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WEST BANK/GAZA

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01 - November 30, 2014

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

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

WELLS REHABILITATION PROJECT-WER

December 03, 2014

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

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01 - November 30, 2014

PROJECT I-ARRABA WELL PUMP STATION-ARW

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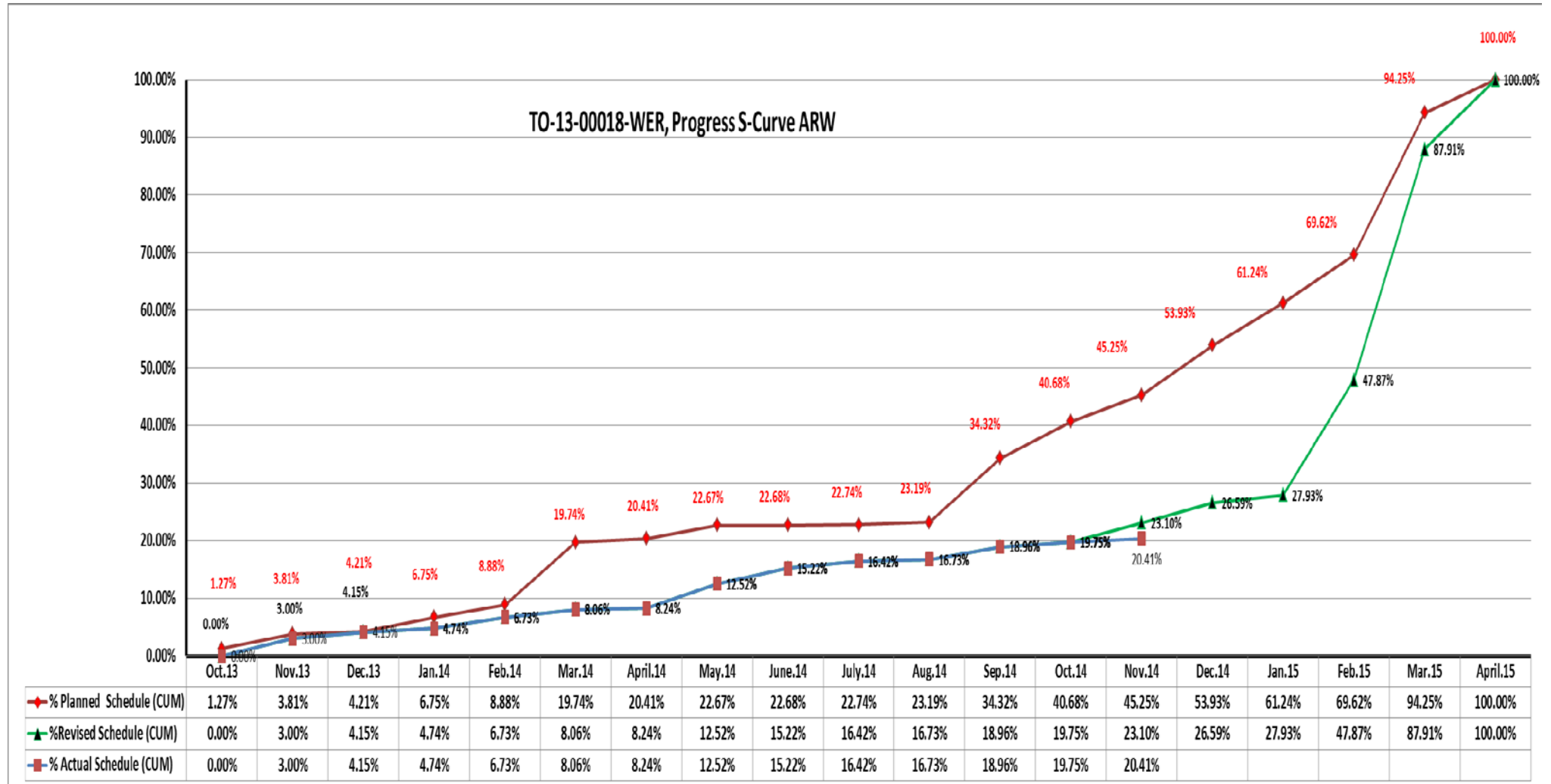
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1. Arraba Well (ARW) Dashboard Status



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2. Public Relation and Outreach

- 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.
- USAID site visit.

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 November 2014.

Environmental Status

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

Accident Status:

During the current reporting period (0) accident occurred.

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

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

Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

Safety Conclusion:

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

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Safety Photos:



Safety toolbox meeting-ARW



Bracing for scaffolding-ARW



General cleaning inside the balance tank (Housekeeping)-ARW

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General cleaning inside the balance tank (Housekeeping)-ARW



Equipment movement control by the flagman-ARW



Steel scaffold for repair job inside the balance tank-ARW

Assembly point and smoking area signs -ARW

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Safe access ladder to enter the balance tank-ARW



Formwork and scaffolding check -ARW

Fence installation with warning sign behind the retaining wall-ARW



General cleaning and arranging the site (Housekeeping)-ARW

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Rain water suction by pump from the excavated rooms-ARW

4. Security Coordination

N/A

5. Material or Equipment Delivered to Site

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

6. Progress and Scheduling

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

Item	Percentage
Planned percentage complete	23.10%
Actual percentage complete	20.41%
Elapsed Time	73.45%

Table 6.1-ARW-Progress Summary Table

Project Overall Status: The above percentages are based on the submitted revised baseline schedule. The project is still behind schedule with 43 calendar days negative float due to delays related to the procurement and delivery of the electrical equipment mainly. In order to make up the delays IRD and its subcontractor are working in parallel with Schneider Electric Company from Israel on the procurement of the electrical equipment. A joint technical meeting in this regard was held between Schneider Company, BV design team, IRD and the subcontractor on November 6, 2014 to push work and progress forward to make up the remaining delays. Other meetings between Schneider Company, IRD and the subcontractor had been held on November 19 and November 27, 2014.

7. Submittal Status:

During the current reporting period 85 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 37 submittals for WER, 18 submittals for ARW and 30 submittals for SNW. Review comments were received for 71 of them, 8 submittals are still waiting engineer's response and 6 submittals were

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retracted. Engineer’s review time for reviewed submittals ranged from one to 16 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	37
B - Make Corrections Noted	16
C- Amend and Resubmit	17
D- Rejected- Resubmit	1
E- Review Not Required	0
Retracted submittals	6
Total submittals delivered	85
Total submittals reviewed	71
Submittals delivered not reviewed	14

Table 7.2-WER-Submittal Disposition

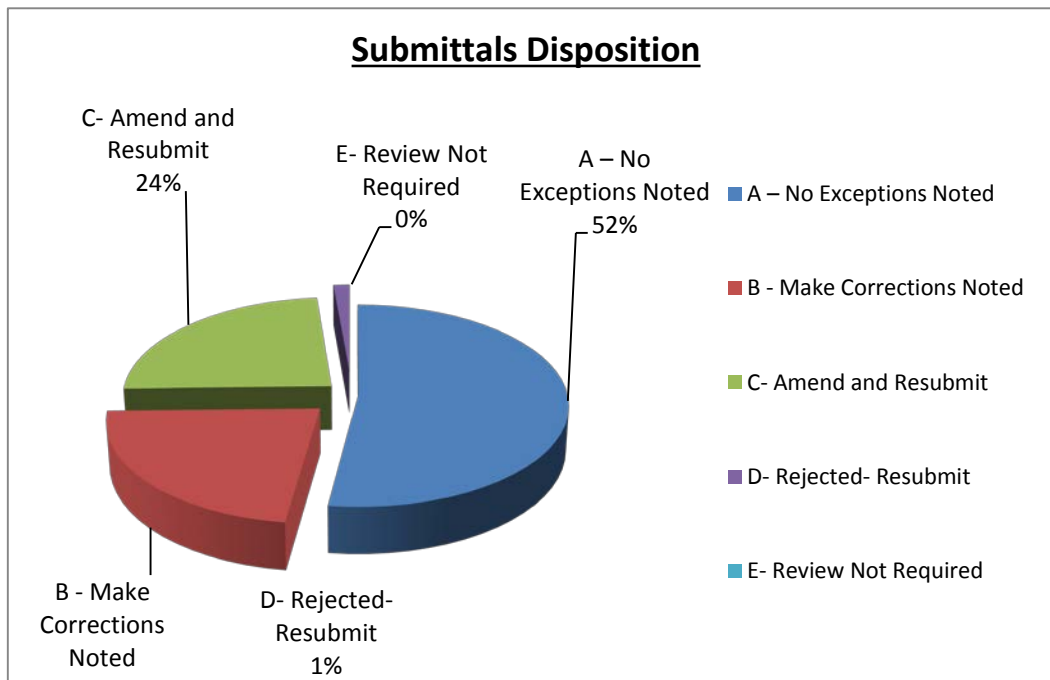


Figure 7.1-WER-Submittals Disposition Analysis

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

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

8.1 The following was achieved during the current reporting period:

- Completed underdrain system and (90%) of backfilling behind retaining wall.
- Completed construction of balance tank walls for SECs C, E1 and E2.
- Started formwork for balance tank elevated slab.

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- Started excavations for foundations of relocated living quarter and electrical metering buildings as per Engineer response on RFI#053.

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

- Continue formwork, reinforcement and concrete casting of the elevated slab of the balance tank, including all submerged conduits; internal and external tie rods joints filling and surface repair.
- Complete backfilling behind retaining wall.
- Complete remaining foundation and trenches excavation of the living quarter and electrical buildings, spreading and compacting base course layers to reach finished ground level.
- Start foundation excavation for chlorination and control buildings, spreading and compacting base course layers to reach finished ground level.
- Start formwork for both living quarter and electrical buildings.
- Relocation of the existing 10” pipeline that discharges water to Arraba village reservoir.
- Continue preparation and submission of construction submittals and shop drawings.

9. Updated Schedule

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

10. Site Memos

Two 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, 42 Inspection Requests were submitted to the Engineer including resubmitted inspections, 18 inspections for Arraba well, 17 for Sanur well and seven under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

12. Test Reports

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

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Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Concrete	6			6
Base Course	1			1
Welding	1			1
Total	8			8

Table 12.1- ARW QC Analysis Table

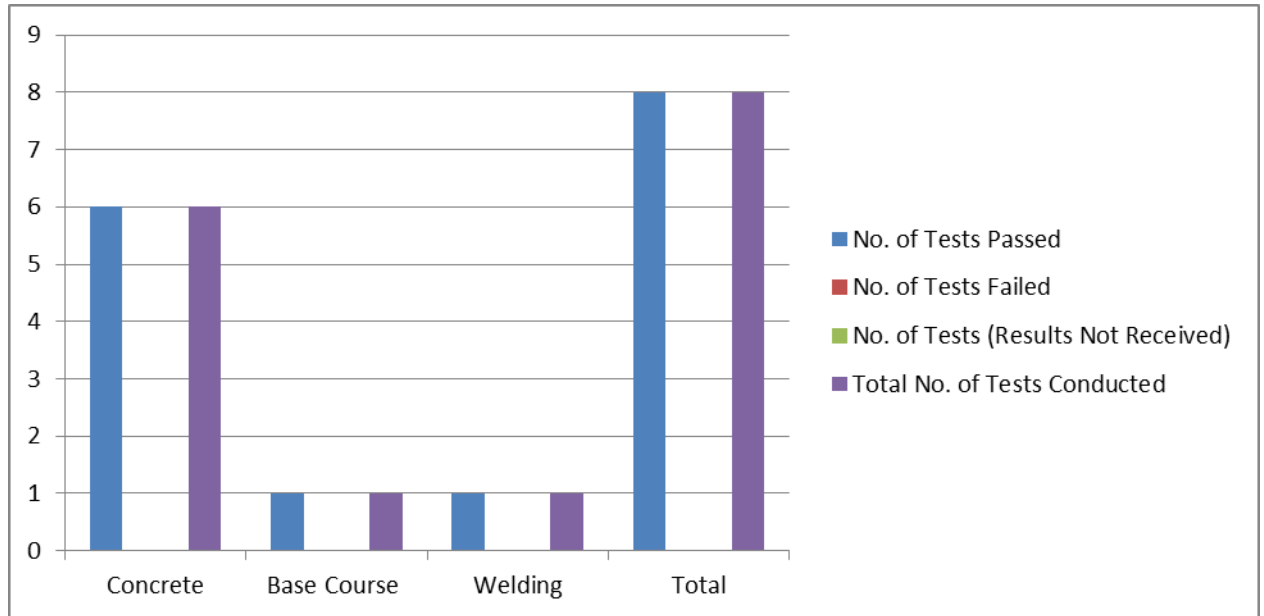
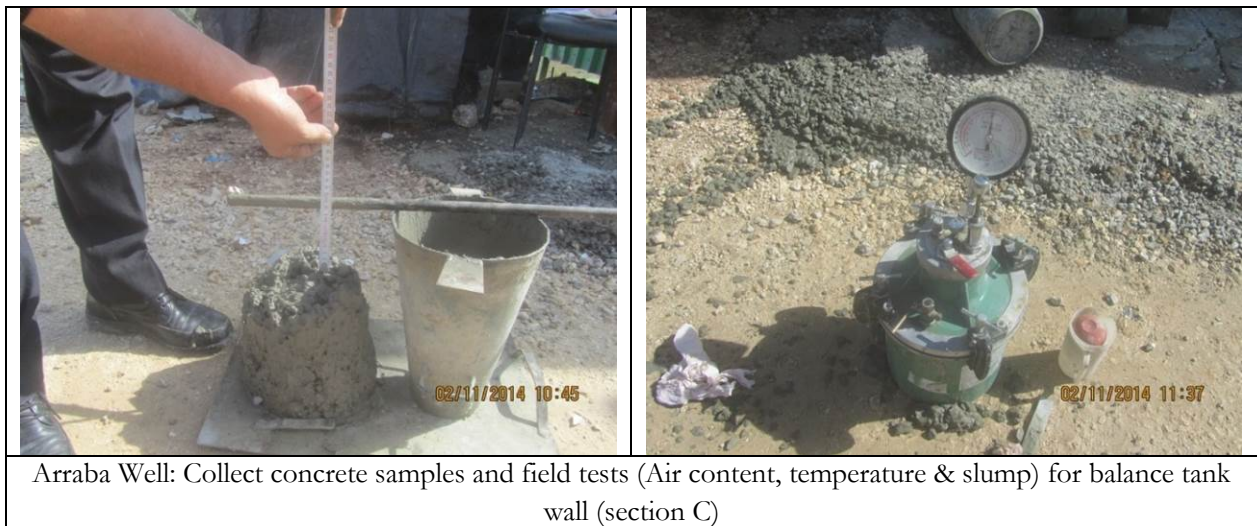


Figure 12.1- ARW QC Analysis Bar Chart

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



Arraba Well: Collect concrete samples and field tests (Air content, temperature & slump) for balance tank wall (section C)

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Task Order: Conducting technical meeting with Schneider Company- Dead Sea.



Arraba Well: Visual inspection for water stop welding by manufacturer (FOSROC) representative- balance tank wall section (E2).



Task Order: Collecting samples for plastering mix design preparation

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Arraba Well: Collecting concrete samples and field tests for balance tank walls (section E2)



Arraba Well: Collecting concrete samples and field tests for balance tank walls (section E1)



Task Order: Re-conducting the stainless steel welders qualification test

13. Request for Information

Eight requests for information were submitted to the Engineer under TO-18-WER; six were reviewed by the CMC, one was retracted and one is still pending CMC review. For further information regarding the submitted RFIs, please see Attachment ARW 22.7-Request for Information Log.

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14. Summary of Payments and Accrued Expenditures

IRD submitted its sixth payment under Task Order No. 13-00018 / INP II on October 30, 2014; on Nov. 3rd, 2014 comments were received from the CMC however, IRD has submitted a revised payment on Nov. 5th, 2014. The payment was approved by the CMC on Nov.09, 2014 and the payment amount was received from USAID on Nov.26, 2014. This payment covers the period from August 18 to October 28, 2014.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
6	Aug.18, 14	Oct.28, 14	204,209.08	758,415.14	962,624.22	Nov.05, 14	Nov.09, 14	Nov.26, 14

Table 14.1-ARW-Payment Summary

Accrued expenditures for Task Order 13-00018-ARW=
 $\$1,329,933.27 - \$962,624.22 = \$367,309.05$.

15. Variation Orders and Variation Order Requests

One Variation Order Request was submitted to CMC under WER; no VOs 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

This section is not applicable for the current reporting period

17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD-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.

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Risk	Description	Responsible Party	Remedial Measures/Comments
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 equipment due to wet ground.	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 to rain and that will wet the ground.	IRD-PM	1- Initial release of any possible loose materials. 2- All working personnel on moving equipment are instructed to strictly follow flagman directions. 3- Working personnel are instructed to avoid working and moving on wet ground, they should wait until the ground is dry. 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.
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 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 Schneider from Israel 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.

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

18. Summary of Working/Non-Working Days

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

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1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	29 Calendar Days
6.	Accumulated Working Days	360 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	1 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	49 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
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)	$(4,252,438)\text{m}^3/365 \text{ day}/(269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L/Capita/Day}$
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: 6458 person days;
- Employment generated this month: 721 person days;
- Total cumulative employment generated to-date: 7179 person days.

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

No problems encountered during this reporting period.

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21. Construction Photos



Photo Date- 2nd of November, 2014: Casting concrete for balance tank wall (Section C).



Photo Date- 2nd of November, 2014: Starting formwork for balance tank wall (Section E2).



Photo Date- 3rd of November, 2014: Starting steel reinforcement of balance tank wall (Section E2).

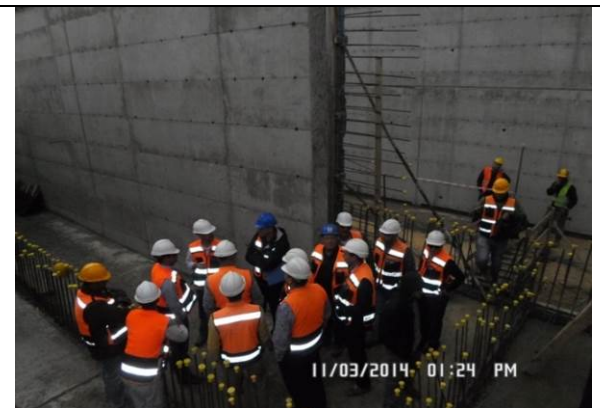


Photo Date- 3rd of November, 2014: USAID & BV site visit.



Photo Date- 4th of November, 2014: Finishing installation of underdrain system behind retaining wall.

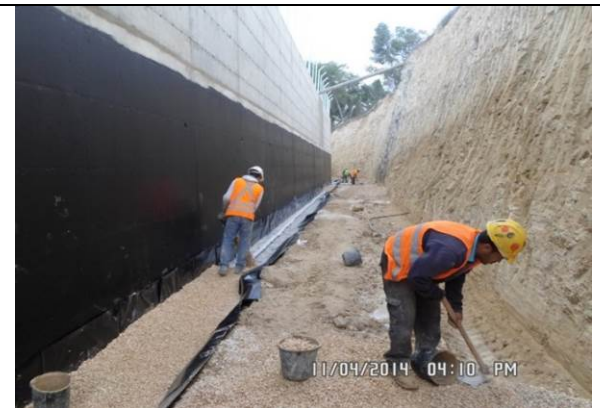


Photo Date- 4th of November, 2014: Start backfilling of drain rock over the perforated piping behind retaining wall.

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Photo Date- 5th of November, 2014: Concrete curing of balance tank wall (Section C).



Photo Date- 5th of November, 2014: Balance tank internal walls -tie rods holes repair.

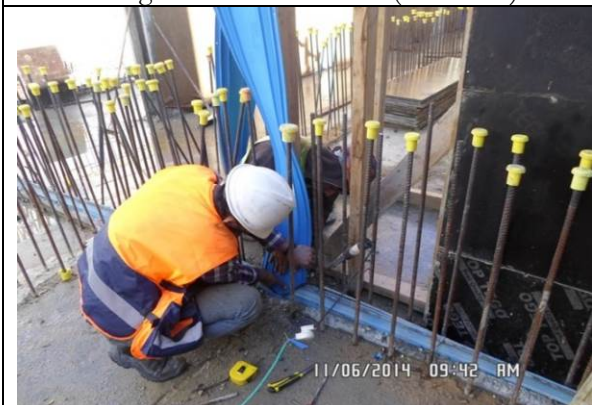


Photo Date- 6th of November, 2014: Installation of water stop for balance tank wall (Section E2).



Photo Date- 6th of November, 2014: Continue backfilling of drain rock behind retaining wall.



Photo Date- 7th of November, 2014: Compaction of backfilled materials behind retaining wall.



Photo Date- 8th of November, 2014: Closing formwork of the balance tank wall (Section E2).

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Photo Date- 9th of November, 2014: Continue closing formwork of the balance tank wall (Section E2).



Photo date- 9th of November, 2014: Continue repairing tie rods holes- external side of the retaining wall (2nd lift).



Photo date- 10th of November, 2014: Finishing formwork closing for balance tank wall (Section E2).



Photo date- 10th of November, 2014: Casting concrete for balance tank wall (Section E2).



Photo date- 11th of November, 2014: Formwork for balance tank wall (Section E1).



Photo date- 11th of November, 2014: Applying damp-Proof (Nito-Proof 30) for the external side of the retaining wall.

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Photo date- 12th of November, 2014: De-shuttering of formwork for balance tank wall (Section E2).



Photo date- 12th of November, 2014: Start and finish filling Thoflex-600 in the expansion joints of the retaining wall.



Photo date- 12th of November, 2014: Finish applying damp-Proof (1st layer) on the external side of the retaining wall, from St.78+800 to St.140+200.



Photo date- 13th of November, 2014: Continue formwork for balance tank wall (Section E1).



Photo date- 13th of November, 2014: Start and finish applying damp-proof (2nd layer) on the external side of the retaining wall, from St.78+800 to St.140+200.



Photo date- 14th of November, 2014: Continue backfilling and compaction behind retaining wall.

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Photo date- 15th of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section E1).



Photo date- 15th of November, 2014: Installation of 6" stainless steel wash down opening on balance tank wall (Section E1).



Photo date- 17th of November, 2014: Continue concrete curing of balance tank wall (Section E2).



Photo date- 17th of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section E1).

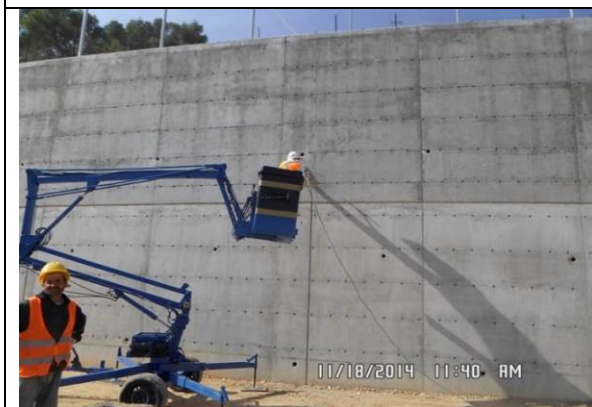


Photo date- 18th of November, 2014: Start removing expansion joint plates from retaining wall internal side above the height of 3.5m.



Photo date- 18th of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section E1).

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Photo date- 19th of November, 2014: Fixing 8” thimbles for overflow pipes and 6” thimbles for equalization pipes for balance tank wall-(Section E1).



Photo date- 20th of November, 2014: Finish formwork and steel reinforcement for balance tank wall (Section E1).



Photo date- 20th of November, 2014: Continue backfilling and compaction over the underdrain system behind retaining wall.



Photo date- 21st of November, 2014: Start and finish casting concrete for balance tank wall (Section E1).



Photo date- 21st of November, 2014: Continue backfilling and compaction over the underdrain system behind retaining wall.



Photo Date- 23rd of November, 2014: Start de-shuttering of formwork for balance tank wall (Section. E1).

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Photo Date- 24th of November, 2014: Finish de-shuttering of formwork for balance tank wall (Section. E1).



Photo Date- 24th of November, 2014: Start formwork for balance tank elevated slab.



Photo Date- 25th of November, 2014: Removing expansion joints and surface preparation for re-filling.



Photo Date- 25th of November, 2014: Continue formwork for balance tank elevated slab.



Photo Date- 29th of November, 2014: Continue formwork for balance tank elevated slab.



Photo Date- 29th of November, 2014: Start excavations for re-located living quarter.

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Photo Date- 30th of November, 2014: Continue formwork for balance tank elevated slab.



Photo Date- 30th of November, 2014: Continue excavations for foundations of living quarter and electrical metering buildings.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01 - November 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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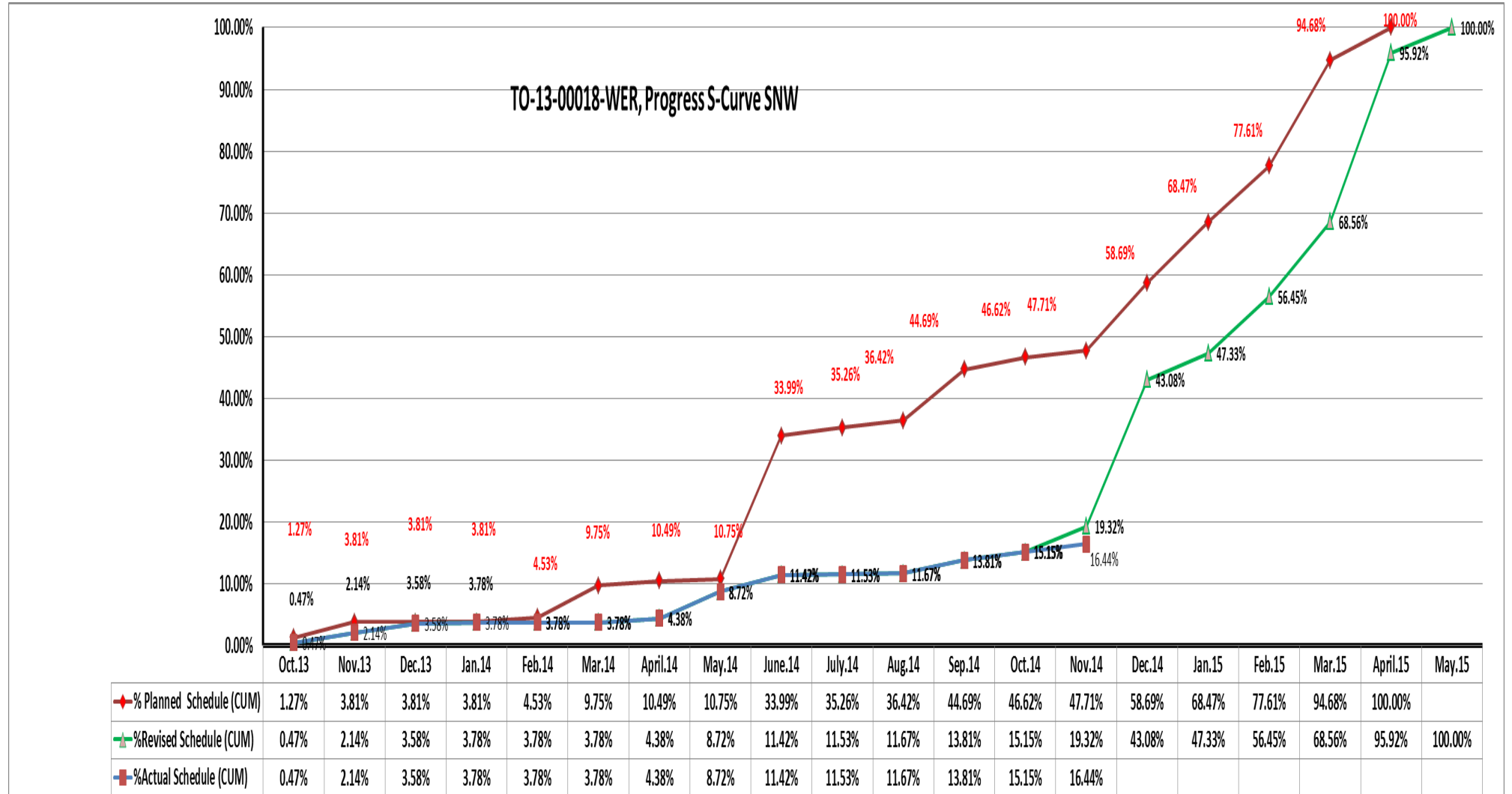
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1. Sanur Well (SNW) Dashboard Status



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2. Public Relation and Outreach

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

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

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 November 2014.

Environmental Status

Environmental status was checked on daily basis; no environmental issues occurred during the reporting period.

Accident Status:

During the current reporting period (0) accident occurred.

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

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

Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

Safety Violation Notice

During the current reporting period (0) accident occurred

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Safety Conclusion:

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

Safety Photos



Safety toolbox meeting-SNW



Formwork and scaffolding check -SNW



General cleaning (Housekeeping)-SNW

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Spreading base course on the mud areas- SNW



General cleaning (Housekeeping)-SNW



Scaffolding bracing-SNW



Spreading and compacting base course over the mud areas-SNW

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Spraying special material to remove the remaining tree roots wearing all safety PPEs-SNW



Opening the drainage pipe to remove the rainwater from the pumps area-SNW



Flagman and reflective cones while working on the street to open trenches for rainwater-SNW

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Trenches for rainwater-SNW



Trenches for rainwater-SNW

Rainwater suction by pump from the excavated rooms-SNW



Special PPE while cleaning the steel bars-SNW

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Assembly point sign-SNW

Smoking area sign-SNW

4. Security Coordination

N/A

5. Material or Equipment Delivered to Site

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

6. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	19.32%
Actual percentage complete	16.44%
Elapsed Time	70.02%

Table 6.1-SNW-Progress Summary Table

Project Overall Status: The above percentages are based on the submitted revised baseline schedule. The project is still behind schedule with 29 calendar days negative float due to delays related to the procurement and delivery of the electrical equipment mainly. In order to make up the delays IRD and its subcontractor are working in parallel with Schneider Electric Company from Israel on the procurement of the electrical equipment. A joint technical meeting in this regard was held between Schneider Company, BV design team, IRD and the subcontractor on November 6, 2014 to push work and progress forward to make up the remaining delays. Other meetings between Schneider Company, IRD and the subcontractor had been held on November 19 and November 27, 2014.

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 85 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 37 submittals for WER, 18

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submittals for ARW and 30 submittals for SNW. Review comments were received for 71 of them, 8 submittals are still waiting engineer’s response and 6 submittals were retracted. Engineer’s review time for reviewed submittals ranged from one to 16 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	37
B - Make Corrections Noted	16
C- Amend and Resubmit	17
D- Rejected- Resubmit	1
E- Review Not Required	0
Retracted submittals	6
Total submittals delivered	85
Total submittals reviewed	71
Submittals delivered not reviewed	14

Table 7.2-WER-Submittal Disposition

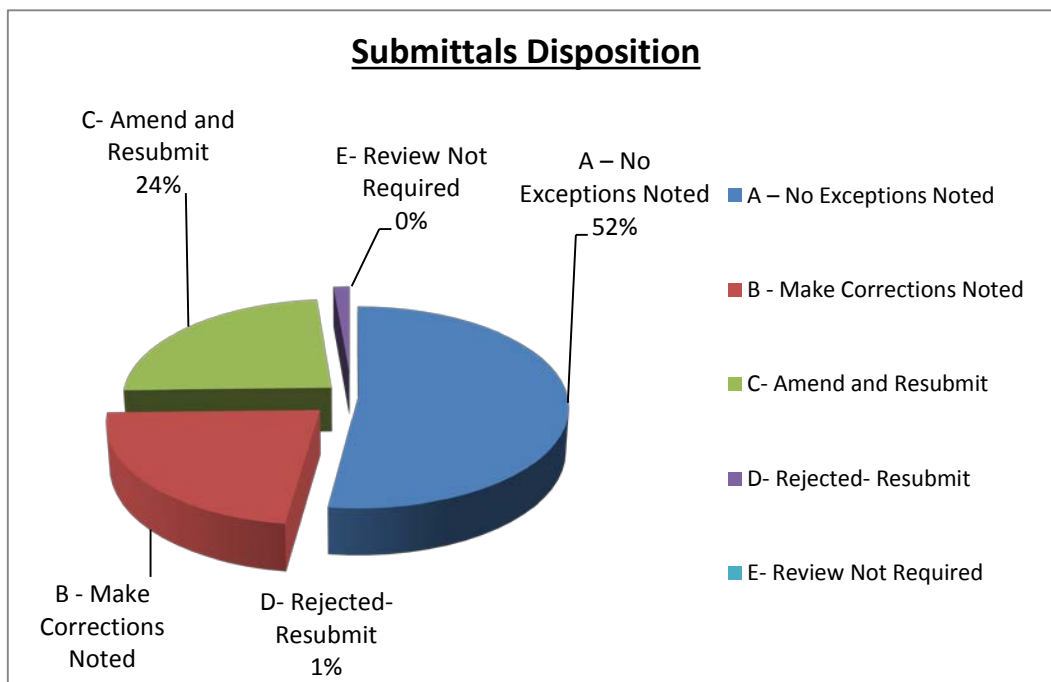


Figure 7.1-WER-Submittals Disposition Analysis

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

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

8.1 The following was achieved during the current reporting period:

- Continue pumping to local communities with the VLST pump.

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- Completed construction of balance tank walls D, E1 and E2.
- Excavations, base course backfilling and compaction of chlorination room foundations and footing.
- Completed formwork, steel reinforcement and casting concrete for boundary fence wall foundation (Segment AB).
- Started formwork for electrical metering building foundations.
- Continued formwork and started steel reinforcement for living quarter walls.
- Started formwork for balance tank elevated slab.

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

- Continue formwork, reinforcement and concrete casting of the elevated slab of the balance tank, including all submerged conduits. Internal and external tie rods joints filling and surface repair.
- Concrete casting of external and internal walls for living quarter. Formwork, reinforcement and concrete casting of elevated slab including conduits. Construct all concrete block walls including insulation.
- For electrical metering building: Formwork, reinforcement and concrete casting of foundation and conduits trench, slab on grade, and external and internal walls.
- Chlorination building activities: formwork, reinforcement and concrete casting of foundation and slab on grade.
- Fence wall segment AB activities: Formwork, reinforcement and concrete casting of the fence wall -segment AB- (from St. 0+00 to St. 0+016), and installation of fence posts for the same segment. Excavation and backfilling, formwork and steel reinforcement, followed by concrete casting of the fence wall foundation- Segment BC.
- Continue preparation and submission of construction submittals and shop drawings.

9. Updated Schedule

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

10. Site Memos

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

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11. Inspection Requests

During the current reporting period, 42 Inspection Requests were submitted to the Engineer including resubmitted inspections, 18 inspections for Arraba well, 17 for Sanur well and seven under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

12. Test Reports

Twenty testing reports had been conducted during the current reporting period; nineteen for Sanur Well and one test report for WER. All tests passed according to the testing lab and conformed to QC specifications. For more details, see the table below:

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Concrete	13			13
Soil	1			1
Substrata	2			2
Subgrade	1			1
Base Course	2			2
Welding	1			1
Total	20			20

Table 12.1- SNW QC Analysis Table

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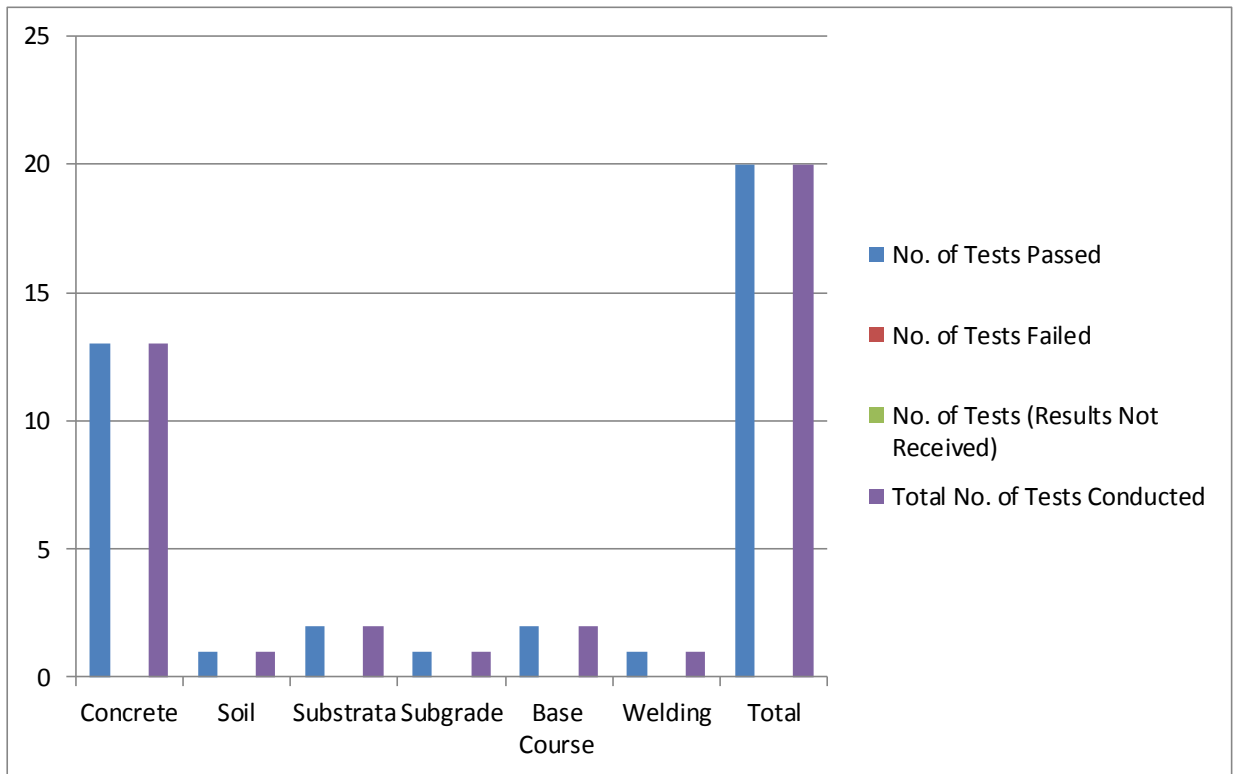
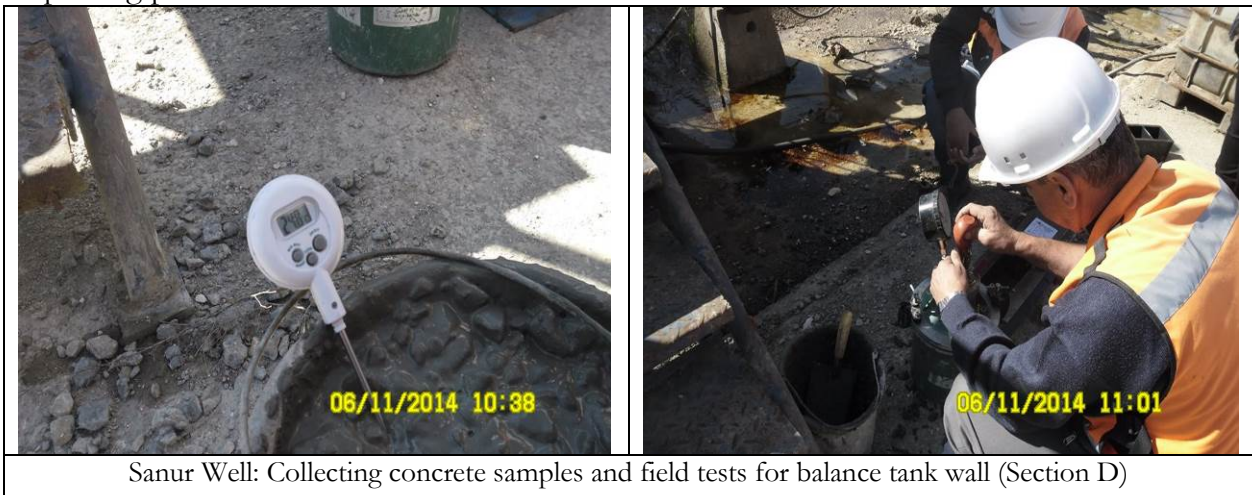


Figure 12.1-SNW QC Analysis Bar Chart

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



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Sanur Well: Preparing a sample of balance tank wall surface repair with the present of FOSROC representative



Sanur Well: Collecting concrete samples and field tests for balance tank walls (Section E1) and fence wall foundation segment AB.



Sanur Well: Collecting of compacted base course samples under chlorination room foundation

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Sanur Well: Collecting concrete samples and field tests for balance tank wall (Section E2)

13. Request for Information

Eight requests for information were submitted to the Engineer under TO-18-WER; six were reviewed by the CMC, one was retracted and one is still pending CMC review. 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 sixth payment under Task Order No. 13-00018 / INP II on October 30, 2014; on Nov. 3rd, 2014 comments were received from the CMC however, IRD has submitted a revised payment on Nov. 5th, 2014. The payment was approved by the CMC on Nov.09, 2014 and the payment amount was received from USAID on Nov.26, 2014. This payment covers the period from August 18 to October 28, 2014.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
6	Aug.18, 14	Oct.28, 14	401,672.06	338,724.09	740,396.15	Nov.05, 14	Nov.09, 14	Nov.26, 14

Table 14.1-SNW-Payment Summary

Accrued expenditures for Task Order 13-00018-SNW=
 $\$1,173,274.32 - \$740,396.15 = \$432,878.17$.

15. Variation Orders and Variation Order Requests

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

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16. Operation, Maintenance and Training

This section is not applicable for the current reporting period

17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk is present 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 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 Schneider from Israel 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.

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

18. Summary of Working/Non-Working Days

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

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1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	27 CD
3.	Modified Period of Performance	577 Calendar Days
4.	Modified Completion Date	May 22, 2015
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	352 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	48 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: 4969 person days;
- Employment generated this month: 712 person days;
- Total cumulative employment generated to-date: 5681 person days.

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

No problems encountered during this reporting period.

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21. Construction Photos



Photo Date- 2nd of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section D).



Photo Date- 2nd of November, 2014: Balance tank internal walls-repairing tie rods holes.



Photo Date- 3rd of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section D).



Photo Date- 3rd of November, 2014: Dowels cleaning.



Photo Date- 3rd of November, 2014: USAID & BV site visit.



Photo Date- 4th of November, 2014: Formwork de-shuttering of balance tank wall (Section C).

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Photo Date- 5th of November, 2014: Concrete curing of balance tank wall (Section C).



Photo Date- 5th of November, 2014: Installation of stainless steel pipes for balance tank wall (Section D).



Photo Date- 6th of November, 2014: Casting concrete for balance tank wall (Section D).



Photo Date- 6th of November, 2014: Start formwork for living quarter walls.



Photo Date- 7th of November, 2014: Concrete curing of balance tank wall (Section D).



Photo Date- 8th of November, 2014: Excavations of the chlorination room foundation to the required level.

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Photo Date- 9th of November, 2014: Continue steel reinforcement and formwork for balance tank wall (Section E1).



Photo date- 9th of November, 2014: Continue concrete curing of balance tank wall (Section D).



Photo date- 10th of November, 2014: Continue steel reinforcement for balance tank wall (Section E1).



Photo date- 10th of November, 2014: Repairing works of the kicker of balance tank wall (Section E1).



Photo date- 11th of November, 2014: Continue steel reinforcement and formwork for balance tank wall (Section E1).



Photo date- 11th of November, 2014: Start and finish compaction of substrata for chlorination room foundation.

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Photo date- 12th of November, 2014: Start and finish excavation for chlorination room footing.



Photo date- 12th of November, 2014: Continue steel reinforcement for fence wall foundation (Segment-AB).



Photo date- 12th of November, 2014: Start formwork for electrical metering room foundation.



Photo date- 13th of November, 2014: Start and finish casting concrete for balance tank wall (Section E1).



Photo date- 13th of November, 2014: Casting concrete for fence wall (Segment-AB).



Photo date- 13th of November, 2014: Continue formwork for living quarter building.

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Photo date- 14th of November, 2014: Start concrete curing of balance tank wall (Section E1).



Photo date- 15th of November, 2014: Continue concrete curing of balance tank wall (Section E1).



Photo date- 17th of November, 2014: Start formwork for balance tank wall (Section E2).



Photo date- 17th of November, 2014: Continue formwork for living quarter building walls.



Photo date- 18th of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section E2).



Photo date- 18th of November, 2014: Continue formwork and steel reinforcement for living quarter building walls.

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Photo date- 19th of November, 2014: Start spreading, leveling and compaction of base course layer under chlorination room foundation.



Photo date- 20th of November, 2014: Finish spreading, leveling and compaction of base course layer under chlorination room foundation.



Photo date- 20th of November, 2014: Start applying damp-proof (Nitoproof- 30) first layer, for fence wall (Segment-AB).



Photo Date- 22nd of November, 2014: Continue formwork and steel reinforcement for balance tank wall (Section E2).



Photo Date- 24th of November, 2014: Start and finish casting concrete for balance tank wall (Section E2).



Photo Date- 24th of November, 2014: Continue formwork and steel reinforcement steel for living quarter.

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Photo Date- 25th of November, 2014: Start formwork for balance tank elevated slab.



Photo Date- 25th of November, 2014: Continue formwork and steel reinforcement steel for living quarter.



Photo Date- 29th of November, 2014: Continue formwork for balance tank elevated slab.



Photo Date- 29th of November, 2014: Start formwork de-shuttering of balance tank wall (Section E2).



Photo Date- 30th of November, 2014: Continue formwork for balance tank elevated slab.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01 - November 30, 2014

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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1. Progress and Scheduling

The following table provides a summary of the project progress status

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

Table 2.1-SDW-Progress Summary Table

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

2. Project Indicators

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

Target Value for Project 3:

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

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WEST BANK/GAZA

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: November 01 - November
31, 2014

WELLS REHABILITATION PROJECT-WER

December 02, 2014

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

CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

November 01 - November 30, 2014

PROJECT I-ARABA WELL PUMP STATION-ARW

Attachments

1. Attachments

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

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

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RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

One Month Lookahead Schedule

01-Dec-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015						
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J			
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS																														
Milestones																														
Intermediate Milestones																														
MS00068	Completion of Rehabilitation for Sanour Well Pump Station	0		01-Dec-14		155																								
Submittals																														
Construction Submittals																														
Material Submittals																														
Civil																														
Building Works																														
CS690	Prep.&Submit Rough&Finish Carpentry - Product Data	7	01-Dec-14	08-Dec-14		56																								
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	01-Dec-14	08-Dec-14		56																								
CS780	Prep.&Submit Flush Wood Doors - Sample	7	01-Dec-14	08-Dec-14		56																								
CS810	Prep.&Submit Coiling Doors & Grilles - Sample & Product Data	7	01-Dec-14	08-Dec-14		55																								
CS820	Prep.&Submit Aluminum Windows - Sample	7	01-Dec-14	08-Dec-14		37																								
CS895	Approval of Plastering Accessories - Sample	0		16-Dec-14		40																								
CS910	Prep.&Submit Terrazzo Tiles - Sample & Product Data	7	01-Dec-14	08-Dec-14		56																								
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	01-Dec-14	08-Dec-14		56																								
CS992	Approval of Toilet Accessories - Sample & Product Data	0		18-Dec-14		73																								
Roads Works																														
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	01-Dec-14	08-Dec-14		80																								
CS460	Prep.&Submit MC Prime Coat - Data Sheet	7	01-Dec-14	08-Dec-14		80																								
CS470	Prep.&Submit Asphalt Core Test	7	01-Dec-14	08-Dec-14		80																								
CS740	Prep.&Submit Road Accessories - Product Data & Sample	7	01-Dec-14	08-Dec-14		92																								
Miscellaneous																														
CS486	Prep&Submit Gates - Sample	7	01-Dec-14	08-Dec-14		69																								
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	01-Dec-14	08-Dec-14		24																								
CS610	Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample	7	01-Dec-14	08-Dec-14		55																								
CS700	Prep.&Submit PVC Membrane Roofing - Sample&Product Data	7	01-Dec-14	08-Dec-14		47																								
CS860	Prep.&Submit Finish & Hardware Product - Sample & Product Data	7	01-Dec-14	08-Dec-14		37																								
CS900	Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data	7	01-Dec-14	08-Dec-14		8																								
CS970	Prep.&Submit Lockers - Sample & Product Data	7	01-Dec-14	08-Dec-14		57																								
CS975	Prep.&Submit Storage Shelving - Sample	7	01-Dec-14	08-Dec-14		28																								
CS997	Approval of Toilet Accessories - Sample & Product Data	0		18-Dec-14		73																								
Mechanical																														
Local Manufacturer																														
CS341	Prep&Submit Copper Pipes - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS367	Approval of CPVC Pipes - Product Data	0		01-Dec-14		165																								
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS577	Approval of Valves (Control, Gate, Butterfly, Check, Ball, Pressure,, etc) - Product Data/Test R	0		01-Dec-14		-23																								
CS587	Approval of Plumping (Piping, Fixtures&Equipment) - Product Data	0		01-Dec-14		165																								
CS661	Prep&Submit Heat, Ventilation&Air Conditioning Equipment - Product Data	5	01-Dec-14	01-Dec-14	24-Aug-14	138																								
CS677	Prep&Submit Chlorination System Pumps, Tanks, Drums, Injectors, Hose Pips.	5	01-Dec-14	06-Dec-14		60																								
CS688	Prep&Submit Kltchen Equipment - Product Data	5	01-Dec-14	06-Dec-14		58																								
Abroad Manufacturer (Long Lead Items)																														
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	01-Dec-14	01-Dec-14	15-Sep-14	64																								
CS291	Prep&Submit Horizontal Louver Blinds - Sample	5	01-Dec-14	01-Dec-14	15-Sep-14	4																								
CS307	Approval of Surge Control Bladder Tank - Certification, Product Data&Test report	0		09-Dec-14		30																								
CS311	Prep&Submit Polyethylene Tank - Product Data	5	01-Dec-14	01-Dec-14	15-Sep-14	-25																								

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



Date	Revision	Checked	Approved
01-Dec-14	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	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015		
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M
CS592	Approval of Plumping (Piping,Fixtures&Equipment) - Shop Drawing	0		04-Dec-14		59																				
CS612	Approval of Heat,Ventilation,Duct Work&Air Conditioning Equipment - Shop Drawing	0		22-Dec-14		72																				
Electrical																										
CS671	Prep.&Submit Electrical Raceway Systems - Shop Drawing	5	01-Dec-14	06-Dec-14		44																				
CS681	Prep.&Submit Wire,Cable&Wiring Devices - Shop Drawing	5	01-Dec-14	06-Dec-14		44																				
CS691	Prep.&Submit Metal Enclosed Switchgear - Shop Drawing	5	01-Dec-14	06-Dec-14		55																				
CS731	Prep.&Submit Short Circuit Study	5	01-Dec-14	06-Dec-14		10																				
CS751	Prep.&Submit Variable Frequency Drive Units 400V - Shop Drawing	5	01-Dec-14	03-Dec-14	15-Sep-14	47																				
CS801	Prep.&Submit Motor Control Center&Solid State Reduced Starters - Shop Drawing	5	01-Dec-14	03-Dec-14	15-Sep-14	55																				
CS827	Approval of Lighting - Shop Drawing	0		01-Dec-14		90																				
CS837	Approval of Lightning Protection System - Shop Drawing	0		01-Dec-14		80																				
CS857	Approval of Process Control&Instrumentation System - Shop Drawing	0		22-Dec-14		71																				
Methods Statement & Work Plans																										
Civil																										
CS1058	Approval of Welder Qualifications&Field Welding Procedure	0		01-Dec-14		28																				
CS1391	Prep.&Submit Field Testing, Pressure Test&Disinfection Plan	5	01-Dec-14	06-Dec-14		45																				
CS2160	Prep.&Submit Load&Deflection Tables for Miscellanios Metal Works	5	01-Dec-14	06-Dec-14		10																				
Mechanical																										
CS1411	Prep&Submit Vertical Multistage Turbine Booster Pump - Statements	20	01-Dec-14	23-Dec-14		39																				
CS2170	Prep&Submit Vertical Well Pump - Statements	20	01-Dec-14	23-Dec-14		39																				
Electrical																										
CS2190	Prep.&Submit Metal Enclosed Switchgear - Statements	20	01-Dec-14	23-Dec-14		40																				
Execution Phase																										
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements																										
P1 - Arraba Well Pump Station Infrastructure Improvement																										
Demolishing,Site Development,Apply Safety Measurments&Site Preparation																										
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	01-Dec-14	02-Dec-14	30-Dec-13	163																				
P1-DEMO-000010	Excavation for Clearing,Site Grading&Preparation	7	01-Dec-14	02-Dec-14	18-Mar-14	58																				
P1-DEMO-000020	Erosion & Sediment Control Systems	10	01-Dec-14	11-Dec-14		58																				
P1-DEMO-000030	Miscellaneous Excavation	3	01-Dec-14	01-Dec-14	18-Mar-14	164																				
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	01-Dec-14	01-Dec-14	15-Apr-14	164																				
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-Dec-14	01-Dec-14	14-Jun-14	86																				
Retaining Wall Group # 2 (St.55+60 to St.78+80)																										
Civil & Structural Works																										
P1-RT-180	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	13-Jul-14	164																				
Retaining Wall Group # 3 (St.78+80 to St.102+00)																										
Civil & Structural Works																										
P1-RT-270	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	14-Aug-14	164																				
Boundary Wall Group # 4 A -(St-102+00 to St.126+80)																										
Civil & Structural Works																										
P1-RT-360	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	21-Aug-14	164																				
Boundary Wall Group # 4 B -(St.126+80 to St.140+20)																										
Civil & Structural Works																										
P1-RT-630	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	28-Aug-14	164																				
Retaining Wall Group # 5 -(St. 30+40 to St.36+40)																										
Civil & Structural Works																										
P1-RT-450	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	06-Jul-14	164																				
Retaining Wall Group # 6 -(St.00+00 to St.30+40)																										
Civil & Structural Works																										
P1-RT-540	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	26-Jun-14	88																				
Balance Tank 1000 m3																										

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



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

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015		
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M
P2-EM-310	Form/Steel Rebars for Slab on Grade	5	10-Dec-14	15-Dec-14		29																				
P2-EM-320	Cast R.C. for the Slab on Grade	1	16-Dec-14	16-Dec-14		29																				
P2-EM-330	Concrete Curing	7	18-Dec-14	25-Dec-14		28																				
P2-EM-340	Form/Steel Rebars for the Walls	5	20-Dec-14	24-Dec-14		29																				
P2-EM-350	Cast Reinforced Concrete for the Wallis	2	27-Dec-14	28-Dec-14		28																				
Electrical & Instrumentation Works																										
P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	04-Dec-14	04-Dec-14		105																				
Well Systems																										
Wellhead and Pad (Structural)																										
P2-WS-090	Excavation to the Required Depth	3	01-Dec-14	03-Dec-14		-22																				
P2-WS-100	Grading & Compacting Subgrade Layers	5	04-Dec-14	09-Dec-14		-22																				
P2-WS-110	Furnish & Install Subgrade Piping	14	10-Dec-14	25-Dec-14		-22																				
(O&M), Inspection, Commissioning, Start Up & Training																										
Initial Operation & Manufacturer Technical Manual Submittals (O&M)																										
P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	01-Dec-14	13-Dec-14		66																				
P2-OM-00030	Prep&Submit Safety&Health Training	10	01-Dec-14	11-Dec-14		66																				
P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	01-Dec-14	14-Dec-14		86																				
P2-OM-00050	Prep&Submit O&M for Duty Motive Pumps	10	14-Dec-14	24-Dec-14		77																				
P2-OM-00060	Prep&Submit O&M for Equipment General	10	14-Dec-14	24-Dec-14		77																				
P2-OM-00110	Prep&Submit O&M for VFD	10	01-Dec-14	11-Dec-14		-10																				
P2-OM-00140	Prep&Submit for VFD Electrical Test	10	13-Dec-14	23-Dec-14		78																				

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



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

RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

Nov.2014 Roll Up Schedule

01-Dec-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Gantt Chart											
								Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Total		340	01-Dec-14	20-Jun-15	23-Oct-13		0	[Gantt Chart]											
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS								[Gantt Chart]											
Milestones								[Gantt Chart]											
Mobilization								[Gantt Chart]											
Submittals								[Gantt Chart]											
Pre Construction Submittals								[Gantt Chart]											
Construction Submittals								[Gantt Chart]											
Material Submittals								[Gantt Chart]											
Shop Drawings								[Gantt Chart]											
Methods Statement & Work Plans								[Gantt Chart]											
Post Construction Submittals								[Gantt Chart]											
Procurement								[Gantt Chart]											
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
Mechanical Equipment								[Gantt Chart]											
Electrical Equipment								[Gantt Chart]											
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
Mechanical Equipment								[Gantt Chart]											
Electrical Equipment								[Gantt Chart]											
Steel Pipes,Fittings&Valves								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
All Needed Pipes,Steel Pipes & Fittings								[Gantt Chart]											
Valves								[Gantt Chart]											
Material Delivery								[Gantt Chart]											
All Needed Pipes,Steel Pipes & Fittings								[Gantt Chart]											
Valves								[Gantt Chart]											
Execution Phase								[Gantt Chart]											
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements								[Gantt Chart]											
Mobilization for P1								[Gantt Chart]											
P1 - Arraba Well Pump Station Rehabilitation								[Gantt Chart]											
Design Review After Well Development Results								[Gantt Chart]											
Geophysical Logging Final Acceptance								[Gantt Chart]											
P1 - Arraba Well Pump Station Infrastructure Improvement								[Gantt Chart]											
Demolishing,Site Development,Apply Safety Measurments&Site Preparation								[Gantt Chart]											
Construction of New Pump Station								[Gantt Chart]											
Retaining Walls								[Gantt Chart]											
Balance Tank 1000 m3								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Finishing Works								[Gantt Chart]											
Metal Fabricated Works								[Gantt Chart]											
Mechanical Works								[Gantt Chart]											
Electrical & Instrumentation Works								[Gantt Chart]											
Test Water Tightness For Reservoir								[Gantt Chart]											
Booster Pump System								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Steel Structure & Metal Works								[Gantt Chart]											
Mechanical Works								[Gantt Chart]											
Electrical & Instrumentation Works								[Gantt Chart]											
Coatings & Finishing Works								[Gantt Chart]											
Septic & Seepage Tank								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Plumbing Works								[Gantt Chart]											

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

Summary



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

ARW 22.2 “S” Curve

DISCLAIMER:

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$6,516,970.57
original Total Contract Value Less Day Work:	\$6,516,970.00
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	1-Dec-14

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$7,011,251.36
Revised Total Contract Value Less Day Work as per VO #04:	\$7,157,158.04
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	577CD
Revised Completion Date as per VO #4:	22-May-15
Data Date:	1-Dec-14

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

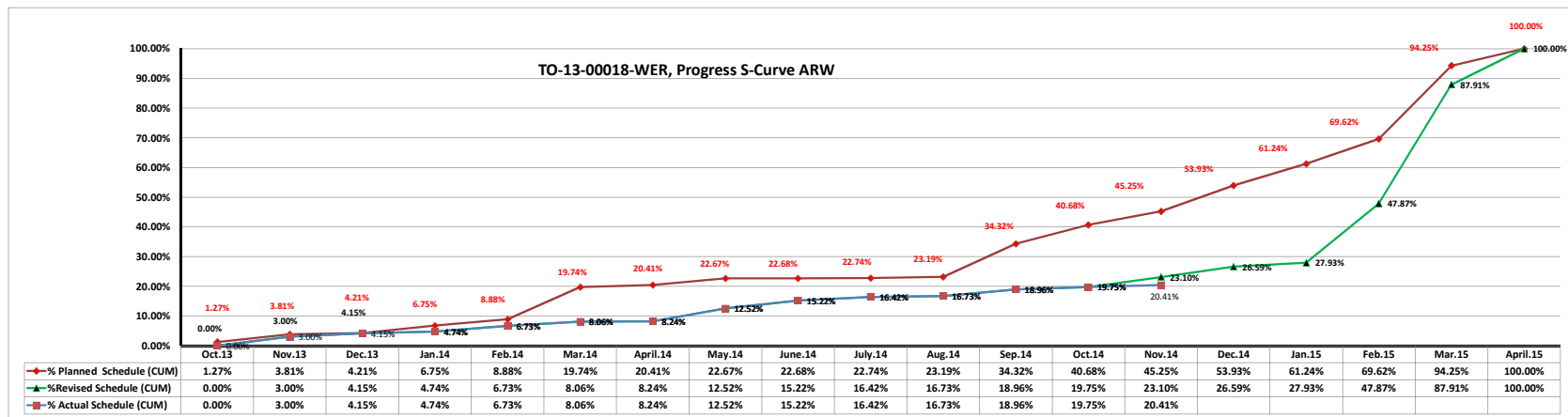
USD	
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Dec-14

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,556.73
Day Work Value as per VO #03:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 3)	\$13,904,555.82
Revised Day Work Amount (VO #4)	\$671,393.14

PROGRESS S-CURVE & CASH FLOW SCHEDULE

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	TOTAL
Planned Schedule Value	\$82,755.18	\$165,510.37	\$26,232.56	\$165,634.50	\$138,884.18	\$707,403.93	\$43,377.32	\$147,314.16	\$1,081.74	\$3,588.59	\$29,267.90	\$725,813.31	\$414,044.16	\$297,923.42	\$565,839.48	\$476,014.65	\$546,154.18	\$1,605,620.26	\$374,510.68	\$6,516,970.57
Planned Schedule Value (CUM)	\$72,410.79	\$248,265.55	\$367,626.28	\$760,860.11	\$1,286,213.66	\$1,338,951.45	\$1,377,861.99	\$1,524,241.22	\$1,640,561.44	\$1,705,086.54	\$1,989,339.32	\$2,316,442.31	\$2,566,877.13	\$3,020,066.20	\$5,031,015.15	\$5,701,268.52	\$6,150,326.17	\$6,419,370.67	\$6,516,970.57	\$6,516,970.57
Revised Schedule Value	\$30,488.75	\$113,243.94	\$107,409.99	\$57,661.93	\$129,937.14	\$86,541.01	\$11,545.01	\$279,220.52	\$175,884.31	\$78,392.48	\$20,177.94	\$144,896.04	\$51,880.42	\$218,200.45	\$227,116.97	\$87,445.49	\$1,299,806.34	\$2,609,336.27	\$787,785.00	\$6,516,970.00
Revised Schedule Value (CUM)	\$30,488.75	\$143,732.69	\$251,142.68	\$308,804.61	\$438,741.75	\$525,282.76	\$536,827.77	\$816,048.29	\$1,070,325.08	\$1,148,717.56	\$1,168,895.50	\$1,283,791.54	\$1,283,791.54	\$1,502,000.00	\$1,729,116.97	\$1,816,562.46	\$1,946,368.80	\$2,216,175.07	\$2,903,960.07	\$6,516,970.00
Actual Schedule Value	\$30,488.75	\$113,243.94	\$107,409.99	\$57,661.93	\$129,937.14	\$86,541.01	\$11,545.01	\$279,220.52	\$175,884.31	\$78,392.48	\$20,177.94	\$144,896.04	\$51,880.42	\$218,200.45	\$227,116.97	\$87,445.49	\$1,299,806.34	\$2,609,336.27	\$787,785.00	\$6,516,970.00
Actual Schedule Value (CUM)	\$30,488.75	\$143,732.69	\$251,142.68	\$308,804.61	\$438,741.75	\$525,282.76	\$536,827.77	\$816,048.29	\$1,070,325.08	\$1,148,717.56	\$1,168,895.50	\$1,283,791.54	\$1,283,791.54	\$1,502,000.00	\$1,729,116.97	\$1,816,562.46	\$1,946,368.80	\$2,216,175.07	\$2,903,960.07	\$6,516,970.00
% Planned Schedule	1.27%	3.81%	4.21%	6.75%	8.88%	19.74%	20.41%	22.67%	22.68%	22.74%	23.19%	34.32%	40.68%	45.25%	53.93%	61.24%	69.62%	94.25%	100.00%	100%
% Revised Schedule (CUM)	0.00%	3.00%	4.15%	4.74%	6.73%	8.06%	8.24%	12.52%	15.22%	16.42%	16.73%	18.96%	19.75%	23.10%	26.59%	27.93%	47.87%	87.91%	100.00%	100%
% Actual Schedule	0.00%	3.00%	4.15%	4.74%	6.73%	8.06%	8.24%	12.52%	15.22%	16.42%	16.73%	18.96%	19.75%	23.10%	26.59%	27.93%	47.87%	87.91%	100.00%	100%
% Actual Schedule (CUM)	0.00%	3.00%	4.15%	4.74%	6.73%	8.06%	8.24%	12.52%	15.22%	16.42%	16.73%	18.96%	19.75%	23.10%	26.59%	27.93%	47.87%	87.91%	100.00%	100%





INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$6,516,970.57
original Total Contract Value Less Day Work:	\$6,516,970.00
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	1-Dec-14

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$7,011,251.36
Revised Total Contract Value Less Day Work as per VO #04:	\$7,157,158.04
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	577CD
Revised Completion Date as per VO #4:	22-May-15
Data Date:	1-Dec-14

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

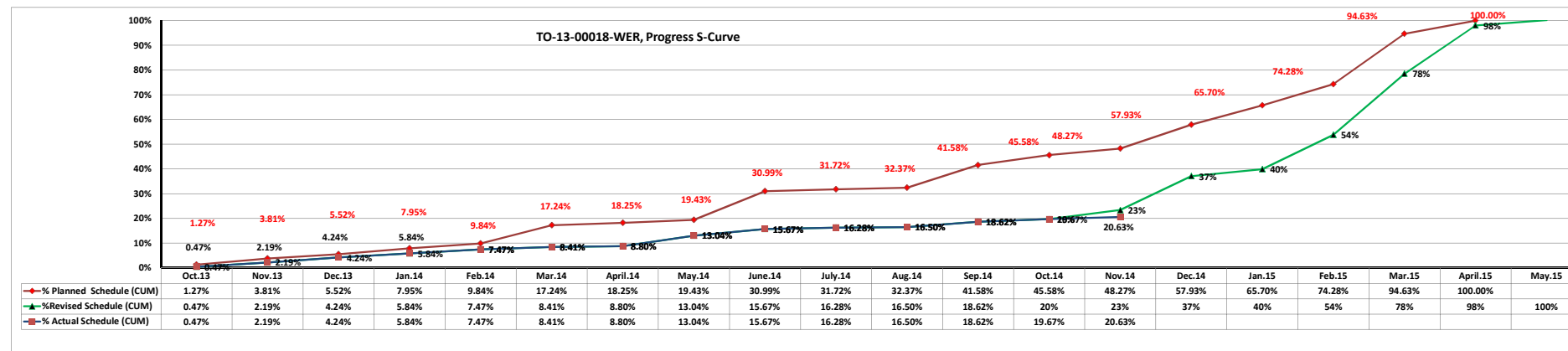
USD	
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Dec-14

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,555.82
Day Work Value as per VO #03:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 3):	\$13,904,555.82

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	TOTAL	
Planned Schedule Value	\$178,055.32	\$356,110.65	\$534,165.97	\$712,221.30	\$890,276.63	\$1,068,331.96	\$1,246,387.29	\$1,424,442.62	\$1,602,497.95	\$1,780,553.28	\$1,958,608.61	\$2,136,663.94	\$2,314,719.27	\$2,492,774.60	\$2,670,829.93	\$2,848,885.26	\$3,026,940.59	\$3,204,995.92	\$3,383,051.25	\$3,561,106.58	\$3,739,161.91	\$14,021,856.90
Planned Schedule Value (CUM)	\$178,055.32	\$534,165.97	\$1,068,331.96	\$1,780,553.28	\$2,670,829.93	\$3,739,161.91	\$5,026,995.92	\$6,451,438.54	\$8,053,935.79	\$9,834,489.07	\$11,803,142.35	\$13,939,806.29	\$16,254,585.56	\$18,747,360.56	\$21,418,240.53	\$24,267,125.82	\$27,294,076.81	\$30,509,072.73	\$33,912,123.98	\$37,503,285.23	\$41,284,446.48	\$14,021,856.90
Revised Schedule Value	\$65,599.32	\$238,968.78	\$407,568.10	\$576,167.42	\$744,766.74	\$913,366.06	\$1,081,965.38	\$1,250,564.70	\$1,419,164.02	\$1,587,763.34	\$1,756,362.66	\$1,924,961.98	\$2,093,561.30	\$2,262,160.62	\$2,430,759.94	\$2,600,359.26	\$2,769,958.58	\$2,939,557.90	\$3,109,157.22	\$3,278,756.54	\$3,448,355.86	\$14,050,462.86
Revised Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$543,167.42	\$819,135.84	\$1,104,104.26	\$1,399,072.68	\$1,694,041.10	\$1,989,009.52	\$2,283,977.94	\$2,578,946.36	\$2,873,914.78	\$3,168,883.20	\$3,463,851.62	\$3,758,820.04	\$4,053,788.46	\$4,348,756.88	\$4,643,725.30	\$4,938,693.72	\$5,233,662.14	\$5,528,630.56	\$5,823,600.00	\$14,050,462.86
Actual Schedule Value	\$65,599.32	\$238,968.78	\$407,568.10	\$576,167.42	\$744,766.74	\$913,366.06	\$1,081,965.38	\$1,250,564.70	\$1,419,164.02	\$1,587,763.34	\$1,756,362.66	\$1,924,961.98	\$2,093,561.30	\$2,262,160.62	\$2,430,759.94	\$2,600,359.26	\$2,769,958.58	\$2,939,557.90	\$3,109,157.22	\$3,278,756.54	\$3,448,355.86	\$14,050,462.86
Actual Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$543,167.42	\$819,135.84	\$1,104,104.26	\$1,399,072.68	\$1,694,041.10	\$1,989,009.52	\$2,283,977.94	\$2,578,946.36	\$2,873,914.78	\$3,168,883.20	\$3,463,851.62	\$3,758,820.04	\$4,053,788.46	\$4,348,756.88	\$4,643,725.30	\$4,938,693.72	\$5,233,662.14	\$5,528,630.56	\$5,823,600.00	\$14,050,462.86
% Planned Schedule	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%	100%
% Planned Schedule (CUM)	1.27%	3.81%	7.62%	11.43%	15.24%	19.05%	22.86%	26.67%	30.48%	34.29%	38.10%	41.91%	45.72%	49.53%	53.34%	57.15%	60.96%	64.77%	68.58%	72.39%	76.20%	100%
% Revised Schedule	0.47%	2.19%	4.24%	6.29%	8.34%	10.39%	12.44%	14.49%	16.54%	18.59%	20.64%	22.69%	24.74%	26.79%	28.84%	30.89%	32.94%	34.99%	37.04%	39.09%	41.14%	100%
% Revised Schedule (CUM)	0.47%	2.19%	4.24%	6.29%	8.34%	10.39%	12.44%	14.49%	16.54%	18.59%	20.64%	22.69%	24.74%	26.79%	28.84%	30.89%	32.94%	34.99%	37.04%	39.09%	41.14%	100%
% Actual Schedule	0.47%	2.19%	4.24%	6.29%	8.34%	10.39%	12.44%	14.49%	16.54%	18.59%	20.64%	22.69%	24.74%	26.79%	28.84%	30.89%	32.94%	34.99%	37.04%	39.09%	41.14%	100%
% Actual Schedule (CUM)	0.47%	2.19%	4.24%	6.29%	8.34%	10.39%	12.44%	14.49%	16.54%	18.59%	20.64%	22.69%	24.74%	26.79%	28.84%	30.89%	32.94%	34.99%	37.04%	39.09%	41.14%	100%



ARW 22.3 Site Memos Log

DISCLAIMER:

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Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-013	Modification of mechanical drawings for Project #1 and Project #2	November 11, 2014		SM is referred to Arraba & Sanur Projects
SM-13-00018-WER-E-C-014	Modification of electrical drawings for Project # 1 and Project #2	November 26, 2014		SM is referred to Arraba & Sanur Projects

ARW 22.4 Material or Equipment Delivered to Site Log

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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	November 2, 2014	Concrete B-35	43 m ³	BalanceTank Wall-Section C
2	November 4, 2014	Single size aggregate	20 m ³	Arraba Location
3	November 5, 2014	Crushed Drain Rock	20m ³	Arraba Location
4	November 6, 2014	Crushed Drain Rock	20m ³	Arraba Location
5	November 7, 2014	Crushed Drain Rock	40m ³	Arraba Location
6	November 8, 2014	Crushed Drain Rock	20m ³	Arraba Location
7	November 9, 2014	Crushed Drain Rock	20m ³	Arraba Location
8	November 10, 2014	Crushed Drain Rock	20m ³	Arraba Location
9		Concrete B350	57m ³	BalanceTank Wall-Section E2
10		Thioflif 600	25 L	Arraba Location
11		Hardener	0.5 L	Arraba Location
12	November 11, 2014	Nito-Proof 30	90 liter	Arraba Location
13	November 21, 2014	Concrete B350	57 m ³	BalanceTank Wall-Section E1
14	November 24, 2014	Base Course	20 m ³	Arraba Well
15	November 25, 2014	Base Course	25 m ³	Arraba Well

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	November 1, 2014	JCB Back Hole-1993-1			1
2		Steel Roller			2
3		Mercedes 416 -2002	1	8	
4		Level			1
5		Total Station			1
6		Concrete Vibrator			2
7	November 2, 2014	JCB Back Hole-1993-1	1	3	
8		Steel Roller			2
9		Mercedes 416 -2002	1	8	
10		Level	1	4	
11		Total Station	1	4	
12		Concrete Vibrator	1	3	1
13	November 3, 2014	JCB Back Hole-1993-1	1	3	
14		Steel Roller			2
15		Mercedes 416 -2002	1	8	
16		Level	1	4	
17		Total Station	1	4	
18		Concrete Vibrator			2
19	November 4, 2014	JCB Back Hole-1993-1	1	8	
20		Steel Roller			2
21		Mercedes 416 -2002	1	8	
22		Level	1	4	
23		Total Station	1	4	
24		Concrete Vibrator			2
25	November 5, 2014	JCB Back Hole-1993-1	1	8	
26		Bobcat-Caterpillar	1	6	
27		Steel Roller			2
28		Mercedes 416 -2002	1	8	
29		Level	1	4	
30		Total Station	1	4	
31	Concrete Vibrator			2	
32	November 6, 2014	JCB Back Hole-1993-1	2	8	
33		Steel Roller			2
34		Mercedes 416 -2002	1	8	
35		Truck	1	8	
36		Level	1	4	
37		Total Station	1	4	
38	Concrete Vibrator			2	
39	November 7, 2014	JCB Back Hole-1993-1	1	8	
40		Steel Compactor	1	8	1
41		Mercedes 416 -2002			
42		Truck	1	8	
43		Level			1
44		Total Station			1
45	Concrete Vibrator			2	
46	November 8, 2014	JCB Back Hole-1993-1	2	8	
47		Steel Roller			2
48		Mercedes 416 -2002	1	8	
49		Truck	2	8	
50		Level	1	4	
51		Total Station	1	4	
52	Concrete Vibrator			2	
53	November 9, 2014	JCB Back Hole-1993-1	2	8	
54		Steel Roller			2
55		Mercedes 416 -2002	1	8	
56		Truck	2	8	
57		Level	1	4	
58		Total Station	1	4	
59	Concrete Vibrator			2	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
60	November 10, 2014	JCB Back Hole-1993-1	2	8	
61		Steel Compactor	1	5	1
62		Mercedes 416 -2002	1	8	
63		Truck	2	10	
64		Level	1	4	
65		Total Station	1	4	
66		Concrete Vibrator	1	4	1
67	November 11, 2014	JCB Back Hole-1993-1	1	8	
68		Steel Roller			2
69		Mercedes 416 -2002	1	8	
70		Level	1	4	
71		Total Station	1	4	
72	Concrete Vibrator			2	
73	November 12, 2014	JCB Back Hole-1993-1	1	8	
74		Steel Roller			2
75		Mercedes 416 -2002	1	8	
76		Level	1	4	
77		Total Station	1	4	
78	Concrete Vibrator			2	
79	November 13, 2014	JCB Back Hole-1993-1	1	8	
80		Steel Roller			2
81		Mercedes 416 -2002	1	8	
82		Level	1	4	
83		Total Station	1	4	
84	Concrete Vibrator			2	
85	November 14, 2014	JCB Back Hole-1993-1	1	8	
86		Steel Roller			2
87		Mercedes 416 -2002			
88		Level			1
89		Total Station			1
90	Concrete Vibrator			2	
91	November 15, 2014	JCB Back Hole-1993-1	1	8	
92		Steel Compactor	1	8	1
93		Mercedes 416 -2002	1	8	
94		Truck	1	8	
95		Level	1	4	
96		Total Station	1	4	
97		Concrete Vibrator			2
98	November 16, 2014	JCB Back Hole-1993-1			1
99		Steel Roller			2
100		Level			1
101		Total Station			1
102		Concrete Vibrator			2
103	November 17, 2014	JCB Back Hole-1993-1	1	4	
104		Steel Roller			2
105		Mercedes 416-2002	1	6	
106		Level			1
107		Total Station			1
108	Concrete Vibrator			2	
109	November 18, 2014	JCB Back Hole-1993-1	1	4	
110		Steel Roller			2
111		Mercedes 416-2002	1	8	
112		Level	1	4	
113		Total Station	1	4	
114	Concrete Vibrator			2	
115	November 19, 2014	JCB Back Hole-1993-1	1	4	1
116		Steel Roller			2
117		Mercedes 416-2002	1	8	
118		Level	1	4	
119		Total Station	1	4	
120	Concrete Vibrator			2	
121	November 20, 2014	JCB Back Hole-1993-1	2	8	
122		Steel Compactor	1	8	1
123		Mercedes 416-2002	1	8	
124		Truck	2	8	
125		Level	1	4	
126		Total Station	1	4	
127	Concrete Vibrator			2	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
128	November 21, 2014	JCB Back Hole-1993-1	1	8	1
129		Steel Compactor	1	8	1
130		Mitsubishi L200-2007	1	8	
131		Truck	2	8	
132		Level			1
133		Total Station			1
134		Concrete Vibrator	1	5	1
135	November 22, 2014	JCB Back Hole-1993-1			2
136		Steel Roller			2
137		Mitsubishi L200-2007	1	8	
138		Level			1
139		Total Station			1
140		Concrete Vibrator			2
141	November 23, 2014	JCB Back Hole-1993-1			2
142		Steel Roller			2
143		Mercedes 416-2002	1	8	
144		Level			1
145		Total Station			1
146		Concrete Vibrator			2
147	November 24, 2014	JCB Back Hole-1993-1	1	2	1
148		Steel Compactor			2
149		Mercedes 416-2002	1	8	
150		Level			1
151		Total Station			1
152		Concrete Vibrator			2
153		November 25, 2014	JCB Back Hole-1993-1	1	2
154	Steel Compactor				2
155	Mercedes 416-2002		1	8	
156	Level				1
157	Total Station				1
158	Concrete Vibrator				2
159	November 26, 2014	JCB Back Hole-1993-1			2
160		Steel Compactor			2
161		Mercedes 416-2002	1	8	
162		Level			1
163		Total Station			1
164		Concrete Vibrator			2
165	November 27, 2014	JCB Back Hole-1993-1			2
166		Steel Compactor			2
167		Mercedes 416-2002	1	8	
168		Level			1
169		Total Station			1
170		Concrete Vibrator			2
171	November 28, 2014	JCB Back Hole-1993-1			2
172		Steel Compactor			2
173		Level			1
174		Total Station			1
175		Concrete Vibrator			2
176	November 29, 2014	JCB Back Hole-1993-1	1	8	1
177		Steel Compactor			2
178		Mercedes 416-2002	1	8	
179		Tractor	1	8	
180		Level	1	4	
181		Total Station			1
182		Concrete Vibrator			2
183	November 30, 2014	JCB Back Hole-1993-1	1	8	1
184		Steel Compactor			2
185		Mercedes 416-2002	1	8	
186		Tractor	1	8	
187		Level	1	4	
188		Total Station			1
189	Concrete Vibrator			2	

ARW 22.5 Inspection Requests Log

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		Color	Response Index
			Amend-Resubmit
			Pending
			Make Correction Noted

Inspection Requests Log

IRD / BV							
Task Order:	AID-294-TO-13-00018						
Project:	Wells Rehabilitation Project (WER)						
Sender/ Recipient	IRD/BV					2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-WER-018-A	November 2, 2014	November 2, 2014	Inspecting PVC pipes , PN16 , DN 32mm, PVC pipes , PN16 , DN 50mm, PVC pipes , PN16 , DN 63mm, PVC pipes , PN16 , DN 90mm, PVC elbow 90° , DN 63mm, PVC elbow 90° , DN 90mm, PVC elbow 90° , DN 110mm, PVC elbow 90° , DN 32mm, PVC elbow 90° , DN 50mm, PVC MUF DN 63mm , PVC MUF DN 90mm , PVC MUF DN 110mm , PVC MUF DN 32mm and PVC MUF DN 50mm	November 2, 2014	Amend - Resubmit		
IR-13-00018-WER-019-A	November 2, 2014	November 2, 2014	Inspecting Conbextra HF and Nitobond AR	November 2, 2014	No Exceptions Noted		
IR-13-00018-WER-020-A	November 6, 2014	November 6, 2014	Inspecting 6"and 8" Stainless Steel Pipes	November 6, 2014	No Exceptions Noted		
IR-13-00018-WER-021-A	November 11, 2014	November 11, 2014	Inspecting 3 Gange Box (P.15), 4 Gange Box (P.15), Conical Box(P.16), PVC Conduits (black and red) 3/4", PVC Conduits (red) 3/4", PVC Conduits (green) 3/4", PVC Conduits (blue) 3/4", PVC Conduits (brown) 3/4"and PVC Conduits (white) 3/4"	November 11, 2014	Amend - Resubmit		
IR-13-00018-WER-022-A	November 16, 2014	November 16, 2014	Inspecting GROUND ROD, GROUND COUPLING , GROUND CLAMP, GROUND DRIVIN POINT and EATH MANHOL	November 16, 2014	No Exceptions Noted		
IR-13-00018-WER-023-A	November 17, 2014	November 18, 2014	Inspecting Welded Steel Pipe DN:250mm - Epoxy Coated, Welded Steel Pipe DN:250mm - 3LPE Coated, Elbow 90° DN:250mm and Elbow 45° DN:250mm	Retracted on November 18, 2014			
IR-13-00018-WER-024-A	November 30, 2014	November 30, 2014	Inspecting PVC Pipes, PN 16, DN110mm	November 30, 2014	No Exceptions Noted		

	Color	Response Index
		Amend Resubmit
		Pending
		Make Correction Noted

Inspection Requests Log IRD/BV

Task Order:	AID-294-TO-13-00018						
Project:	Wells Rehabilitation Project						
Sender/ Recipient	IRD/BV		1st Inspection			2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-156-A	November 2, 2014	November 2, 2014	Inspecting Water Stop	November 2, 2014	Amend and Resubmit		
IR-13-00018-ARW-156-B	November 3, 2014	November 3, 2014	Inspecting Water Stop	November 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-157-A	November 4, 2014	November 4, 2014	Inspection For Installing and Leveling Underdrain Perforated System Behind Retaining Wall from Station 30+400 to Station 140+200 Prior to Start Backfilling	November 4, 2014	No Exceptions Noted		
IR-13-00018-ARW-158-A	November 5, 2014	November 6, 2014	Inspecting External Formwork Erection and Steel Reinforcement for Walls of Balance Tank-Section E2 to Close Internal Shutter	November 6, 2014	No Exceptions Noted		
IR-13-00018-ARW-159-A	November 6, 2014	November 6, 2014	Inspecting Debris Stop Gate 6" Stainless Steel Pipes at Arraba Balance Tank				
IR-13-00018-ARW-160-A	November 9, 2014	November 10, 2014	Inspecting the Steel Reinforcement and Formworks for B.T Walls – Section E2 Prior to Concrete Casting	November 10, 2014	Amend and Resubmit		
IR-13-00018-ARW-160-B	November 10, 2014	November 10, 2014	Inspecting the Steel Reinforcement and Formworks for B.T Walls – Section E2 Prior to Concrete Casting	November 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-161-A	November 10, 2014	November 10, 2014	Inspecting THIOFLEX EX 600, PRIMER 7E HARDENER and PRIMER 7E Base	November 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-162-A	November 11, 2014	November 11, 2014	Inspection for Furnishing and Installation of the Underdrain System Behind Retaining Wall, from Station (30+400) to Station (140+200)	November 11, 2014	No Exceptions Noted		
IR-13-00018-ARW-163-A	November 11, 2014	November 11, 2014	Inspecting External Concrete Surfaces Prior to Applying Damp-Proof Material (Nito Proof 30) for Retaining Wall-from 3.5m to Required Height , from Station (30+400) To Station (78+800)	November 11, 2014	No Exceptions Noted		
IR-13-00018-ARW-164-A	November 11, 2014	November 12, 2014	Inspecting External Concrete Surfaces Prior to Applying Damp-Proof Material (Nito Proof 30) for Retaining Wall-from 3.5m to Required Height , from Station (78+800) To Station (140+200)	November 12, 2014	No Exceptions Noted		
IR-13-00018-ARW-165-A	November 11, 2014	November 12, 2014	Inspecting the First layer Damp Proof Material (Nito-proof30) for Retaining Wall from Station (30+400) to Station (78+800) Prior to Applying the Second Layer	November 12, 2014	No Exceptions Noted		
IR-13-00018-ARW-166-A	November 12, 2014	November 12, 2014	Inspecting Nitoproof 30	November 12, 2014	No Exceptions Noted		
IR-13-00018-ARW-167-A	November 12, 2014	November 13, 2014	Inspecting the First layer Damp Proof Material (Nito-proof30) for Retaining Wall from Station (78+800) to Station (140+200) Prior to Applying the Second Layer	November 13, 2014	No Exceptions Noted		

	Color	Response Index
		Amend Resubmit
		Pending
		Make Correction Noted

Inspection Requests Log IRD/BV

Task Order:	AID-294-TO-13-00018						
Project:	Wells Rehabilitation Project						
Sender/ Recipient	IRD/BV		1st Inspection			2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-168-A	November 12, 2014	November 13, 2014	Inspecting the Second Layer Damp Proof Material (Nito-proof30) for Retaining Wall from Station (30+400) to Station (78+800) Prior to Start Backfilling	November 13, 2014	No Exceptions Noted		
IR-13-00018-ARW-169-A	November 12, 2014	November 13, 2014	Inspecting the Second Layer Damp Proof Material (Nito-proof30) for Retaining Wall from Station (78+800) to Station (140+200) Prior to Start Backfilling	November 13, 2014	No Exceptions Noted		
IR-13-00018-ARW-170-A	November 19, 2014	November 19, 2014	Inspecting the Location of 8" Thimbles for Overflow Pipes and 6" Thimbles for Equalization Pipes for Balance tank Wall-Section E1	November 19, 2014	No Exceptions Noted		
IR-13-00018-ARW-171-A	November 20, 2014	November 20, 2014	Inspecting Steel Reinforcement and Formwork Closing for Balance Tank Wall-Section E1 Prior to Concrete Casting	November 20, 2014	No Exceptions Noted		

ARW 22.6 Submittals Log

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Submittal Categories	Submittal Classification	Identification	Resubmittal Alpha Identifier	Submittal Disposition/Color Coding
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 CONS: CONSTRUCTION PSTD: PRELIMINARY	WER: WER Well Rehabilitation Project ARW: Project 1 Identifier SNW: Project 2 Identifier SDW: Project 3 Identifier	First Submittal: SUB-18-WER-001-A First Resubmittal: SUB-18-WER-001-B Second Resubmittal: SUB-18-WER-001-C	A: No Dispositions Needed B: Make Construction Needed C: Amend and Resubmit D: Reject-Resubmit E: Review Not Required F: Retained Pending Response

Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks	
SUB-00018-WER-127-B	Non Price BOQ Break Down	Section 01311	AD	CONS	SUB	WER			B		From main contractor directly	November 5, 2014		December 5, 2014	November 25, 2014	20	C		
SUB-00018-ARW-174-B	Balance Tank Instrumentation and Lighting Shop Drawing		SD	CONS	SUB	ARW			B		October 29, 2014	November 11, 2014		December 11, 2014	November 19, 2014	8	C		
SUB-00018-SNW-310-D	Shop Drawing "Samur well" Confirmed Profile	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			D		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A		
SUB-00018-ARW-536-B	Operation and Maintenance Technical Manual (Table of Contents)-Arraba Well Project	Section 01781-Paragraph: 1.6 & 1.7	PD	CONS	SUB	ARW			B		November 10, 2014	November 23, 2014		December 23, 2014				Pending	
SUB-00018-SNW-403-C	Method Statement for Samur Fence Wall Construction	Section: 02834, Paragraph: 1.2	AD	CONS	SUB	SNW			C		November 10, 2014	November 11, 2014		December 11, 2014	November 13, 2014	2	A		
SUB-00018-WER-431-B	Concrete Block Masonry Planet Qualification(Al. Fam'a Company)	Section 01300 Section 04232	PD	CONS	SUB	WER			B		November 5, 2014	November 9, 2014		December 9, 2014	November 16, 2014	7	B		
SUB-00018-SNW-438-B	Samur Living Quarters Electrical Shop Drawing	016110-Part 1.2 (B)-Drawing No: LQE-1.LQE-2-Rev.: Samur Confirmed Document	SD	CONS	SD	SNW			B		November 25, 2014	November 25, 2014		December 25, 2014	November 27, 2014	2	B		
SUB-00018-ARW-467-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed	Section 05100, Paragraph: 1.3B	AD	CONS	SUB	ARW			B		November 25, 2014	November 25, 2014		December 25, 2014					
SUB-00018-ARW-478-B	Electrical Metering Building Underground Electrical Conduit Shop Drawing	16110- Paragraph 1.2 (B)	SD	CONS	SUB	ARW			B		November 23, 2014	November 24, 2014		December 24, 2014				Pending	
SUB-00018-SNW-484-B	Earthing & Under Ground Conduits Systems Shop Drawings For Electrical Metering Building	16110, Paragraph: 1.2B	SD	CONS	SUB	SNW			B		November 23, 2014	November 24, 2014		December 24, 2014	November 30, 2014	6	B		
SUB-00018-WER-524-B	Multi-Function Valve	Section: 11259- Paragraph: 2.12A	PD	CONS	SUB	WER			B		October 30, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	A		
SUB-00018-WER-536-B	Electric Chemical Feed (Metering) Pumps	Section: 11259- Paragraph: 211	PD	CONS	SUB	WER			B		November 2, 2014	November 11, 2014		December 11, 2014	November 12, 2014	1	B		
SUB-00018-ARW-543-B	Method Statement for Backfilling behind the Retaining Wall-ARW	Section 02200	AD	CONS	SUB	ARW			B		From main contractor directly	November 12, 2014		December 12, 2014	November 12, 2014	0	A		
SUB-00018-SNW-551-A	Method statement for Samur Concrete kicker Surface Repair	Section 03700-Paragraph: 1.3-B.1	AD	CONS	SUB	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-SNW-552-A	Field Density Compaction Test for Subgrade – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-SNW-553-A	Field Density Compaction Test for Substrata – Electrical Control Room Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-SNW-554-A	Field Density Compaction Test for Base Course – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-SNW-555-A	Field Density Compaction Test for Base Course – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-ARW-556-A	Field Density Compaction Test for Base Course – Chlorination Room	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-SNW-557-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Base of Samur B.T.	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-ARW-558-A	Test Report on Concrete Compressive Strength at 28 Days of Age – B.T. Wall / Section B	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-ARW-559-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A		
SUB-00018-WER-560-A	Revised Original CPM Construction Schedule	Contractor's Manual, Sec. 4.1/16,	AD	CONS	SUB	WER			A		From main contractor directly	November 2, 2014		December 2, 2014	November 25, 2014	23	C		
SUB-00018-WER-560-B	Revised Original CPM Construction Schedule	Contractor's Manual, Sec. 4.1/16,	AD	CONS	SUB	WER			B		From main contractor directly	November 30, 2014		December 30, 2014					Pending
SUB-00018-WER-561-A	CPVC Joint Cleaner & Solvent Cement Material	Section: 15065 -Paragraph: 2.2 A & B	PD	CONS	SUB	WER			A		October 23, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	A		
SUB-00018-WER-562-A	Stainless Steel Nuts and Bolts	Section: 05500 , Paragraph: 2.3-C	PD	CONS	SUB	WER			A		October 22, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	C		
SUB-00018-SNW-563-A	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			A		October 30, 2014	November 3, 2014		December 3, 2014	November 9, 2014	6	C		
SUB-00018-SNW-563-B	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			B		November 16, 2014	November 17, 2014		December 17, 2014				Retracted	
SUB-00018-SNW-563-B	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			B		November 19, 2014	November 19, 2014		December 19, 2014	November 20, 2014	1	B		
SUB-00018-WER-564-A	Electric Heating	Section: 15549 -Paragraph: 2.1 & 2.2	PD	CONS	SUB	WER			A		October 27, 2014	November 3, 2014		December 3, 2014	November 12, 2014	9	C		
SUB-00018-WER-565-A	Drum Containment Pallet and Ramp	Section: 11259 -Paragraph: 2.3-B & C	PD	CONS	SUB	WER			A		October 13, 2014	November 3, 2014		December 3, 2014	November 5, 2014	2	B		
SUB-00018-SNW-566-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Wall of Samur B.T. / Section B	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 3, 2014		December 3, 2014	November 4, 2014	1	A		
SUB-00018-SNW-567-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Living Quarter Room Foundation	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 3, 2014		December 3, 2014	November 4, 2014	1	A		
SUB-00018-WER-568-A	Chlorination Room Plumbing Shop Drawings	Section: 15430 -Paragraph: 1.2-B	SD	CONS	SUB	WER			A		November 3, 2014	November 5, 2014		December 5, 2014				Retracted	
SUB-00018-WER-569-A	PVC SCH 80 Pipes and Fittings	Section: 15430 - Paragraph: 2.2-A	PD	CONS	SUB	WER			A		November 3, 2014	November 5, 2014		December 5, 2014	November 9, 2014	4	A		
SUB-00018-WER-570-A	Vibration Transducer	Section 16461-Part 2.2J & Section 17300- Appendix A & B	PD	CONS	SUB	WER			A			November 6, 2014		December 6, 2014	November 12, 2014	6	B		
SUB-00018-WER-571-A	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	November 9, 2014		December 9, 2014	November 12, 2014	3	C		
SUB-00018-WER-571-B	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	November 18, 2014		December 18, 2014	November 24, 2014	6	B		
SUB-00018-WER-572-A	QA/QC Submittal Register Monthly Update – October, 2014	Contractor's manual, 4.1-construction submittals (3)- Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	November 9, 2014		December 9, 2014	November 16, 2014	7	B		
SUB-00018-WER-573-A	Electrical Junction Box	Section 16140-Paragraph: 2.4	PD	CONS	SUB	WER			A		November 9, 2014	November 10, 2014		December 10, 2014	November 17, 2014	7	B		
SUB-00018-WER-574-A	Monthly Safety Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	A		
SUB-00018-WER-575-A	Monthly Risk Management Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	B		
SUB-00018-WER-576-A	Monthly Environmental Plan Update and Mitigation Plan Update- October 2014	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	B		
SUB-00018-SNW-577-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Under EMR Foundation - Encasement of 10" Washout Pipe	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	A		
SUB-00018-WER-578-A	Surge Control Bladder Tanks	Section: 13206	PD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014					Pending
SUB-00018-SNW-579-A	Test Report on Concrete Compressive Strength at 7 and 28 Days of Age – B.T Pits and Pump Suction Header Wall	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 11, 2014		December 11, 2014	November 12, 2014	1	A		

Submittal Category	Product Data	Submittal Classification	Procurement	Identifiers	Resubmitted Alpha Identifier	Submittal Disposition / Color Coding
PD	PRODUCT DATA	PCS	Procurement	WER Well Rehabilitation Project	First Submittal SUB-18-WER-018-A	A - No Exceptions Noted
SD	SHOP DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	First RE-Submittal SUB-18-WER-018-B	B - Make Corrections Noted
AD	ADMINISTRATIVE/OTHER	PNYS	Procurement	SNW : Project 2 Identifier	Second Resubmittal SUB-18-WER-018-C	C - Corrected and Resubmitted
TR	TEST REPORT		Procurement	SNW : Project 2 Identifier		D - Rejected - Revisions
SCH	SCHEDULE			SNW : Project 3 Identifier		E - Review Not Required
RPT	REPORT					F - Review Not Required
SMP	SAMPLE					G - Submittal Pending Response
CO	COMPLETION & CLOSEOUT					
MAT	MATERIAL					

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-580-A	Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2	PD	CONS	SUB	WER			A		November 5, 2014	November 11, 2014		December 11, 2014	November 19, 2014	8	D	
SUB-00018-WER-581-A	Electric Drum Transfer Pump	Section: 11259- Paragraphs: 2.2 & 2.4	PD	CONS	SUB	WER			A		October 30, 2014	November 11, 2014		December 11, 2014				Pending
SUB-00018-WER-582-A	Control and Instrumentation Cables-Alternative	Section: 01620-Paragraphs: 2.2 B & C	PD	CONS	SUB	WER			A		November 4, 2014	November 11, 2014		December 11, 2014	November 23, 2014	12	C	
SUB-00018-WER-583-A	PVC Electrical Conduits and Fittings - Alternative	Section: 01300 & 16110-Paragraphs: 1.8B & 2.3D-1	PD	CONS	SUB	WER			A		November 5, 2014	November 11, 2014		December 11, 2014	November 17, 2014	6	A	
SUB-00018-WER-584-A	Wall Mounted Toilet Exhaust Fans, Direct-Drive-In Living Quarters	Section: 15830- Paragraph: 2.5	PD	CONS	SUB	WER			A		November 10, 2014	November 11, 2014		December 11, 2014				Retracted
SUB-00018-WER-585-A	Sonic Level Measurement	Section: 17106- Paragraph: 2.1	PD	CONS	SUB	WER			A		November 6, 2014	November 13, 2014		December 13, 2014	November 23, 2014	10	C	
SUB-00018-SNW-586-A	Soil Confirmation Report for Chlorination Room – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-SNW-587-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur B.T Wall / Section C	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-ARW-588-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section C	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-SNW-589-A	Test Report on Concrete Compressive Strength at 7 Days of Age – S.O.G for Living Quarter	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-WER-590-A	CWI and Welder Qualification - Alternative	02570- Paragraph 3.3 E-1	AD	CONS	SUB	WER			A		From main contractor directly	November 13, 2014		December 13, 2014	November 17, 2014	4	A	
SUB-00018-ARW-591-A	Arraba Existing Pipe Line to Existing Reservoir Shop Drawings	Section: 15000	SD	CONS	SUB	ARW			A		November 13, 2014	November 17, 2014		December 17, 2014	November 25, 2014	8	C	
SUB-00018-ARW-592-A	Modified Safety Plan For Working At Night	Contractor's Manual -Sec 4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	ARW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 24, 2014	7	C	
SUB-00018-SNW-593-A	Modified Safety Plan For Working At Night	Contractor's Manual -Sec 4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	SNW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 24, 2014	7	C	
SUB-00018-SNW-594-A	Field Density Compaction Test for Substrata – Chlorination Room Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 18, 2014	1	A	
SUB-00018-WER-595-A	Plaster Accessories	Section 09200- Paragraph: 1.3B & 2.3A	PD	CONS	SUB	WER			A		November 13, 2014	November 17, 2014		December 17, 2014	November 19, 2014	2	C	
SUB-00018-WER-596-A	Fabricated Steel Elbow 70° Design Calculation	Section: 15000	PD	CONS	SUB	WER			A		November 16, 2014	November 17, 2014		December 17, 2014	November 25, 2014	8	B	
SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	ARW			A		November 17, 2014	November 18, 2014		December 18, 2014				Retracted
SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	ARW			A		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	B	
SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	SNW			A		November 17, 2014	November 18, 2014		December 18, 2014				Retracted
SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	SNW			A		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	B	
SUB-00018-WER-599-A	Visual Inspection Report of Welded Joints of Inlet, Overflow, Equalization and Recirculation Pipes	Section 02570	TR	CONS	Lab Test	WER			A		From main contractor directly	November 18, 2014		December 18, 2014	November 19, 2014	1	C	
SUB-00018-ARW-600-A	Test Report on Concrete Compressive Strength at 28 Days of Age – B.T. Wall / Section A	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-ARW-601-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section E2	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-SNW-602-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur Balance Tank Wall / Section A	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-WER-603-A	Plumbing Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER			A		November 16, 2014	November 19, 2014		December 19, 2014	November 23, 2014	4	C	
SUB-00018-SNW-604-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur Balance Tank Wall / Section D	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 20, 2014		December 20, 2014	November 20, 2014	0	A	
SUB-00018-ARW-605-A	Balance Tank Instrumentation System Shop Drawings - Arraba	Section 16110- Paragraph: 1.2 B	SD	CONS	SUB	ARW			A		November 23, 2014	November 23, 2014		December 23, 2014	November 30, 2014	7	B	
SUB-00018-ARW-606-A	Earth Shop Drawings for Electrical Metering Building	Section: 16450 – Paragraph: 1.2 (B)	SD	CONS	SUB	ARW			A		November 24, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-WER-607-A	Mechanical Expansion Joints - Alternative	Sections: 01300 & 15000 - Paragraphs: 1.8B-1E and 2.8A, B, C & E	PD	CONS	SUB	WER			A		November 19, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-SNW-608-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section B	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-609-A	Test Report on Concrete Compressive Strength at 28 Days of Age – L-Q Room Foundation	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-610-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-611-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Footing of the Concrete Fence Wall Between Stations (0+000 & 0+016)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-ARW-612-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-WER-613-A	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER			A		From main contractor directly	November 26, 2014		December 26, 2014	November 26, 2014	0	C	
SUB-00018-WER-613-B	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER			B		From main contractor directly	November 27, 2014		December 27, 2014	November 27, 2014	0	A	
SUB-00018-WER-614-A	Confined Space Safety Plan	Contractor's Manual - Section: 4.1	AD	CONS	SUB	WER			A		From main contractor directly	November 26, 2014		December 26, 2014	November 30, 2014	4	C	
SUB-00018-WER-615-A	Modified Formwork Design Calculations for B.T Elevated Roof Slab	Section 03100- Paragraph: 3.7	AD	CONS	SUB	WER			A		From main contractor directly	November 30, 2014		December 30, 2014				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 Rehabilitation & Infrastructure Improvements
 Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

NOA: September 25, 2013

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-049	The Engineer's comment on IRD submittals: SUB-13-00018-ARW-396-B; SUB-13-00018-SNW-397-B SUB-13-00018-SNW-398-B and SUB-13-00018-ARW-399-B. "2.7 Motor factory test shall be as IEEE 112, IEEE 143 and NEMA MG-2 specification 16460 Para. 3.2."		SEC.16460 Para. 3.2.	: Program Standard Detail-DWG. GA-6, Detail A-921	November 2, 2014	November 20, 2014	18		The paragraph cited in RFI is true only if other tests are required on the motors; Since IEEE and NEMA MG-1 are the only test required then testing on the supplied motor to IEEE and NEMA MG-2 shall be done and submitted to the Engineer	
RFI-18-WER-C-E-050	Scupper Drain For Buildings		Section-07545		November 9, 2014			Retracted		20-Nov-14
RFI-18-WER-C-E-051	Security Screens for Windows		SEC. 08660-Part-2		November 9, 2014	November 17, 2014	8		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-052	Sill (Finish Carpentry) for Aluminum Windows		Section 08520-Part 2.2	DWG. GA-5, Detail-A-912	November 10, 2014	November 17, 2014	7		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-053	Shifting of new buildings at Arraba well site			DWG. 4C-9, 4C-10	November 10, 2014	November 24, 2014	14		CMC have no objection on Contractor's proposed slight shifting to avoid the overlapping between the new living quarter building and the existing electrical equipment and utility metering equipment with no time/cost impact. Contractor to reflect the proposed changes in the shop drawings.	
RFI-18-WER-C-E-054	Flow Control Valves-Specified flow rate requirements	Arraba BOQ-Items 13.1,13.2, Sanur BOQ-Item 13.1	SEC.15217-PART-2-2.1.B		November 12, 2014	November 26, 2014	14		-	
RFI-18-WER-C-E-055	Tank roof hand rail and external ladder		Section 05500	Program Standard Design Sheets- GS-9 and GS-10.	November 12, 2014	November 17, 2014	5		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-056	Chlorination Building - Sump Pump	-	Section: 11152 - Paragraph: 2-2.1	Program Standard Design - Sheet CSM-1	November 25, 2014			Pending		

ARW 22.8 Variation Order Request and Variation Order Log

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NTP: October 23, 2013

Task Order:

Task Order: 00018-WER

NOA: September 25, 2013

Projects:

Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements

Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

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

There were no Vos issued during the current reporting period

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-007-A	November 30, 2014		0 Days	\$276,012	, BV Responses on "SUB-00018-ARW-396-B, SUB-00018-SNW-397-B, UB-00018-SNW-398-B and SUB-00018-.ARW-399-B)		RFI#035, SM#006 & 007	VOR included the following: 1- Furnish Vertical Turbine Line Shaft Pumps (VTLSPP) for both Arraba and Sanur Wells as per RFI#35 and SM#006 and SM#007. 2- Furnish Vertical Turbine Pumps (VTP) for both Arraba and Sanur booster stations as per RFI#035.	Pending	

ARW 22.9 Employment Generated Data

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

Task Order Name: Wells Rehabilitation Project-WER

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 or 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	81	79	232	155	195	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						0	0			
January	2015						0	0			
February	2015						0	0			
March	2015						0	0			
April	2015						0	0			
May	2015						0	0			
June	2015						0	0			
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							1336	56.12394958			

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

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

DATE	Site Staff Job Days **																				Man-days*							
	Worker/Classification (Hours)																			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other				
	Management			Engineers					Skilled labor				Unskilled labor		Other													
Task Order Manager	Quality Control Manager	Safety & Env. Manager	Project Manager #1, #2, etc..	Document Control Engineer(F)	Document Control Engineer	Civil Engineer (F)	Office Engineer	Site Engineer	Supervisant	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard/ Security	Janitor (F)	Janitor	Surveyor	Surveyor Assistant	Welder	Geological	Supervisor						
November 1, 2014	4	4	4	12	4	4	4	4	8	8	40	8	2	56	36	4	8	4					3	3	7.25	7	6.5	
November 2, 2014	4	4	4	12	4	4	4	4	8	8	40	8	3	48	36	4	8	4	4				3	3	7.375	6	7	
November 3, 2014	4	4	4	12	4	4	4	4	8	8	40	8	3	56	36	4	8	4	4				3	3	7.375	7	7	
November 4, 2014	4	4	4	12	4	4	4	4	8	8	40	8	8	56	36	4	8	4	4				3	3	8	7	7	
November 5, 2014	4	4	4	12	4	4	4	4	8	8	56	8	16	64	36	4	8	4	4				3	3	11	8	7	
November 6, 2014	4	4	4	12	4	4	4	4	8	8	40	8	16	48	36	4	8	4	4				3	3	9	6	7	
November 7, 2014												8	16	24	36								0	0	3	3	4.5	
November 8, 2014	4	4	4	12	4	4	4	4	8	8	40	8	16	56	36	4	8	4	4				3	3	9	7	7	
November 9, 2014	4	4	4	12	4	4	4	4	8	8	64	8	16	64	36	4	8	4					3	3	12	8	6.5	
November 10, 2014	4	5	5	14	4	4	4	4	10	10	70	10	24	70	36	4	8	4					3.5	3.25	14.25	8.75	6.5	
November 11, 2014	4	4	4	12	4	4	4	4	8	8	48	8	8	48	36	4	8	4					3	3	9	6	6.5	
November 12, 2014	4	4	4	12	4	4	4	4	8	8	56	8	8	56	36	4	8	4					3	3	10	7	6.5	
November 13, 2014	4	4	4	12	4	4	4	4	8	8	56	8	8	56	36	4	8	4					3	3	10	7	6.5	
November 14, 2014												8	8	24	36								0	0	2	3	4.5	
November 15, 2014	4	4	4	12	4	4	4	4	8	8	56	8	16	56	36	4	8	4					3	3	11	7	6.5	
November 16, 2014	4	4	4	12	4	4	4	4	8	8	8	8		36	36	4	8						3	3	2	0	6	
November 17, 2014	4	4	4	12	4	4	4	4	6	6	36	6	4	36	36	4	8						3	2.75	6.5	4.5	6	
November 18, 2014	4	4	4	12	4	4	4	4	8	8	48	8	4	48	36	4	8	4					3	3	8.5	6	6.5	
November 19, 2014	4	4	4	12	4	4	4	4	8	8	48	8	4	48	36	4	8	4					3	3	8.5	6	6.5	
November 20, 2014	4	4	4	12	4	4	4	4	8	8	40	8	24	48	36	4	8	4					3	3	10	6	6.5	
November 21, 2014		5		5					5	5	30	5	16	30	36								1.25	0.625	7	3.75	4.5	
November 22, 2014	4	4	4	12	4	4	4	4	8	8	8	8		36	36	4	8	4					3	3	2	0	6.5	
November 23, 2014	4	4	4	12	4	4	4	4	8	8	8	8		48	36	4	8	4					3	3	3	6	6.5	
November 24, 2014	4	4	4	12	4	4	4	4	8	8	48	8	2	48	36	4	8	4					3	3	8.25	6	6.5	
November 25, 2014	4	4	4	12	4	4	4	4	8	8	56	8	2	56	36	4	8	4					3	3	9.25	7	6.5	
November 26, 2014	4	4	4	12	4	4	4	4	8	8				36	36	4	8	4					3	3	1	0	6.5	
November 27, 2014	4	4	4	12	4	4	4	4	8	8				36	36	4	8						3	3	1	0	6	
November 28, 2014														36									0	0	0	0	4.5	
November 29, 2014	4	4	4	12	4	4	4	4	8	8	56	8	8	56	36	4	8	4					3	3	10	7	6.5	
November 30, 2014	4	4	4	12	4	4	4	4	8	8	56	8	8	56	36	4	8	4					3	3	10	7	6.5	
Total of Month	104	110	105	319	104	104	104	104	213	213	1088	197	240	0	1256	1080	104	208	92	24	0	0	0	79.75	78.625	217.3	157	188.5

ARW 22.10 Risk Register Log

DISCLAIMER:

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RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such as 10" pipe and/or the buried electric cables	Delay in work, water shortage , electric shortage, injuries	Contractor	19th of March, 2014	2	2	4	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking during pumping process.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel injuries (electric shock).	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	Construction	Fall of personnel during construction of Balance Tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars or any other objects.	Personnel injuries.	Contractor	September, 2014	2	1	2	No	No	Mitigate	Holding TB meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings. Good house-keeping of the site in all times.	IRD	Existing	
4	Construction	Fall of loose material during backfilling behind retaining wall and/or slipping of personnel and equipment due to wet ground.	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 to Rain and that will wet the ground.	Personnel injuries.	Contractor	October, 2015	2	3	6	No	No	Mitigate	1- Initial release of an any possible loose materials. 2- All working personnel on moving equipment are instructed to strictly follow flag man directions. 3- Working personnel are instructed to avoid working and moving on wet ground, they should wait until the ground is dry. 4- The high area facing the retaining wall from western side is covered with and protected with plastic shelters from the highest point till the bottom of the ground.	IRD	Existing	
5	Contractor	Delay in procurement of big electrical equipment	Procurement of electrical equipment (control and instrumentation) 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	

CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period: November
01-November 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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Attachments

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

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

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RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

One Month Lookahead Schedule

01-Dec-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015						
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J			
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS																														
Milestones																														
Intermediate Milestones																														
MS00068	Completion of Rehabilitation for Sanour Well Pump Station	0		01-Dec-14		155																								
Submittals																														
Construction Submittals																														
Material Submittals																														
Civil																														
Building Works																														
CS690	Prep.&Submit Rough&Finish Carpentry - Product Data	7	01-Dec-14	08-Dec-14		56																								
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	01-Dec-14	08-Dec-14		56																								
CS780	Prep.&Submit Flush Wood Doors - Sample	7	01-Dec-14	08-Dec-14		56																								
CS810	Prep.&Submit Coiling Doors & Grilles - Sample & Product Data	7	01-Dec-14	08-Dec-14		55																								
CS820	Prep.&Submit Aluminum Windows - Sample	7	01-Dec-14	08-Dec-14		37																								
CS895	Approval of Plastering Accessories - Sample	0		16-Dec-14		40																								
CS910	Prep.&Submit Terrazzo Tiles - Sample & Product Data	7	01-Dec-14	08-Dec-14		56																								
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	01-Dec-14	08-Dec-14		56																								
CS992	Approval of Toilet Accessories - Sample & Product Data	0		18-Dec-14		73																								
Roads Works																														
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	01-Dec-14	08-Dec-14		80																								
CS460	Prep.&Submit MC Prime Coat - Data Sheet	7	01-Dec-14	08-Dec-14		80																								
CS470	Prep.&Submit Asphalt Core Test	7	01-Dec-14	08-Dec-14		80																								
CS740	Prep.&Submit Road Accessories - Product Data & Sample	7	01-Dec-14	08-Dec-14		92																								
Miscellaneous																														
CS486	Prep&Submit Gates - Sample	7	01-Dec-14	08-Dec-14		69																								
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	01-Dec-14	08-Dec-14		24																								
CS610	Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample	7	01-Dec-14	08-Dec-14		55																								
CS700	Prep.&Submit PVC Membrane Roofing - Sample&Product Data	7	01-Dec-14	08-Dec-14		47																								
CS860	Prep.&Submit Finish & Hardware Product - Sample & Product Data	7	01-Dec-14	08-Dec-14		37																								
CS900	Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data	7	01-Dec-14	08-Dec-14		8																								
CS970	Prep.&Submit Lockers - Sample & Product Data	7	01-Dec-14	08-Dec-14		57																								
CS975	Prep.&Submit Storage Shelving - Sample	7	01-Dec-14	08-Dec-14		28																								
CS997	Approval of Toilet Accessories - Sample & Product Data	0		18-Dec-14		73																								
Mechanical																														
Local Manufacturer																														
CS341	Prep&Submit Copper Pipes - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS367	Approval of CPVC Pipes - Product Data	0		01-Dec-14		165																								
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	01-Dec-14	06-Dec-14		134																								
CS577	Approval of Valves (Control, Gate, Butterfly, Check, Ball, Pressure, etc) - Product Data/Test R	0		01-Dec-14		-23																								
CS587	Approval of Plumping (Piping, Fixtures&Equipment) - Product Data	0		01-Dec-14		165																								
CS661	Prep&Submit Heat, Ventilation&Air Conditioning Equipment - Product Data	5	01-Dec-14	01-Dec-14	24-Aug-14	138																								
CS677	Prep&Submit Chlorination System Pumps, Tanks, Drums, Injectors, Hose Pips.	5	01-Dec-14	06-Dec-14		60																								
CS688	Prep&Submit Kitchen Equipment - Product Data	5	01-Dec-14	06-Dec-14		58																								
Abroad Manufacturer (Long Lead Items)																														
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	01-Dec-14	01-Dec-14	15-Sep-14	64																								
CS291	Prep&Submit Horizontal Louver Blinds - Sample	5	01-Dec-14	01-Dec-14	15-Sep-14	4																								
CS307	Approval of Surge Control Bladder Tank - Certification, Product Data&Test report	0		09-Dec-14		30																								
CS311	Prep&Submit Polyethylene Tank - Product Data	5	01-Dec-14	01-Dec-14	15-Sep-14	-25																								

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



Date	Revision	Checked	Approved
01-Dec-14	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	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015		
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M
CS592	Approval of Plumping (Piping,Fixtures&Equipment) - Shop Drawing	0		04-Dec-14		59																				
CS612	Approval of Heat,Ventilation,Duct Work&Air Conditioning Equipment - Shop Drawing	0		22-Dec-14		72																				
Electrical																										
CS671	Prep.&Submit Electrical Raceway Systems - Shop Drawing	5	01-Dec-14	06-Dec-14		44																				
CS681	Prep.&Submit Wire,Cable&Wiring Devices - Shop Drawing	5	01-Dec-14	06-Dec-14		44																				
CS691	Prep.&Submit Metal Enclosed Switchgear - Shop Drawing	5	01-Dec-14	06-Dec-14		55																				
CS731	Prep.&Submit Short Circuit Study	5	01-Dec-14	06-Dec-14		10																				
CS751	Prep.&Submit Variable Frequency Drive Units 400V - Shop Drawing	5	01-Dec-14	03-Dec-14	15-Sep-14	47																				
CS801	Prep.&Submit Motor Control Center&Solid State Reduced Starters - Shop Drawing	5	01-Dec-14	03-Dec-14	15-Sep-14	55																				
CS827	Approval of Lighting - Shop Drawing	0		01-Dec-14		90																				
CS837	Approval of Lightning Protection System - Shop Drawing	0		01-Dec-14		80																				
CS857	Approval of Process Control&Instrumentation System - Shop Drawing	0		22-Dec-14		71																				
Methods Statement & Work Plans																										
Civil																										
CS1058	Approval of Welder Qualifications&Field Welding Procedure	0		01-Dec-14		28																				
CS1391	Prep.&Submit Field Testing, Pressure Test&Disinfection Plan	5	01-Dec-14	06-Dec-14		45																				
CS2160	Prep.&Submit Load&Deflection Tables for Miscellanios Metal Works	5	01-Dec-14	06-Dec-14		10																				
Mechanical																										
CS1411	Prep&Submit Vertical Multistage Turbine Booster Pump - Statements	20	01-Dec-14	23-Dec-14		39																				
CS2170	Prep&Submit Vertical Well Pump - Statements	20	01-Dec-14	23-Dec-14		39																				
Electrical																										
CS2190	Prep.&Submit Metal Enclosed Switchgear - Statements	20	01-Dec-14	23-Dec-14		40																				
Execution Phase																										
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements																										
P1 - Arraba Well Pump Station Infrastructure Improvement																										
Demolishing,Site Development,Apply Safety Measurments&Site Preparation																										
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	01-Dec-14	02-Dec-14	30-Dec-13	163																				
P1-DEMO-000010	Excavation for Clearing,Site Grading&Preparation	7	01-Dec-14	02-Dec-14	18-Mar-14	58																				
P1-DEMO-000020	Erosion & Sediment Control Systems	10	01-Dec-14	11-Dec-14		58																				
P1-DEMO-000030	Miscellaneous Excavation	3	01-Dec-14	01-Dec-14	18-Mar-14	164																				
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	01-Dec-14	01-Dec-14	15-Apr-14	164																				
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-Dec-14	01-Dec-14	14-Jun-14	86																				
Retaining Wall Group # 2 (St.55+60 to St.78+80)																										
Civil & Structural Works																										
P1-RT-180	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	13-Jul-14	164																				
Retaining Wall Group # 3 (St.78+80 to St.102+00)																										
Civil & Structural Works																										
P1-RT-270	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	14-Aug-14	164																				
Boundary Wall Group # 4 A -(St-102+00 to St.126+80)																										
Civil & Structural Works																										
P1-RT-360	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	21-Aug-14	164																				
Boundary Wall Group # 4 B -(St.126+80 to St.140+20)																										
Civil & Structural Works																										
P1-RT-630	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	28-Aug-14	164																				
Retaining Wall Group # 5 -(St. 30+40 to St.36+40)																										
Civil & Structural Works																										
P1-RT-450	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	06-Jul-14	164																				
Retaining Wall Group # 6 -(St.00+00 to St.30+40)																										
Civil & Structural Works																										
P1-RT-540	Furnish,Install Fence&Backfilling	2	01-Dec-14	01-Dec-14	26-Jun-14	88																				
Balance Tank 1000 m3																										

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



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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015		
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M
Civil & Structural Works																										
P1-BT-000190	Form/Steel Rebars for Roof Slab	20	01-Dec-14	11-Dec-14	24-Nov-14	2																				
P1-BT-000300	Casting Concrete for Roof Slab & Mechanical Finishing	1	13-Dec-14	13-Dec-14		2																				
Booster Pump System																										
Civil & Structural Works																										
P1-BP-000040	Apply Safety Measurement/Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14	17-Mar-14	164																				
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump Slab	2	01-Dec-14	02-Dec-14	20-May-14	11																				
P1-BP-000060	Cast Concrete - Blinding	1	02-Dec-14	03-Dec-14		11																				
P1-BP-000070	Concrete Curing	7	03-Dec-14	11-Dec-14		13																				
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	03-Dec-14	14-Dec-14		11																				
Septic & Seepage Tank																										
Civil & Structural Works																										
P1-SS-000040	Excavation for Foundation,Furnishing Leveling&Compaction	2	01-Dec-14	02-Dec-14		-9																				
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	03-Dec-14	04-Dec-14		-9																				
P1-SS-000060	Cast R.C. for Base Slab & Ring Beam	1	06-Dec-14	06-Dec-14		-9																				
P1-SS-000070	Concrete Curing	7	07-Dec-14	14-Dec-14		-9																				
P1-SS-000080	Form/Steel Rebars for the Walls	4	07-Dec-14	10-Dec-14		-6																				
P1-SS-000090	Cast Reinforced Concrete for the Wallls	1	15-Dec-14	15-Dec-14		-9																				
P1-SS-000100	Concrete Curing	7	16-Dec-14	23-Dec-14		-9																				
P1-SS-000110	Deshuttering & Curing For Walls	1	24-Dec-14	24-Dec-14		-9																				
P1-SS-000120	Form/Steel Rebars for the Roof Slab	4	25-Dec-14	29-Dec-14		-9																				
P1-SS-000130	Cast Reinforced Concrete for the Roof Slab	1	30-Dec-14	30-Dec-14		-9																				
Plumbing Works																										
P1-SS-P-00010	Furnish & Install of all Piping Required	4	07-Dec-14	10-Dec-14		58																				
Electrical & Control Building																										
Civil & Structural Works																										
P1-CE-000040	Excavation Leveling for Foundation & Compacted Basecourse Layer 20cm	9	01-Dec-14	10-Dec-14		-26																				
P1-CE-000050	Form/Steel Rebars for Foundation	4	11-Dec-14	15-Dec-14		-26																				
P1-CE-000060	Cast Concrete	1	17-Dec-14	17-Dec-14		-26																				
P1-CE-000070	Concrete Curing	7	18-Dec-14	25-Dec-14		-19																				
P1-CE-000080	Form/Steel Rebars for Slab on Grade & Compacted Basecourse layer 20cm	10	18-Dec-14	29-Dec-14		-26																				
P1-CE-000090	Cast R.C. for the Slab on Grade	1	30-Dec-14	30-Dec-14		-26																				
Electrical & Instrumentation Works																										
P1-CE-E-00010	Earthing	1	16-Dec-14	16-Dec-14		-26																				
Chlorination & Storage Building																										
Civil & Structural Works																										
P1-CHS-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14		3																				
P1-CHS-000040	Furnishing,Leveling Subgrade Compacted layers 20cm	2	02-Dec-14	03-Dec-14		3																				
P1-CHS-000050	Form/Steel Rebars for Foundation	4	04-Dec-14	08-Dec-14		3																				
P1-CHS-000060	Cast Concrete	1	10-Dec-14	10-Dec-14		3																				
P1-CHS-000070	Concrete Curing	7	11-Dec-14	18-Dec-14		3																				
P1-CHS-000080	Form/Steel Rebars for Slab on Grade	3	11-Dec-14	14-Dec-14		4																				
Electrical & Instrumentation Works																										
P1-CHS-E-0010	Earthing System	1	09-Dec-14	09-Dec-14		3																				
Living Quarters Building																										
Civil & Structural Works																										
P1-LQ-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14	29-Nov-14	1																				
P1-LQ-000040	Compacted Basecourse layer 25cm	3	01-Dec-14	04-Dec-14		1																				
P1-LQ-000050	Form/Steel Rebars for Foundation	3	04-Dec-14	08-Dec-14		1																				
P1-LQ-000060	Cast Concrete	1	08-Dec-14	09-Dec-14		1																				
P1-LQ-000070	Concrete Curing	7	09-Dec-14	17-Dec-14		1																				
P1-LQ-000080	Form/Steel Rebars for Slab on Grade	3	09-Dec-14	13-Dec-14		4																				
P1-LQ-000090	Cast R.C. for the Slab on Grade	1	13-Dec-14	14-Dec-14		4																				
P1-LQ-000100	Concrete Curing	7	17-Dec-14	25-Dec-14		1																				

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

Summary



Date	Revision	Checked	Approved
01-Dec-14	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	Total Float	Qtr 4, 2013		Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015		
							Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M
P2-EM-310	Form/Steel Rebars for Slab on Grade	5	10-Dec-14	15-Dec-14		29																				
P2-EM-320	Cast R.C. for the Slab on Grade	1	16-Dec-14	16-Dec-14		29																				
P2-EM-330	Concrete Curing	7	18-Dec-14	25-Dec-14		28																				
P2-EM-340	Form/Steel Rebars for the Walls	5	20-Dec-14	24-Dec-14		29																				
P2-EM-350	Cast Reinforced Concrete for the Wallis	2	27-Dec-14	28-Dec-14		28																				
Electrical & Instrumentation Works																										
P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	04-Dec-14	04-Dec-14		105																				
Well Systems																										
Wellhead and Pad (Structural)																										
P2-WS-090	Excavation to the Required Depth	3	01-Dec-14	03-Dec-14		-22																				
P2-WS-100	Grading & Compacting Subgrade Layers	5	04-Dec-14	09-Dec-14		-22																				
P2-WS-110	Furnish & Install Subgrade Piping	14	10-Dec-14	25-Dec-14		-22																				
(O&M), Inspection, Commissioning, Start Up & Training																										
Initial Operation & Manufacturer Technical Manual Submittals (O&M)																										
P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	01-Dec-14	13-Dec-14		66																				
P2-OM-00030	Prep&Submit Safety&Health Training	10	01-Dec-14	11-Dec-14		66																				
P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	01-Dec-14	14-Dec-14		86																				
P2-OM-00050	Prep&Submit O&M for Duty Motive Pumps	10	14-Dec-14	24-Dec-14		77																				
P2-OM-00060	Prep&Submit O&M for Equipment General	10	14-Dec-14	24-Dec-14		77																				
P2-OM-00110	Prep&Submit O&M for VFD	10	01-Dec-14	11-Dec-14		-10																				
P2-OM-00140	Prep&Submit for VFD Electrical Test	10	13-Dec-14	23-Dec-14		78																				

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

▼ Summary



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

RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

Nov.2014 Roll Up Schedule

01-Dec-14

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Gantt Chart											
								Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Total		340	01-Dec-14	20-Jun-15	23-Oct-13		0	[Gantt Chart]											
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS								[Gantt Chart]											
Milestones								[Gantt Chart]											
Mobilization								[Gantt Chart]											
Submittals								[Gantt Chart]											
Pre Construction Submittals								[Gantt Chart]											
Construction Submittals								[Gantt Chart]											
Material Submittals								[Gantt Chart]											
Shop Drawings								[Gantt Chart]											
Methods Statement & Work Plans								[Gantt Chart]											
Post Construction Submittals								[Gantt Chart]											
Procurement								[Gantt Chart]											
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
Mechanical Equipment								[Gantt Chart]											
Electrical Equipment								[Gantt Chart]											
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
Mechanical Equipment								[Gantt Chart]											
Electrical Equipment								[Gantt Chart]											
Steel Pipes,Fittings&Valves								[Gantt Chart]											
Material Order & Manufacture								[Gantt Chart]											
All Needed Pipes,Steel Pipes & Fittings								[Gantt Chart]											
Valves								[Gantt Chart]											
Material Delivery								[Gantt Chart]											
All Needed Pipes,Steel Pipes & Fittings								[Gantt Chart]											
Valves								[Gantt Chart]											
Execution Phase								[Gantt Chart]											
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements								[Gantt Chart]											
Mobilization for P1								[Gantt Chart]											
P1 - Arraba Well Pump Station Rehabilitation								[Gantt Chart]											
Design Review After Well Development Results								[Gantt Chart]											
Geophysical Logging Final Acceptance								[Gantt Chart]											
P1 - Arraba Well Pump Station Infrastructure Improvement								[Gantt Chart]											
Demolishing,Site Development,Apply Safety Measurments&Site Preparation								[Gantt Chart]											
Construction of New Pump Station								[Gantt Chart]											
Retaining Walls								[Gantt Chart]											
Balance Tank 1000 m3								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Finishing Works								[Gantt Chart]											
Metal Fabricated Works								[Gantt Chart]											
Mechanical Works								[Gantt Chart]											
Electrical & Instrumentation Works								[Gantt Chart]											
Test Water Tightness For Reservoir								[Gantt Chart]											
Booster Pump System								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Steel Structure & Metal Works								[Gantt Chart]											
Mechanical Works								[Gantt Chart]											
Electrical & Instrumentation Works								[Gantt Chart]											
Coatings & Finishing Works								[Gantt Chart]											
Septic & Seepage Tank								[Gantt Chart]											
Civil & Structural Works								[Gantt Chart]											
Plumbing Works								[Gantt Chart]											

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

Summary



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

SNW 22.2 “S” Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	1-Dec-14

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$7,011,251.36
Revised Total Contract Value Less Day Work as per VO #04:	\$7,157,158.04
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	577CD
Revised Completion Date as per VO #4:	22-May-15
Data Date:	1-Dec-14

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

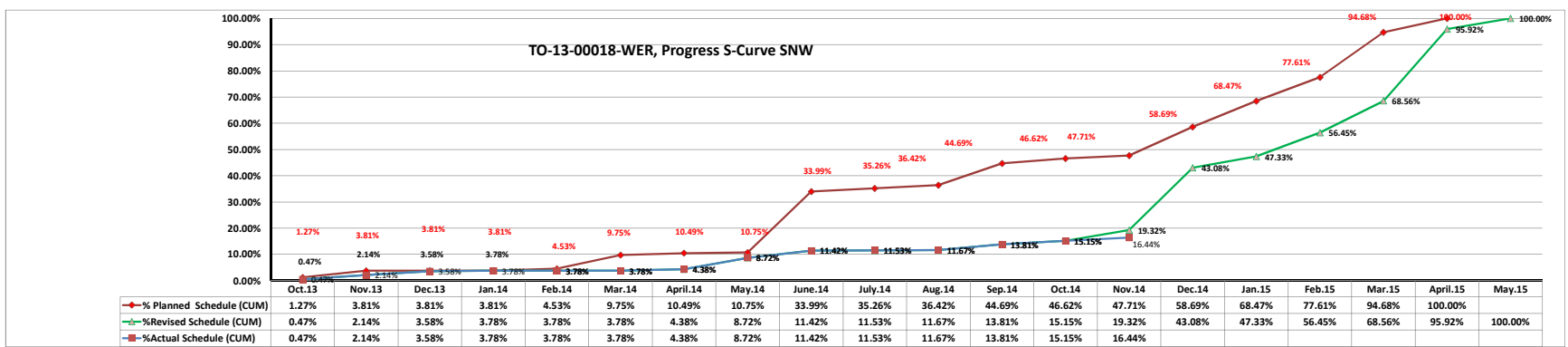
USD	
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Dec-14

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,556.73
Day Work Value as per VO #03:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 3)	\$13,904,555.82

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	TOTAL
Planned Schedule Value	\$89,031.76	\$178,063.52	\$0.00	\$0.00	\$50,174.31	\$366,069.78	\$52,054.25	\$18,529.80	\$1,629,422.14	\$88,484.74	\$81,638.67	\$580,138.98	\$134,972.72	\$76,571.56	\$769,741.05	\$685,807.25	\$641,052.45	\$1,196,820.69	\$372,677.69		\$7,011,251.36
Planned Schedule Value (CUM)	\$77,902.79	\$267,095.28	\$281,908.05	\$315,880.76	\$375,724.65	\$725,517.34	\$898,695.58	\$934,835.75	\$997,990.64	\$1,243,541.31	\$1,761,611.80	\$2,601,559.21	\$3,021,324.71	\$3,702,761.95	\$6,261,674.86	\$6,527,630.28	\$6,639,899.51	\$6,908,943.42	\$7,011,251.35		\$7,011,251.35
Revised Schedule Value	\$32,801.17	\$117,147.05	\$103,089.41	\$14,057.65	\$0.00	\$0.00	\$43,146.71	\$310,442.22	\$193,749.42	\$7,332.45	\$10,277.85	\$153,461.06	\$95,529.42	\$298,616.19	\$1,700,570.66	\$304,458.88	\$652,643.85	\$866,680.38	\$1,957,918.94	\$295,234.73	\$7,157,158.04
Revised Schedule Value (CUM)	\$32,801.17	\$149,348.22	\$253,037.63	\$267,095.28	\$267,095.28	\$267,095.28	\$310,241.99	\$620,684.21	\$814,433.63	\$821,766.08	\$832,043.93	\$985,504.99	\$1,081,034.41	\$1,379,650.60	\$3,080,221.26	\$3,384,680.14	\$4,037,323.99	\$4,904,004.37	\$6,861,923.31	\$7,157,158.04	\$7,157,158.04
Actual Schedule Value	\$32,801.17	\$117,147.05	\$103,089.41	\$14,057.65	\$0.00	\$0.00	\$43,146.71	\$310,442.22	\$193,749.42	\$7,332.45	\$10,277.85	\$153,461.06	\$95,529.42	\$298,616.19	\$1,700,570.66	\$304,458.88	\$652,643.85	\$866,680.38	\$1,957,918.94	\$295,234.73	\$7,157,158.04
Actual Schedule Value (CUM)	\$32,801.17	\$149,348.22	\$253,037.63	\$267,095.28	\$267,095.28	\$267,095.28	\$310,241.99	\$620,684.21	\$814,433.63	\$821,766.08	\$832,043.93	\$985,504.99	\$1,081,034.41	\$1,379,650.60	\$3,080,221.26	\$3,384,680.14	\$4,037,323.99	\$4,904,004.37	\$6,861,923.31	\$7,157,158.04	\$7,157,158.04
% Planned Schedule	1.27%	3.81%	3.81%	3.81%	0.00%	0.72%	0.74%	0.26%	23.24%	1.26%	1.16%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%		100%
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	9.75%	10.49%	10.75%	33.99%	35.26%	36.42%	44.69%	46.62%	47.71%	58.69%	68.47%	77.61%	94.68%	100.00%	4.13%	100%
% Revised Schedule	0.46%	1.44%	1.44%	0.20%	0.00%	0.00%	0.60%	4.34%	2.71%	0.10%	0.14%	2.14%	1.33%	4.17%	23.76%	4.25%	9.12%	12.11%	27.36%		100%
% Revised Schedule (CUM)	0.47%	2.14%	3.58%	3.78%	3.78%	3.78%	4.38%	8.72%	11.42%	11.53%	11.67%	13.81%	15.15%	19.32%	43.08%	47.33%	56.45%	68.56%	95.92%	100.00%	100%
% Actual Schedule	0.46%	1.44%	1.44%	0.20%	0.00%	0.00%	0.60%	4.34%	2.71%	0.10%	0.14%	2.14%	1.33%	4.17%	23.76%	4.25%	9.12%	12.11%	27.36%		100%
% Actual Schedule (CUM)	0.47%	2.14%	3.58%	3.78%	3.78%	3.78%	4.38%	8.72%	11.42%	11.53%	11.67%	13.81%	15.15%	16.44%							





INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$6,516,970.57
original Total Contract Value Less Day Work:	\$6,516,970.00
NTP (Notice to Proceed)	23-Oct-13
Duration of Contract:	550 CD
Completion Date:	25-Apr-15
Data Date:	1-Dec-14

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Total Contract Value Less Day Work:	\$7,011,251.36
Revised Total Contract Value Less Day Work as per VO #04:	\$7,157,158.04
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	25-Apr-15
Revised Duration of Contract as per VO #4:	577CD
Revised Completion Date as per VO #4:	22-May-15
Data Date:	1-Dec-14

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

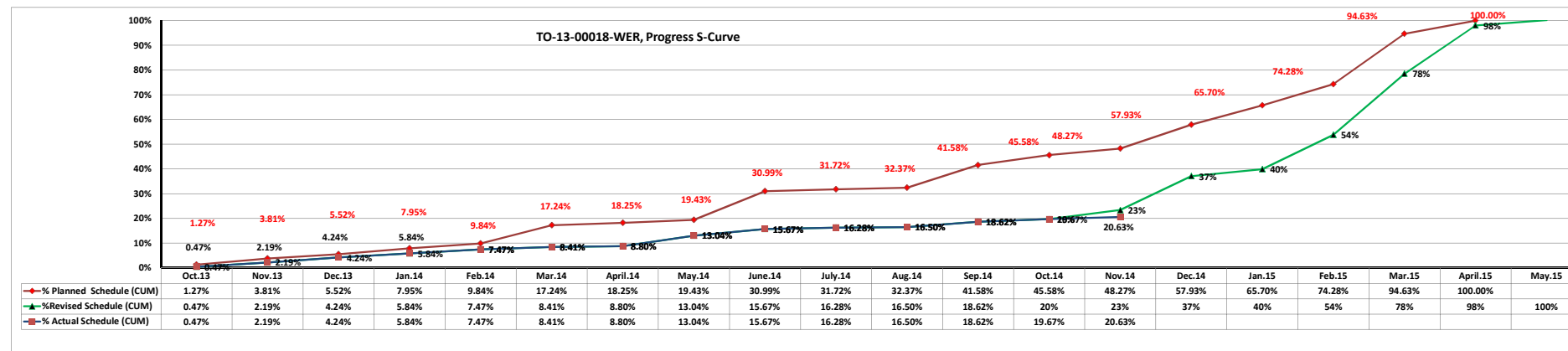
USD	
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3 :	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Dec-14

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

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,555.82
Day Work Value as per VO #03:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #4:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 3):	\$13,904,555.82

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	TOTAL	
Planned Schedule Value	\$178,055.32	\$356,110.65	\$534,165.97	\$712,221.30	\$890,276.63	\$1,068,331.96	\$1,246,387.29	\$1,424,442.62	\$1,602,497.95	\$1,780,553.28	\$1,958,608.61	\$2,136,663.94	\$2,314,719.27	\$2,492,774.60	\$2,670,829.93	\$2,848,885.26	\$3,026,940.59	\$3,204,995.92	\$3,383,051.25	\$3,561,106.58	\$3,739,161.91	\$14,021,856.90
Planned Schedule Value (CUM)	\$178,055.32	\$534,165.97	\$1,068,331.96	\$1,780,553.28	\$2,670,829.93	\$3,739,161.91	\$5,026,995.92	\$6,451,438.54	\$8,053,935.73	\$9,834,488.91	\$11,803,142.10	\$13,939,806.04	\$16,254,525.21	\$18,747,299.81	\$21,418,129.74	\$24,267,070.33	\$27,294,066.35	\$30,509,117.27	\$33,912,223.52	\$37,503,385.43	\$41,284,547.34	\$14,021,856.90
Revised Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$322,149.26	\$358,676.44	\$395,203.62	\$431,730.80	\$468,257.98	\$504,785.16	\$541,312.34	\$577,839.52	\$614,366.70	\$650,893.88	\$687,421.06	\$723,948.24	\$760,475.42	\$797,002.60	\$833,529.78	\$870,056.96	\$906,584.14	\$943,111.32	\$14,050,462.86
Revised Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$912,339.44	\$1,271,015.88	\$1,666,219.50	\$2,097,950.30	\$2,566,208.28	\$3,070,993.44	\$3,612,305.78	\$4,190,145.30	\$4,804,511.98	\$5,455,405.76	\$6,142,817.82	\$6,866,766.06	\$7,627,241.48	\$8,424,273.18	\$9,257,775.96	\$10,128,851.92	\$11,037,528.84	\$12,000,000.00	\$14,050,462.86
Actual Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$322,149.26	\$358,676.44	\$395,203.62	\$431,730.80	\$468,257.98	\$504,785.16	\$541,312.34	\$577,839.52	\$614,366.70	\$650,893.88	\$687,421.06	\$723,948.24	\$760,475.42	\$797,002.60	\$833,529.78	\$870,056.96	\$906,584.14	\$943,111.32	\$14,050,462.86
Actual Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$912,339.44	\$1,271,015.88	\$1,666,219.50	\$2,097,950.30	\$2,566,208.28	\$3,070,993.44	\$3,612,305.78	\$4,190,145.30	\$4,804,511.98	\$5,455,405.76	\$6,142,817.82	\$6,866,766.06	\$7,627,241.48	\$8,424,273.18	\$9,257,775.96	\$10,128,851.92	\$11,037,528.84	\$12,000,000.00	\$14,050,462.86
% Planned Schedule	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%	100%
% Planned Schedule (CUM)	1.27%	3.81%	7.62%	11.43%	15.24%	19.05%	22.86%	26.67%	30.48%	34.29%	38.10%	41.91%	45.72%	49.53%	53.34%	57.15%	60.96%	64.77%	68.58%	72.39%	76.20%	100%
% Revised Schedule	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	9.35%	10.29%	11.23%	12.17%	13.11%	14.05%	14.99%	15.93%	16.87%	17.81%	18.75%	19.69%	20.63%	21.57%	22.51%	100%
% Revised Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	9.35%	10.29%	11.23%	12.17%	13.11%	14.05%	14.99%	15.93%	16.87%	17.81%	18.75%	19.69%	20.63%	21.57%	22.51%	100%
% Actual Schedule	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	9.35%	10.29%	11.23%	12.17%	13.11%	14.05%	14.99%	15.93%	16.87%	17.81%	18.75%	19.69%	20.63%	21.57%	22.51%	100%
% Actual Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	9.35%	10.29%	11.23%	12.17%	13.11%	14.05%	14.99%	15.93%	16.87%	17.81%	18.75%	19.69%	20.63%	21.57%	22.51%	100%



SNW 22.3 Site Memos Log

DISCLAIMER:

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Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-WER-E-C-013	Modification of mechanical drawings for Project #1 and Project #2	November 11, 2014		SM is referred to Arraba & Sanur Projects
SM-13-00018-WER-E-C-014	Modification of electrical drawings for Project # 1 and Project #2	November 26, 2014		SM is referred to Arraba & Sanur Projects

SNW 22.4 Material or Equipment Delivered to Site Log

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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	November 1, 2014	JCB Back Hole-1993-1			1
2		Steel Compactor 80cm			2
3		Mitsubishi L200-2007	1	8	
4		Total Station			1
5		Level			1
6		Concrete Vibrator			1
7	November 2, 2014	JCB Back Hole-1993-1	1	4	
8		Steel Compactor 80cm			2
9		Mitsubishi L200-2007	1	8	
10		Total Station	1	4	
11		Level	1	4	
12		Concrete Vibrator			1
13	November 3, 2014	JCB Back Hole-1993-1	1	4	
14		Steel Compactor			2
15		Mitsubishi L200-2007	1	8	
16		Total Station			1
17		Level			1
18		Concrete Vibrator			1
19	November 4, 2014	JCB Back Hole-1993-1			1
20		Steel Compactor 80cm			2
21		Mitsubishi L200-2007	1	8	
22		Total Station	1	4	
23		Level	1	4	
24		Concrete Vibrator			1
25	November 5, 2014	JCB Back Hole-1993-1			1
26		Steel Compactor 80cm			2
27		Mitsubishi L200-2007	1	8	
28		Total Station			1
29		Level			1
30		Concrete Vibrator			1
31	November 6, 2014	JCB Back Hole-1993-1			1
32		Steel Compactor 80cm			2
33		Mitsubishi L200-2007	1	8	
34		Total Station			1
35		Level			1
36		Concrete Vibrator	1	3	
37	November 7, 2014	JCB Back Hole-1993-1			1
38		Steel Compactor 80cm			2
39		Mitsubishi L200-2007	1	8	
40		Total Station			1
41		Level			1
42		Concrete Vibrator			1
43		JCB Back Hole-1993-1	1	8	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
44	November 8, 2014	Steel Compactor 80cm			2
45		Mitsubishi L200-2007	1	8	
46		Total Station	1	2	
47		Level	1	2	
48		Concrete Vibrator	1	3	
49	November 9, 2014	JCB Back Hole-1993-1	1	6	
50		Steel Compactor 80cm			2
51		Mitsubishi L200-2007	1	8	
52		Total Station	1	3	
53		Level	1	3	
54		Concrete Vibrator			1
55	November 10, 2014	JCB Back Hole-1993-1			1
56		Steel Compactor			2
57		Mitsubishi L200-2007	1	8	
58		Total Station			1
59		Level	1	3	
60		Concrete Vibrator			1
61	November 11, 2014	JCB Back Hole-1993-1	1	4	
62		Steel Compactor 80cm			2
63		Mitsubishi L200-2007	1	8	
64		Total Station	1	1	
65		Level			1
66		Concrete Vibrator			1
67	November 12, 2014	JCB Back Hole-1993-1	1	8	
68		Steel Compactor 80cm	1	4	1
69		Mitsubishi L200-2007	1	8	
70		Total Station	1	1	
71		Level			1
72		Concrete Vibrator			1
73	November 13, 2014	JCB Back Hole-1993-1	1	8	
74		Steel Compactor	1	8	1
75		Mitsubishi L200-2007	1	8	
76		Total Station			1
77		Level	1	1	1
78		Concrete Vibrator	1	4	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
79	November 14, 2014	JCB Back Hole-1993-1			1
80		Steel Compactor 80cm			2
81		Mitsubishi L200-2007	1	8	
82		Total Station			1
83		Level			1
84		Concrete Vibrator			1
85	November 15, 2014	JCB Back Hole-1993-1	1	4	
86		Steel Compactor			2
87		Mitsubishi L200-2007	1	8	
88		Total Station			1
89		Level	1	1	
90		Concrete Vibrator			1
91	November 16, 2014	JCB Back Hole-1993-1			1
92		Steel Compactor 80cm			2
93		Total Station			1
94		Level			1
95		Concrete Vibrator			1
96		November 17, 2014	JCB Back Hole-1993-1		
97	Steel Compactor 80cm				2
98	Mitsubishi L200-2007		1	6	
99	Total Station				1
100	Level				1
101	Concrete Vibrator				1
102	November 18, 2014	JCB Back Hole-1993-1			1
103		Steel Compactor 80cm			2
104		Mitsubishi L200-2007	1	8	
105		JCB Back Hole-1993-1			1
106		Steel Compactor 80cm			2
107		Mitsubishi L200-2007	1	8	
108	November 19, 2014	JCB Back Hole-1993-1	1	4	
109		Steel Compactor 80cm	1	4	1
110		Mitsubishi L200-2007	1	8	
111		Total Station			1
112		Level			1
113		Concrete Vibrator			1
114	November 20, 2014	JCB Back Hole-1993-1	1	3	
115		Steel Compactor 80cm			1
116		Mitsubishi L200-2007	1	6	
117		Total Station	1	2	
118		Level			1
119		Concrete Vibrator			1
120	November 21, 2014	JCB Back Hole-1993-1			1
121		Steel Compactor 80cm			1
122		Total Station			1
123		Level			1
124		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
125	November 22, 2014	JCB Back Hole-1993-1			1
126		Steel Compactor 80cm			1
127		Total Station			1
128		Level			1
129		Concrete Vibrator			1
130	November 23, 2014	JCB Back Hole-1993-1			1
131		Steel Compactor 80cm			1
132		Mitsubishi L200-2007	1	8	
133		Total Station			1
134		Level			1
135	Concrete Vibrator			1	
136	November 24, 2014	JCB Back Hole-1993-1			1
137		Steel Compactor 80cm			1
138		Mitsubishi L200-2007	1	8	
139		Total Station			1
140		Level			1
141	Concrete Vibrator	1	4		
142	November 25, 2014	JCB Back Hole-1993-1	1	2	
143		Steel Compactor 80cm			1
144		Mitsubishi L200-2007	1	8	
145		Total Station	1	4	
146		Level	1	4	
147	Concrete Vibrator			1	
148	November 26, 2014	JCB Back Hole-1993-1			1
149		Steel Compactor 80cm			1
150		Mitsubishi L200-2007	1	8	
151		Total Station			1
152		Level			1
153	Concrete Vibrator			1	
154	November 27, 2014	JCB Back Hole-1993-1			1
155		Steel Compactor 80cm			1
156		Mitsubishi L200-2007	1	8	
157		Total Station			1
158		Level			1
159	Concrete Vibrator			1	
160	November 28, 2014	JCB Back Hole-1993-1			1
161		Steel Compactor 80cm			1
162		Total Station			1
163		Level			1
164		Concrete Vibrator			1
165	November 29, 2014	JCB Back Hole-1993-1			1
166		Steel Compactor 80cm			1
167		Mitsubishi L200-2007	1	8	
168		Total Station			1
169		Level			1
170	Concrete Vibrator			1	
171	November 30, 2014	JCB Back Hole-1993-1			1
172		Steel Compactor 80cm			1
173		Mitsubishi L200-2007	1	8	
174		Total Station			1
175		Level			1
176	Concrete Vibrator			1	

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	November 2, 2014	Conbextra HF	200 KG	Sanur Location
2		Nito-bond AR	18 Liter	Sanur Location
3	November 6, 2014	Concrete B350	44 m ³	Balance Tank Wall-Section D
4	November 13, 2014	Concrete B350	61 m ³	Balance Tank Wall-Section E1
5	November 24, 2014	Concrete B350	57 m ³	Balance Tank Wall-Section E2
6	November 30, 2014	PVC Pipes, PN 16, ON 110mm	300 meter	Sanur Location

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
		No Exceptions Noted

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-SNW-086-B	November 13, 2014	November 13, 2014	Inspecting the Steel Reinforcement and Formworks for Foundation of the Fence Wall - Segment AB (St. 0 to St. 0+016) Prior to Concrete Casting	November 13, 2014	No Exceptions Noted				
IR-13-00018-SNW-088-A	November 2, 2014	November 3, 2014	Inspecting Installation of Earthing Junction Box and Lightning Conduit for Sanur Balance Tank Wall-Section D	November 3, 2014	No Exceptions Noted				
IR-13-00018-SNW-089-A	November 2, 2014	November 3, 2014	Inspecting External Formwork Erection and Steel Reinforcement for Walls of Balance Tank-Section D to Close Internal Shutter	November 3, 2014	Amend and Resubmit				
IR-13-00018-SNW-089-B	November 4, 2014	November 4, 2014	Inspecting External Formwork Erection and Steel Reinforcement for Walls of Balance Tank-Section D to Close Internal Shutter	November 4, 2014	No Exceptions Noted				
IR-13-00018-SNW-090-A	November 5, 2014	November 6, 2014	Inspecting the Location of Stainless Steel Pipes 6" for Balance Tank Inlet and 1" for Balance Tank Recirculation-Section D	November 6, 2014	No Exceptions Noted				
IR-13-00018-SNW-091-A	November 5, 2014	November 6, 2014	Inspecting the Steel Reinforcement and Formwork for B.T Walls – Section D Prior to Concrete Casting	November 6, 2014	No Exceptions Noted				
IR-13-00018-SNW-092-A	November 9, 2014	November 9, 2014	Inspecting Vent Pipes for Living Quarter Building	November 9, 2014	Amend and Resubmit				
IR-13-00018-SNW-092-B	November 23, 2014	November 23, 2014	Inspecting Vent Pipes for Living Quarter Building	November 23, 2014	No Exceptions Noted				
IR-13-00018-SNW-093-A	November 9, 2014	November 10, 2014	Inspecting the External Formwork and Steel Reinforcement of the Baffle Walls-Section E1 of the Balance Tank	November 10, 2014	Amend and Resubmit				
IR-13-00018-SNW-093-B	November 11, 2014	November 11, 2014	Inspecting the External Formwork and Steel Reinforcement of the Baffle Walls-Section E1 of the Balance Tank	November 11, 2014	No Exceptions Noted				
IR-13-00018-SNW-094-A	November 11, 2014	November 11, 2014	Inspecting the Location-Coordinates of the Chlorination Building	November 11, 2014	No Exceptions Noted				
IR-13-00018-SNW-095-A	November 12, 2014	November 12, 2014	Inspecting the Location of 8" Thimbles for Overflow Pipes and 6" Thimbles for Equalization Pipes for Balance tank Wall-Section E1	November 12, 2014	No Exceptions Noted				
IR-13-00018-SNW-096-A	November 12, 2014	November 12, 2014	Inspecting RENDROK FC and NITOBOND SBR 201	November 12, 2014	No Exceptions Noted				
IR-13-00018-SNW-097-A	November 13, 2014	November 13, 2014	Inspecting Steel Reinforcement and Formwork Closing for Balance Tank Wall-Section E1 Prior to Concrete Casting	November 13, 2014	No Exceptions Noted				

	Color	Response Index
		Amend-Resubmit
		Pending
		No Exceptions Noted

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-SNW-098-A	November 20, 2014	November 20, 2014	Inspecting the Preparation Works and Applying of the First Layer Damp-Proof (Nitoproof 30) for Foundation of Fence Wall- Section AB, from Station (00+00) to St.(00+016) to Receive Second Layer	November 20, 2014	No Exceptions Noted		
IR-13-00018-SNW-099-A	November 23, 2014	November 23, 2014	Inspecting External Formwork Erection and Steel Reinforcement for Walls of Balance Tank-Section E2 to Close Internal Shutter	November 23, 2014	No Exceptions Noted		
IR-13-00018-SNW-100-A	November 24, 2014	November 24, 2014	Inspecting the Steel Reinforcement and Formwork for B.T Walls – Section E2 Prior to Concrete Casting	November 24, 2014	No Exceptions Noted		

SNW 22.6 Submittals Log

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Submittal Categories	Submittal Classification	Phase/Status	Identifiers	Resubmittal Alpha Identifier	Submittal Disposition/ Color Coding
PD SD AD TR SCH RPT SMP CO MAT	PCS CONS PSTS	Pre-construction Construction Post construction	WER: Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SWV : Project 3 Identifier	First Submittal: SUB-18-WER-061-A First Resubmittal: SUB-18-WER-061-B Second Resubmittal: SUB-18-WER-061-C	Not Reviewed/Noted Made Corrections/Noted Approved and Resubmit Rejected-Resubmit Review Not Required Submittal Pending Response

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-127-B	Non Price BOQ Break Down	Section 01311	AD	CONS	SUB	WER			B		From main contractor directly	November 5, 2014		December 5, 2014	November 25, 2014	20	C	
SUB-00018-ARW-174-B	Balance Tank Instrumentation and Lighting Shop Drawing		SD	CONS	SUB	ARW			B		October 29, 2014	November 11, 2014		December 11, 2014	November 19, 2014	8	C	
SUB-00018-SNW-310-D	Shop Drawing "Sanur well" Confirmed Profile	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW			D		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-ARW-336-B	Operation and Maintenance Technical Manual (Table of Contents)-Arraba Well Project	Section 01781-Paragraph: 1.6 & 1.7	PD	CONS	SUB	ARW			B		November 10, 2014	November 23, 2014		December 23, 2014				Pending
SUB-00018-SNW-403-C	Method Statement for Sanur Fence Wall Construction	Section: 02834, Paragraph: 1.2	AD	CONS	SUB	SNW			C		November 10, 2014	November 11, 2014		December 11, 2014	November 13, 2014	2	A	
SUB-00018-WER-431-B	Concrete Block Masonry Planet Qualification(AL Fara'a Company)	Section 01300 Section 04232	PD	CONS	SUB	WER			B		November 5, 2014	November 9, 2014		December 9, 2014	November 16, 2014	7	B	
SUB-00018-SNW-438-B	Sanur Living Quarters Electrical Shop Drawing	016110-Part 1.2 (B)-Drawing No: LQE-1,LQE-2-Rev.: Sanur Confirmed Document	SD	CONS	SD	SNW			B		November 25, 2014	November 25, 2014		December 25, 2014	November 27, 2014	2	B	
SUB-00018-ARW-467-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed	Section 05100- Paragraph: 1.3B	AD	CONS	SUB	ARW			B		November 25, 2014	November 25, 2014		December 25, 2014				
SUB-00018-ARW-478-B	Electrical Metering Building Underground Electrical Conduit Shop Drawing	16110- Paragraph: 1.2 (B)	SD	CONS	SUB	ARW			B		November 23, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-SNW-484-B	Earthing & Under Ground Conduits Systems Shop Drawings For Electrical Metering Building	16110, Paragraph: 1.2B	SD	CONS	SUB	SNW			B		November 23, 2014	November 24, 2014		December 24, 2014	November 30, 2014	6	B	
SUB-00018-WER-524-B	Multi-Function Valve	Section: 11259- Paragraph: 2.12A	PD	CONS	SUB	WER			B		October 30, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	A	
SUB-00018-WER-536-B	Electric Chemical Feed (Metering) Pumps	Section: 11259- Paragraph: 211	PD	CONS	SUB	WER			B		November 2, 2014	November 11, 2014		December 11, 2014	November 12, 2014	1	B	
SUB-00018-ARW-543-B	Method Statement for Backfilling behind the Retaining Wall-ARW	Section 02200	AD	CONS	SUB	ARW			B		From main contractor directly	November 12, 2014		December 12, 2014	November 12, 2014	0	A	
SUB-00018-SNW-551-A	Method statement for Sanur Concrete kicker Surface Repair	Section 03700-Paragraph: 1.3-B.1	AD	CONS	SUB	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-552-A	Field Density Compaction Test for Subgrade – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-553-A	Field Density Compaction Test for Substrata – Electrical Control Room Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-554-A	Field Density Compaction Test for Base Course – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-555-A	Field Density Compaction Test for Base Course – EMR Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-556-A	Field Density Compaction Test for Base Course – Chlorination Room	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-557-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Base of Sanur B.T.	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-558-A	Test Report on Concrete Compressive Strength at 28 Days of Age – B.T. Wall / Section B	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-559-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-WER-560-A	Revised Original CPM Construction Schedule	Contractor's Manual, Sec. 4.1/16,	AD	CONS	SUB	WER			A		From main contractor directly	November 2, 2014		December 2, 2014	November 25, 2014	23	C	
SUB-00018-WER-560-B	Revised Original CPM Construction Schedule	Contractor's Manual, Sec. 4.1/16,	AD	CONS	SUB	WER			B		From main contractor directly	November 30, 2014		December 30, 2014				Pending
SUB-00018-WER-561-A	CPVC Joint Cleaner & Solvent Cement Material	Section: 15065 -Paragraph: 2.2 A & B	PD	CONS	SUB	WER			A		October 23, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	A	
SUB-00018-WER-562-A	Stainless Steel Nuts and Bolts	Section: 05500 , Paragraph: 2.3-C	PD	CONS	SUB	WER			A		October 22, 2014	November 3, 2014		December 3, 2014	November 4, 2014	1	C	
SUB-00018-SNW-563-A	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			A		October 30, 2014	November 3, 2014		December 3, 2014	November 9, 2014	6	C	
SUB-00018-SNW-563-B	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			B		November 19, 2014	November 19, 2014		December 19, 2014	November 20, 2014	1	B	
SUB-00018-WER-564-A	Electric Heating	Section: 15549 -Paragraph: 2.1 & 2.2	PD	CONS	SUB	WER			A		October 27, 2014	November 3, 2014		December 3, 2014	November 12, 2014	9	C	
SUB-00018-WER-565-A	Drum Containment Pallet and Ramp	Section: 11259-Paragraph: 2.3-B & C	PD	CONS	SUB	WER			A		October 13, 2014	November 3, 2014		December 3, 2014	November 5, 2014	2	B	
SUB-00018-SNW-566-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Wall of Sanur B.T. / Section B	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 3, 2014		December 3, 2014	November 4, 2014	1	A	
SUB-00018-SNW-567-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Living Quarter Room Foundation	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 3, 2014		December 3, 2014	November 4, 2014	1	A	
SUB-00018-WER-568-A	Chlorination Room Plumbing Shop Drawings	Section: 15430- Paragraph: 1.2-B	SD	CONS	SUB	WER			A		November 3, 2014	November 5, 2014		December 5, 2014				Retracted
SUB-00018-WER-569-A	PVC SCH 80 Pipes and Fittings	Section: 15430- Paragraph: 2.2-A	PD	CONS	SUB	WER			A		November 3, 2014	November 5, 2014		December 5, 2014	November 9, 2014	4	A	
SUB-00018-WER-570-A	Vibration Transducer	Section 16461-Part 2.2 J & Section 17300- Appendix A & B	PD	CONS	SUB	WER			A			November 6, 2014		December 6, 2014	November 12, 2014	6	B	
SUB-00018-WER-571-A	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	November 9, 2014		December 9, 2014	November 12, 2014	3	C	
SUB-00018-WER-571-B	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	November 18, 2014		December 18, 2014	November 24, 2014	6	B	
SUB-00018-WER-572-A	QA/QC Submittal Register Monthly Update – October, 2014	Contractor's manual, 4.1-construction submittals (3)- Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	November 9, 2014		December 9, 2014	November 16, 2014	7	B	
SUB-00018-WER-573-A	Electrical Junction Box	Section 16140-Paragraph: 2.4	PD	CONS	SUB	WER			A		November 9, 2014	November 10, 2014		December 10, 2014	November 17, 2014	7	B	
SUB-00018-WER-574-A	Monthly Safety Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	A	
SUB-00018-WER-575-A	Monthly Risk Management Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	B	
SUB-00018-WER-576-A	Monthly Environmental Plan Update and Mitigation Plan Update-October 2014	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	B	
SUB-00018-SNW-577-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Under EMR Foundation - Encasement of 10" Washout Pipe	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 10, 2014		December 10, 2014	November 12, 2014	2	A	
SUB-00018-WER-578-A	Surge Control Bladder Tanks	Section: 13206	PD	CONS	SUB	WER			A		From main contractor directly	November 10, 2014		December 10, 2014				Pending
SUB-00018-SNW-579-A	Test Report on Concrete Compressive Strength at 7 and 28 Days of Age – B.T Pits and Pump Suction Header Wall	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 11, 2014		December 11, 2014	November 12, 2014	1	A	
SUB-00018-WER-580-A	Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2	PD	CONS	SUB	WER			A		November 5, 2014	November 11, 2014		December 11, 2014	November 19, 2014	8	D	
SUB-00018-WER-581-A	Electric Drum Transfer Pump	Section: 11259- Paragraphs: 2.2 & 2.4	PD	CONS	SUB	WER			A		October 30, 2014	November 11, 2014		December 11, 2014				Pending
SUB-00018-WER-582-A	Control and Instrumentation Cables-Alternative	Section: 01620-Paragraphs: 2.2 B & C	PD	CONS	SUB	WER			A		November 4, 2014	November 11, 2014		December 11, 2014	November 23, 2014	12	C	

Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-583-A	PVC Electrical Conduits and Fittings - Alternative	Section: 01300 & 16110-Paragraphs: 1.8B & 2.3D-1	PD	CONS	SUB	WER			A		November 5, 2014	November 11, 2014		December 11, 2014	November 17, 2014	6	A	
SUB-00018-WER-584-A	Wall Mounted Toilet Exhaust Fans, Direct Drive In Living Quarters	Section: 15830 - Paragraph: 2.3	PD	CONS	SUB	WER			A		November 10, 2014	November 11, 2014		December 11, 2014				Retracted
SUB-00018-WER-585-A	Sonic Level Measurement	Section: 17106- Paragraph: 2.1	PD	CONS	SUB	WER			A		November 6, 2014	November 13, 2014		December 13, 2014	November 23, 2014	10	C	
SUB-00018-SNW-586-A	Soil Confirmation Report for Chlorination Room – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-SNW-587-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur B.T Wall / Section C	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-ARW-588-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section C	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-SNW-589-A	Test Report on Concrete Compressive Strength at 7 Days of Age – S.O.G for Living Quarter	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 13, 2014		December 13, 2014	November 16, 2014	3	A	
SUB-00018-WER-590-A	CWI and Welder Qualification - Alternative	02570- Paragraph 3.3 E-1	AD	CONS	SUB	WER			A		From main contractor directly	November 13, 2014		December 13, 2014	November 17, 2014	4	A	
SUB-00018-ARW-591-A	Arraba Existing Pipe Line to Existing Reservoir Shop Drawings	Section: 15000	SD	CONS	SUB	ARW			A		November 13, 2014	November 17, 2014		December 17, 2014	November 25, 2014	8	C	
SUB-00018-ARW-592-A	Modified Safety Plan For Working At Night	Contractor's Manual -Sec.4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	ARW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 24, 2014	7	C	
SUB-00018-SNW-593-A	Modified Safety Plan For Working At Night	Contractor's Manual -Sec.4.1/12 & Specs.sec.01040, 01520, 01550, 01560, 01640 and 01505	AD	CONS	SUB	SNW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 24, 2014	7	C	
SUB-00018-SNW-594-A	Field Density Compaction Test for Substrata – Chlorination Room Foundation	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 17, 2014		December 17, 2014	November 18, 2014	1	A	
SUB-00018-WER-595-A	Plaster Accessories	Section 09200- Paragraph: 1.3B & 2.3A	PD	CONS	SUB	WER			A		November 13, 2014	November 17, 2014		December 17, 2014	November 19, 2014	2	C	
SUB-00018-WER-596-A	Fabricated Steel Elbow 70° Design Calculation	Section: 15000	PD	CONS	SUB	WER			A		November 16, 2014	November 17, 2014		December 17, 2014	November 25, 2014	8	B	
SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	ARW			A		November 17, 2014	November 18, 2014		December 18, 2014				Retracted
SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	ARW			A		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	B	
SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	SNW			A		November 17, 2014	November 18, 2014		December 18, 2014				Retracted
SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	SNW			A		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	B	
SUB-00018-WER-599-A	Visual Inspection Report of Welded Joints of Inlet, Overflow, Equalization and Recirculation Pipes	Section 02570	TR	CONS	Lab Test	WER			A		From main contractor directly	November 18, 2014		December 18, 2014	November 19, 2014	1	C	
SUB-00018-ARW-600-A	Test Report on Concrete Compressive Strength at 28 Days of Age – B.T. Wall / Section A	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-ARW-601-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Wall / Section E2	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-SNW-602-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur Balance Tank Wall / Section A	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-WER-603-A	Plumbing Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER			A		November 16, 2014	November 19, 2014		December 19, 2014	November 23, 2014	4	C	
SUB-00018-SNW-604-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur Balance Tank Wall / Section D	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 20, 2014		December 20, 2014	November 20, 2014	0	A	
SUB-00018-ARW-605-A	Balance Tank Instrumentation System Shop Drawings - Arraba	Section 16110- Paragraph: 1.2 B	SD	CONS	SUB	ARW			A		November 23, 2014	November 23, 2014		December 23, 2014	November 30, 2014	7	B	
SUB-00018-ARW-606-A	Earth Shop Drawings for Electrical Metering Building	Section: 16450 – Paragraph: 1.2 (B)	SD	CONS	SUB	ARW			A		November 24, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-WER-607-A	Mechanical Expansion Joints - Alternative	Sections: 01300 & 15000 - Paragraphs: 1.8B-1E and 2.8A, B, C & E	PD	CONS	SUB	WER			A		November 19, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-SNW-608-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section B	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-609-A	Test Report on Concrete Compressive Strength at 28 Days of Age – L-Q Room Foundation	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-610-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Sanur B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-611-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Footing of the Concrete Fence Wall Between Stations (0+000 & 0+016)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-ARW-612-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	November 25, 2014		December 25, 2014	November 25, 2014	0	A	
SUB-00018-WER-613-A	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER			A		From main contractor directly	November 26, 2014		December 26, 2014	November 26, 2014	0	C	
SUB-00018-WER-613-B	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER			B		From main contractor directly	November 27, 2014		December 27, 2014	November 27, 2014	0	A	
SUB-00018-WER-614-A	Confined Space Safety Plan	Contractor's Manual - Section: 4.1	AD	CONS	SUB	WER			A		From main contractor directly	November 26, 2014		December 26, 2014	November 30, 2014	4	C	
SUB-00018-WER-615-A	Modified Formwork Design Calculations for B.T Elevated Roof Slab	Section 03100- Paragraph: 3.7	AD	CONS	SUB	WER			A		From main contractor directly	November 30, 2014		December 30, 2014				Pending

SNW 22.7 Requests for Information Log

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

NOA: September 25, 2013

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-049	The Engineer's comment on IRD submittals: SUB-13-00018-ARW-396-B; SUB-13-00018-SNW-397-B SUB-13-00018-SNW-398-B and SUB-13-00018-ARW-399-B. "2.7 Motor factory test shall be as IEEE 112, IEEE 143 and NEMA MG-2 specification 16460 Para. 3.2."		SEC.16460 Para. 3.2.	: Program Standard Detail-DWG. GA-6, Detail A-921	November 2, 2014	November 20, 2014	18		The paragraph cited in RFI is true only if other tests are required on the motors; Since IEEE and NEMA MG-1 are the only test required then testing on the supplied motor to IEEE and NEMA MG-2 shall be done and submitted to the Engineer	
RFI-18-WER-C-E-050	Scupper Drain For Buildings		Section-07545		November 9, 2014			Retracted		20-Nov-14
RFI-18-WER-C-E-051	Security Screens for Windows		SEC. 08660-Part-2		November 9, 2014	November 17, 2014	8		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-052	Sill (Finish Carpentry) for Aluminum Windows		Section 08520-Part 2.2	DWG. GA-5, Detail-A-912	November 10, 2014	November 17, 2014	7		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-053	Shifting of new buildings at Arraba well site			DWG. 4C-9, 4C-10	November 10, 2014	November 24, 2014	14		CMC have no objection on Contractor's proposed slight shifting to avoid the overlapping between the new living quarter building and the existing electrical equipment and utility metering equipment with no time/cost impact. Contractor to reflect the proposed changes in the shop drawings.	
RFI-18-WER-C-E-054	Flow Control Valves-Specified flow rate requirements	Arraba BOQ-Items 13.1,13.2, Sanur BOQ-Item 13.1	SEC.15217-PART-2-2.1.B		November 12, 2014	November 26, 2014	14		-	
RFI-18-WER-C-E-055	Tank roof hand rail and external ladder		Section 05500	Program Standard Design Sheets- GS-9 and GS-10.	November 12, 2014	November 17, 2014	5		Initially, we have no objection. However, contractor to provide cost/technical comparison to allow CMC to properly review and provide final response.	
RFI-18-WER-C-E-056	Chlorination Building - Sump Pump	-	Section: 11152 - Paragraph: 2-2.1	Program Standard Design - Sheet CSM-1	November 25, 2014			Pending		

SNW 22.8 Variation Order Request and Variation Order Log

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NTP: October 23, 2013

Task Order:

Task Order: 00018-WER

NOA: September 25, 2013

Projects:

Project 1-ARW Arraba Well Pump Station Rehabilitation & Infrastructure Improvements

Project 2-SNW Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

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

There were no Vos issued during the current reporting period

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-007-A	November 30, 2014		0 Days	\$276,012	, BV Responses on "SUB-00018-ARW-396-B, SUB-00018-SNW-397-B, UB-00018-SNW-398-B and SUB-00018-.ARW-399-B)		RFI#035, SM#006 & 007	VOR included the following: 1- Furnish Vertical Turbine Line Shaft Pumps (VTLSPP) for both Arraba and Sanur Wells as per RFI#35 and SM#006 and SM#007. 2- Furnish Vertical Turbine Pumps (VTP) for both Arraba and Sanur booster stations as per RFI#035.	Pending	

SNW 22.9 Employment Generated Data

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USAID WEST BANK/ GAZA
 INFRASTRUCTURE NEEDS PROGRAM INPII
 CONTRACT NO. AID-294-I-00-12-00003
 TASK ORDER NO. AID-294-TO-13-00018
 Wells Rehabilitation Project-WER
 Temporary 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	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	78	78	204	137	203	700	29	654	46		
Total of FY 2014							4340		182.3634454	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						0	0				
January	2015						0	0				
February	2015						0	0				
March	2015						0	0				
April	2015						0	0				
May	2015						0	0				
June	2015						0	0				
July	2015						0	0				
August	2015						0	0				
September	2015						0	0				
Total of FY 2015							1340		56.31302521			

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

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

DATE	Site Staff Job Days **																								Man-days*				
	Management				Worker/Classification (Hours)										Other					Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other					
	Task Order Manager	Quality Control Manager	Safety & Env. Manager	Project Manager #1, #2, etc ...	Document Control Engineer(F)	Document Control Engineer	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard / Security	Janitor (F)	Janitor	Surveyor						Surveyor Assistant	Welders	Geologist	Rig Supervisor	
November 1, 2014	4	4	4	12	4	4	4	4	8	8	20	8			20	36	4	8	4					3	3	4.5	2.5	6.5	
November 2, 2014	4	4	4	12	4	4	4	4	8	8	48	8	4		64	36	4	8	4	4				3	3	8.5	8	7	
November 3, 2014	4	4	4	12	4	4	4	4	8	8	64	8	4		64	36	4	8	4	4				3	3	10.5	8	7	
November 4, 2014	4	4	4	12	4	4	4	4	8	8	40	8	8		56	36	4	8	4	4				3	3	8	7	7	
November 5, 2014	4	4	4	12	4	4	4	4	8	8	48	8			56	36	4	8	4	4				3	3	8	7	7	
November 6, 2014	4	4	4	12	4	4	4	4	8	8	64	8			80	36	4	8	4					3	3	10	10	6.5	
November 7, 2014															4	36								0	0	0	0.5	4.5	
November 8, 2014	4	4	4	12	4	4	4	4	8	8	64	8	8		48	36	4	8	4	4				3	3	11	6	7	
November 9, 2014	4	4	4	12	4	4	4	4	8	8	56	16	6		64	36	4	8	4					3	3	10.75	8	6.5	
November 10, 2014	4	5	5	12	4	4	4	4	8	8	48	16			56	36	4	8	4				3.25	3	9	7	6.5		
November 11, 2014	4	4	4	12	4	4	4	4	8	8	72	16	4		56	36	4	8	4					3	3	12.5	7	6.5	
November 12, 2014	4	4	4	12	4	4	4	4	8	8	64	16	12		40	36	4	8	4					3	3	12.5	5	6.5	
November 13, 2014	4	4	4	12	4	4	4	4	8	8	56	16	16		56	36	4	8	4					3	3	12	7	6.5	
November 14, 2014											8				2	36									0	0	1	0.25	4.5
November 15, 2014	4	4	4	12	4	4	4	4	8	8	48	16	4		64	36	4	8						3	3	9.5	8	6	
November 16, 2014	4	4	4	12	4	4	4	4	8	8						36	4	8						3	3	1	0	6	
November 17, 2014	4	4	4	12	4	4	4	4	6	6	42	12			42	36	4	8	4					3	2.75	7.5	5.25	6.5	
November 18, 2014	4	4	4	12	4	4	4	4	8	8	56	16			72	36	4	8	4					3	3	10	9	6.5	
November 19, 2014	4	4	4	12	4	4	4	4	8	8	40	16	8		56	36	4	8	4					3	3	9	7	6.5	
November 20, 2014	4	4	4	12	4	4	4	4	8	8	32	16	3		56	36	4	8	4					3	3	7.375	7	6.5	
November 21, 2014		5		5												36								1.25	0	0	0	4.5	
November 22, 2014	4	4	4	12	4	4	4	4	8	8						36	4	8	4					3	3	1	0	6.5	
November 23, 2014	4	4	4	12	4	4	4	4	8	8	32	16			48	36	4	8	4					3	3	7	6	6.5	
November 24, 2014	4	4	4	12	4	4	4	4	8	8	40	16			56	36	4	8	4					3	3	8	7	6.5	
November 25, 2014	4	4	4	12	4	4	4	4	8	8	48	16	2		64	36	4	8	4					3	3	9.25	8	6.5	
November 26, 2014	4	4	4	12	4	4	4	4	8	8						36	4	8	4					3	3	1	0	6.5	
November 27, 2014	4	4	4	12	4	4	4	4	8	8						36	4	8						3	3	1	0	6	
November 28, 2014																36								0	0	0	0	4.5	
November 29, 2014	4	4	4	12	4	4	4	4	8	8	56	16			64	36	4	8	4					3	3	10	8	6.5	
November 30, 2014	4	4	4	12	4	4	4	4	8	8	48	16			72	36	4	8	4					3	3	9	9	6.5	
Total of Month	104	110	105	317	104	104	104	104	206	206	1086	300	79	0	1260	1080	104	208	92	20	0	0	0	80	78	209	158	188	

SNW 22.10 Risk Register Log

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RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies 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 injuries (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 injuries 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	Construction	Fall of personnel during construction of Balance Tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars or any other objects.	Personnel injuries.	Contractor	11th of October, 2014	2	1	2	No	No	Mitigate	Holding TB meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings. Good house-keeping of the site in all times.	IRD	Existing	
5	Contractor	Delay in procurement of big electrical equipment	Procurement of electrical equipment (control and instrumentation) 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	

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