	Concrete Vibrator			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
39	June 7, 2015	JCB Back Hole-1993-1			1
40		Steel Compactor			1
41		Mercedes 416-2002	1	8	
42		Level			1
43		Total Station			1
44		Concrete Vibrator			1
45	June 8, 2015	JCB Back Hole-1993-1	1	3	
46		Steel Compactor			1
47		Mercedes 416-2002	1	8	
48		Tractor	1	3	
49		Level			1
50		Total Station			1
51		Concrete Vibrator	1	1	
52	June 9, 2015	JCB Back Hole-1993-1	1	8	
53		Steel Compactor			1
54		Mercedes 416-2002	1	8	
55		Tractor	1	8	
56		Level			1
57		Total Station			1
58		Concrete Vibrator			1
59	June 10, 2015	JCB Back Hole-1993-1	1	5	
60		Steel Compactor			1
61		Mercedes 416-2002	1	8	
62		Tractor	1	5	
63		Level			1
64		Total Station			1
65		Concrete Vibrator	1	2	
66	June 11, 2015	JCB Back Hole-1993-1			1
67		Steel Compactor			1
68		Mercedes 416-2002	1	8	
69		Level			1
70		Total Station			1
71		Concrete Vibrator	1	1	
72	June 12, 2015	JCB Back Hole-1993-1			1
73		Steel Compactor			1
74		Level			1
75		Total Station			1
76		Concrete Vibrator			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
77	June 13, 2015	JCB Back Hole-1993-1			1
78		Steel Compactor			1
79		Mercedes 416-2002	1	8	
80		Level			1
81		Total Station			1
82		Concrete Vibrator			1
83	June 14, 2015	JCB Back Hole-1993-1	1	3	
84		Steel Compactor			1
85		Mercedes 416-2002	1	8	
86		Level			1
87		Total Station			1
88		Concrete Vibrator	1	1	
89	June 15, 2015	JCB Back Hole-1993-1	1	3	
90		Steel Compactor			1
91		Mercedes 416-2002	1	8	
92		Level			1
93		Total Station			1
94		Concrete Vibrator	1	1	
95	June 16, 2015	JCB Back Hole-1993-1	1	5	
96		Steel Compactor			1
97		Mercedes 416-2002	1	8	
98		Level			1
99		Total Station			1
100		Concrete Vibrator			1
101	June 17, 2015	JCB Back Hole-1993-1			1
102		Steel Compactor			1
103		Mercedes 416-2002	1	8	
104		Level			1
105		Total Station			1
106		Concrete Vibrator	1	1	
107	June 18, 2015	JCB Back Hole-1993-1	1	8	
108		Steel Compactor			1
109		Mercedes 416-2002	1	8	
110		Tractor	1	4	
111		Level			1
112		Total Station			1
113		Concrete Vibrator			1
114		JCB Back Hole-1993-1			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
115	June 19, 2015	Steel Compactor			1
116		Level			1
117		Total Station			1
118		Concrete Vibrator			1
119	June 20, 2015	JCB Back Hole-1993-1	1	4	
120		Steel Compactor			1
121		Mercedes 416-2002	1	8	
122		Level			1
123		Total Station			1
124		Concrete Vibrator			1
125	June 21, 2015	JCB Back Hole-1993-1			1
126		Steel Compactor			1
127		Mercedes 416-2002	1	8	
128		Level			1
129		Total Station			1
130		Concrete Vibrator			1
131	June 22, 2015	JCB Back Hole-1993-1			1
132		Steel Compactor			1
133		Mercedes 416-2002	1	8	
134		Level			1
135		Total Station			1
136		Concrete Vibrator			1
137	June 23, 2015	JCB Back Hole-1993-1	1	2	
138		Steel Compactor			1
139		Mercedes 416-2002	1	8	
140		Level			1
141		Total Station			1
142		Concrete Vibrator	1	1	
143	June 24, 2015	JCB Back Hole-1993-1	1	3	
144		Steel Compactor			1
145		Mercedes 416-2002	1	8	
146		Level			1
147		Total Station			1
148		Concrete Vibrator			1
149	June 25, 2015	JCB Back Hole-1993-1			1
150		Steel Compactor			1
151		Mercedes 416-2002	1	8	
152		Level			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
153	June 26, 2015	Total Station			1
154		Concrete Vibrator			1
155		JCB Back Hole-1993-1			1
156		Steel Compactor			1
157		Level			1
158		Total Station			1
159	June 27, 2015	Concrete Vibrator			1
160		JCB Back Hole-1993-1	1	4	
161		Steel Compactor			1
162		Mercedes 416-2002	1	8	
163		Level			1
164		Total Station			1
165	June 28, 2015	Concrete Vibrator			1
166		JCB Back Hole-1993-1			1
167		Steel Compactor			1
168		Mercedes 416-2002	1	8	
169		Level			1
170		Total Station			1
171	June 29, 2015	Concrete Vibrator			1
172		JCB Back Hole-1993-1			1
173		Steel Compactor			1
174		Mercedes 416-2002	1	8	
175		Level			1
176		Total Station			1
177	June 30, 2015	Concrete Vibrator	1	2	
178		JCB Back Hole-1993-1			1
179		Steel Compactor			1
180		Mercedes 416-2002	1	8	
181		Level			1
182		Total Station			1
183	June 30, 2015	Concrete Vibrator			1

ARW 22.5 Inspection Requests Log

DISCLAIMER:

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

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

Inspection Requests Log

IRD/BV

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

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-052-B	June 4, 2015	June 4, 2015	Inspecting bladder hydro-pneumatic tank as per attached MRR	June 4, 2015	No Exceptions Noted		
IR-13-00018-WER-056-B	June 17, 2015	June 17, 2015	Inspecting Full Face Gasket as per attached MRR	June 17, 2015	No Exceptions Noted		
IR-13-00018-WER-059-A	June 1, 2015	June 1, 2015	Inspecting float level switches as per attached MRR	June 1, 2015	No Exceptions Noted		
IR-13-00018-WER-060-A	June 14, 2015	June 14, 2015	Inspecting wall tiles as per attached MRR	June 14, 2015	No Exceptions Noted		
IR-13-00018-WER-061-A	June 14, 2015	June 14, 2015	Inspecting cable and cable lugs as per attached MRR	June 14, 2015	No Exceptions Noted		
IR-13-00018-WER-062-A	June 16, 2015	June 17, 2015	Inspecting floor tiles as per attached MRR	June 17, 2015	Amend - Resubmit		
IR-13-00018-WER-063-A	June 16, 2015	June 17, 2015	Inspecting walls and floor tiles as per attached MRR	June 17, 2015	No Exceptions Noted		
IR-13-00018-WER-064-A	June 24, 2015	June 24, 2015	Inspecting manhole cover and frame as per attached MRR	June 24, 2015	Amend - Resubmit		
IR-13-00018-WER-065-A	June 29, 2015	June 29, 2015	Inspecting magnetic flow meter as per attached MRR	June 29, 2015	Amend - Resubmit		

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

Inspection Requests Log

IRD/BV

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

Project: Wells Rehabilitation Project

Sender/ Recipient		IRD/BV		1st Inspection			2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade	
IR-13-00018-ARW-314-B	June 10, 2015	June 10, 2015	Inspecting second plastering coat for internal and external walls and ceiling of electrical metering room prior applying the final plastering coat	June 10, 2015	No Exceptions Noted			
IR-13-00018-ARW-315-B	June 10, 2015	June 11, 2015	Inspecting second plastering coat for internal and external walls and ceiling of living quarter room prior applying the final plastering coat	June 11, 2015	Amend and Resubmit			
IR-13-00018-ARW-327-B	June 30, 2015	June 30, 2015	Inspect the Proposed new Location of Seepage Pit and Septic Tank according to R.F.I#75	June 30, 2015	No Exceptions Noted			
IR-13-00018-ARW-364-A	June 1, 2015	June 1, 2015	Inspecting Galvanized Steel Door Frames as per attached MRR	June 1, 2015	No Exceptions Noted			
IR-13-00018-ARW-365-A	June 1, 2015	June 1, 2015	Inspecting the location of electrical manhole (MHS-5- E10) and (MHP-4-E1) prior to start excavation as per marked drawing	June 1, 2015	No Exceptions Noted			
IR-13-00018-ARW-366-A	June 2, 2015	June 2, 2015	Inspect the surface preparation for foundation and walls of Electrical manholes (MHS-04-E3) and (MHS-03-E4) prior to apply first Nito proof layer	June 2, 2015	No Exceptions Noted			
IR-13-00018-ARW-367-A	June 2, 2015	June 2, 2015	Inspect the excavation level of the electrical manhole MHP-4-E1, level=264.50 prior applying single size bedding	June 2, 2015	No Exceptions Noted			
IR-13-00018-ARW-368-A	June 2, 2015	June 2, 2015	Inspecting location of electrical manhole (MHP-2- E9), (MHS-2- E8) and (MHP-5- E2) Prior to start excavation according to attached drawing	June 2, 2015	No Exceptions Noted			
IR-13-00018-ARW-369-A	June 2, 2015	June 2, 2015	Inspecting the scratch coat of plastering for the ceiling of chlorination room prior to applying the brown coat	June 2, 2015	No Exceptions Noted			
IR-13-00018-ARW-370-A	June 2, 2015	June 2, 2015	Inspect the surface preparation for foundation and walls of washout water manhole prior to apply first Nito proof layer	June 2, 2015	No Exceptions Noted			
IR-13-00018-ARW-371-A	June 3, 2015	June 3, 2015	Inspect the first Nito proof coat for foundation and walls of main washout manhole prior to apply second Nito proof layer	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-372-A	June 3, 2015	June 3, 2015	Inspect the installation of electrical duct bank DBS-10, (part 1) prior concrete casting as per marked drawing	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-373-A	June 3, 2015	June 3, 2015	Inspect the single size bedding level of the electrical manholes MHP-4-E1 (Level =264.75m) prior execution the formwork and reinforcement steel	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-374-A	June 3, 2015	June 3, 2015	Inspect the excavation level of the electrical manhole MHS-2-E8, (level=264.10) and MHP-2-E9,(level=264.10) prior applying single size bedding	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-375-A	June 3, 2015	June 3, 2015	Inspect the first Nito proof coat for foundation and walls of Electrical manholes (MHS-04-E3) and (MHS-03-E4) prior to apply second Nito proof layer	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-376-A	June 3, 2015	June 3, 2015	Inspect the excavation level of the electrical manhole MHS-5-E10, level=264.85 prior applying single size bedding	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-377-A	June 3, 2015	June 3, 2015	Inspect the Second Nito proof coat for foundation and walls of main washout manhole, electrical manholes (MHS-03-E4) and (MHS-04-E3) prior to apply backfilling	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-378-A	June 3, 2015	June 3, 2015	Inspect the single size bedding level of the electrical manholes (MHS-5-E10 (Level=265.15m) , MHS-2-E8 (Level=264.40m) and MHP-2-E9 (Level=264.40m) prior execution foundation formwork and reinforcement steel	June 3, 2015	No Exceptions Noted			
IR-13-00018-ARW-379-A	June 4, 2015	June 4, 2015	Inspect the formwork and reinforcement steel for the electrical manholes foundation(MHS-5-E10) and (MHP-3-E5) prior concrete casting	June 4, 2015	No Exceptions Noted			
IR-13-00018-ARW-380-A	June 8, 2015	June 8, 2015	Inspect the excavation level of the electrical manhole MHP-5-E2, level=264.60 prior applying single size bedding	June 8, 2015	No Exceptions Noted			
IR-13-00018-ARW-381-A	June 8, 2015	June 8, 2015	Inspect the single size bedding level of the electrical manholes (MHP-5-E2 Level=264.9m) prior execution the formwork and reinforcement steel	June 8, 2015	No Exceptions Noted			
IR-13-00018-ARW-382-A	June 8, 2015	June 8, 2015	Inspect the formwork and reinforcement steel for the electrical manholes foundation (MHS-02-E8 and MHP-04-E1) prior to concrete casting	June 8, 2015	No Exceptions Noted			
IR-13-00018-ARW-383-A	June 9, 2015	June 9, 2015	Inspect the formwork and reinforcement steel for the electrical manholes foundation (MHP-05-E2) prior to concrete casting	June 9, 2015	No Exceptions Noted			
IR-13-00018-ARW-384-A	June 9, 2015	June 9, 2015	Inspect the formwork and reinforcement steel for the electrical manholes walls (MHP-03-E5) and (MHS-5-E10) prior to concrete casting	June 9, 2015	No Exceptions Noted			
IR-13-00018-ARW-385-A	June 9, 2015	June 10, 2015	Inspect the installation of electrical duct bank DBP-3, DBP-12 prior concrete casting as per marked drawing	June 10, 2015	No Exceptions Noted			
IR-13-00018-ARW-386-A	June 10, 2015	June 11, 2015	Inspecting galvanized Steel Door Frame as per attached MRR	June 11, 2015	No Exceptions Noted			

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

Inspection Requests Log

IRD/BV

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

Project: Wells Rehabilitation Project

Sender/ Recipient		IRD/BV		1st Inspection			2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade	
IR-13-00018-ARW-387-A	June 10, 2015	June 11, 2015	Inspecting installation of coping marble for the parapet of Electrical Control Building	June 11, 2015	No Exceptions Noted			
IR-13-00018-ARW-388-A	June 10, 2015	June 11, 2015	Inspecting installation of coping marble for the parapet of Chlorination Building	June 11, 2015	No Exceptions Noted			
IR-13-00018-ARW-389-A	June 10, 2015	June 11, 2015	Inspecting the brown coat of plastering for the ceiling of chlorination room prior to applying final coat	June 11, 2015	No Exceptions Noted			
IR-13-00018-ARW-390-A	June 10, 2015	June 11, 2015	Inspect the formwork and reinforcement steel for the electrical manholes foundation (MHP-02-E9) prior to concrete casting	June 11, 2015	No Exceptions Noted			
IR-13-00018-ARW-391-A	June 10, 2015	June 11, 2015	Inspect the installation of electrical duct bank DBP-02 prior concrete casting as per marked drawing	June 11, 2015	No Exceptions Noted			
IR-13-00018-ARW-392-A	June 14, 2015	June 14, 2015	Inspect the installation of electrical duct bank DBP-09 prior concrete casting as per marked drawing	June 14, 2015	No Exceptions Noted			
IR-13-00018-ARW-393-A	June 15, 2015	June 15, 2015	Inspect the surface preparation for foundation and walls of Electrical manholes (MHP-03-E5) and (MHS-05-E10) prior to apply first Nito proof layer	June 15, 2015	No Exceptions Noted			
IR-13-00018-ARW-394-A	June 15, 2015	June 15, 2015	Inspect the formwork and reinforcement steel for the electrical manholes walls (MHP-04-E1), (MHS-02-E8) and (MHP-05-E2) prior to concrete casting	June 15, 2015	No Exceptions Noted			
IR-13-00018-ARW-395-A	June 15, 2015	June 15, 2015	Inspect the formwork and reinforcement steel for electrical manhole (MHS-04-E3) roof slab prior concrete casting	June 15, 2015	No Exceptions Noted			
IR-13-00018-ARW-396-A	June 16, 2015	June 16, 2015	Inspect the first Nito proof coat for foundation and walls of Electrical manholes (MHP-03-E5) and (MHS-05-E10) prior to apply second Nito proof layer	June 16, 2015	No Exceptions Noted			
IR-13-00018-ARW-397-A	June 16, 2015	June 16, 2015	Inspect the installation of electrical duct bank DBS-02 prior concrete casting as per marked drawing	June 16, 2015	No Exceptions Noted			
IR-13-00018-ARW-398-A	June 16, 2015	June 16, 2015	Inspect the Second Nito proof coat for foundation and walls of Electrical manholes (MHP-03-E5) and (MHS-05-E10) prior to apply backfilling	June 16, 2015	No Exceptions Noted			
IR-13-00018-ARW-399-A	June 17, 2015	June 17, 2015	Inspect the formwork and reinforcement steel for the electrical manholes walls (MHP-02-E9) prior to concrete casting	June 17, 2015	No Exceptions Noted			
IR-13-00018-ARW-400-A	June 21, 2015	June 21, 2015	Inspecting surface preparations for electrical manholes (MHS-02-E8, MHP-04-E1 and MHP-05-E2) walls and foundation prior Applying first damp proof layer	June 21, 2015	No Exceptions Noted			
IR-13-00018-ARW-401-A	June 22, 2015	June 22, 2015	Inspect the first Nito proof coat for foundation and walls of Electrical manholes (MHS-02-E8, MHP-04-E1 and MHP-05-E2) prior to apply second Nito proof layer	June 22, 2015	No Exceptions Noted			
IR-13-00018-ARW-402-A	June 22, 2015	June 22, 2015	Inspecting installation of electrical duct bank DBS-07 prior concrete casting as per marked drawing	June 22, 2015	No Exceptions Noted			
IR-13-00018-ARW-403-A	June 22, 2015	June 22, 2015	Inspect the Second Nito proof coat for foundation and walls of Electrical manholes MHS-02-E8, MHP-04-E1 and MHP-05-E2) prior to apply backfilling	June 22, 2015	No Exceptions Noted			
IR-13-00018-ARW-404-A	June 24, 2015	June 24, 2015	Inspecting formwork and reinforcement steel for roof slab of electrical manholes (MHP-03-E5, MHS-03-E4, MHP-05-E2 and MHS-05-E10) prior to concrete casting	June 24, 2015	No Exceptions Noted			
IR-13-00018-ARW-405-A	June 25, 2015	June 25, 2015	Inspecting formwork and reinforcement steel for roof slab of electrical manholes (MHP-04-E1) prior to concrete casting	June 25, 2015	No Exceptions Noted			
IR-13-00018-ARW-406-A	June 28, 2015	June 28, 2015	Inspecting surface preparations for electrical manhole (MHP-02-E9) walls and foundation prior applying first damp proof layer	June 28, 2015	No Exceptions Noted			
IR-13-00018-ARW-407-A	June 28, 2015	June 29, 2015	Inspect the first Nito proof coat for foundation and walls of Electrical manhole (MHP-02-E9) prior to apply second Nito proof layer	June 29, 2015	No Exceptions Noted			
IR-13-00018-ARW-408-A	June 29, 2015	June 29, 2015	Inspecting formwork and reinforcement steel for roof slab of electrical manholes (MHS-1-E6) and (MHP-1-E7) prior to concrete casting	June 29, 2015	No Exceptions Noted			
IR-13-00018-ARW-409-A	June 29, 2015	June 29, 2015	Inspecting formwork and reinforcement steel for roof slab of electrical manholes (MHS-2-E8) and (MHP-2-E9) prior to concrete casting	June 29, 2015	No Exceptions Noted			
IR-13-00018-ARW-410-A	June 30, 2015	June 30, 2015	Inspect concrete surface preparation for slab on grade of chlorination room prior applying first Nito proof layer	June 30, 2015	No Exceptions Noted			
IR-13-00018-ARW-411-A	June 30, 2015	July 1, 2015	Inspecting the location of booster pump area prior start foundation formwork and reinforcement steel					
IR-13-00018-ARW-412-A	June 30, 2015	July 1, 2015	Inspecting the Location of transformer pad prior start excavation					

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

Inspection Requests Log

IRD/BV

Task Order: AID-294-TO-13-00018
Project: Wells Rehabilitation Project

Sender/ Recipient		1st Inspection				2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-413-A	June 30, 2015	July 1, 2015	Inspecting the leveled (265.90m) and compacted substrata layer for transformer pad foundation prior to receive subgrade layer				
IR-13-00018-ARW-414-A	June 30, 2015	July 1, 2015	Inspecting vertical turbine well and booster pumps and pipes as per attached MRR				

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	PRODUCT DATA PD SHOP DRAWINGS AD ADMINISTRATIVE/OTHER TR TEST REPORT SCHEDULE SSM REPORT SMP SAMPLE CDD MATERIAL	Submittal Classification PCS CONS PETS	Description Construction Post construction	Identifiers WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SWV : Project 3 Identifier	Plan Submittal SUB-16-WER-061-A First RE-Submittal SUB-16-WER-061-B Second RE-Submittal SUB-16-WER-061-C	Resubmittal Alpha Identifier								Submittal Disposition/Color Coding								
						K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
SUB-00018-WER-527-B	Level Detection Switches-Conductance Probe		Section: 17107- Paragraph: 2.2	PD	CONS	SUB	WER									June 15, 2015	June 16, 2015	July 16, 2015	June 23, 2015	7	B	
SUB-00018-WER-834-C	Arraba Booster and Well Pumps + Samur Well Pump - Hydraulic Test Report		Section: 11103 & 11101	AD	CONS	SUB	WER									From main contractor directly	June 4, 2015	July 4, 2015	June 4, 2015	0	A	
SUB-00018-ARW-865-B	Transformer Pad Shop Drawings (Architectural & Structural) - Arraba		Section: 03300	SD	CONS	SUB	ARW									June 13, 2015	June 14, 2015	July 14, 2015	June 23, 2015	9	B	
SUB-00018-SNW-866-B	Transformer Pad Shop Drawings (Architectural & Structural) - Samur		Section: 03300	SD	CONS	SUB	SNW									June 1, 2015	June 1, 2015	July 1, 2015	June 8, 2015	7	B	
SUB-00018-WER-887-B	Panel Boards		16050: (2.2.2.2.2.3,2.4) 16470: (1.2,(2.1(A,B))-(2.2(A,B,C))	PD	CONS	SUB	WER									From main contractor directly	June 17, 2015	July 17, 2015	June 24, 2015	7	B	
SUB-00018-SNW-922-B	Field Density Compaction Test for Substrata - RW from Station (0+00 to 0+12.50) - Level 291.90m		Section: 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 3, 2015	July 3, 2015	June 4, 2015	1	A	
SUB-00018-SNW-923-B	Field Density Compaction Test for Subgrade - RW from Station (0+00 to 0+12.50) - Level 291.90m		Section: 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 3, 2015	July 3, 2015	June 4, 2015	1	A	
SUB-00018-WER-931-B	Motor Control Center Factory Drawings and Components		Section: 16485, 16480 & 16050	PD	CONS	SUB	WER									From main contractor directly	June 3, 2015	July 3, 2015	June 15, 2015	12	B	
SUB-00018-SNW-934-B	Field Density Compaction Test for Substrata - RW from Station (0+012.5 to 0+025) - Level 291.10m		Section 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 3, 2015	July 3, 2015	June 4, 2015	1	A	
SUB-00018-SNW-935-B	Field Density Compaction Test for Subgrade - RW from Station (0+012.5 to 0+025) - Level 291.30m		Section 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 3, 2015	July 3, 2015	June 4, 2015	1	A	
SUB-00018-SNW-936-B	Field Density Compaction Test for Base Course - RW from Station (0+000 to 0+012.5) - Level 292.30m		Section 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 3, 2015	July 3, 2015	June 4, 2015	1	A	
SUB-00018-ARW-964-B	Arraba Well Pump VFD Installation Shop Drawings - 300 HP		Section: 16457- Paragraph: 1.3	SD	CONS	SUB	ARW									From main contractor directly	June 2, 2015	July 2, 2015	June 4, 2015	2	B	
SUB-00018-ARW-970-B	Preliminary Operation & Maintenance Manuals/Section 1A/Vertical Turbine Well Pump		Section: 11101	AD	CONS	SUB	ARW									From main contractor directly	June 22, 2015	July 22, 2015				Pending
SUB-00018-SNW-1012-B	Preliminary Operation & Maintenance Manuals/ Section 1A/Vertical Turbine Well Pump - Samur		Section: 11101	AD	CONS	SUB	SNW									From main contractor directly	June 24, 2015	July 24, 2015				Pending
SUB-00018-WER-1023-B	Revised Original CPM Construction Schedule - May 12, 2015		Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER									From main contractor directly	June 2, 2015	July 2, 2015	June 4, 2015	2	B	
SUB-00018-WER-1023-C	Revised Original CPM Construction Schedule - May 12, 2015		Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER									From main contractor directly	June 7, 2015	July 7, 2015	June 9, 2015	2	A	
SUB-00018-WER-1024-B	Tank Mounted Air Compressor		Section: 11511, Paragraph: 2.1A & C	PD	CONS	SUB	WER									June 13, 2015	June 16, 2015	July 16, 2015	June 18, 2015	2	B	
SUB-00018-WER-1026-B	Valves List and Schedule for Arraba and Samur		Sections: 15217	AD	CONS	SUB	WER									From main contractor directly	June 7, 2015	July 7, 2015	June 8, 2015	1	A	
SUB-00018-ARW-1055-A	Revised Shop Drawings for Arraba Booster Pump - Structural		Section: 11101- Paragraph: 1.3	SD	CONS	SUB	ARW									May 31, 2015	June 1, 2015	July 1, 2015	June 14, 2015	13	A	
SUB-00018-WER-1056-A	Arraba and Samur PLC S7-1500		Section: 17510	PD	CONS	SUB	WER									From main contractor directly	June 1, 2015	July 1, 2015	June 7, 2015	6	B	
SUB-00018-WER-1057-A	Visual Inspection Report of Welded Joints for Steel Barrel with Flange for Arraba Project - Firth Barrel		Section: 02570	TR	CONS	Lab Test	ARW									From main contractor directly	June 1, 2015	July 1, 2015	June 1, 2015	0	A	
SUB-00018-ARW-1058-A	Arraba Mechanical and Fabrication Shop Drawings as per VO-13-00018-WER-006		Section: 15000	SD	CONS	SUB	ARW									May 30, 2015	June 1, 2015	July 1, 2015	June 3, 2015	2	B	
SUB-00018-WER-1059-A	Liquid Flow Detection Devices - Alternative		Section: 17103- Paragraph: 1.2	PD	CONS	SUB	WER									From main contractor directly	June 2, 2015	July 2, 2015	June 3, 2015	1	A	
SUB-00018-SNW-1060-A	Field Density Compaction Test for Subgrade - RW Foundation - Station (0+025 to 0+039.5) / Level 290.60 m		Section 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 2, 2015	July 2, 2015	June 3, 2015	1	A	
SUB-00018-SNW-1061-A	Field Density Compaction Test for Base Course - RW Foundation - Station (0+000 to 0+025)		Section 02200	TR	CONS	Lab Test	SNW									From main contractor directly	June 2, 2015	July 2, 2015	June 3, 2015	1	A	
SUB-00018-WER-1062-A	Toilet and Bath Accessories		Section: 10800- Paragraph: 2.2	PD	CONS	SUB	WER									June 1, 2015	June 2, 2015	July 2, 2015	June 3, 2015	1	A	
SUB-00018-ARW-1063-A	Modified Shop Drawings for Booster Pumps Steel Shed as per VO-13-00018-WER-006-Arraba		Section: 05100- Paragraph: 1.3B	SD	CONS	SUB	ARW									June 2, 2015	June 2, 2015	July 2, 2015	June 14, 2015	12	C	
SUB-00018-ARW-1064-A	Revised Electrical Shop Drawings for Arraba Booster Pumps		Section: 16110- Paragraph: 1.2B	SD	CONS	SUB	ARW									June 2, 2015	June 3, 2015	July 3, 2015	June 11, 2015	8	C	
SUB-00018-ARW-1064-B	Revised Electrical Shop Drawings for Arraba Booster Pumps		Section: 16110- Paragraph: 1.2B	SD	CONS	SUB	ARW									June 16, 2015	June 21, 2015	July 21, 2015	June 24, 2015	3	A	
SUB-00018-WER-1065-A	Medium Voltage Cable Test Results		Section: 16120- Paragraph: 3.5	TR	CONS	Lab Test	WER									June 3, 2015	June 3, 2015	July 3, 2015	June 4, 2015	1	D	
SUB-00018-WER-1066-A	QC Monthly Report- May 2015		Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER									From main contractor directly	June 7, 2015	July 7, 2015	June 10, 2015	3	C	
SUB-00018-WER-1066-B	QC Monthly Report- May 2015		Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER									From main contractor directly	June 21, 2015	July 21, 2015	June 21, 2015	0	A	
SUB-00018-WER-1067-A	Precast Concrete Sewage Manhole		Section: 02490- Paragraph: 2.1A	PD	CONS	SUB	WER									June 3, 2015	June 7, 2015	July 7, 2015	June 18, 2015	11	B	
SUB-00018-WER-1068-A	Training Manual Index and Summary Plan		Section: 01670	AD	CONS	SUB	WER									From main contractor directly	June 8, 2015	July 8, 2015	June 10, 2015	2	C	
SUB-00018-SNW-1069-A	Samur 1000 KVA Padmount Transformer Underground Conduits-Shop Drawing		Section 16110 Paragraph: 1.2B	SD	CONS	SUB	SNW									June 8, 2015	June 8, 2015	July 8, 2015	June 10, 2015	2	A	
SUB-00018-ARW-1070-A	Seismic Analysis for Arraba Additional Boosters		Section: 11103	AD	CONS	SUB	ARW									From main contractor directly	June 9, 2015	July 9, 2015	June 10, 2015	1	A	
SUB-00018-ARW-1071-A	PVC Monitoring Access Pipes - Schedule 80 for Arraba Well Pump - Spare		Section: 11101, Paragraph: 2.2 C	PD	CONS	SUB	ARW									From main contractor directly	June 9, 2015	July 9, 2015	June 10, 2015	1	A	
SUB-00018-ARW-1072-A	Preliminary Operation & Maintenance Manuals/ Section 5A/Arraba Booster Pumps Flow Control Valves		Section: 15217	AD	CONS	SUB	ARW									June 8, 2015	June 9, 2015	July 9, 2015	June 21, 2015	12	C	
SUB-00018-SNW-1073-A	Preliminary Operation & Maintenance Manuals/ Section 5A/Samur Booster Pumps Flow Control Valves		Section: 15217	AD	CONS	SUB	SNW									June 8, 2015	June 9, 2015	July 9, 2015	June 21, 2015	12	C	
SUB-00018-SNW-1074-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Foundation of Septic Tank		Section 03300	TR	CONS	Lab Test	SNW									From main contractor directly	June 10, 2015	July 10, 2015	June 10, 2015	0	A	
SUB-00018-SNW-1075-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Roof Slab for Washout Manholes Near & Behind of BT		Section 03300	TR	CONS	Lab Test	SNW									From main contractor directly	June 10, 2015	July 10, 2015	June 10, 2015	0	A	
SUB-00018-ARW-1076-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Manholes (Foundation MHS-3 & MHS-4 and Walls MHS-1 & MHS-2) and Duct Bank (DBS-3, DBS-4, DBS-5, DBS-6)		Section 03300	TR	CONS	Lab Test	ARW									From main contractor directly	June 10, 2015	July 10, 2015	June 10, 2015	0	A	
SUB-00018-SNW-1077-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Manholes Walls (MHP-2, MHP-5 & MHS-04)		Section 03300	TR	CONS	Lab Test	SNW									From main contractor directly	June 10, 2015	July 10, 2015	June 14, 2015	4	A	
SUB-00018-SNW-1078-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DB-05, DBS-04, DBP-04, DBP-05, DBS-05 & DBP-06)		Section 03300	TR	CONS	Lab Test	SNW									From main contractor directly	June 10, 2015	July 10, 2015	June 14, 2015	4	A	
SUB-00018-SNW-1079-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Manholes MHS-5 & MHP-3 and Foundation of Washout Manholes Near & Behind of BT		Section 03300	TR	CONS	Lab Test	SNW									From main contractor directly	June 10, 2015	July 10, 2015	June 14, 2015	4	A	
SUB-00018-ARW-1080-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DBP-14-Part 1& DBP-1-Part1), Electrical Manholes (MHS-03 & MHS-04) and Washout Manhole Walls		Section 03300	TR	CONS	Lab Test	ARW									From main contractor directly	June 10, 2015	July 10, 2015	June 14, 2015	4	A	
SUB-00018-WER-1081-A	Monthly Safety Plan Update - May 2015		Monthly Safety Plan Update - May 2015	AD	CONS	SUB	WER									From main contractor directly	June 10, 2015	July 10, 2015	June 11, 2015	1	A	
SUB-00018-WER-1082-A	Monthly Environmental Plan Update and Mitigation Plan Update- May 2015		Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER									From main contractor directly	June 10, 2015	July 10, 2015	June 11, 2015	1	B	
SUB-00018-WER-1083-A	Monthly Risk Management Plan Update - May 2015		Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER									From main contractor directly	June 11, 2015	July 11, 2015	June 11, 2015	0	A	
SUB-00018-WER-1084-A	Pipes Insulation		Section 15145- Paragraph: 2.3	PD	CONS	SUB	WER									From main contractor directly	June 11, 2015	July 11, 2015	June 15, 2015	4	A	
SUB-00018-WER-1085-A	Fertilizers for Trees Replanting		Section 02900- Paragraph: 2.3	PD	CONS	SUB	WER									From main contractor directly	June 11, 2015	July 11, 2015	June 18, 2015	7	A	

Submittal Categories	Submittal Classification	Identification	Phase	Priority	Project	Alpha	Date	Status	Disposition	Color	Submittal Disposition / Color Coding							
											Disposition	Color						
PD: PRODUCT DATA SD: SHOP DRAWINGS AD: ADMINISTRATIVE/OTHER TR: TEST REPORT SCH: SCHEDULE RPT: REPORT SMP: SAMPLE CO: COMPLETION & CLOSEOUT MAT: MATERIAL	PCS: CONSTRUCTION CON: CONSTRUCTION PSC: PRE-CONSTRUCTION	WER: Well Rehabilitation Project ARW: Project 1 Identifier SNW: Project 2 Identifier SNR: Project 3 Identifier	Pre-construction Construction Post-construction	High Medium Low	WER: Well Rehabilitation Project ARW: Project 1 Identifier SNW: Project 2 Identifier SNR: Project 3 Identifier	First Submittal: WER-001-A First Revision: WER-001-B Second Revision: WER-001-C					A: No Exception Noted B: Minor Correction Noted C: Approval and Re-submit D: Rejected - Resubmit E: Review Not Required F: Submitted Pending Response							
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
SUB-00018-SNW-1086-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Washout Manhole Walls Behind the BT and Duct Bank (DBS-03)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 14, 2015		July 14, 2015	June 15, 2015	1	A	
SUB-00018-ARW-1087-A	Arraba 1500 KVA Padmount Transformer Underground Conduits Shop Drawings	Section 16110- Paragraph: 1.2B	SD	CONS	SUB	ARW			A		From main contractor directly	June 11, 2015	June 14, 2015	July 14, 2015	June 18, 2015	4	B	
SUB-00018-WER-1088-A	Bermad Valves Test Conformity and Certificates	Section 15217- Paragraph: 2.3A	AD	CONS	SUB	WER			A		From main contractor directly	June 10, 2015	June 14, 2015	July 14, 2015	June 21, 2015	7	B	
SUB-00018-WER-1089-A	Steel Pipes and Flanges Protective Coating	Section 09800- Paragraph: 2.2F	PD	CONS	SUB	WER			A		From main contractor directly	June 10, 2015	June 14, 2015	July 14, 2015	June 23, 2015	9	C	
SUB-00018-ARW-1090-A	Method Statement for Joint Sealant & Crack Repair of Arraba BT Internal Walls	Section 03700- Paragraph: 1.3-B.1	AD	CONS	SUB	ARW			A		From main contractor directly	June 16, 2015		July 16, 2015	June 23, 2015	7	A	
SUB-00018-WER-1091-A	Sodium Hypochlorite Storage Tanks - Alternative	Section 13675- Paragraph: 2.2	PD	CONS	SUB	WER			A		From main contractor directly	June 15, 2015	June 16, 2015	July 16, 2015	June 18, 2015	2	B	
SUB-00018-WER-1092-A	Arraba & Samur Main PLC Enclosure as per VO-13-00018-WER-006	Section: 17510 - Paragraph: 2.2	PD	CONS	SUB	WER			A		From main contractor directly	June 16, 2015		July 16, 2015	June 23, 2015	7	A	
SUB-00018-WER-1093-A	Kitchen Sink Countertop	Section 15440- Paragraph: 2.2	SMP	CONS	SUB	WER			A		From main contractor directly	June 16, 2015	June 17, 2015	July 17, 2015	June 23, 2015	6	B	
SUB-00018-WER-1094-A	Data Sheet For 8" Electrical PVC Pipes Between Tower and High Voltage Manhole as per IEC Joint Visit	Section 16111 & 16110	PD	CONS	SUB	WER			A		From main contractor directly	June 17, 2015		July 17, 2015	June 23, 2015	6	A	
SUB-00018-WER-1095-A	QA/QC Submittal Register Monthly Update - May 2015	Section 01300, Contractor's manual, 4.1-construction submittals (3)- Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	June 17, 2015		July 17, 2015	June 23, 2015	6	B	
SUB-00018-WER-1096-A	Anchoring Seismic Analysis and Calculations for AC Outdoor Units (LQ & EC Building)	Section: 15700	AD	CONS	SUB	WER			A		From main contractor directly	June 17, 2015		July 17, 2015	June 18, 2015	1	A	
SUB-00018-SNW-1097-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Top Slab of Electrical Manholes (MHP-01, MHS-01, MHS-02 & MHP-02)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 21, 2015		July 21, 2015	June 22, 2015	1	A	
SUB-00018-SNW-1098-A	Test Report on Concrete Compressive Strength at 7 Days of Age - RW Foundation (0+000 to 0+025)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 21, 2015		July 21, 2015	June 22, 2015	1	A	
SUB-00018-SNW-1099-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Banks (DBS-09, DBP-09, DBP-10 & DBP-11)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 21, 2015		July 21, 2015	June 22, 2015	1	A	
SUB-00018-SNW-1100-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DBP-02)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 21, 2015		July 21, 2015	June 22, 2015	1	A	
SUB-00018-SNW-1101-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Washout Manhole Walls Near the BT and Foundation of Electrical Manhole (MHS-03)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 21, 2015		July 21, 2015	June 22, 2015	1	A	
SUB-00018-WER-1102-A	Power Meter Data Sheet	16455- Paragraph: 2.2 / F / 9 & 16480- Paragraph: 2.5 / B	PD	CONS	SUB	WER			A		From main contractor directly	June 21, 2015		July 21, 2015	June 24, 2015	3	C	
SUB-00018-WER-1103-A	Arraba And Samur PLC S7-1200 for MCC	Section: 17510	PD	CONS	SUB	WER			A		From main contractor directly	June 21, 2015		July 21, 2015	June 24, 2015	3	A	
SUB-00018-SNW-1104-A	Field Density Compaction Test for Subgrade - RW from Station (0+039.5 to 0+060) - Level 290.63m	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 22, 2015		July 22, 2015	June 22, 2015	0	A	
SUB-00018-SNW-1105-A	Field Density Compaction Test for Base Course - RW from Station (0+039.5 to 0+060) - Level 290.83m	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 22, 2015		July 22, 2015	June 22, 2015	0	A	
SUB-00018-SNW-1106-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Walls of Electrical Manhole (MHP-04), Top Slab of Electrical Manhole (MHS-03) and Electrical Duct Bank (DBS-07)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 22, 2015		July 22, 2015	June 22, 2015	0	A	
SUB-00018-ARW-1107-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Foundations of Electrical Manholes (MHP-04 & MHP-05), Walls of Electrical Manhole (MHS-03 & MHS-05) and Electrical Duct Bank (DBS-07)	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 22, 2015		July 22, 2015	June 22, 2015	0	A	
SUB-00018-WER-1108-A	Anchoring Seismic Analysis and Calculations for AC Indoor Units (LQ & EC Building)	Section: 15700	AD	CONS	SUB	WER			A		From main contractor directly	June 23, 2015		July 23, 2015	June 23, 2015	0	A	
SUB-00018-ARW-1109-A	Revised Arraba Septic Tank and Seepage Layout According to RFI-013-00018-WER-C-E-075	Section: 01300-Paragraph: 1.3	SD	CONS	SUB	ARW			A		From main contractor directly	June 22, 2015	June 24, 2015	July 24, 2015	June 29, 2015	5	B	
SUB-00018-WER-1110-A	Chlorination System Spare Parts as per VO-13-00018-WER-006	Section: 01300 & VO-13-00018-WER-006	PD	CONS	SUB	WER			A		From main contractor directly	June 22, 2015	June 24, 2015	July 24, 2015				Pending
SUB-00018-SNW-1111-A	Test Report on Concrete Compressive Strength at 7 Days of Age - RW Foundation (0+025 to 0+039.5)	Section 03300	TR	CONS	SUB	SNW			A		From main contractor directly	June 25, 2015		July 25, 2015	June 25, 2015	0	C	
SUB-00018-SNW-1112-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Transformer Pad (1st Level)	Section 03300	TR	CONS	SUB	SNW			A		From main contractor directly	June 25, 2015		July 25, 2015	June 25, 2015	0	A	
SUB-00018-SNW-1113-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank DPB-08 & DBS-08	Section 03300	TR	CONS	SUB	SNW			A		From main contractor directly	June 25, 2015		July 25, 2015	June 25, 2015	0	A	
SUB-00018-SNW-1114-A	Test Report on Concrete Compressive Strength at 7 Days of Age - RW (0+000 to 0+007) & Transformer Pad 2nd Level	Section 03300	TR	CONS	SUB	SNW			A		From main contractor directly	June 25, 2015		July 25, 2015	June 25, 2015	0	A	
SUB-00018-SNW-1115-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DBP-07)	Section 03300	TR	CONS	SUB	SNW			A		From main contractor directly	June 25, 2015		July 25, 2015	June 25, 2015	0	A	
SUB-00018-SNW-1116-A	Method Statement for Internal Walls and Floor Repair of Samur BT	Section 03700- Paragraph: 1.3-B.1	AD	CONS	SUB	SNW			A		From main contractor directly	June 28, 2015		July 28, 2015				Pending
SUB-00018-ARW-1117-A	Revised Shop Drawings for Arraba Booster Pumps Steel Shed as per VO-13-00018-WER-006	Section 05100- Paragraph: 1.3B	SD	CONS	SUB	ARW			A		From main contractor directly	June 25, 2015	June 28, 2015	July 28, 2015				Pending
SUB-00018-ARW-1118-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank DBP-02 and Electrical Foundation MHP-02	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	
SUB-00018-ARW-1119-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank DBP-09	Section 03301	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	
SUB-00018-ARW-1120-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Manholes (Walls MHS-02, MHP-04 & MHP-05 and Roof Slab MHS-04)	Section 03302	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	
SUB-00018-ARW-1121-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank DBS-02 & Electrical Manhole Walls MHP-02	Section 03304	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	Retracted
SUB-00018-ARW-1122-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Manholes (Foundation MHS-3 & MHS-4 and Walls MHS-1 & MHP-1) and Electrical Duct Bank DBS-5 (Det. 2)	Section 03305	TR	CONS	Lab Test	ARW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	
SUB-00018-SNW-1123-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Duct Bank DB-05, DBP-04, DBP-05 & DBP-06	Section 03306	TR	CONS	Lab Test	SNW			A		From main contractor directly	June 29, 2015		July 29, 2015	June 29, 2015	0	A	
SUB-00018-WER-1124-A	Polyethylene Potable Water Tanks	Section 13675- Paragraph: 2.1A	PD	CONS	SUB	WER			A		From main contractor directly	June 24, 2015	June 29, 2015	July 29, 2015				Pending

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: Task Order: 00018-WER

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

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
---------	----------------	--------------	-------------------	-------------	----------------------------	--------------------	-----------------------------	-----------------------------------	--------	-------------------	------------------------

No RFIs were issued during the current reporting period

ARW 22.8 Variation Order Request and Variation Order Log

DISCLAIMER:

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

Task Order:	Task Order: 00018-WER	NTP:	October 23, 2013
Projects:	Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements	NOA:	September 25, 2013
	Project 2-SNW Samur 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 issued during the current reporting period (from June 01 to June 30, 2015)

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		

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-010-B	June 22, 2015		0Days	8,023.31		B.O.Q 4.5.1, 4.5.2, 6.4.5, 7.4.4, 8.3.4, 9.3.3 & 10.4.1	BV response on RFI#021, 4- BV response on VOR-13-00018-WER-010-A & 5- Contractor response on BV comments-VOR-13-00018-WER-010-A	Lightning Protection System		
VOR-00018-WER-016-A	June 22, 2015		0 Days	Total for this VOR ARW/ Option (1)=\$339,040.00 Total for this VOR ARW/ Option (2)=\$188,730.00 & Total for this VOR SNW/ Option (1)=\$383,500.00 Total for this VOR SNW/ Option (2)=\$221,400.00			New Items-VO#005	Supply of two new vertical line shaft well pumps for SNW and ARW wells with all relevant accessories and ancillaries		
VOR-00018-WER-017-A	June 23, 2015		0 Days	Total for this VOR-ARW = \$93,511.72 Total for this VOR-SNW = \$75,475.56			New Items-SM#010 & 014	Changes in the Electrical Equipment as per SM#010, SM#014		
VOR-00018-WER-018-A	June 24, 2015		0 Days	Total for this VOR= 66523.48		B.O.Q 3.4.3-New Item		Temporary Pumping to Communities from SNW Well		
VOR-00018-WER-019-A	June 28, 2015		0 Days	This VOR for ARW (\$0.0) This VOR for SNW (\$0.0)		B.O.Q 7.2.9-New Item	RFI#058	Roof Insulation Membrane for both Arraba and Sanur Projects		
VOR-00018-WER-020-A	June 28, 2015		0 Days	Total saving (ARW+SNW) for this VOR = (\$2,420.00)		B.O.Q 9.3-New Items	RFI#065	Medium Voltage Metal-Enclosed Switch Gear 36K		
VOR-00018-WER-021-A	June 28, 2015		0 Days	Total saving (ARW+SNW) for this VOR = (\$1,000.00)			RFI#071	XLPE Coated Control Cables-Changing Coating to PVC		

ARW 22.9 Employment Generated Data

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.

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

Task Order Name: Wells Rehabilitation Project-WER

PERIOD FROM: Oct-23-2013 (NTP)

Sub-project or Activity Name: Project 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	277	163	225	820	34	768	52	
July	2014	72	69	208	113	195	656	28	609	47	
August	2014	78	78	247	161	220	784	33	732	52	
September	2014	82	79	232	155	194	742	31	695	47	
Total of FY 2014							5843	245.4989496	5407	436	
October	2014	67	66	163	131	188	615	26	582	33	
November	2014	80	79	217	157	189	721	30	682	39	
December	2014	80	81	204	134	202	701	29	660	41	
January	2015	72	71	164	112	202	620	26	584	36	
February	2015	69	67	142	108	180	565	24	518	47	
March	2015	81	80	192	178	217	747	31	681	66	
April	2015	79	77	164	168	216	704	30	640	64	
May	2015	78	77	169	159	233	717	30	653	64	
June	2015	78	76	134	139	229	656	28	593	63	
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							6045	253.9863445			

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*								
	Management				Engineers								Skilled labor				Unskilled labor				Other								Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
	Task Order Manager	Quality Control Manager	Safety & Evac. Manager	Project Manager #1, #2, etc.	Document Control Engineer (1)	Document Control Engineer	Civil Engineer (1)	Office Engineer	Site Engineer	Supervisor/tech	Skilled Labor	Ironman	Equipment Operator	Pipeman	Unskilled Labor	Guard/Security	Janitor (1)	Janitor	Document Control Officer	Surveyor	Surveyor Assistant	CVT	Geological	Driver	Supervisor	A/C Technician							
June 1, 2015	4	4	4	12	8		4	4	8	8	32	8	4		56	40	8	8	4	4						3	3	6.5	7	8			
June 2, 2015	4	4	4	12	8		4	4	8	8	32	8	8		56	40	8	8	4	4						3	3	7	7	9			
June 3, 2015	4	4	4	12	8		4	4	8	8	32	8	8		48	40	8	8	4	4						3	3	7	6	8			
June 4, 2015	4	4	4	12	8		4	4	8	8	32	8	3		72	40	8	8	4	4						3	3	6.375	9	8			
June 5, 2015															16	40										0	0	0	0.25	5			
June 6, 2015	4	4	4	12	8		4	4	8	8	16	8	8		40	40	8	8	0	4						3	3	5	5	8.5			
June 7, 2015	4	4	4	12	8		4	4	8	8	16	8	0		48	40	8	8	4	4						3	3	4	6	8			
June 8, 2015	4	4	4	12	8		4	4	8	8	16	8	3		48	40	8	8	4	4						3	3	4.375	6	8.375			
June 9, 2015	4	4	4	12	8		4	4	8	8	16	8	8		48	40	8	8	4	4						3	3	5	6	9			
June 10, 2015	4	4	4	12	8		4	4	8	8	16	8	5		48	40	8	8	4	0						3	3	4.625	6	8.125			
June 11, 2015	4	4	4	12	8		4	4	8	8	32	8	0		40	40	8	8	4	0						3	3	6	5	7.5			
June 12, 2015															1	40										0	0	0	0.125	5			
June 13, 2015	4	4	4	12	4		4	4	8	8	24	8	0		48	40	8	8	0	0						3	2.5	5	6	7			
June 14, 2015	4	4	4	12	8		4	4	8	8	32	8	3		48	40	8	8	4	0						3	3	6.375	6	7.5			
June 15, 2015	4	4	4	12	8		4	4	8	8	32	8	3		48	40	8	8	4	0						3	3	6.375	6	7.5			
June 16, 2015	4	4	4	12	8		4	4	8	8	32	8	5		56	40	8	8	4	4						3	3	6.625	7	8			
June 17, 2015	4	4	4	12	8		4	4	8	8	32	8	0		40	40	8	8	4	4						3	3	6	5	8			
June 18, 2015	4	4	4	12	8		4	4	8	8	16	8	8		24	40	8	8	4	4						3	3	5	3	8.5			
June 19, 2015															2	40										0	0	0	0.25	5			
June 20, 2015	4	4	4	12	4		4	4	8	8	16	8	4		24	40	8	8	4	4						3	2.5	4.5	3	8			
June 21, 2015	4	4	4	12	8		4	4	8	8	8	8	0		16	40	8	8	4	4						3	3	3	2	8			
June 22, 2015	4	4	4	12	8		4	4	8	8	8	8	0		16	40	8	8	4	4						3	3	3	2	8			
June 23, 2015	4	4	4	12	8		4	4	8	8	24	8	2		40	40	8	8	4	4						3	3	5.25	5	8			
June 24, 2015	4	4	4	12	8		4	4	8	8	32	8	3		40	40	8	8	4	4						3	3	6.375	5	8			
June 25, 2015	4	4	4	12	8		4	4	8	8	24	8	0		48	40	8	8	4	4						3	3	5	6	8			
June 26, 2015															40											0	0	0	0	5			
June 27, 2015	4	4	4	12	4		4	4	8	8	16	8	4		24	40	8	8	4	4						3	2.5	4.5	3	8			
June 28, 2015	4	4	4	12	4		4	4	8	8	16	8	0		56	40	8	8	4	4						3	2.5	4	7	8			
June 29, 2015	4	4	4	12	8		4	4	8	8	16	8	0		40	40	8	8	4	4						3	3	4	5	8			
June 30, 2015	4	4	4	12	8		4	4	8	8	8	8	0		32	40	8	8	4	4						3	3	3	4	8			
Total of Month	104	104	104	312	192	0	104	104	208	208	576	208	79	0	1109	1200	208	208	96	84	0	0	0	0	36	0	0	78	76	133.875	138.625	229	

ARW 22.10 Risk Register 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.

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			NITORING & CONTROLL	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHED ULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lays 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	Personnel enjuries (electric shock).	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Closed	
3	Contractor	Delay in procurement of transformer and switchgear	Procurement of transformer and switchgear might encounter a delay due changing supplier. The original supplier failed to fulfill specifications as per first few submittals he provided which were rejected by the Engineer.	Delay in commissioning date of the project	Contractor	25th of October, 2014	2	3	6	NO	Yes	Mitigate	Contractor is working closely with the Sub and the alternative supplier in leading all meetings and discussions in this regard. Huge efforts are made so far and extreme is being exerted on the alternative supplier to accelerate submission process of relevant submittals and to squeeze manufacturing period as much as possible to save time.	IRD	Existing	
4	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel enjuries.	Contractor	27th of December, 2014	2	2	4	No	No	Mitigate	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Existing	
5	External	Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric metering system..	As per design requirements the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations , hence, unforeseen problems.	1. Delay in operation, testing and commissioning. 2. Insufficient power supply that will .cause intermittent operation due to voltage fluctuations which possible will affect equipment negatively.	Contractor	18th of February, 2015	3	3	9	No	Yes	Transfer	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February, 2014. Since early of June, 2014 till now, the contractor is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.	IRD	Existing	
6	Contractor	Filling the balance tank with water for the leakage test and handling such a big quantity of water.	The danger lays in the large amount of water used in the leakage test	Environmental impact, such as flooding, to the nearby private property.	Contractor	February, 2015	2	2	4	Yes	Yes	Mitigate	The contractor installed appropriate drainage system. So, discharged water will go to the wadi. On the other hand, the contractor took in his consideration to have land owners permission to discharge the water in the lands around the project for irrigation.	IRD	Existing	
7	Contractor	Leakage test of the Balance Tank.	Due to the unknown result of the leakage test that may cause delay in progress.	Delay in progress	Contractor	February, 2015	2	2	4	Yes	Yes	Mitigate	The contractor will take all precautions to pass the test requirements in the shortest possible time to avoid any delay in progress.	IRD	Existing	
8	Contractor	Excavations for underground yard piping, duct banks and manholes..	The depth of underground yard piping excavation exceeds 2m and exposure to fall of personnel during work is an existing hazard.	Personnel injury.	Contractor	April, 2015	1	1	1	No	No	Mitigate	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Tool box meetings are conducted regularly.	IRD	Existing	
9	Construction	Delay in construction activities.	Progress started encountering delay in construction activity.	Delay in construction activities	Contractor	February, 2015	3	3	9	Yes	Yes	Mitigate	The contractor will make sure to secure the additional resources , and extending the working hour.	IRD	Closed	VO#06

CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

June 01-June 30, 2015

PROJECT 2-SANUR WELL PUMP STATION-SNW

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.

Attachments

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

DISCLAIMER:

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.

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

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.

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q																
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
CS2170	Prep&Submit Vertical Well Pump - Statements	16	01-Jul-15	26-Jul-15			27																										
CS2210	Prep&Submitt Control Valve Testing	10	01-Jul-15	02-Jul-15	15-Jun-15		-9																										
Electrical																																	
CS1431	Prep.&Submit Padmounted Transformers - Statements	20	01-Jul-15	30-Jul-15			39																										
CS2190	Prep.&Submit Metal Enclosed Switchgear - Statements	20	01-Jul-15	30-Jul-15			27																										
Procurement																																	
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well																																	
Material Order, Manufacture & Delivery																																	
Electrical Equipment																																	
P1-PRO1580	Variable Frequency Drive (VFD)&Spare Parts	82	01-Jul-15	21-Jul-15	02-Feb-15		8																										
P1-PRO1620	SCADA: PLC, Servers, UPS, Computers, Descks.	60	01-Jul-15	24-Jul-15	05-Apr-15		44																										
Mechanical Equipment																																	
P1-PRO1551	Wall & Roof Mounted Exhaust Fans With Accessories	150	01-Jul-15	23-Jul-15	02-Aug-14		27																										
P1-PRO1553	Air Conditioning Units & Accessories	150	01-Jul-15	15-Jul-15	24-Aug-14		53																										
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well																																	
Material Order, Manufacture & Delivery																																	
Electrical Equipment																																	
P2-PRO440	Variable Frequency Drive (VFD)&Spare Parts	82	01-Jul-15	21-Jul-15	02-Feb-15		-9																										
P2-PRO490	SCADA: PLC, Servers, UPS, Computers, Descks.	60	01-Jul-15	24-Jul-15	05-Apr-15		-13																										
Mechanical Equipment																																	
P2-PRO431	Wall & Roof Mounted Exhaust Fans With Accessories	150	01-Jul-15	23-Jul-15	02-Aug-14		28																										
P2-PRO451	Air Conditioning Units & Accessories	150	01-Jul-15	15-Jul-15	24-Aug-14		-12																										
Steel Pipes,Fittings& Valves																																	
Material Delivery																																	
Valves																																	
PRO220	Delivery of 2nd Order of Valves	12	01-Jul-15	08-Jul-15	15-Dec-14		76																										
Execution Phase																																	
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements																																	
P1 - Arraba Well Pump Station Infrastructure Improvement																																	
Demolishing,Site Development,Apply Safety Measuremnts&Site Preparation																																	
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	01-Jul-15	01-Jul-15	30-Dec-13		58																										
P1-DEMO-000010	Excavation for Clearing,Site Grading&Preparation	7	01-Jul-15	02-Jul-15	18-Mar-14		49																										
P1-DEMO-000020	Erosion & Sediment Control Systems	10	01-Jul-15	16-Jul-15			49																										
P1-DEMO-000030	Miscellaneous Excavation	3	01-Jul-15	01-Jul-15	18-Mar-14		58																										
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	01-Jul-15	01-Jul-15	15-Apr-14		58																										
Construction of New Pump Station																																	
Retaining Walls																																	
Retaining Wall Group # 1 (St.36+40 to St.55+60)																																	
Civil & Structural Works																																	
P1-RT-95	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	14-Jun-14		114																										
Retaining Wall Group # 2 (St.55+60 to St.78+80)																																	
Civil & Structural Works																																	
P1-RT-180	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	13-Jul-14		114																										
Retaining Wall Group # 3 (St.78+80 to St.102+00)																																	
Civil & Structural Works																																	
P1-RT-270	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	14-Aug-14		114																										
Boundary Wall Group # 4 A -(St.102+00 to St.126+80)																																	
Civil & Structural Works																																	
P1-RT-360	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	21-Aug-14		114																										
Boundary Wall Group # 4 B -(St.126+80 to St.140+20)																																	
Civil & Structural Works																																	
P1-RT-630	Furnish,Install Fence&Backfilling	2	01-Jul-15	02-Jul-15	28-Aug-14		114																										
Retaining Wall Group # 5 -(St. 30+40 to St.36+40)																																	
Civil & Structural Works																																	
P1-RT-450	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	06-Jul-14		114																										

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

Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q															
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
Retaining Wall Group # 6 -(St.00+00 to St.30+40)																																
Civil & Structural Works																																
P1-RT-540	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	26-Jun-14		58																									
Retaining Wall Group # 6 -(St.00+00 to St.0-018)																																
Civil & Structural Works																																
P1-RT-650	Furnish,Install Fence&Backfilling	2	01-Jul-15	01-Jul-15	29-Mar-15		88																									
Balance Tank 1000 m3																																
Civil & Structural Works																																
P1-BT-000320	Initial Testing (1st Stage) for Water Tightness	20	01-Jul-15	16-Jul-15	18-Feb-15		37																									
Mechanical Works																																
P1-BT-M-00010	Installation Of Inlet&Outlet Pipes	6	01-Jul-15	01-Jul-15	18-Apr-15		85																									
P1-BT-M-00020	Installation Of Wash Out&Over Flow	6	01-Jul-15	01-Jul-15	19-Apr-15		61																									
P1-BT-M-00030	Installation Of Stainless Steel Wall Insertion	6	01-Jul-15	09-Jul-15			61																									
P1-BT-M-00040	Installation Of Stainless Steel Piping&Hose Bibs Installation	6	11-Jul-15	21-Jul-15			61																									
P1-BT-M-00050	Supply &Installation of Inlet & Outlet Fittings	6	21-Jul-15	28-Jul-15			61																									
Booster Pump System																																
Civil & Structural Works																																
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump Slab	2	01-Jul-15	01-Jul-15	20-May-14		53																									
P1-BP-000060	Cast Concrete - Blinding	1	01-Jul-15	01-Jul-15	01-Jun-15		-9																									
P1-BP-000070	Concrete Curing	7	01-Jul-15	12-Jul-15			-7																									
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	01-Jul-15	15-Jul-15			-9																									
P1-BP-000090	Cast R.C. for the Slab/Mechanical Surface Smoothing	1	15-Jul-15	16-Jul-15			-9																									
P1-BP-000100	Concrete Curing & Backfilling	7	20-Jul-15	27-Jul-15			-9																									
Electrical & Instrumentation Works																																
P1-BP-E-00010	Furnish & Installation of Earthing,Ductbanks&Raceway	10	01-Jul-15	09-Jul-15	02-Jun-15		2																									
Septic & Seepage Tank																																
Civil & Structural Works																																
P1-SS-000040	Excavation for Foundation,Furnishing Leveling&Compaction	2	01-Jul-15	04-Jul-15			21																									
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	04-Jul-15	07-Jul-15			21																									
P1-SS-000060	Cast R.C. for Base Slab & Ring Beam	1	07-Jul-15	08-Jul-15			21																									
P1-SS-000070	Concrete Curing	7	08-Jul-15	21-Jul-15			21																									
P1-SS-000080	Form/Steel Rebars for the Walls	4	08-Jul-15	14-Jul-15			24																									
P1-SS-000090	Cast Reinforced Concrete for the Wallls	1	21-Jul-15	22-Jul-15			21																									
P1-SS-000100	Concrete Curing	7	22-Jul-15	30-Jul-15			21																									
Chlorination & Storage Building VO6																																
Finishing Works																																
P1-CHS-000229	Apply Acrillic Coats for External Walls	3	01-Jul-15	05-Jul-15			61																									
P1-CHS-000240	Furnish & install Floor Tiles & Base Materials/ Wall Ceramics Resistance Tiles	2	06-Jul-15	08-Jul-15			61																									
P1-CHS-000250	Furnish & Install Furniture and Fittings	4	08-Jul-15	14-Jul-15			61																									
P1-CHS-000260	Furnish & Install All Architectural Elements	4	15-Jul-15	22-Jul-15			61																									
P1-CHS-000270	Furnish & Install Doors and Windows	4	15-Jul-15	22-Jul-15			61																									
P1-CHS-000271	Furnish & Install Hatches, Vents, Ladders, Grating etc	4	22-Jul-15	27-Jul-15			61																									
Electrical & Instrumentation Works																																
P1-CHS-E-0010	Earthing System	1	01-Jul-15	01-Jul-15	09-May-15		80																									
P1-CHS-E-0020	Furnish, Install, Wire, Duct Banks & Terminate Lights and Receptacles	5	01-Jul-15	02-Jul-15	15-Mar-15		80																									
Living Quarters Building																																
Finishing Works																																
P1-LQ-000200	Furnish & install Floor Tiles & Base Materials	5	01-Jul-15	08-Jul-15			76																									
Mechanical Works																																
P1-LQ-M-00010	Furnish & Install of Utility Piping including Pipe Supports & Valves	2	01-Jul-15	04-Jul-15			81																									
Electrical Metering Building																																
Finishing Works																																
P1-EM-000195	Furnish & Install Interior & Exterior Plaster & Coatings	4	01-Jul-15	02-Jul-15	01-Mar-15		84																									
P1-EM-000210	Furnish & Install Hatches, Vents, Ladders, Grating etc	4	01-Jul-15	07-Jul-15			84																									
P1-EM-000220	Furnish & Install insulation, Roofing, Coping and All Items etc	4	01-Jul-15	06-Jul-15	18-Mar-15		78																									

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

Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
								D	N	D	J	F	A	M	J	J	A	S	
P1-EM-000230	Furnish & install Floor Tiles & Base Materials	2	01-Jul-15	04-Jul-15			81												Furnish
Electrical & Instrumentation Works																			
P1-EM-E-00010	Earthing&Lightning Protection Pre-Fix	1	06-Jul-15	07-Jul-15			78												Earthin
Pads & Slabs																			
Civil & Structural Works																			
P1-PS-010	Excavation Leveling for Foundation,Compacting Subgrade layers	5	01-Jul-15	08-Jul-15			30												Excava
P1-PS-020	Form/Steel Rebars for Foundation	3	08-Jul-15	13-Jul-15			30												Form/S
P1-PS-030	Cast Concrete	1	13-Jul-15	14-Jul-15			30												Cast C
P1-PS-040	Concrete Curing	7	15-Jul-15	26-Jul-15			30												Concr
Electrical & Instrumentation Works																			
P1-PS-E-60	Earthing System	1	26-Jul-15	27-Jul-15			37												Earthin
P1-PS-E-91	Lightning Protection System	1	27-Jul-15	28-Jul-15			70												Lightin
Well Systems																			
Wellhead and Pad (Structural)																			
P1-WS-020	Excavation to the Required Depth	3	01-Jul-15	05-Jul-15			26												Excava
P1-WS-030	Grading & Compacting Subgrade Layers	5	06-Jul-15	13-Jul-15			26												Gradin
Yard Works & Site Electrical Power																			
External & Finishing Works																			
P1-YW-040	Excavation for Yard Piping	7	01-Jul-15	04-Jul-15	16-Apr-15		63												Excava
P1-YW-050	Bedding Layer	7	01-Jul-15	04-Jul-15	16-Apr-15		49												Bedding
P1-YW-060	Backfilling and Compaction	7	04-Jul-15	15-Jul-15			49												Backfil
P1-YW-070	1st & 2nd Basecourse Layes	9	16-Jul-15	29-Jul-15			49												1st & 2
Mechanical Works																			
P1-YW-M-010	Lay & Install Pipes <300mm (Pressure Pipes)	14	01-Jul-15	07-Jul-15	16-Apr-15		59												Lay & In
P1-YW-M-030	Lay & Install Gravity Piping	14	01-Jul-15	23-Jul-15			101												Lay &
P1-YW-M-040	Furnish & Install All Chambers & Manholes	10	01-Jul-15	05-Jul-15	17-May-15		103												Furnish
P1-YW-M-050	Pressure Test for All yard pipes	3	01-Jul-15	05-Jul-15			103												Pressur
Electrical & Instrumentation Works																			
P1-YW-E-010	Furnish & Installation of Electrical Manholes	20	01-Jul-15	07-Jul-15	17-May-15		55												Furnish
P1-YW-E-020	Furnish & Installation of Ductbanks	20	01-Jul-15	09-Jul-15	23-May-15		53												Furnish
(O&M),Inspection,Commissioning,Start Up & Training for P1																			
Initial Operation & Manufacturer Technical Manual Submittals (O&M)																			
P1-OM-420	Prep&Submit Safety&Health Training	10	01-Jul-15	16-Jul-15			52												Prep&S
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout	12	01-Jul-15	21-Jul-15			13												Prep&S
P1-OM-450	Prep&Submit O&M for Equipment General	10	01-Jul-15	16-Jul-15			17												Prep&S
P1-OM-460	Prep&Submit O&M for New Chlorination System	10	04-Jul-15	20-Jul-15			67												Prep&S
P1-OM-490	Prep&Submit O&M for HVAC System	10	16-Jul-15	30-Jul-15			42												Prep&S
P1-OM-590	Prep&Submit O&M for Transformers	10	01-Jul-15	16-Jul-15			52												Prep&S
Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)																			
P1-OM-760	Approval Final O&M for Chemical Feed Pump	0		20-Jul-15			67												
P1-OM-770	Approval Final O&M for Bladder Tank	0		01-Jul-15			58												
Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements																			
P2: Sanur Well Pump Station Infrastructure Improvement																			
Demolishing,Site Development,Apply Safety Measurements&Site Preparation																			
P2-DEMO-35	Site Fencing & Apply Safety Measurements	3	01-Jul-15	01-Jul-15	29-Mar-14		0												Site Fer
P2-DEMO-40	Excavation for Clearing,Site Grading&Preparation	7	01-Jul-15	02-Jul-15	10-Jul-14		-1												Excavat
P2-DEMO-50	Erosion & Sediment Control Systems	10	01-Jul-15	16-Jul-15			-10												
P2-DEMO-70	Miscellaneous Excavation	3	01-Jul-15	01-Jul-15	06-Jul-14		0												Miscella
P2-DEMO-80	Lab Test Report for Soil Bearing Capacity	3	01-Jul-15	05-Jul-15	16-Jul-14		-2												Lab Tes
Construction of New Pump Station																			
Balance Tank 1000 m3																			
Civil & Structural Works																			
P2-BT-610	Initial Testing (1st Stage) for Water Tightness	20	01-Jul-15	07-Jul-15	23-Feb-15		6												Initial Te
Finishing Works																			
P2-BT-530	Apply Epoxy Coats(Internal Walls),Base&Isolation Works	10	13-Jul-15	28-Jul-15			6												Apply

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

Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q																		
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
P2-RT-770	Deshuttering & Curing For Walls	7	12-Jul-15	23-Jul-15			2																													
Retaining Wall Part # 2																																				
Civil & Structural Works																																				
P2-RT-660	Concrete Curing / Isolation	7	01-Jul-15	12-Jul-15			9																													
P2-RT-670	Form/Steel Rebars for the Retaning Walls	10	01-Jul-15	16-Jul-15			-15																													
P2-RT-680	Cast Reinforced Concrete for the Retaining Wallls	1	16-Jul-15	20-Jul-15			-15																													
P2-RT-690	Deshuttering & Curing For Walls	7	20-Jul-15	28-Jul-15			5																													
Retaining Wall Part # 3																																				
Civil & Structural Works																																				
P2-RT-550	Excavation for Foundation,Leveling,Compacting Subgrade Layer	3	20-Jul-15	23-Jul-15			-15																													
P2-RT-560	Form/Steel Rebars for Foundation	4	23-Jul-15	28-Jul-15			-15																													
P2-RT-570	Cast Concrete	1	28-Jul-15	29-Jul-15			-15																													
Electrical & Instrumentation Works																																				
P2-YW-E-40	Furnish & Installation of Electrical Manholes	20	01-Jul-15	07-Jul-15	14-Apr-15		-4																													
P2-YW-E-50	Furnish & Installation of Ductbanks	20	01-Jul-15	16-Jul-15	12-May-15		-10																													
Mechanical Works																																				
P2-YW-M-50	Lay & Install Pipes <300mm (Pressure Pipes)	10	01-Jul-15	05-Jul-15	12-May-15		0																													
P2-YW-M-70	Lay & Install Gravity Piping	10	01-Jul-15	05-Jul-15	12-May-15		-12																													
P2-YW-M-80	Furnish & Install All Chambers & Manholes	10	05-Jul-15	21-Jul-15			-12																													
P2-YW-M-90	Pressure Test for All yard pipes	10	05-Jul-15	21-Jul-15			-12																													
(O&M), Inspection, Commissioning, Start Up & Training																																				
Initial Operation & Manufacturer Technical Manual Submittals (O&M)																																				
P2-OM-00030	Prep&Submit Safety&Health Training	10	01-Jul-15	16-Jul-15			7																													
P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	01-Jul-15	21-Jul-15			5																													
P2-OM-00060	Prep&Submit O&M for Equipment General	10	01-Jul-15	16-Jul-15			7																													
P2-OM-00070	Prep&Submit O&M for Chemical Feed Pump	10	04-Jul-15	20-Jul-15			6																													
P2-OM-00100	Prep&Submit O&M for HVAC System	10	16-Jul-15	30-Jul-15			-8																													
P2-OM-00130	Prep&Submit O&M for MCC	10	01-Jul-15	16-Jul-15			7																													
P2-OM-00200	Prep&Submit O&M for Transformers	10	01-Jul-15	16-Jul-15			7																													
Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)																																				
P2-OM-00280	Approval Final O&M for Bladder Tank	0		01-Jul-15			43																													

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

▼ Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

June,2015 Roll Up Schedule

01-Jul-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q															
								D	N	D	J	F	A	M	J	J	A	S	O	N	D	J	F	A	M	J	J	A	S	O	N
Total		568	01-Jul-15	21-Nov-15	23-Oct-13		0																								
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS		568	01-Jul-15	21-Nov-15	23-Oct-13		0																								
Milestones		619	01-Jul-15	21-Nov-15	23-Oct-13		-11																								
General Milestones		619	06-Oct-15	21-Nov-15	23-Oct-13		-11																								
Intermediate Milestones		596	01-Jul-15	21-Nov-15	01-Dec-13		-11																								
Mobilization		24			24-Oct-13	08-Jan-14																									
Submittals		506	01-Jul-15	21-Nov-15	31-Oct-13		-9																								
Pre Construction Submittals		45			31-Oct-13	31-Mar-14																									
Construction Submittals		488	01-Jul-15	31-Oct-15	14-Nov-13		-6																								
Material Submittals		427	01-Jul-15	18-Aug-15	06-Jan-14		55																								
Civil		424	01-Jul-15	15-Aug-15	06-Jan-14		55																								
Earth Works		141			12-Apr-14	22-Oct-14																									
Concrete Works		173			07-Jan-14	20-Aug-14																									
Building Works		325	01-Jul-15	15-Aug-15	16-Apr-14		55																								
Roads Works		97			08-Apr-15	02-Jun-15																									
Miscellaneous		325	01-Jul-15	15-Aug-15	06-Jan-14		-2																								
Mechanical		389	01-Jul-15	18-Aug-15	06-Jan-14		55																								
Local Manufacturer		384	01-Jul-15	12-Aug-15	10-Feb-14		60																								
Abroad Manufacturer (Long Lead Items)		373	01-Jul-15	18-Aug-15	06-Jan-14		42																								
Electrical		418	01-Jul-15	12-Aug-15	06-Feb-14		12																								
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)		392	01-Jul-15	12-Aug-15	10-Mar-14		12																								
Local Manufacturer		418	01-Jul-15	12-Aug-15	06-Feb-14		8																								
Shop Drawings		427	01-Jul-15	18-Aug-15	17-Dec-13		41																								
Civil		422	01-Jul-15	12-Aug-15	17-Dec-13		46																								
Mechanical		262	01-Jul-15	18-Aug-15	22-Jun-14		36																								
Electrical		398	01-Jul-15	06-Aug-15	20-Feb-14		10																								
Methods Statement & Work Plans		488	01-Jul-15	31-Oct-15	14-Nov-13		-8																								
Civil		444	01-Jul-15	06-Aug-15	14-Nov-13		19																								
Mechanical		86	01-Jul-15	30-Aug-15	09-Feb-15		23																								
Electrical		221	01-Jul-15	31-Oct-15	15-Jan-15		-8																								
Post Construction Submittals		0	21-Nov-15	21-Nov-15			-9																								
Procurement		312	01-Jul-15	14-Oct-15	01-Jul-14		27																								
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		328	01-Jul-15	07-Sep-15	02-Aug-14		38																								
Material Order, Manufacture & Delivery		328	01-Jul-15	07-Sep-15	02-Aug-14		38																								
Electrical Equipment		207	01-Jul-15	07-Sep-15	18-Dec-14		38																								
Mechanical Equipment		195	01-Jul-15	23-Jul-15	02-Aug-14		45																								
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		288	01-Jul-15	07-Sep-15	02-Aug-14		-14																								
Material Order, Manufacture & Delivery		288	01-Jul-15	07-Sep-15	02-Aug-14		-14																								
Electrical Equipment		207	01-Jul-15	07-Sep-15	18-Dec-14		-14																								
Mechanical Equipment		181	01-Jul-15	23-Jul-15	02-Aug-14		28																								
Steel Pipes,Fittings&Valves		75	01-Jul-15	10-Aug-15	01-Jul-14		74																								
Material Order & Manufacture		72	01-Jul-15	10-Aug-15	01-Jul-14		74																								
All Needed Pipes,Steel Pipes & Fittings		60			01-Jul-14	26-Mar-15																									
Valves		81	01-Jul-15	10-Aug-15	04-Dec-14		83																								
Material Delivery		35	01-Jul-15	08-Jul-15	15-Dec-14		68																								
All Needed Pipes,Steel Pipes & Fittings		12			15-Mar-15	28-Mar-15																									
Valves		12	01-Jul-15	08-Jul-15	15-Dec-14		76																								
Arrabah Additional Booster Pumps and VFD VO6		204	01-Jul-15	14-Oct-15	12-May-15		0																								
New Chlorination System VO6		100	01-Jul-15	26-Aug-15	24-May-15		-5																								
Execution Phase		568	01-Jul-15	21-Nov-15	24-Oct-13		0																								
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		450	01-Jul-15	21-Nov-15	24-Oct-13		0																								
Mobilization for P1		24			24-Oct-13	08-Jan-14																									
P1 - Arraba Well Pump Station Rehabilitation		63			25-Dec-13	06-Jun-14																									

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

Summary



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q															
								Q	D	J	F	A	M	J	J	A	S	O	N	D	J	F	A	M	J	J	A	S	O	N			
	Design Review After Well Development Results	151			14-Mar-14	19-Jun-14																											
	Geophysical Logging Final Acceptance	1			14-Mar-14	27-May-14																											
	P1 - Arraba Well Pump Station Infrastructure Improvement	420	01-Jul-15	01-Nov-15	30-Dec-13		15																										
	Demolishing,Site Development,Apply Safety Measurements&Site Preparation	381	01-Jul-15	16-Jul-15	30-Dec-13		49																										
	Construction of New Pump Station	390	01-Jul-15	01-Nov-15	17-Mar-14		15																										
	Retaining Walls	103	01-Jul-15	02-Jul-15	30-Mar-14		114																										
	Retaining Wall Group # 1 (St.36+40 to St.55+60)	81	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	81	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Retaining Wall Group # 2 (St.55+60 to St.78+80)	41	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	41	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Retaining Wall Group # 3 (St.78+80 to St.102+00)	76	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	76	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Boundary Wall Group # 4 A -(St-102+00 to St.126+80)	83	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	83	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Boundary Wall Group # 4 B -(St.126+80 to St.140+20)	89	01-Jul-15	02-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	89	01-Jul-15	02-Jul-15	23-Apr-14		114																										
	Retaining Wall Group # 5 -(St. 30+40 to St.36+40)	77	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	23-Apr-14		114																										
	Retaining Wall Group # 6 -(St.00+00 to St.30+40)	77	01-Jul-15	01-Jul-15	20-May-14		58																										
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	20-May-14		58																										
	Retaining Wall Group # 6 -(St.00+00 to St.0-018)	77	01-Jul-15	01-Jul-15	30-Mar-14		88																										
	Civil & Structural Works	77	01-Jul-15	01-Jul-15	30-Mar-14		88																										
	Balance Tank 1000 m3	392	01-Jul-15	06-Oct-15	16-Jul-14		13																										
	Civil & Structural Works	235	01-Jul-15	16-Jul-15	16-Jul-14		37																										
	Finishing Works	171	20-Aug-15	08-Sep-15	08-Dec-14		13																										
	Metal Fabricated Works	117			03-Feb-15	24-May-15																											
	Mechanical Works	41	01-Jul-15	04-Aug-15	18-Apr-15		61																										
	Electrical & Instrumentation Works	290	18-Aug-15	03-Oct-15	09-Sep-14		13																										
	Test Water Tightness For Reservoir	3	03-Oct-15	06-Oct-15			13																										
	Booster Pump System	317	01-Jul-15	01-Nov-15	17-Mar-14		-9																										
	Civil & Structural Works	237	01-Jul-15	27-Jul-15	17-Mar-14		36																										
	Steel Structure & Metal Works	45	22-Jul-15	12-Sep-15			11																										
	Mechanical Works	80	28-Jul-15	01-Nov-15			-9																										
	Electrical & Instrumentation Works	89	01-Jul-15	01-Nov-15	02-Jun-15		-9																										
	Additional Booster Pumps and VFD - VO6	6	15-Oct-15	21-Oct-15			0																										
	Coatings & Finishing Works	14	07-Sep-15	27-Sep-15			21																										
	Septic & Seepage Tank	59	01-Jul-15	14-Sep-15			29																										
	Civil & Structural Works	59	01-Jul-15	14-Sep-15			29																										
	Plumbing Works	28	12-Aug-15	14-Sep-15			24																										
	Finishing Works	7	30-Aug-15	07-Sep-15			21																										
	Electrical & Control Building	206	23-Jul-15	14-Oct-15	19-Jan-15		9																										
	Civil & Structural Works	81			19-Jan-15	30-Mar-15																											
	Finishing Works	103	23-Jul-15	07-Sep-15	04-Apr-15		30																										
	Mechanical Works	30	31-Aug-15	08-Oct-15			6																										
	Electrical & Instrumentation Works	183	15-Aug-15	12-Oct-15	28-Jan-15		11																										
	HVAC-Plumping	5	08-Oct-15	14-Oct-15			6																										
	Chlorination & Storage Building VO6	188	01-Jul-15	06-Sep-15	03-Dec-14		33																										
	Civil & Structural Works	118			03-Dec-14	02-May-15																											
	Finishing Works	37	01-Jul-15	17-Aug-15	20-May-15		43																										
	Mechanical Works	128	25-Aug-15	31-Aug-15	15-Mar-15		41																										
	Electrical & Instrumentation Works	91	01-Jul-15	03-Sep-15	15-Mar-15		38																										
	HVAC-Plumping	5	31-Aug-15	06-Sep-15			36																										
	Spare Parts and Tools for Chlorination System	7	27-Aug-15	02-Sep-15			49																										
	Living Quarters Building	216	01-Jul-15	29-Aug-15	29-Nov-14		51																										
	Civil & Structural Works	128			29-Nov-14	10-Feb-15																											
	Finishing Works	140	01-Jul-15	20-Aug-15	15-Feb-15		43																										
	Mechanical Works	40	01-Jul-15	23-Aug-15			43																										
	Electrical & Instrumentation Works	162	15-Aug-15	19-Aug-15	17-Dec-14		51																										
	HVAC-Plumping	19	06-Aug-15	29-Aug-15			51																										

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



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog-Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
								Q	D	J	F	A	M	J	J	A	S	O	N	D	J	F	A	M	J	J	A	S	O	N
	Chlorination & Storage Building VO6	190	01-Jul-15	05-Sep-15	01-Mar-15		-7																							
	Civil & Structural Works	124			01-Mar-15	03-May-15																								
	Finishing Works	69	01-Jul-15	17-Aug-15	27-Apr-15		-1																							
	Mechanical Works	47	01-Jul-15	31-Aug-15			-8																							
	Electrical & Instrumentation Works	44	01-Jul-15	26-Aug-15			0																							
	HVAC-Plumping	4	31-Aug-15	05-Sep-15			-8																							
	Spare Parts and Tools for Chlorination System	5	27-Aug-15	31-Aug-15			-5																							
	Living Quarters Building	263	01-Jul-15	29-Aug-15	07-Sep-14		1																							
	Civil & Structural Works	175			07-Sep-14	14-Jan-15																								
	Finishing Works	162	01-Jul-15	20-Aug-15	19-Jan-15		-2																							
	Mechanical Works	40	01-Jul-15	23-Aug-15			-2																							
	Electrical & Instrumentation Works	40	01-Jul-15	23-Aug-15			3																							
	HVAC-Plumping	42	01-Jul-15	29-Aug-15	01-Jun-15		1																							
	Electrical Metering Building	222	01-Jul-15	03-Sep-15	23-Sep-14		-7																							
	Civil & Structural Works	128			23-Sep-14	12-Feb-15																								
	Finishing Works	134	01-Jul-15	13-Aug-15	10-Feb-15		6																							
	Electrical & Instrumentation Works	51	01-Jul-15	03-Sep-15			-7																							
	HVAC-Plumping	5	30-Aug-15	03-Sep-15			-7																							
	Pads & Slabs	56	01-Jul-15	09-Sep-15	03-Jun-15		-12																							
	Civil & Structural Works	26	01-Jul-15	04-Aug-15	03-Jun-15		-3																							
	Electrical & Instrumentation Works	52	06-Jul-15	09-Sep-15			-12																							
	Mechanical Works	22	04-Aug-15	30-Aug-15			-3																							
	Finishing Works	2	04-Aug-15	06-Aug-15			17																							
	Well Systems	155	01-Jul-15	08-Sep-15	25-Feb-15		-11																							
	Wellhead and Pad (Structural)	43	01-Jul-15	26-Aug-15			-5																							
	Mechanical	155	01-Jul-15	08-Sep-15	25-Feb-15		-11																							
	Electrical & Instrumentation Works	5	26-Aug-15	01-Sep-15			-5																							
	Yard Works,Widening&Upgrading of Existing Main Road Entrance & Site Electrical Power	256	01-Jul-15	15-Sep-15	20-May-14		-4																							
	External & Finishing Works	125	01-Jul-15	05-Sep-15	26-Oct-14		5																							
	Retaining Wall	253	01-Jul-15	13-Sep-15	20-May-14		-15																							
	Retaining Wall Shop Drawing Approval & Issuance of VO.6	196			20-May-14	24-May-15																								
	Retaining Wall Part # 1	23	01-Jul-15	01-Aug-15	27-May-15		2																							
	Civil & Structural Works	23	01-Jul-15	01-Aug-15	27-May-15		2																							
	Retaining Wall Part # 2	29	01-Jul-15	09-Aug-15	14-Jun-15		2																							
	Civil & Structural Works	29	01-Jul-15	09-Aug-15	14-Jun-15		2																							
	Retaining Wall Part # 3	31	20-Jul-15	25-Aug-15			-5																							
	Civil & Structural Works	31	20-Jul-15	25-Aug-15			-5																							
	Retaining Wall Part # 4	30	09-Aug-15	13-Sep-15			-15																							
	Civil & Structural Works	30	09-Aug-15	13-Sep-15			-15																							
	Electrical & Instrumentation Works	90	01-Jul-15	15-Sep-15	14-Apr-15		-17																							
	Mechanical Works	17	01-Jul-15	21-Jul-15	12-May-15		-10																							
	Flow Control Valve for Jaba Existing Balance Tank&Kafr Rai Existing PS Balance Tank (O&M),Inspection,Commissioning,Start Up & Training	20	11-Jul-15	06-Aug-15			-3																							
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	154	01-Jul-15	01-Oct-15	01-Feb-15		-15																							
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	157	01-Jul-15	04-Aug-15	01-Feb-15		-7																							
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	51	01-Jul-15	03-Sep-15			-7																							
	Training Phase	7	15-Sep-15	22-Sep-15			-20																							
	Comissioning & Start Up Phase for All System	11	15-Sep-15	01-Oct-15			-15																							
	Comissioning & Start Up Phase for All System	8	22-Sep-15	30-Sep-15			-20																							
	Demobilization,Close Out&Handing Over	4	01-Oct-15	06-Oct-15			-15																							
	Project 3 Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14																								
	P3 - Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14																								
	Mobilization for P3	24			24-Oct-13	09-Jan-14																								
	Execution	33			01-Dec-13	20-Mar-14																								
	Demobilization,Close Out&Handing Over for P3	7			11-Mar-14	11-Mar-14																								

█ (New Bar) Summary
█ Actual Work
█ Remaining Work
█ Critical Remaining Work
◆ Milestone



Date	Revision	Checked	Approved
01-Jul-15	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog-Iv...	Naim Mani-Prog Direc...

SNW 22.2 “S” Curve

DISCLAIMER:

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

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,316,976.57
Original Total Contract Value Less Day Work VOM:	\$5,315,792.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	595 CD
Revised Duration VOM:	577 CD
Revised Contract Duration VOM:	740 CD
Completion Date:	27-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Date Data:	12-May-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur):	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,027,158.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,522.54
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	595 CD
Original Completion Date:	27-Apr-15
Revised Duration of Contract as per VO #4:	577 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Date Data:	12-May-15

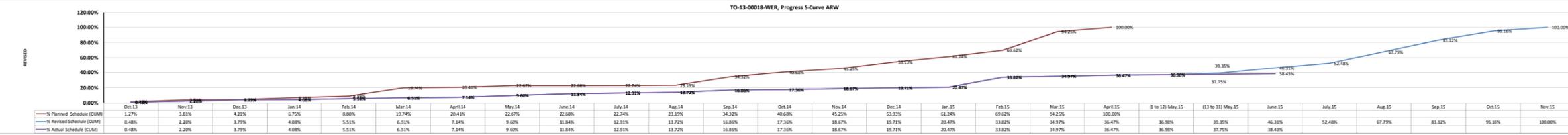
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,535.00
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$493,535.00
Revised Total Contract Value Less Day Work as per VO #3:	\$476,334.82
NTP (Notice to Proceed):	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	12-Mar-14
Date Data:	12-May-15

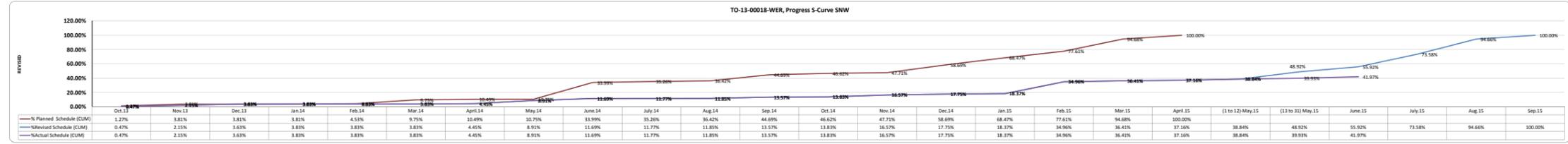
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

USD	
Total Contract Value Less Day Work:	\$14,027,856.91
Day Work Value:	\$1,000,000.00
Total Contract Value Including Day Work:	\$14,727,856.91
Revised Total Contract Value Less Day Work:	\$13,904,555.73
Day Work Value as per VO #3:	\$477,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$471,394.05
Total Contract Value Including Day Work:	\$14,727,856.91
Revised Total Contract Value without Day Work for Task Order (VO #4):	\$13,904,555.82
Revised Day Work Amount (VO #4):	\$471,393.14
Total Contract Value Less Day Work VOM:	\$13,659,882.50
Day Work Value VOM:	\$1,061,973.50
Total Contract Value Including Day Work VOM:	\$14,721,856.00

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	(1 to 12) May.15	(13 to 31) May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	TOTAL	
Planned Schedule Value	\$82,755.18	\$165,510.37	\$248,265.55	\$331,020.74	\$413,775.93	\$496,531.12	\$579,286.31	\$662,041.50	\$744,796.69	\$827,551.88	\$910,307.07	\$993,062.26	\$1,075,817.45	\$1,158,572.64	\$1,241,327.83	\$1,324,082.92	\$1,406,838.11	\$1,489,593.30	\$1,572,348.49	\$1,655,103.68	\$1,737,858.87	\$1,820,614.06	\$1,903,369.25	\$1,986,124.44	\$2,068,879.63	\$2,151,634.82	\$2,234,389.91	\$2,317,145.10	\$2,400,000.00
Revised Schedule Value (CUM)	\$72,410.79	\$144,821.58	\$217,232.37	\$289,643.16	\$362,053.95	\$434,464.74	\$506,875.53	\$579,286.32	\$651,697.11	\$724,107.90	\$796,518.69	\$868,929.48	\$941,340.27	\$1,013,751.06	\$1,086,161.85	\$1,158,572.64	\$1,230,983.43	\$1,303,394.22	\$1,375,805.01	\$1,448,215.80	\$1,520,626.59	\$1,593,037.38	\$1,665,448.17	\$1,737,858.96	\$1,810,269.75	\$1,882,680.54	\$1,955,091.33	\$2,027,502.12	\$2,100,000.00
% Planned Schedule (CUM)	0.88%	1.72%	2.56%	3.40%	4.24%	5.08%	5.92%	6.76%	7.60%	8.44%	9.28%	10.12%	10.96%	11.80%	12.64%	13.48%	14.32%	15.16%	16.00%	16.84%	17.68%	18.52%	19.36%	20.20%	21.04%	21.88%	22.72%	23.56%	24.40%
% Revised Schedule (CUM)	0.48%	0.88%	1.27%	1.67%	2.06%	2.46%	2.85%	3.25%	3.64%	4.04%	4.43%	4.83%	5.22%	5.62%	6.01%	6.41%	6.80%	7.20%	7.59%	7.99%	8.38%	8.78%	9.17%	9.57%	9.96%	10.36%	10.75%	11.15%	11.54%
% Actual Schedule (CUM)	0.48%	0.88%	1.27%	1.67%	2.06%	2.46%	2.85%	3.25%	3.64%	4.04%	4.43%	4.83%	5.22%	5.62%	6.01%	6.41%	6.80%	7.20%	7.59%	7.99%	8.38%	8.78%	9.17%	9.57%	9.96%	10.36%	10.75%	11.15%	11.54%



	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	(1 to 12) May.15	(13 to 31) May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.15	TOTAL	
Planned Schedule Value	\$89,031.76	\$178,063.52	\$267,095.28	\$356,127.04	\$445,158.80	\$534,190.56	\$623,222.32	\$712,254.08	\$801,285.84	\$890,317.60	\$979,349.36	\$1,068,381.12	\$1,157,412.88	\$1,246,444.64	\$1,335,476.40	\$1,424,508.16	\$1,513,539.92	\$1,602,571.68	\$1,691,603.44	\$1,780,635.20	\$1,869,666.96	\$1,958,698.72	\$2,047,730.48	\$2,136,762.24	\$2,225,794.00	\$2,314,825.76	\$2,403,857.52	\$2,492,889.28	\$2,581,921.04
Revised Schedule Value (CUM)	\$77,902.79	\$155,805.58	\$233,708.37	\$311,611.16	\$389,513.95	\$467,416.74	\$545,319.53	\$623,222.32	\$701,125.11	\$779,027.90	\$856,930.69	\$934,833.48	\$1,012,736.27	\$1,090,639.06	\$1,168,541.85	\$1,246,444.64	\$1,324,347.43	\$1,402,250.22	\$1,480,153.01	\$1,558,055.80	\$1,635,958.59	\$1,713,861.38	\$1,791,764.17	\$1,869,666.96	\$1,947,569.75	\$2,025,472.54	\$2,103,375.33	\$2,181,278.12	\$2,259,180.91
% Planned Schedule (CUM)	0.87%	1.74%	2.61%	3.48%	4.35%	5.22%	6.09%	6.96%	7.83%	8.70%	9.57%	10.44%	11.31%	12.18%	13.05%	13.92%	14.79%	15.66%	16.53%	17.40%	18.27%	19.14%	20.01%	20.88%	21.75%	22.62%	23.49%	24.36%	25.23%
% Revised Schedule (CUM)	0.47%	0.87%	1.27%	1.67%	2.06%	2.46%	2.85%	3.25%	3.64%	4.04%	4.43%	4.83%	5.22%	5.62%	6.01%	6.41%	6.80%	7.20%	7.59%	7.99%	8.38%	8.78%	9.17%	9.57%	9.96%	10.36%	10.75%	11.15%	11.54%
% Actual Schedule (CUM)	0.47%	0.87%	1.27%	1.67%	2.06%	2.46%	2.85%	3.25%	3.64%	4.04%	4.43%	4.83%	5.22%	5.62%	6.01%	6.41%	6.80%	7.20%	7.59%	7.99%	8.38%	8.78%	9.17%	9.57%	9.96%	10.36%	10.75%	11.15%	11.54%



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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,316,976.57
Original Total Contract Value Less Day Work:	\$5,315,795.00
Revised Total Contract Value Less Day Work VOM:	\$6,321,524.84
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	360 CD
Revised Duration VOM:	377 CD
Revised Contract Duration VOM:	740 CD
Completion Date:	27-Apr-15
Revised Completion Date VOM:	22-May-15
Revised Completion Date VOM:	10-Nov-15
Data Date:	12-May-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	\$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	\$7,077,158.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,522.84
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	360 CD
Original Completion Date:	27-Apr-15
Revised Duration of Contract as per VO #4:	377 CD
Revised Completion Date as per VO #4:	22-May-15
Revised Duration of Contract as per VO #6:	693 CD
Revised Completion Date as per VO #6:	15-Sep-15
Data Date:	12-May-15

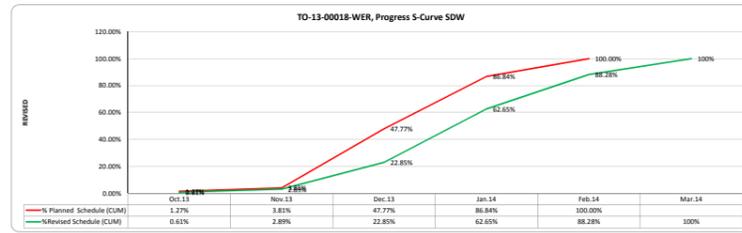
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,534.88
Original Total Contract Value without Day Work for Project 3 (Saadeh)	\$493,535.00
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	12-Mar-14
Data Date:	12-May-15

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

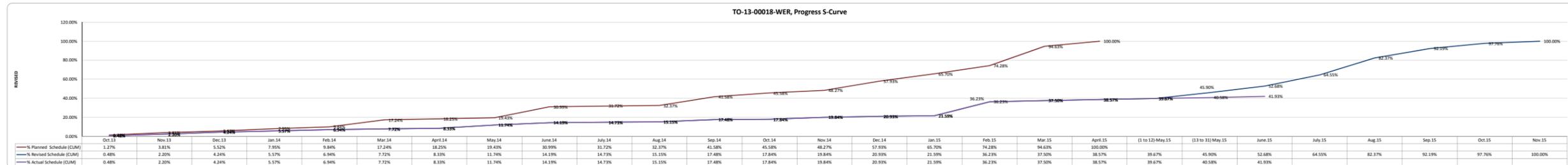
USD	
Total Contract Value Less Day Work:	\$14,027,856.91
Day Work Value:	\$100,000.00
Total Contract Value Including Day Work:	\$14,727,856.91
Revised Total Contract Value Less Day Work:	\$13,366,554.73
Day Work Value as per VO #3:	\$417,903.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.36
Day Work Value:	\$471,394.65
Total Contract Value Including Day Work:	\$14,727,856.91

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	TOTAL
Planned Schedule Value	\$6,268.38	\$12,536.76	\$216,882.41	\$192,873.25	\$64,974.18		\$493,634.98
Revised Schedule Value (CUM)	\$5,484.83	\$18,805.14	\$248,937.64	\$488,938.69	\$493,634.98		\$493,634.98
Planned Schedule Value	\$2,309.40	\$4,618.79	\$76,132.68	\$187,777.68	\$96,435.62	\$44,110.63	\$376,334.82
Revised Schedule Value (CUM)	\$2,309.40	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82	\$376,334.82
% Planned Schedule (CUM)	1.27%	2.54%	4.96%	39.07%	13.16%	100%	100%
% Revised Schedule (CUM)	1.27%	3.81%	41.77%	88.48%	100.00%	100%	100%
% Revised Schedule	0.61%	2.28%	19.86%	39.80%	25.63%	11.72%	100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



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	May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL	
Planned Schedule Value	\$178,055.32	\$156,110.65	\$239,531.63	\$340,863.76	\$216,438.41	\$1,036,568.88	\$1,442,064.08	\$1,616,782.18	\$1,621,107.65	\$1,516,526.35	\$1,291,207.84	\$1,061,117.67	\$877,098.76	\$737,071.89	\$613,324.65	\$509,336.97	\$428,866.66	\$363,338.08	\$307,071.89	\$257,071.89	\$212,071.89	\$172,071.89	\$137,071.89	\$102,071.89	\$67,071.89	\$32,071.89	\$14,027,856.91	
Revised Schedule Value (CUM)	\$178,055.32	\$334,165.87	\$773,697.40	\$1,114,561.36	\$2,150,197.13	\$2,557,813.97	\$2,776,192.54	\$2,962,502.65	\$3,131,504.36	\$3,244,262.83	\$3,293,487.84	\$3,307,810.89	\$3,282,866.02	\$3,228,866.02	\$3,146,324.99	\$3,034,318.68	\$2,896,866.66	\$2,734,338.08	\$2,547,266.66	\$2,335,194.77	\$2,097,122.88	\$1,833,051.00	\$1,533,979.11	\$1,200,907.22	\$843,835.33	\$476,763.44	\$13,366,554.73	
Planned Schedule Value	\$65,599.25	\$234,112.99	\$278,325.90	\$182,267.20	\$186,694.01	\$107,220.80	\$83,311.82	\$465,696.06	\$335,282.18	\$173,205.49	\$56,733.15	\$18,504.21	\$49,749.62	\$272,785.58	\$148,494.87	\$91,053.62	\$1,999,173.49	\$173,344.17	\$146,890.49	\$149,268.84	\$851,691.86	\$926,681.98	\$1,620,477.77	\$2,435,047.32	\$1,340,931.45	\$761,109.39	\$395,728.79	\$13,659,882.50
Revised Schedule Value (CUM)	\$65,599.25	\$300,212.24	\$578,538.14	\$760,805.34	\$947,499.35	\$1,054,720.15	\$1,138,031.97	\$1,603,728.03	\$1,939,010.21	\$2,012,215.70	\$2,068,948.85	\$2,087,433.06	\$2,437,202.68	\$2,709,988.26	\$2,858,483.13	\$2,949,536.75	\$4,948,710.24	\$5,122,054.41	\$5,268,944.90	\$5,418,213.94	\$5,619,905.80	\$5,796,597.68	\$6,048,189.57	\$6,384,261.46	\$6,796,252.91	\$7,287,362.10	\$7,917,911.83	
Actual Schedule Value (CUM)																												
% Planned Schedule	1.27%	1.81%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	1.16%	0.72%	0.65%	0.21%	0.60%	2.09%	6.01%	7.77%	8.58%	20.35%	5.37%									100.00%
% Revised Schedule (CUM)	1.27%	3.81%	5.32%	7.95%	9.84%	17.24%	18.35%	19.43%	20.99%	22.37%	23.37%	24.27%	25.00%	25.72%	26.44%	27.15%	27.86%	28.57%	29.28%	29.99%	30.70%	31.41%	32.12%	32.83%	33.54%	34.25%	34.96%	35.67%
% Revised Schedule	0.48%	1.72%	2.04%	1.33%	0.78%	0.31%	0.12%	0.42%	0.26%	0.14%	0.07%	0.03%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
% Revised Schedule (CUM)	0.48%	2.20%	4.24%	5.57%	6.34%	7.72%	8.33%	11.74%	14.19%	14.73%	15.15%	15.48%	15.81%	16.14%	16.47%	16.80%	17.13%	17.46%	17.79%	18.12%	18.45%	18.78%	19.11%	19.44%	19.77%	20.10%	20.43%	20.76%



SNW 22.3 Site Memos 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.

Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
--------	---------------------	---------------	---------------	----------

There were no site memos issued during the reporting period

SNW 22.4 Material & Equipment Delivered to Site 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.

Material Log

Task Order:		AID-294-TO-13-00018		
Project:		Wells Rehabilitation Project		
Sub-project		Sanur Well Pump Station Rehabilitation and Infrastructure Improvements		
Item	Date	Description	Oty	Location
1	June 4, 2015	Concrete B350	28 m ³	Retaining Wall Foundation from St. (00+00) to St. (00+025) and Duct Bank DBP-9, DBP-10 and DBP-11
2	June 6, 2015	Single size aggregate	20 m ³	Sanur Well
3	June 8, 2015	Concrete B350	17 m ³	Retaining Wall Foundation from St.(00+025) to St.(00+039.5)
4	June 11, 2015	Concrete B350	5 m ³	transformer pad (first level)
5	June 14, 2015	Concrete B350	8 m ³	Transformer Pad (Second Level), Retaining Wall Segment, from St.(00+00) to St.(00+007)
6		Concrete B210	8 m ³	Duct Bank DBS-8 and DBP-8
7		Ceramic tile-Chlorination Walls	145 m ²	Sanur well
8	June 15, 2015	Concrete B210	3 m ³	Electrical Duct Bank DBP-07
9	June 16, 2015	Concrete B350	10 m ³	Retaining Wall Segment, from St.(00+013) to St.(00+020) and from St. (00+027) to St. (00+034)
10		Single size aggregate	60 m ³	Sanur well
11		Base Course	20 m ³	Sanur well
12	June 17, 2015	Single size aggregate	40 m ³	Sanur well
13	June 21, 2015	Concrete B350	6.5 m ³	Retaining Wall from St.(00+007) to St. (00+013) and from St. (00+020) to St.(00+027)
14		Single Size Aggregate	20 m ³	Sanur Well
15	June 22, 2015	Concrete B350	16 m ³	Retaining Wall Foundation from St.(00+039.5) to St.(00+55)
16	June 23, 2015	Base Course	20 m ³	Sanur Well
17	June 25, 2015	Concrete B350	13 m ³	Retaining Wall from St.(00+047) to St.(00+055) and from St.(0 0+33) to St.(00+39.6)
18	June 29, 2015	Concrete B350	16m ³	Retaining Wall Foundation from St. 0+055 to St. 0+065 and from St. 0+033 to St. 0+039.5
19	June 30, 2015	Single size aggregate	16m ³	Sanur Well

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
1	June 1, 2015	JCB Back Hole-1993-1	1	4	
2		Steel Compactor			1
3		Mitsubishi L200-2007	1	8	
4		Diesel Generator			1
5		Level	1	1	
6		Total Station			1
7		Concrete Vibrator			1
8	June 2, 2015	JCB Back Hole-1993-1			1
9		Steel Compactor			1
10		Mitsubishi L200-2007	1	8	
11		Diesel Generator			1
12		Level	1	1	
13		Total Station			1
14		Concrete Vibrator			1
15	June 3, 2015	JCB Back Hole-1993-1	1	8	
16		Steel Compactor			1
17		Mitsubishi L200-2007	1	8	
18		Diesel Generator			1
19		Level	1	1	
20		Total Station			1
21		Concrete Vibrator			1
22	June 4, 2015	JCB Back Hole-1993-1	1	8	
23		Steel Compactor			1
24		Mitsubishi L200-2007	1	8	
25		Diesel Generator			1
26		Level	1	2	
27		Total Station	1	2	
28		Concrete Vibrator	1	2	
29	June 5, 2015	JCB Back Hole-1993-1			1
30		Steel Compactor			1
31		Mitsubishi L200-2007	1	2	
32		Diesel Generator			1
33		Level			1
34		Total Station			1
35		Concrete Vibrator			1

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
36	June 6, 2015	JCB Back Hole-1993-1	1	8	
37		Steel Compactor			1
38		Mitsubishi L200-2007	1	8	
39		Diesel Generator			1
40		Level	1	2	
41		Total Station			1
42		Concrete Vibrator			1
43		Tractor	1	2	
44	June 7, 2015	JCB Back Hole-1993-1	1	8	
45		Steel Compactor			1
46		Mitsubishi L200-2007	1	8	
47		Diesel Generator			1
48		Level	1	2	
49		Total Station			1
50		Concrete Vibrator			1
51	June 8, 2015	JCB Back Hole-1993-1	1	8	
52		Steel Compactor			1
53		Mitsubishi L200-2007	1	8	
54		Diesel Generator			1
55		Level			1
56		Total Station			1
57		Concrete Vibrator	1	1	
58	June 9, 2015	JCB Back Hole-1993-1	1	8	
59		Steel Compactor			1
60		Mitsubishi L200-2007	1	8	
61		Diesel Generator			1
62		Level			1
63		Total Station			1
64		Concrete Vibrator	1	1	
65	June 10, 2015	JCB Back Hole-1993-1	1	8	
66		Steel Compactor			1
67		Mitsubishi L200-2007	1	8	
68		Diesel Generator			1
69		Level			1
70		Total Station			1

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
71		Concrete Vibrator			1
72	June 11, 2015	JCB Back Hole-1993-1	1	4	
73		Steel Compactor			1
74		Mitsubishi L200-2007	1	8	
75		Diesel Generator			1
76		Level			1
77		Total Station			1
78		Concrete Vibrator	1	1	
79	June 12, 2015	JCB Back Hole-1993-1			
80		Steel Compactor			1
81		Mitsubishi L200-2007	1	2	
82		Diesel Generator			1
83		Level			1
84		Total Station			1
85		Concrete Vibrator			1
86	June 13, 2015	JCB Back Hole-1993-1	1	8	
87		Steel Compactor			1
88		Mitsubishi L200-2007	1	8	
89		Diesel Generator			1
90		Level			1
91		Total Station			1
92		Concrete Vibrator			1
93	June 14, 2015	JCB Back Hole-1993-1	1	4	
94		Steel Compactor			1
95		Mitsubishi L200-2007	1	8	
96		Diesel Generator			1
97		Level			1
98		Total Station			1
99		Concrete Vibrator	1	1	
100	June 15, 2015	JCB Back Hole-1993-1	1	8	
101		Steel Compactor			1
102		Mitsubishi L200-2007	1	8	
103		Diesel Generator			1
104		Level	1	4	
105		Total Station			1

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
106		Concrete Vibrator			1
107		Truck	1	8	
108	June 16, 2015	JCB Back Hole-1993-1	1	8	
109		Steel Compactor	1	4	
110		Mitsubishi L200-2007	1	8	
111		Diesel Generator			1
112		Level	1	4	
113		Total Station	1	4	
114		Concrete Vibrator	1	1	
115	June 17, 2015	JCB Back Hole-1993-1	1	8	
116		Steel Compactor	1	2	
117		Mitsubishi L200-2007	1	8	
118		Diesel Generator			1
119		Level	1	2	
120		Total Station			1
121		Concrete Vibrator			1
122	June 18, 2015	JCB Back Hole-1993-1	1	8	
123		Steel Compactor			1
124		Mitsubishi L200-2007	1	8	
125		Diesel Generator			1
126		Level	1	2	
127		Total Station			1
128		Concrete Vibrator			1
129		Truck	1	4	
130	June 19, 2015	JCB Back Hole-1993-1			1
131		Steel Compactor			1
132		Mitsubishi L200-2007	1	2	
133		Diesel Generator			1
134		Level			1
135		Total Station			1
136		Concrete Vibrator			1
137	June 20, 2015	JCB Back Hole-1993-1	1	2	
138		Steel Compactor			1
139		Mitsubishi L200-2007	1	8	
140		Diesel Generator			1

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
141		Level	1	2	
142		Total Station			1
143		Concrete Vibrator			1
144	June 21, 2015	JCB Back Hole-1993-1	1	8	
145		Steel Compactor	1	4	1
146		Mitsubishi L200-2007	1	8	
147		Diesel Generator			1
148		Level	1	2	
149		Total Station	1	2	
150		Concrete Vibrator	1	1	
151		Truck	1	4	
152	June 22, 2015	JCB Back Hole-1993-1	1	8	
153		Steel Compactor			1
154		Mitsubishi L200-2007	1	8	
155		Diesel Generator			1
156		Level	1	1	
157		Total Station			1
158		Concrete Vibrator	1	1	
159	June 23, 2015	JCB Back Hole-1993-1	1	8	
160		Steel Compactor	1	4	
161		Mitsubishi L200-2007	1	8	
162		Diesel Generator			1
163		Level			1
164		Total Station			1
165		Concrete Vibrator	1	1	
166	June 24, 2015	JCB Back Hole-1993-1	1	8	
167		Steel Compactor	1	4	
168		Mitsubishi L200-2007	1	8	
169		Diesel Generator			1
170		Level	1	2	
171		Total Station			1
172		Concrete Vibrator			1
173		JCB Back Hole-1993-1	1	8	
174		Steel Compactor	1	4	
175		Mitsubishi L200-2007	1	8	

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
176	June 25, 2015	Diesel Generator			1
177		Level	1	1	
178		Total Station			1
179		Concrete Vibrator	1	2	
180	June 26, 2015	JCB Back Hole-1993-1			1
181		Steel Compactor	1	4	
182		Mitsubishi L200-2007	1	2	
183		Diesel Generator			1
184		Level			1
185		Total Station			1
186		Concrete Vibrator			1
187	June 27, 2015	JCB Back Hole-1993-1	1	8	
188		Steel Compactor	1	4	
189		Mitsubishi L200-2007	1	8	
190		Diesel Generator			1
191		Level	1	2	
192		Total Station			1
193		Concrete Vibrator			1
194	June 28, 2015	JCB Back Hole-1993-1	1	4	
195		Steel Compactor			
196		Mitsubishi L200-2007	1	8	
197		Diesel Generator			1
198		Level			1
199		Total Station			1
200		Concrete Vibrator			1
201	June 29, 2015	JCB Back Hole-1993-1	1	8	
202		Steel Compactor			1
203		Mitsubishi L200-2007	1	8	
204		Diesel Generator			1
205		Level			1
206		Total Station			1
207		Concrete Vibrator	1	1	
208		JCB Back Hole-1993-1	1	8	
209		Steel Compactor			1
210		Mitsubishi L200-2007	1	8	

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
211	June 30, 2015	Diesel Generator			1
212		Level	1	1	
213		Total Station			1
214		Concrete Vibrator			1

SNW 22.5 Inspection Requests Log

DISCLAIMER:

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

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

Inspection Requests Log
IRD/BV

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

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-052-B	June 4, 2015	June 4, 2015	Inspecting bladder hydro-pneumatic tank as per attached MRR	June 4, 2015	No Exceptions Noted		
IR-13-00018-WER-056-B	June 17, 2015	June 17, 2015	Inspecting Full Face Gasket as per attached MRR	June 17, 2015	No Exceptions Noted		
IR-13-00018-WER-059-A	June 1, 2015	June 1, 2015	Inspecting float level switches as per attached MRR	June 1, 2015	No Exceptions Noted		
IR-13-00018-WER-060-A	June 14, 2015	June 14, 2015	Inspecting wall tiles as per attached MRR	June 14, 2015	No Exceptions Noted		
IR-13-00018-WER-061-A	June 14, 2015	June 14, 2015	Inspecting cable and cable lugs as per attached MRR	June 14, 2015	No Exceptions Noted		
IR-13-00018-WER-062-A	June 16, 2015	June 17, 2015	Inspecting floor tiles as per attached MRR	June 17, 2015	Amend - Resubmit		
IR-13-00018-WER-063-A	June 16, 2015	June 17, 2015	Inspecting walls and floor tiles as per attached MRR	June 17, 2015	No Exceptions Noted		
IR-13-00018-WER-064-A	June 24, 2015	June 24, 2015	Inspecting manhole cover and frame as per attached MRR	June 24, 2015	Amend - Resubmit		
IR-13-00018-WER-065-A	June 29, 2015	June 29, 2015	Inspecting magnetic flow meter as per attached MRR	June 29, 2015	Amend - Resubmit		

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

Inspection Requests Log

IRD/BV

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

Project: Wells Rehabilitation Project

Sender/ Recipient: IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-SNW-314-A	June 1, 2015	June 2, 2015	Inspect the installed duct banks and conduits prior concrete casting as per marked drawing	June 2, 2015	No Exceptions Noted		
IR-13-00018-SNW-315-A	June 3, 2015	June 4, 2015	Inspect the formwork and reinforcement steel of the retaining wall foundation from station(00+00) to station (00+025) prior concrete casting	June 4, 2015	No Exceptions Noted		
IR-13-00018-SNW-316-A	June 7, 2015	June 7, 2015	Inspect the formwork and reinforcement steel of the retaining wall foundation from Station (00+025) to Station (00+039.5) prior concrete casting	June 8, 2015	No Exceptions Noted		
IR-13-00018-SNW-317-A	June 7, 2015	June 7, 2015	Inspect the installation of electrical duct bank DBS-02 prior to concrete casting	June 7, 2015	Amend and Resubmit		
IR-13-00018-SNW-317-B	June 9, 2015	June 9, 2015	Inspect the installation of electrical duct bank DBS-02 prior to concrete casting	June 9, 2015	No Exceptions Noted		
IR-13-00018-SNW-318-A	June 11, 2015	June 11, 2015	Inspect the formwork and reinforcement steel of the transformer pad prior concrete casting	June 11, 2015	No Exceptions Noted		
IR-13-00018-SNW-319-A	June 14, 2015	June 14, 2015	Inspect the formwork and reinforcement steel of the retaining wall from St. (00+00) to St. (00+07) prior concrete casting	June 14, 2015	No Exceptions Noted		
IR-13-00018-SNW-320-A	June 14, 2015	June 14, 2015	Inspect the formwork and reinforcement steel of the transformer pad prior concrete casting (second level)	June 14, 2015	No Exceptions Noted		
IR-13-00018-SNW-321-A	June 14, 2015	June 14, 2015	Inspect the installation of electrical duct banks DBP-08 and DBS-08 prior concrete casting	June 14, 2015	No Exceptions Noted		
IR-13-00018-SNW-322-A	June 15, 2015	June 15, 2015	Inspect the formwork and reinforcement steel of the retaining wall from St. (00+013) to St. (00+020) prior concrete casting	June 15, 2015	No Exceptions Noted		
IR-13-00018-SNW-323-A	June 15, 2015	June 15, 2015	Inspect the installation of electrical duct bank DBP-07 prior concrete casting	June 15, 2015	No Exceptions Noted		
IR-13-00018-SNW-324-A	June 15, 2015	June 15, 2015	Inspect the excavation level-290.43 of the retaining wall, from St. (00+039.5) to St. (00+060) prior to start spreading subgrade layer	June 15, 2015	No Exceptions Noted		
IR-13-00018-SNW-325-A	June 15, 2015	June 16, 2015	Inspect the installed drain pipes at the booster room area prior backfill	Retracted on June 16, 2015			
IR-13-00018-SNW-325-A	June 18, 2015	June 18, 2015	Inspect the installed drain pipes at the booster room area prior backfill	June 18, 2015	No Exceptions Noted		
IR-13-00018-SNW-326-A	June 16, 2015	June 16, 2015	Inspect the formwork and reinforcement steel of retaining wall from St.(00+027) to St.(00+034) prior concrete casting	June 16, 2015	No Exceptions Noted		
IR-13-00018-SNW-327-A	June 16, 2015	June 16, 2015	Inspect the subgrade level-290.63 of the retaining wall, from St.(00+039.5) to St.(00+060) prior spreading the base course layer	June 16, 2015	No Exceptions Noted		
IR-13-00018-SNW-328-A	June 17, 2015	June 17, 2015	Inspecting the base course level-290.83 for the retaining wall, from St.(00+039.5) to St.(00+060) prior to start foundation formwork	June 17, 2015	No Exceptions Noted		
IR-13-00018-SNW-329-A	June 18, 2015	June 21, 2015	Inspect the formwork and reinforcement steel of retaining wall from St.(00+007) to St.(00+013) and from St.(00+0200 to St.(00+027) prior concrete casting	June 21, 2015	No Exceptions Noted		
IR-13-00018-SNW-330-A	June 21, 2015	June 21, 2015	Inspect the location and leveling of the rig slab prior base course layer	June 21, 2015	No Exceptions Noted		
IR-13-00018-SNW-331-A	June 21, 2015	June 22, 2015	Inspect the formwork and reinforcement steel of the retaining wall foundation from St.(00+039.5) to St. (00+055) prior concrete casting	June 22, 2015	No Exceptions Noted		
IR-13-00018-SNW-332-A	June 23, 2015	June 24, 2015	Inspecting second plastering coat for east and north elevations of electrical control room prior applying the final plastering coat	June 24, 2015	No Exceptions Noted		
IR-13-00018-SNW-333-A	June 24, 2015	June 25, 2015	Inspect the formwork and reinforcement steel for retaining wall from St. (00+047) to St. (00+055) prior concrete casting	June 25, 2015	No Exceptions Noted		
IR-13-00018-SNW-334-A	June 25, 2015	June 25, 2015	Inspect the concrete surface preparation of the retaining wall foundation from St(00+00) to St.(00+027) prior applying the bitumen insulation (Nito proof)	June 25, 2015	No Exceptions Noted		
IR-13-00018-SNW-335-A	June 28, 2015	June 28, 2015	Inspect the base course level of the rig slab (293.70) prior the formwork and reinforcement steel	June 28, 2015	No Exceptions Noted		
IR-13-00018-SNW-336-A	June 28, 2015	June 29, 2015	Inspect the installed perforated pipes around the balance tank foundation prior backfill	June 29, 2015	No Exceptions Noted		
IR-13-00018-SNW-337-A	June 28, 2015	June 28, 2015	Inspect the formwork and reinforcement steel of the retaining wall foundation from St.(00+055) to St.(00+065) prior concrete casting	June 28, 2015	No Exceptions Noted		
IR-13-00018-SNW-338-A	June 29, 2015	June 30, 2015	Inspect the bitumen insulation (Nito proof) of the retaining wall foundation from St(00+00) to St.(00+027) prior to start backfilling	June 30, 2015	No Exceptions Noted		
IR-13-00018-SNW-339-A	June 29, 2015	June 30, 2015	Inspect the formwork and reinforcement steel of the retaining wall from St. (00+039.5) to St. (00+047) prior concrete casting	June 30, 2015	No Exceptions Noted		

Color	Response Index
	Amend-Resubmit
	No Exceptions Noted
	Pending

Inspection Requests Log

IRD/BV

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

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-SNW-340-A	June 30, 2015	June 30, 2015	Inspect the excavation level (290.40) of the retaining wall foundation from St.(00+065) to St.(00+075) prior spreading subgrade layer	June 30, 2015	No Exceptions Noted		
IR-13-00018-SNW-341-A	June 30, 2015	July 1, 2015	Inspecting vertical turbine booster pump and pipes as per attached MRR				

SNW 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.

Project 1-ARW Arraba Well Pump Station
Project 2-SNW Sanur Well Pump Station
Project 3-SDW Sadeh Well Rehabilitation

NOA:

25-Sep-13

Submittal Categories	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE/OTHER TEST REPORT SPECIFICATIONS REPORT SAMPLE COMPLETION & CLOSURE MATERIAL	Submittal Classification PCS CONS PSTS	Installation Construction Post construction	Identifiers WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier								Resubmittal Alpha Identifier							Submit Disposition / Color Coding
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
SUB-00018-WER-527-B	Level Detection Switches-Conductance Probe	Section: 17107- Paragraph: 2.2	PD	CONS	SUB	WER				B	June 15, 2015	June 16, 2015		July 16, 2015	June 23, 2015	7	B		
SUB-00018-WER-834-C	Arraba Booster and Well Pumps + Sanur Well Pump - Hydraulic Test Report	Section: 11103 & 11101	AD	CONS	SUB	WER				C	From main contractor directly	June 4, 2015		July 4, 2015	June 4, 2015	0	A		
SUB-00018-ARW-865-B	Transformer Pad Shop Drawings (Architectural & Structural) - Arraba	Section: 03300	SD	CONS	SUB	ARW				B	June 13, 2015	June 14, 2015		July 14, 2015	June 23, 2015	9	B		
SUB-00018-SNW-866-B	Transformer Pad Shop Drawings (Architectural & Structural) - Sanur	Section: 03300	SD	CONS	SUB	SNW				B	June 1, 2015	June 1, 2015		July 1, 2015	June 8, 2015	7	B		
SUB-00018-WER-887-B	Panel Boards	16050: (2.2.2.2.2.3,2.4) 16470: (1.2,(2.1(A,B))-(2.2(A,B,C))	PD	CONS	SUB	WER				B	From main contractor directly	June 17, 2015		July 17, 2015	June 24, 2015	7	B		
SUB-00018-SNW-922-B	Field Density Compaction Test for Substrata - RW from Station (0+00 to 0+12.50) - Level 291.90m	Section: 02200	TR	CONS	Lab Test	SNW				B	From main contractor directly	June 3, 2015		July 3, 2015	June 4, 2015	1	A		
SUB-00018-SNW-923-B	Field Density Compaction Test for Subgrade - RW from Station (0+00 to 0+12.50) - Level 291.90m	Section: 02200	TR	CONS	Lab Test	SNW				B	From main contractor directly	June 3, 2015		July 3, 2015	June 4, 2015	1	A		
SUB-00018-WER-931-B	Motor Control Center Factory Drawings and Components	Section: 16485, 16480 & 16050	PD	CONS	SUB	WER				B	From main contractor directly	June 3, 2015		July 3, 2015	June 15, 2015	12	B		
SUB-00018-SNW-934-B	Field Density Compaction Test for Substrata - RW from Station (0+012.5 to 0+025) - Level 291.10m	Section 02200	TR	CONS	Lab Test	SNW				B	From main contractor directly	June 3, 2015		July 3, 2015	June 4, 2015	1	A		
SUB-00018-SNW-935-B	Field Density Compaction Test for Subgrade - RW from Station (0+012.5 to 0+025) - Level 291.30m	Section 02200	TR	CONS	Lab Test	SNW				B	From main contractor directly	June 3, 2015		July 3, 2015	June 4, 2015	1	A		
SUB-00018-SNW-936-B	Field Density Compaction Test for Base Course - RW from Station (0+000 to 0+012.5) - Level 292.30m	Section 02200	TR	CONS	Lab Test	SNW				B	From main contractor directly	June 3, 2015		July 3, 2015	June 4, 2015	1	A		
SUB-00018-ARW-964-B	Arraba Well Pump VFD Installation Shop Drawings - 300 HP	Section: 16457- Paragraph: 1.3	SD	CONS	SUB	ARW				B	From main contractor directly	June 2, 2015		July 2, 2015	June 4, 2015	2	B		
SUB-00018-ARW-970-B	Preliminary Operation & Maintenance Manuals/Section 1A/Vertical Turbine Well Pump	Section: 11101	AD	CONS	SUB	ARW				B	From main contractor directly	June 22, 2015		July 22, 2015				Pending	
SUB-00018-SNW-1012-B	Preliminary Operation & Maintenance Manuals/ Section 1A/Vertical Turbine Well Pump - Sanur	Section: 11101	AD	CONS	SUB	SNW				B	From main contractor directly	June 24, 2015		July 24, 2015				Pending	
SUB-00018-WER-1023-B	Revised Original CPM Construction Schedule - May 12, 2015	Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER				B	From main contractor directly	June 2, 2015		July 2, 2015	June 4, 2015	2	B		
SUB-00018-WER-1023-C	Revised Original CPM Construction Schedule - May 12, 2015	Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER				C	From main contractor directly	June 7, 2015		July 7, 2015	June 9, 2015	2	A		
SUB-00018-WER-1024-B	Tank Mounted Air Compressor	Section: 11511, Paragraph: 2.1A & C	PD	CONS	SUB	WER				B	June 13, 2015	June 16, 2015		July 16, 2015	June 18, 2015	2	B		
SUB-00018-WER-1026-B	Valves List and Schedule for Arraba and Sanur	Sections: 15217	AD	CONS	SUB	WER				B	From main contractor directly	June 7, 2015		July 7, 2015	June 8, 2015	1	A		
SUB-00018-ARW-1055-A	Revised Shop Drawings for Arraba Booster Pump - Structural	Section: 11101- Paragraph: 1.3	SD	CONS	SUB	ARW				A	May 31, 2015	June 1, 2015		July 1, 2015	June 14, 2015	13	A		
SUB-00018-WER-1056-A	Arraba and Sanur PLC S7-1500	Section: 17510	PD	CONS	SUB	WER				A	From main contractor directly	June 1, 2015		July 1, 2015	June 7, 2015	6	B		
SUB-00018-WER-1057-A	Visual Inspection Report of Welded Joints for Steel Barrel with Flange for Arraba Project - Forth Barrel	Section: 02570	TR	CONS	Lab Test	ARW				A	From main contractor directly	June 1, 2015		July 1, 2015	June 1, 2015	0	A		
SUB-00018-ARW-1058-A	Arraba Mechanical and Fabrication Shop Drawings as per VO-13-00018-WER-006	Section: 15000	SD	CONS	SUB	ARW				A	May 30, 2015	June 1, 2015		July 1, 2015	June 3, 2015	2	B		
SUB-00018-WER-1059-A	Liquid Flow Detection Devices - Alternative	Section: 17103- Paragraph: 1.2	PD	CONS	SUB	WER				A	From main contractor directly	June 2, 2015		July 2, 2015	June 3, 2015	1	A		
SUB-00018-SNW-1060-A	Field Density Compaction Test for Subgrade - RW Foundation - Station (0+025 to 0+039.5) / Level 290.60 m	Section 02200	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 2, 2015		July 2, 2015	June 3, 2015	1	A		
SUB-00018-SNW-1061-A	Field Density Compaction Test for Base Course - RW Foundation - Station (0+000 to 0+025)	Section 02200	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 2, 2015		July 2, 2015	June 3, 2015	1	A		
SUB-00018-WER-1062-A	Toilet and Bath Accessories	Section: 10800- Paragraph: 2.2	PD	CONS	SUB	WER				A	June 1, 2015	June 2, 2015		July 2, 2015	June 3, 2015	1	A		
SUB-00018-ARW-1063-A	Modified Shop Drawings for Booster Pumps Steel Shed as per VO-13-00018-WER-006 - Arraba	Section: 05100- Paragraph: 1.3B	SD	CONS	SUB	ARW				A	June 2, 2015	June 2, 2015		July 2, 2015	June 14, 2015	12	C		
SUB-00018-ARW-1064-A	Revised Electrical Shop Drawings for Arraba Booster Pumps	Section: 16110- Paragraph: 1.2B	SD	CONS	SUB	ARW				A	June 2, 2015	June 3, 2015		July 3, 2015	June 11, 2015	8	C		
SUB-00018-ARW-1064-B	Revised Electrical Shop Drawings for Arraba Booster Pumps	Section: 16110- Paragraph: 1.2B	SD	CONS	SUB	ARW				B	June 16, 2015	June 21, 2015		July 21, 2015	June 24, 2015	3	A		
SUB-00018-WER-1065-A	Medium Voltage Cable Test Results	Section: 16120- Paragraph: 3.5	TR	CONS	Lab Test	WER				A	June 3, 2015	June 3, 2015		July 3, 2015	June 4, 2015	1	D		
SUB-00018-WER-1066-A	QC Monthly Report- May 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER				A	From main contractor directly	June 7, 2015		July 7, 2015	June 10, 2015	3	C		
SUB-00018-WER-1066-B	QC Monthly Report- May 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER				B	From main contractor directly	June 21, 2015		July 21, 2015	June 21, 2015	0	A		
SUB-00018-WER-1067-A	Precast Concrete Sewage Manhole	Section: 02490- Paragraph: 2.1A	PD	CONS	SUB	WER				A	June 3, 2015	June 7, 2015		July 7, 2015	June 18, 2015	11	B		
SUB-00018-WER-1068-A	Training Manual Index and Summary Plan	Section: 01670	AD	CONS	SUB	WER				A	From main contractor directly	June 8, 2015		July 8, 2015	June 10, 2015	2	C		
SUB-00018-SNW-1069-A	Sanur 1000 KVA Padmount Transformer Underground Conduits-Shop Drawing	Section 16110 Paragraph: 1.2B	SD	CONS	SUB	SNW				A	June 8, 2015	June 8, 2015		July 8, 2015	June 10, 2015	2	A		
SUB-00018-ARW-1070-A	Seismic Analysis for Arraba Additional Boosters	Section: 11103	AD	CONS	SUB	ARW				A	From main contractor directly	June 9, 2015		July 9, 2015	June 10, 2015	1	A		
SUB-00018-ARW-1071-A	PVC Monitoring Access Pipes - Schedule 80 for Arraba Well Pump - Spare	Section: 11101, Paragraph: 2.2 C	PD	CONS	SUB	ARW				A	From main contractor directly	June 9, 2015		July 9, 2015	June 10, 2015	1	A		
SUB-00018-ARW-1072-A	Preliminary Operation & Maintenance Manuals/ Section 5A/Arraba Booster Pumps Flow Control Valves	Section: 15217	AD	CONS	SUB	ARW				A	June 8, 2015	June 9, 2015		July 9, 2015	June 21, 2015	12	C		
SUB-00018-SNW-1073-A	Preliminary Operation & Maintenance Manuals/ Section 5A/Sanur Booster Pumps Flow Control Valves	Section: 15217	AD	CONS	SUB	SNW				A	June 8, 2015	June 9, 2015		July 9, 2015	June 21, 2015	12	C		
SUB-00018-SNW-1074-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Foundation of Septic Tank	Section 03300	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 10, 2015	0	A		
SUB-00018-SNW-1075-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Roof Slab for Washout Manholes Near & Behind of BT	Section 03300	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 10, 2015	0	A		
SUB-00018-ARW-1076-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Manholes (Foundation MHS-3 & MHS-4 and Walls MHS-1 & MHS-2 and DBP-05, DBS-04, DBP-04, DBP-05, DBS-05 & DBP-05)	Section 03300	TR	CONS	Lab Test	ARW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 10, 2015	0	A		
SUB-00018-SNW-1077-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Manholes Walls (MHP-2, MHP-5 & MHS-04)	Section 03300	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 14, 2015	4	A		
SUB-00018-SNW-1078-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DB-05, DBS-04, DBP-04, DBP-05, DBS-05 & DBP-05)	Section 03300	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 14, 2015	4	A		
SUB-00018-SNW-1079-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Manholes MHS-5 & MHP-3 and Foundation of Washout Manholes Near & Behind of BT	Section 03300	TR	CONS	Lab Test	SNW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 14, 2015	4	A		
SUB-00018-ARW-1080-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Duct Bank (DBP-14 Part 1 & DBP-1-Part 1), Electrical Manholes (MHS-03 & MHS-04) and Washout Manhole Walls	Section 03300	TR	CONS	Lab Test	ARW				A	From main contractor directly	June 10, 2015		July 10, 2015	June 14, 2015	4	A		
SUB-00018-WER-1081-A	Monthly Safety Plan Update - May 2015	Monthly Safety Plan Update - May 2015	AD	CONS	SUB	WER				A	From main contractor directly	June 10, 2015		July 10, 2015	June 11, 2015	1	A		
SUB-00018-WER-1082-A	Monthly Environmental Plan Update and Mitigation Plan Update- May 2015	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER				A	From main contractor directly	June 10, 2015		July 10, 2015	June 11, 2015	1	B		
SUB-00018-WER-1083-A	Monthly Risk Management Plan Update - May 2015	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER				A	From main contractor directly	June 11, 2015		July 11, 2015	June 11, 2015	0	A		
SUB-00018-WER-1084-A	Pipes Insulation	Section 15145- Paragraph: 2.3	PD	CONS	SUB	WER				A	From main contractor directly	June 11, 2015		July 11, 2015	June 15, 2015	4	A		
SUB-00018-WER-1085-A	Fertilizers for Trees Replanting	Section 02900- Paragraph: 2.3	PD	CONS	SUB	WER				A	From main contractor directly	June 11, 2015		July 11, 2015	June 18, 2015	7	A		

SNW 22.7 Requests for Information Log

DISCLAIMER:

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

Task Order: Task Order: 00018-WER

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

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
---------	----------------	--------------	-------------------	-------------	----------------------------	--------------------	-----------------------------	-----------------------------------	--------	-------------------	------------------------

No RFIs were issued during the current reporting period

SNW 22.8 Variation Order Request and Variation Order Log

DISCLAIMER:

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

Task Order:	Task Order: 00018-WER	NTP:	October 23, 2013
Projects:	Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements	NOA:	September 25, 2013
	Project 2-SNW Samir 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 issued during the current reporting period (from June 01 to June 30, 2015)

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		

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-010-B	June 22, 2015		0Days	8,023.31		B.O.Q 4.5.1, 4.5.2, 6.4.5, 7.4.4, 8.3.4, 9.3.3 & 10.4.1	BV response on RFI#021, 4- BV response on VOR-13-00018-WER-010-A & 5- Contractor response on BV comments-VOR-13-00018-WER-010-A	Lightning Protection System		
VOR-00018-WER-016-A	June 22, 2015		0 Days	Total for this VOR ARW/ Option (1)=\$339,040.00 Total for this VOR ARW/ Option (2)=\$188,730.00 & Total for this VOR SNW/ Option (1)=\$383,500.00 Total for this VOR SNW/ Option (2)=\$221,400.00			New Items-VO#005	Supply of two new vertical line shaft well pumps for SNW and ARW wells with all relevant accessories and ancillaries		
VOR-00018-WER-017-A	June 23, 2015		0 Days	Total for this VOR-ARW = \$93,511.72 Total for this VOR-SNW = \$75,475.56			New Items-SM#010 & 014	Changes in the Electrical Equipment as per SM#010, SM#014		
VOR-00018-WER-018-A	June 24, 2015		0 Days	Total for this VOR= 66523.48		B.O.Q 3.4.3-New Item		Temporary Pumping to Communities from SNW Well		
VOR-00018-WER-019-A	June 28, 2015		0 Days	This VOR for ARW (\$0.0) This VOR for SNW (\$0.0)		B.O.Q 7.2.9-New Item	RFI#058	Roof Insulation Membrane for both Arraba and Sanur Projects		
VOR-00018-WER-020-A	June 28, 2015		0 Days	Total saving (ARW+SNW) for this VOR = (\$2,420.00)		B.O.Q 9.3-New Items	RFI#065	Medium Voltage Metal-Enclosed Switch Gear 36K		
VOR-00018-WER-021-A	June 28, 2015		0 Days	Total saving (ARW+SNW) for this VOR = (\$1,000.00)			RFI#071	XLPE Coated Control Cables-Changing Coating to PVC		

SNW 22.9 Employment Generated Data

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.

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
 Tempromray Job Days Summary Report

Task Order Name: Wells Rehabilitation Project-WER

PERIOD FROM: Oct-23-2013 (NTP)

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

PERIOD TO:

CONTRACTOR: IRD

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Males)	Total Job Days (Females)	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	0	0	0	0	0	0	0	0		
November	2013	36	0	4	7	3	50	2	50	0	
December	2013	45	14	9	3	24	95	4	87	8	
January	2014	65	39	3	2	72	181	8	152	29	
February	2014	60	38	0	0	69	167	7	138	29	
March	2014	75	49	3	6	67	199	8	158	41	
April	2014	79	72	196	162	208	716	30	650	66	
May	2014	95	87	188	185	255	810	34	745	65	
June	2014	83	83	90	107	168	530	22	478	52	
July	2014	75	72	99	48	160	453	19	406	47	
August	2014	68	78	73	40	183	441	19	389	52	
September	2014	79	78	204	137	203	700	29	654	46	
Total of FY 2014							4341	182.3844538	3905	435	
October	2014	67	66	167	133	197	629	26	596	33	
November	2014	80	78	209	158	188	712	30	673	39	
December	2014	80	80	180	171	200	710	30	670	40	
January	2015	71	67	136	119	197	589	25	553	36	
February	2015	68	66	118	116	182	548	23	508	40	
March	2015	81	80	189	166	216	731	31	665	67	
April	2015	78	77	225	200	217	796	33	733	64	
May	2015	78	77	218	195	240	808	34	744	64	
June	2015	78	76	210	113	225	702	30	639	63	
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							6224	261.512605			

USAID WEST BANK/ GAZA
 INFRASTRUCTURE NEEDS PROGRAM INPII
 CONTRACT NO. AID-294-I-00-12-00013
 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- Samur Pump Station
 CONTRACTOR: IRD
 SUBCONTRACTOR: Al Abbasi Company

DATE	Worker/Classification (Hours)																				Man-days*									
	Management					Engineers					Skilled labor					Unskilled labor					Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other					
	Task Order Manager	Quality Control Manager	Safety & Env. Manager	Project Manager (P, PE, etc.)	Document Control Engineer (D)	Document Control Engineer	Civil Engineer (P)	Office Engineer	Site Engineer	Supervisor	Skilled Labor	Foreman	Equipment Operator	Higman	Unskilled Labor	Guard / Security	Janitor (P)	Janitor	Document Control Officer	Surveyor						Surveyor Assistant	CNT	Geologist	Diver	High Supervisor
June 1, 2015	4	4	4	12	8		4	4	8	8	48	8	4		40	40	8	8	4	4						3	3	8.5	5	8
June 2, 2015	4	4	4	12	8		4	4	8	8	48	8	0		40	40	8	8	4	1						3	3	8	5	7.625
June 3, 2015	4	4	4	12	8		4	4	8	8	48	8	8		32	40	8	8	4	4						3	3	9	4	8
June 4, 2015	4	4	4	12	8		4	4	8	8	40	8	8		32	40	8	8	4	4						3	3	8	4	8
June 5, 2015															2	40										0	0	0	0.25	5
June 6, 2015	4	4	4	12	8		4	4	8	8	32	8	8		40	40	8	8	0	4			2			3	3	7	5	7.75
June 7, 2015	4	4	4	12	8		4	4	8	8	32	8	8		40	40	8	0	4	4						3	3	7	5	7
June 8, 2015	4	4	4	12	8		4	4	8	8	32	8	8		32	40	8	8	4	4						3	3	7	4	8
June 9, 2015	4	4	4	12	8		4	4	8	8	24	8	4		24	40	8	8	4	4						3	3	5.5	3	8
June 10, 2015	4	4	4	12	8		4	4	8	8	40	8	8		32	40	8	8	4	0		8			3	3	8	4	8.5	
June 11, 2015	4	4	4	12	8		4	4	8	8	40	8	4		32	40	8	8	4	0					3	3	7.5	4	7.5	
June 12, 2015															2	40									0	0	0	0.25	5	
June 13, 2015	4	4	4	12	4		4	4	8	8	32	8	8		40	40	8	8	0	0					3	2.5	7	5	7	
June 14, 2015	4	4	4	12	8		4	4	8	8	40	8	4		32	40	8	8	4	0					3	3	7.5	4	7.5	
June 15, 2015	4	4	4	12	8		4	4	8	8	40	8	16		32	40	8	8	4	0					3	3	9	4	7.5	
June 16, 2015	4	4	4	12	8		4	4	8	8	24	8	12		32	40	8	8	4	4					3	3	6.5	4	8	
June 17, 2015	4	4	4	12	8		4	4	8	8	32	8	10		32	40	8	8	4	4					3	3	7.25	4	8	
June 18, 2015	4	4	4	12	8		4	4	8	8	48	8	8		48	40	8	8	4	4			4		3	3	9	6	8.5	
June 19, 2015															2	40									0	0	0	0.25	5	
June 20, 2015	4	4	4	12	4		4	4	8	8	32	8	2		48	40	8	8	4	4					3	2.5	6.25	6	8	
June 21, 2015	4	4	4	12	8		4	4	8	8	40	8	12		48	40	8	8	4	4			4		3	3	8.5	6	8.5	
June 22, 2015	4	4	4	12	8		4	4	8	8	64	8	8		32	40	8	8	4	4					3	3	11	4	8	
June 23, 2015	4	4	4	12	8		4	4	8	8	64	8	12		32	40	8	8	4	4					3	3	11.5	4	8	
June 24, 2015	4	4	4	12	8		4	4	8	8	56	8	12		32	40	8	8	4	4					3	3	10.5	4	8	
June 25, 2015	4	4	4	12	8		4	4	8	8	32	8	12		24	40	8	8	4	4					3	3	7.5	3	8	
June 26, 2015												4	4		1	40									0	0	1	0.125	5	
June 27, 2015	4	4	4	12	4		4	4	8	8	56	8	12		32	40	8	8	4	4					3	2.5	10.5	4	8	
June 28, 2015	4	4	4	12	4		4	4	8	8	24	8	4		24	40	8	8	4	4					3	2.5	5.5	3	8	
June 29, 2015	4	4	4	12	8		4	4	8	8	40	8	8		32	40	8	8	4	4					3	3	8	4	8	
June 30, 2015	4	4	4	12	8		4	4	8	8	40	8	8		32	40	8	8	4	4					3	3	8	4	8	
Total of Month	104	104	104	312	192	0	104	104	208	208	1048	212	212	0	903	1200	208	200	96	81	0	8	0	10	0	78	76	210	113	225

SNW 22.10 Risk Register 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.

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

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLS	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBILITY	IMPACT	SK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lays during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	Delay in work,water shortage in the villages.	Contractor	11th of July,2014	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 underground power cable was exposed then protected properly. Piping system -in all times- will be avoided during excavations and necessary repair will immediately be performed if any pipe is incidentally broken.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel enjuries (electric shock).	Contractor	11th of July,2014	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	Falls and Equipment	These hazards include exposure to falls, falling loads, and mobile equipment.	Personnel enjuries and delay in work.	Contractor	4th of August,2014	1	2	2	No	No	Mitigate	Keep materials or equipment that might fall or roll into an excavation at least 2 feet from the edge of excavations, or have retaining devices, or both. Provide warning systems such as mobile equipment, barricades. To avoid being struck by any spillage or falling materials, require employees to stand away from vehicles being loaded or unloaded.	IRD	Existing	
4	Contractor	Delay in procurement of transformer and switchgear.	Procurement of transformer and switchgear. might encounter a delay due changing supplier. The original supplier failed to fulfill specifications as per first few submittals he provided which were rejected by the Engineer.	Delay in commissioning date of the project	Contractor	25th of October, 2014	2	3	6	No	Yes	Mitigate	Contractor is working closely with the Sub and the alternative supplier in leading all meetings and discussions in this regard. Huge efforts are made so far and extreme is being exerted on the alternative supplier to accelerate submission process of relevant submittals and to squeeze manufacturing period as much as possible to save time.	IRD	Closed	
5	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel enjuries.	Contractor	27th of December, 2014	2	2	4	No	No	Mitigate	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Existing	
6	External	Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric metering system..	As per design requirements the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations , hence, unforeseen problems.	1. Delay in operation, testing and commissioning. 2. Insufficient power supply that will .cause intermittent operation due to voltage fluctuations which possible will affect equipment negatively.	Contractor	18th of February, 2015	3	3	9	No	Yes	Transfer	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February, 2014. Since early of June, 2014 till now, the contractor is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.	IRD	Existing	
7	Contractor	Leakage test of the Balance Tank.	Due to the unknown result of the leakage test that may cause delay in progress.	Delay in progress	Contractor	February,2015	2	2	4	Yes	Yes	Mitigate	The contractor will take all precautions to pass the test requirements in the shortest possible time to avoid any delay in progress.	IRD	Existing	
8	Contractor	Excavations for underground yard piping, duct banks and manholes..	The depth of underground yard piping excavation, exceeds 2m and exposure to fall of personnel during work, is an existing hazard.	Personnel injury.	Contractor	April, 2015	1	1	1	No	No	Mitigate	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Tool box meetings are conducted regularly.	IRD	Closed	
9	Construction	Delay in construction activities.	Progress started encountering delay in construction activity.	Delay in construction activities	Contractor	February,2015	3	3	9	Yes	Yes	Mitigate	The contractor will make sure to secure the additional resources , and extending the working hour.	IRD	Closed	VO#06

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

USAID WEST BANK/GAZA

American Embassy

USAID

71 HaYarkon Street

Tel Aviv, 63903

Israel

www.usaid.gov/west-bank-and-gaza