

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



CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01- November 30, 2014

PROJECT I-ARRABA WELL PUMP STATION-ARW

DISCLAIMER:

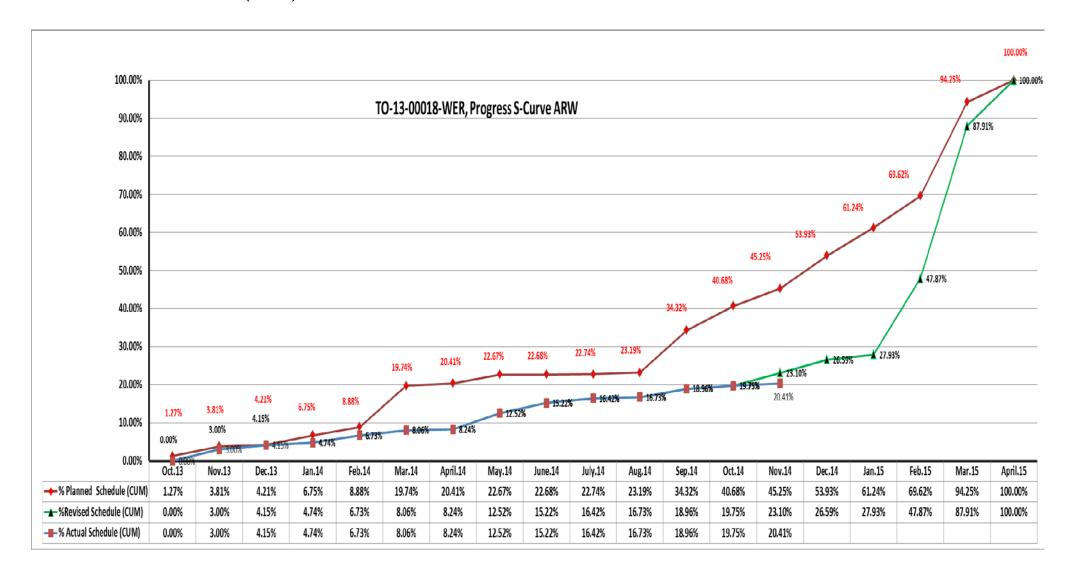


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DISCLAIMER:

1. Arraba Well (ARW) Dashboard Status



DISCLAIMER:

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.

DISCLAIMER:



Safety Photos:



DISCLAIMER:







Equipment movement control by the flagman-ARW

09/11/2014 14:10



Steel scaffold for repair job inside the balance tank-ARW

Assembly point and smoking area signs -ARW

DISCLAIMER:





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

DISCLAIMER:





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

DISCLAIMER:

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

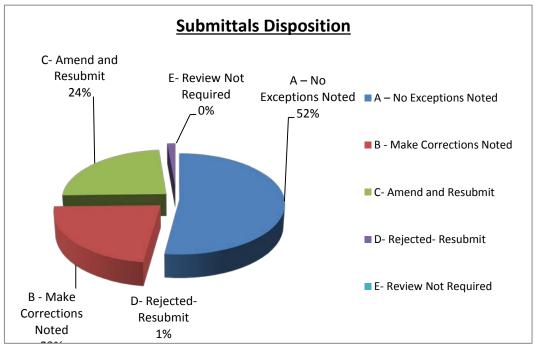


Figure 7.1-WER-Submittals Disposition Analysis

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.

DISCLAIMER:



• 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:

DISCLAIMER:



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

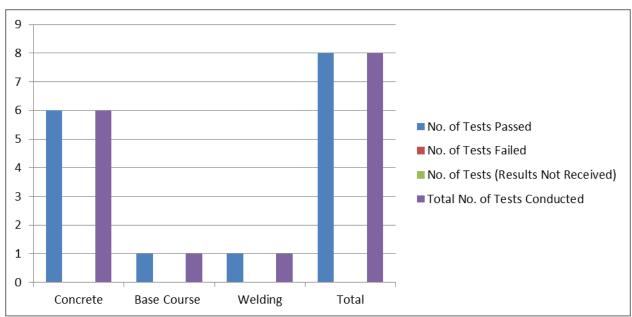


Figure 12.1- ARW QC Analysis Bar Chart

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)

DISCLAIMER:





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

DISCLAIMER:





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.

DISCLAIMER:

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	Payment Previous	Cumulative Submission Appro	CMC Approval	Date Payment				
No.	Period From	Period To	Amount		to date	Date	Date	Received
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.

DISCLAIMER:



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.

DISCLAIMER:

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 m3 per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,793)	(4,252,438)m3/365 day/(269,793 capita) = 0.043 m ³ /capita /day = 43 L/Capita/Day
No. of Beneficiaries	2,880/0.043 = 66,977 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.

DISCLAIMER:



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.

DISCLAIMER:





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).





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).

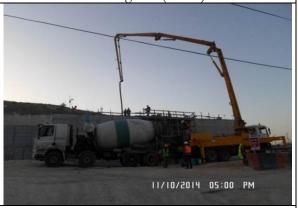


Photo date- 10th of November, 2014: Casting concrete for balance tank wall (Section E2).



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.





Photo date- 12th of November, 2014: Deshuttering 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.





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).





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 deshuttering of formwork for balance tank wall (Section. E1).



Photo Date- 24th of November, 2014: Finish deshuttering 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 refilling.



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.

DISCLAIMER:



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.

DISCLAIMER:



CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01- November 30, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

DISCLAIMER:

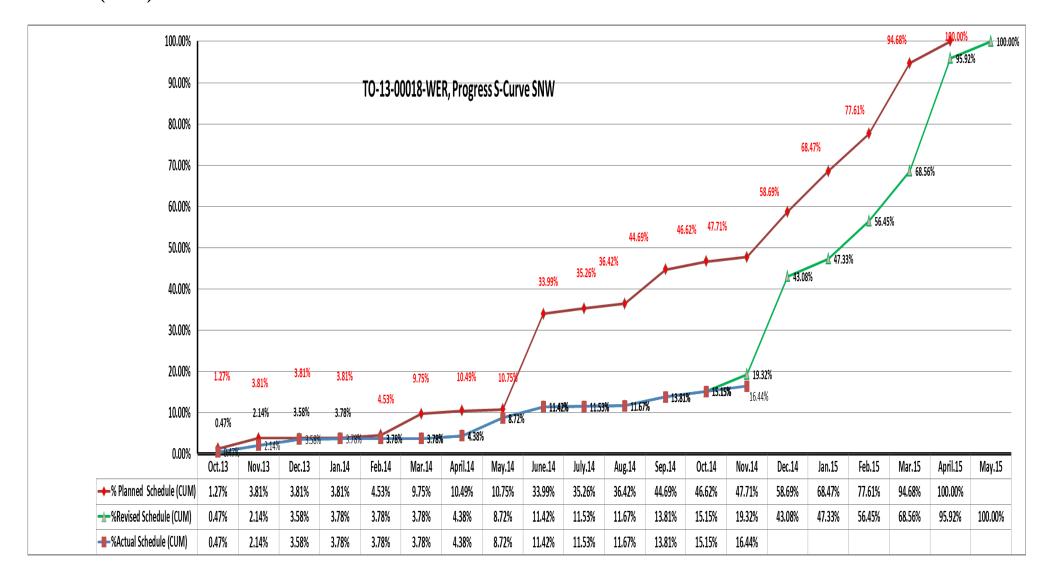


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DISCLAIMER:

1. Sanur Well (SNW) Dashboard Status



DISCLAIMER:



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

DISCLAIMER:



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

DISCLAIMER:







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







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

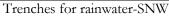






Trenches for rainwater-SNW







Rainwater suction by pump from the excavated rooms- $$\operatorname{SNW}$$





Special PPE while cleaning the steel bars-SNW







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 **DISCLAIMER:**



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

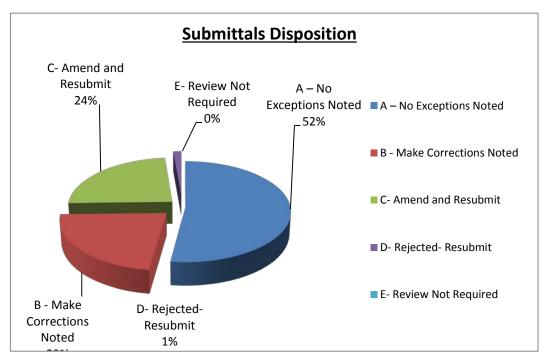


Figure 7.1-WER-Submittals Disposition Analysis

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.

DISCLAIMER:

- 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.

DISCLAIMER:



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

DISCLAIMER:



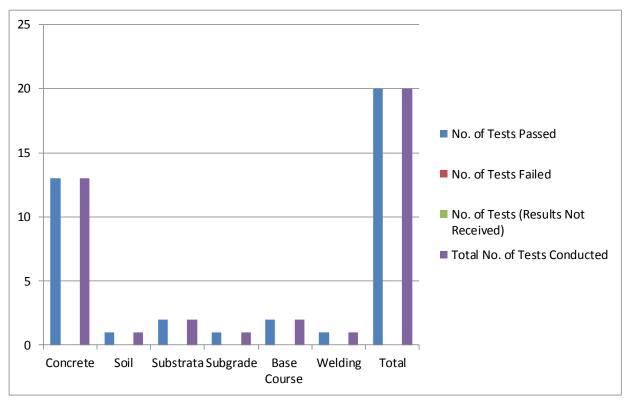
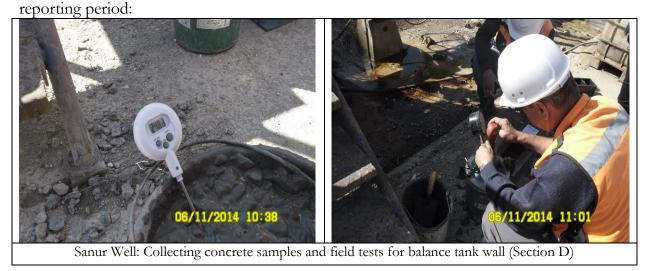


Figure 12.1-SNW QC Analysis Bar Chart

The following pictures show the quality control testing conducted during the current



DISCLAIMER:





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





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		od of ce Quantity	Current Payment	Previous	Cumulative	Payment Submission	CMC Approval	Date Payment
No.	Period From	Period To	Amount	Previous to date	Date	Date	Received	
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.

DISCLAIMER:

International Relief and Development, Inc. (IRD)

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.

DISCLAIMER:

International Relief and Development, Inc. (IRD)

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 m³ per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,7937)	(4,252,438)m3/365 day /(269,793 capita) = 0.043 m³/capita /day = 43 L/Capita/Day
No. of Beneficiaries	3,600/0.043 = 83,721 capita

Table 19.1-SNW-Target Value for Project 2

19.2 Indicator #2: Person days of Employment Generated

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

- Estimated Target Value: 20,208.50 person days;
- Employment generated previously: 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.

DISCLAIMER:



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).

DISCLAIMER:





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.





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.





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.





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.





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.





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.



CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

November 01-November 30, 2014

PROJECT 3-SAADEH WELL REHABILITATION-SDW

DISCLAIMER:



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. 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)	120 cubic meter per hour = 2,880 m³ per day						
(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	(4,252,438)m3/365 day /(285,477 capita) = 0.041 m ³ /capita /day = 41 L/Capita/Day						
No. of Beneficiaries	2,880/0.041 = 70,244 capita						

Table 2.1-SDW-Target Value for Project 3

2.2 Indicator #2: Person days of Employment Generated

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

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

DISCLAIMER:



CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: November 01- November 31, 2014

WELLS REHABILITATION PROJECT-WER



CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period:

November 01- November 30, 2014

PROJECT I-ARABA WELL PUMP STATION-ARW



Attachments

1	A	tta	ch	m	en	te
		111				

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

DISCLAIMER:

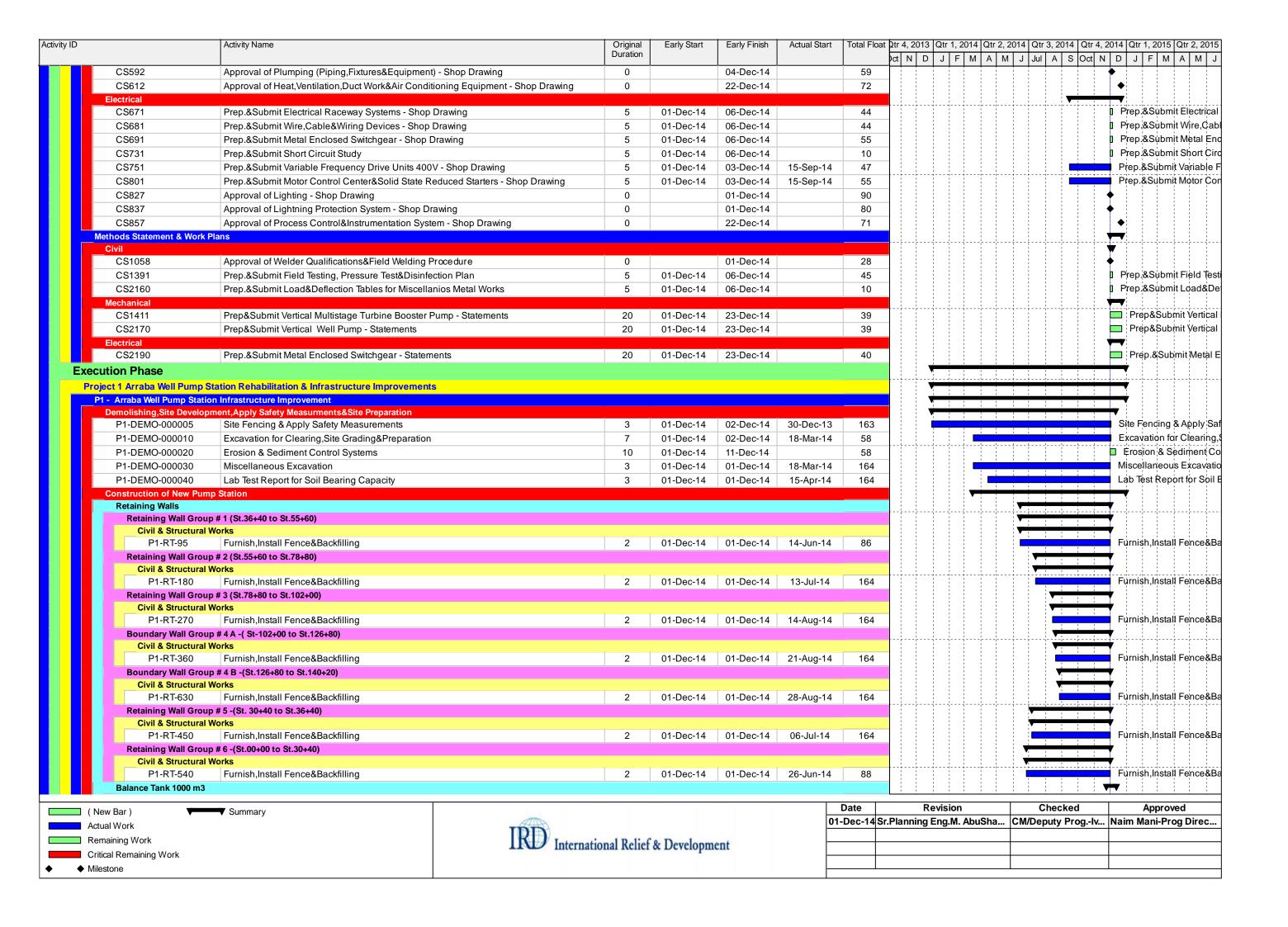


ARW 22.1 Updated Schedule- Roll-up and One Month Look Ahead

DISCLAIMER:

RFTOP WATER-294-13-00018 WELL 01-Dec-14 REHABILITATION IMPROVEMENTS **One Month Lookahead Schedule** Activity ID Activity Name Early Start Total Float Qtr 4, 2013 | Qtr 1, 2014 | Qtr 2, 2014 | Qtr 3, 2014 | Qtr 4, 2014 | Qtr 1, 2015 | Qtr 2, 2015 Actual Start 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** 0 01-Dec-14 MS00068 Completion of Rehabilitation for Sanour Well Pump Station **Submittals Construction Submittals Building Works** ■ Prep &Submit Rough&F CS690 Prep.&Submit Rough&Finish Carpentary - Product Data 01-Dec-14 08-Dec-14 Prep.&Submit Steel Dod CS770 Prep.&Submit Steel Doors & Frames - Product Data & Sample 56 01-Dec-14 08-Dec-14 Prep.&Submit Flush Wo CS780 Prep.&Submit Flush Wood Doors - Sample 01-Dec-14 08-Dec-14 56 ■ Prep &Submit Coiling D CS810 Prep.&Submit Coiling Doors & Grilles - Sample & Product Data 08-Dec-14 55 01-Dec-14 Prepl&Submit Aluminum CS820 Prep.&Submit Aluminum Windows - Sample 37 01-Dec-14 08-Dec-14 40 CS895 Approval of Plastering Accessories - Sample Ω 16-Dec-14 CS910 Prep.&Submit Terrazzo Tiles - Sample & Product Data 08-Dec-14 56 ■ Prep &Submit Terrazzo 01-Dec-14 ■ Prep.&Submit Ceramic CS930 56 Prep.&Submit Ceramic Tiles - Sample & Product Data 01-Dec-14 08-Dec-14 CS992 Approval of Toilet Accessories - Sample & Product Data 0 18-Dec-14 73 Roads Works CS280 Prep.&Submit Asphalt Mix Design - Test Report 01-Dec-14 08-Dec-14 80 ■ Prep &Submit Asphalt M Prep.&Submit MC Prime CS460 Prep.&Submit MC Prime Coat - Data Sheet 01-Dec-14 08-Dec-14 80 ■ Prep &Submit Asphalt C CS470 Prep.&Submit Asphalt Core Test 01-Dec-14 08-Dec-14 80 ■ Prepl&Submit Road Acd CS740 Prep.&Submit Road Accessories - Product Data & Sample 01-Dec-14 08-Dec-14 92 Miscellaneous 08-Dec-14 ■ Prep&Submit Gates - Sa CS486 Prep&Submit Gates - Sample 01-Dec-14 69 Prep &Submit Reinforce CS510 Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates 01-Dec-14 08-Dec-14 24 ■ Prep &Submit External. CS610 Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample 01-Dec-14 08-Dec-14 55 ■ Prep &Submit PVC Men 47 CS700 Prep.&Submit PVC Memprane Roofing - Sample&Product Data 01-Dec-14 08-Dec-14 CS860 Prep.&Submit Finish & Hardware Product - Sample & Product Data 01-Dec-14 08-Dec-14 37 Prep.&Submit Finish & F Prep & Submit Steel Stru CS900 Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data 01-Dec-14 08-Dec-14 8 ■ Prep &Submit Lockers CS970 Prep.&Submit Lockers - Sample & Product Data 01-Dec-14 08-Dec-14 57 ■ Prep &Submit Storage \$ CS975 Prep.&Submit Storage Shelving - Sample 01-Dec-14 08-Dec-14 28 CS997 Approval of Toilet Accessories - Sample & Product Data 0 18-Dec-14 73 Mechanical Local Manufacturer Prep&Submit Copper P 01-Dec-14 06-Dec-14 134 CS341 Prep&Submit Copper Pipes - Product Data Prep&Submit Refrigeran CS351 Prep&Submit Refrigerant Pipes - Product Data 01-Dec-14 06-Dec-14 134 0 165 CS367 Approval of CPVC Pipes - Product Data 01-Dec-14 134 Prep&Submit Pipe,Duct CS481 Prep&Submit Pipe, Duct Work&Equipment Insulation - Product Data 5 01-Dec-14 06-Dec-14 CS577 Approval of Valves (Control, Gate, Butterfly, Check, Ball, Pressure, ,etc) - Product Data/Test Re 0 01-Dec-14 -23 CS587 Approval of Plumping (Piping, Fixtures & Equipment) - Product Data 01-Dec-14 165 CS661 Prep&Submit Heat, Ventilation&Air Conditioning Equipment - Product Data 01-Dec-14 01-Dec-14 24-Aug-14 138 Prep&Submit Heat, Ventil Prep&Submit Chlorination CS677 Prep&Submit Chlorination System Pumps, Tanks, Drums, Injectors, Hose Pips. 60 01-Dec-14 06-Dec-14 58 Prep&Submit Kltchen Ed CS688 Prep&Submit Kltchen Equipment - Product Data 5 01-Dec-14 06-Dec-14 Abroad Manufacturer (Long Lead Items) CS271 Prep&Submit Compressors, Tank-Mounted, Reciprocating 01-Dec-14 01-Dec-14 15-Sep-14 64 Prep&Submit Compress Prep&Submit Horizantal CS291 Prep&Submit Horizantal Louver Blinds - Sample 01-Dec-14 15-Sep-14 4 01-Dec-14 CS307 Approval of Surge Control Bladder Tank - Certification, Product Data&Test report 0 09-Dec-14 30 Prep&Submit Polvethyle CS311 Prep&Submit Polyethylene Tank - Product Data 5 01-Dec-14 15-Sep-14 -25 01-Dec-14 Revision Date Checked Approved (New Bar) Summary 01-Dec-14 Sr.Planning Eng.M. AbuSha... CM/Deputy Prog.-lv... Naim Mani-Prog Direc... Actual Work International Relief & Development Remaining Work Critical Remaining Work ◆ Milestone

		Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float						3, 2014 Qtr 4			
	CS537	Prep&Submt Air Conditioning Units&Accessories	5	01-Dec-14	01-Dec-14	24-Aug-14	138	Oct N	D .	JFI	MIAI	M J Jul	A S Oct			A M t Air Cond
	Electrical												-			
	Abroad Manufacturer (0		04 Dec 44		44						-	7		
	CS1145	Approval of Metal Enclosed Switchgear - Product Data	0	04 Dec 44	01-Dec-14		-11	-						T		
	CS1150	Prep.&Submit Padmounted Transformers - Product Data	5	01-Dec-14	06-Dec-14		-42	-								
	CS1175	Approval of Floatric Meters - Product Data	0		01-Dec-14		-20 -20									
	CS1195 CS1225	Approval of Levy Voltage Meter Control Center - Product Data	0		01-Dec-14 01-Dec-14		-20	-						I		
	CS1223	Approval of Low Voltage Motor Control Center - Product Data Prep.&Submit Local Control Stations and Miscellaneous Electrical Devices - Product Data	5	01-Dec-14	01-Dec-14 01-Dec-14	12-Sep-14	-17	-						Pren	s & Subr	nit Local (
	CS1275	Approval of Process Control Stations and Miscenarieous Electrical Devices - Froduct Data	0	01-060-14	01-Dec-14	12-3ep-14	-13	-						1 10	7.404511	III LODAI V
	CS1275	Approval of Ptocess Control Systems Hardware&Software - Product Data	0		01-Dec-14		-13	-						I		
	CS1295	Approval of In-Line Flow Measuring Systems - Product Data	0		01-Dec-14		-13						-			
	CS1305	Approval of Liquid Flow Detection Devices - Product Data	0		01-Dec-14		-13	-						I		
	CS1305	Approval of Level Measuring System - Product Data&Certificates	0		01-Dec-14		-13	-						I		
	CS1335	Approval of Pressure Measuring System - Product Data&Certificates	0		01-Dec-14		10	-								
	CS1355	Approval of Analyzer Measuring Systems - Product Data&Certificates	0		10-Dec-14		-4	1						•		
	CS1365	Approval of Control Panel Instrumentation - Product Data&Certificates	0		01-Dec-14		-1	 	-}{							
	Local Manufacturer	7 pprovar or control i and inclusion i roddot Batacoctunacio			01 200 14	<u> </u>	'									
	CS1210	Prep.&Submit Panels Boards - Product Data	5	01-Dec-14	06-Dec-14		25							I Pre	p.&Subn	nit Panel
	CS1250	Prep.&Submit Lightning Protection System - Product Data	5	01-Dec-14	06-Dec-14		49							1 1 1	p.&Subn	
Sh	hop Drawings											1 1		 -		
	_Civil												,,,,-	_		
	CS328	Approval of Civil Shop Drawing for Booster Pump Including Steel Structure-Arrabeh	0		24-Dec-14		20							•		
	CS334	Prep&submit Civil Shop Drawing for Chambers&Structural Elemments Detailed Reinforce	5	01-Dec-14	06-Dec-14		40							1 1 1	p&subm	i i
	CS375	Prep&submi Civil Shop Drawing for Booster Pump Including Steel Structure-Sanour	5	01-Dec-14	06-Dec-14		36							I Pre	p&subm	i Civil SI
	CS415	Approval of Civil Shop Drawing for Pads & Slabs	0		18-Dec-14		2	1				ii		•		
	CS430	Prep&submit Trench Section Details Shop Drawing	5	01-Dec-14	06-Dec-14		61								p&subm	1 1
	CS454	Prep&submit Asphalt Arrabeh Entrance Roads Shop Drawing	5	01-Dec-14	06-Dec-14		57								p&subm	1 1
	CS625	Prep.&Submit Civil Shop Drawing for Yard Works-Sanour	5	01-Dec-14	06-Dec-14		19							I Pre	p.&Subn	nit Civil S
	CS640	Pre.&Submit Members&Connections, Anchor Bolts Layout	5	01-Dec-14	06-Dec-14		-3							•		
	CS660	Prep.&Submit Aluminum Hatches & Railing Shop Drawings	5	01-Dec-14	06-Dec-14		25	1								nit Alumii
	CS670	Prep.&Submit Internal&External Ladders Shop Drawings	5	01-Dec-14	06-Dec-14		57							1 .	p.&Subn	1 1
	CS680	Prep.&Submit Rough&Finish Carpentary Shop Drawings	5	01-Dec-14	06-Dec-14		59							1 1	p.&Subn	1 1 -
	CS710	Prep.&Submit PVC Memprane Roofing Shop Drawings	5	01-Dec-14	06-Dec-14		61							I Pre	p.&Subn	nit PVC I
	CS735	Approval of Flashing & Sheet Metal Shop Drawing	0		01-Dec-14		41							•		
	CS750	Prep.&Submit Road Accessories - Shop Drawing	5	01-Dec-14	06-Dec-14		82	1							p.&Subn	_ L L
	CS790	Prep.&Submit Steel Doors & Frames - Shop Drawing	5	01-Dec-14	06-Dec-14		59							1 1	p.&Subn	1 1
	CS800	Prep.&Submit Flush Wood Doors - Shop Drawing	5	01-Dec-14	06-Dec-14		64					1 1		1 1	p.&Subn	1 1
	CS840	Prep.&Submit Aluminum Windows - Shop Drawing	5	01-Dec-14	06-Dec-14		39	1							p.&Subn	i i
	CS880	Prep.&Submit Terrazzo Tiles - Shop Drawing	5	01-Dec-14	06-Dec-14		58								p.&Subn	
	CS920	Prep.&Submit Ceramic Tiles - Shop Drawing	5	01-Dec-14	06-Dec-14		58	1						I Pre	p.&Subn	nit Cerar
	Mechanical		4.0	04.5	11.5		0.5									
	CS340	Prep&submit Mechanical Shop Drawing for Chambers	10	01-Dec-14	11-Dec-14		35	-							ep&subn	1 1
	CS370	Prep&Submit Turbine Booster Pump - Shop Drawing	10	01-Dec-14	11-Dec-14		44	- }							ep&Subr ep&Subr	
	CS381	Prep&Submit Submersible Sump Pump - Shop Drawing	10	01-Dec-14	11-Dec-14		32	-						Pie	μασμοι	int Subii
	CS428	Approval of Sodium Hypochlorite Storage and Feed System - Shop Drawing	0	04 D 44	01-Dec-14		91						<u> </u>	Dro	one Cub.	nit Ubria
	CS441	Prep&Submit Horizantal Louver Blinds - Shop Drawing	10	01-Dec-14	11-Dec-14		49	-						1	ep&Subr	1 1
	CS451	Prep&Submit Surge Control Bladder Tank - Shop Drawing	10	01-Dec-14	11-Dec-14		8	-						PIE	ep&Subr	ini Surge
	CS491	Prep&Submit Steel Pipes, Specials, Fittings&Pipes Supports - Shop Drawing	10	01-Dec-14	11-Dec-14		-8	-						- Dro	ep&Subr	nit Stain
	CS501	Prep&Submit Stainless Steel Pipes - Shop Drawing	10	01-Dec-14	11-Dec-14		56	-						1	ep&Subr	
	CS541 CS551	Prep&Submit PVC Pipes - Shop Drawing Prep&Submit Pipe,Duct Work&Equipment Insulation - Shop Drawing	10	01-Dec-14	11-Dec-14 11-Dec-14		61						-		ep&Subr	
	CS551 CS561	Prep&Submit Pipe,Duct Work&Equipment insulation - Snop Drawing Prep&Submit Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Shop Drawing	10	01-Dec-14 01-Dec-14	11-Dec-14 11-Dec-14		55 -23	-				1 1		PIE	μασμοι	nn Pipe,
	00001	i iepaoubilit vaives (contiol, sate, butterily, check, ball, Flessule,, etc) - Shop brawing	10	01-060-14	11-060-14		-23	<u> </u>		<u> </u>				-		
(Ne	ew Bar)	Summary					Date		Rev	ision		C	hecked		Appro	ved
`	ual Work					01	-Dec-14 S	r.Planr	ning En	g.M. A	buSha	. CM/De	outy ProgIv.	Naim	Mani-Pr	og Dire
	naining Work			Co D 1												
	ical Remaining Work	Internation	onal Kelief	f & Developm	ent											
	ion itomaning WOIR															



	Activity Name	Original Duration	Early Start	Early Finish	Actual Start					tr 4, 2014 Qtr 1, 2015 Qtr 2, tt N D J F M A I
Civil & Structural Work	S					1				
P1-BT-000190	Form/Steel Rebars for Roof Slab	20	01-Dec-14	11-Dec-14	24-Nov-14	2				Form/Steel Rebar
P1-BT-000300	Casting Concrete for Roof Slab & Mechanical Finishin	ng 1	13-Dec-14	13-Dec-14		2				I Casting Concrete
Booster Pump System										
Civil & Structural Work										
P1-BP-000040	Apply Safety Measurement/Excavation Leveling for F		01-Dec-14	01-Dec-14	17-Mar-14	164				Apply Safety Meas
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump	o Slab 2	01-Dec-14	02-Dec-14	20-May-14	11			1 1 1 1	Compacted Basec
P1-BP-000060	Cast Concrete - Blinding	1	02-Dec-14	03-Dec-14		11				Cast Concrete - Bli
P1-BP-000070	Concrete Curing	7	03-Dec-14	11-Dec-14		13				Concrete Curing
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Bu	rrel Encasement 9	03-Dec-14	14-Dec-14		11				■ Form/Steel Reba
Septic & Seepage Tank										
Civil & Structural Work			_							
P1-SS-000040	Excavation for Foundation, Furnishing Leveling & Con		01-Dec-14	02-Dec-14		-9				
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Include	ding 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 WallIs	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	!				<u> </u>					▼
P1-SS-P-00010	Furnish & Install of all Piping Required	4	07-Dec-14	10-Dec-14		58				Furnish & Install o
Electrical & Control Build										→
Civil & Structural Work	-									
P1-CE-000040	Excavation Leveling for Foundation & Compacted Ba	secourse 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 B	Basecourse laver 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 & Instrument										
	Earthing	1	16-Dec-14	16-Dec-14		-26				
Chlorination & Storage B	-									→
Civil & Structural Work										→
P1-CHS-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14		3				Excavation Leveli
P1-CHS-000040	Furnishing, Leveling Subgrade Compacted layers 200	cm 2	02-Dec-14	03-Dec-14		3				Furnishing,Levelir
P1-CHS-000050	Form/Steel Rebars for Foundation	4	04-Dec-14	08-Dec-14		3				■ Form/Steel Rebar
P1-CHS-000060	Cast Concrete	1	10-Dec-14	10-Dec-14		3				I Cast Concrete
P1-CHS-000070	Concrete Curing	7	11-Dec-14	18-Dec-14		3				☐ Concrete Curing
P1-CHS-000080	Form/Steel Rebars for Slab on Grade	3	11-Dec-14	14-Dec-14		4				■ Form/Steel Reba
Electrical & Instrument			1, 2, 2, 1,							
P1-CHS-E-0010	Earthing System	1	09-Dec-14	09-Dec-14		3				I Earthing System
Living Quarters Building			33 2 33 1							
Civil & Structural Work	S									
P1-LQ-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14	29-Nov-14	1				Excavation Levelin
P1-LQ-000040	Compacted Basecourse layer 25cm	3	01-Dec-14	04-Dec-14		1				Compacted Based
P1-LQ-000050	Form/Steel Rebars for Foundation	3	04-Dec-14	08-Dec-14		1				☐ Form/Steel Rebai
P1-LQ-000060	Cast Concrete	1	08-Dec-14	09-Dec-14		1				I Cast Concrete
P1-LQ-000070	Concrete Curing	7	09-Dec-14	17-Dec-14		1				☐ Concrete Curing
P1-LQ-000070	Form/Steel Rebars for Slab on Grade	3	09-Dec-14	13-Dec-14		4				■ Form/Steel Reba
P1-LQ-000080	Cast R.C. for the Slab on Grade	1	13-Dec-14	14-Dec-14		1				I Cast R.C. for the
P1-LQ-000100	Concrete Curing	7	17-Dec-14	25-Dec-14		1				Concrete Curin
F 1-LQ-000100	Condete Culling	1	17-060-14	20-060-14		1	1 1 1	1 1 1 1		a controlete culti
ew Bar)	▼ Summary				l	Date	Revi		Checked	Approved
ual Work					01	-Dec-14 Sr.	Planning En	g.M. AbuSha.	CM/Deputy Prog	lv Naim Mani-Prog Di
emaining Work		IRD International Relie	Co D 1							
tical Remaining Work		International Relie	et & Developm	ent						

)	Activity Name		Original Duration	Early Start	Early Finish	Actual Star	t Total Float					, 2014 Qtr 1, 2015 Qtr 2, 20
P1-LQ-000	110 Form/Steel Rebars for the Walls			14 Das 44	20-Dec-14			pct N D	JF	MAI	VI J Jul A S Oct	N D J F M A M Form/Steel Repars
			5	14-Dec-14			6	1				
P1-LQ-000	120 Cast Reinforced Concrete for the Wallls		1	25-Dec-14	27-Dec-14		1					Cast Reinforced C
P1-LQ-E-0			1	14-Dec-14	15-Dec-14		32					I Earthing
Electrical Meterin			'	14-060-14	13-Dec-14		32	 				▼ ▼
Civil & Structu	-											
P1-EM-000			4	01-Dec-14	04-Dec-14		9					Form/Steel Rebars for
P1-EM-000	060 Cast Concrete		1	06-Dec-14	06-Dec-14		9	1				I Cast Concrete
P1-EM-000	070 Concrete Curing		7	07-Dec-14	14-Dec-14		9	1				■ Concrete Curing
P1-EM-000	-		5	07-Dec-14	11-Dec-14		10		· j j			■ Form/Steel Rebars form
P1-EM-000	090 Cast R.C. for the Slab on Grade		1	13-Dec-14	13-Dec-14		10	1				I Cast R.C. for the Sla
P1-EM-000	100 Concrete Curing		7	15-Dec-14	22-Dec-14		9					■ Concrete Curing
P1-EM-000	110 Form/Steel Rebars for the Walls		5	16-Dec-14	21-Dec-14		10	1				■ Form/Steel Rebars
P1-EM-000	120 Cast Reinforced Concrete for the Wallls		1	23-Dec-14	23-Dec-14		9	1				I Cast Reinforced Co
Electrical & In	strumentation Works			<u>I</u>				· · · · · · · · · · · · · · · · · · ·				
P1-EM-E-0	0010 Earthing&Lightining Protection Pre-Fix		1	01-Dec-14	01-Dec-14		85					Earthing&Lightining P
Pads & Slabs			· ·				'					₩
Civil & Structu	ral Works											₩
P1-PS-010	Excavation Leveling for Foundation, Compacti	ing Subgrade layers	5	20-Dec-14	24-Dec-14		16					Excavation Levelin
P1-PS-020	Form/Steel Rebars for Foundation		3	25-Dec-14	28-Dec-14		16	T				
P1-PS-030	Cast Concrete		1	29-Dec-14	29-Dec-14		16					Cast Concrete
(O&M),Inspection,Cor	missioning,Start Up & Training for P1											
	Manufacturer Technical Manual Submittals (O&M)											
P1-OM-400	Prep&Submit O&M for Vertical Pumps		11	01-Dec-14	13-Dec-14		-24	ļļļ				
P1-OM-420	Prep&Submit Safety&Health Training		10	01-Dec-14	11-Dec-14		56					□ Prep&Submit Safety
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout		12	01-Dec-14	14-Dec-14		-1					
P1-OM-440	Prep&Submit O&M for Duty Motive Pumps		10	14-Dec-14	24-Dec-14		-24					
P1-OM-450	Prep&Submit O&M for Equipment General		10	14-Dec-14	24-Dec-14		-24					
P1-OM-500	Prep&Submit O&M for VFD		10	01-Dec-14	11-Dec-14		30					□ Prep&Submit O&M for
P1-OM-510	Prep&Submit O&M for Medium Voltage VFD		10	01-Dec-14	11-Dec-14		50					■ Prep&Submit O&M fo
P1-OM-530	Prep&Submit for VFD Electrical Test		10	13-Dec-14	23-Dec-14		30					■ Prep&Submit for V
	ımp Stations Rehabilitation & Infrastructure Improve	ements										7
	station Infrastructure Improvement											—
	evelopment, Apply Safety Measurments & Site Preparation			04.5	04.5	00.14	101				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
P2-DEMO-35	Site Fencing & Apply Safety Measurements	•	3	01-Dec-14	01-Dec-14	29-Mar-14						Site Fencing & Apply S
P2-DEMO-40	Excavation for Clearing,Site Grading&Prepara	ation	7	01-Dec-14	02-Dec-14	10-Jul-14		1				Excavation for Clearing Erosion & Sediment
P2-DEMO-50	Erosion & Sediment Control Systems		10	01-Dec-14	11-Dec-14	00 1 1 4 4	155	1 1 1				Miscellaneous Excava
P2-DEMO-70	Miscellaneous Excavation		3	01-Dec-14	02-Dec-14	06-Jul-14						
P2-DEMO-80	Lab Test Report for Soil Bearing Capacity		3	01-Dec-14	03-Dec-14	16-Jul-14	162					Lab Test Report for So
Construction of Ne Balance Tank 10												
Civil & Structu												T
P2-BT-500	Form/Steel Rebars for Roof Slab		20	01-Dec-14	16-Dec-14	25-Nov-1	4 8					Form/Steel Rebars f
P2-BT-590	Casting Concrete for Roof Slab & Mechanical	l Finishina	1	17-Dec-14	17-Dec-14		8	1				Casting Concrete fo
Booster Pump S			<u> </u>	200	200			 				<u></u>
Civil & Structu												
P2-BP-130		ng for Foundation	1	01-Dec-14	01-Dec-14	12-Jul-14	67					Apply Safety Measure
P2-BP-140			2	01-Dec-14	01-Dec-14	24-Aug-1		1				Compacted Basecour
P2-BP-150		<u> </u>	1	01-Dec-14	01-Dec-14	01-Sep-1		1				Cast Concrete - Blindi
P2-BP-160	· ·		7	01-Dec-14	08-Dec-14	01-Sep-1						Concrete Curing, Co
P2-BP-170		Steel Burrel Encasement	9	01-Dec-14	08-Dec-14	09-Sep-14		1				Form/Steel Rebars fo
P2-BP-180	·		1	01-Dec-14	01-Dec-14	14-Sep-14		1				Cast R.C. for the Slab
P2-BP-190			7	01-Dec-14	07-Dec-14	15-Sep-14		1				Concrete Curing&Ba
	& Metal Works		,	01 200 14	07 200 14	10 CCP 1						—
											1 1 1 1 1	1 1 1 1 1
(New Bar)	▼ Summary						Date		evision		Checked	Approved
Actual Work	•						01-Dec-14 Sı	.Planning	Eng.M.	AbuSha	CM/Deputy Proglv.	Naim Mani-Prog Direc
Remaining Work			RD International Relief	Co. D1								
Critical Remaining Work		1	International Kelief	& Developm	ent							
Chilical Remaining Mork												1

	Activity Name	Original	Early Start	Early Finish	Actual Start	Total Floa					Qtr 3, 2014 Qtr 4			
		Duration					ct N	D J	F M	A M J	Jul A S Oct I			
P2-BP-210	Furnish & Install Grating, Plates, embeds, Ladders,etc.	20	07-Dec-14	30-Dec-14		61						Fu Fu	irnish 8	Install
Electrical & Instrum										1 1 1		•		
P2-BP-E-50	Furnish & Installation of Earthing, Ductbanks & Raceway	10	08-Dec-14	20-Dec-14		28						■ Fur	nish & l	nstalla
Septic & Seepage Tank	(
Plumbing Works]]			▼		
P2-SS-P-20	Furnish & Install of all Piping Required	4	07-Dec-14	10-Dec-14		101						1 Furn	ish & In	stall of
Civil & Structural W														
P2-SS-220	Excavation for Foundation, Leveling, Subgrade layers Com	pacted 2	01-Dec-14	02-Dec-14		-4								
P2-SS-230	Form/Steel Rebars for Base Slab & Ring Beam Including V	Vater Stop 2	03-Dec-14	04-Dec-14		-4						1		
P2-SS-240	Cast R.C. for Base Slab & Ring Beam	1	06-Dec-14	06-Dec-14		-4								
P2-SS-250	Concrete Curing	7	07-Dec-14	14-Dec-14		-4						•		
P2-SS-260	Form/Steel Rebars for the Walls	4	07-Dec-14	10-Dec-14		-1						1		
P2-SS-270	Cast Reinforced Concrete for the Wallls	1	15-Dec-14	15-Dec-14		-4			1 1					1 1
P2-SS-280	Concrete Curing	7	16-Dec-14	23-Dec-14		-4								
P2-SS-290	Deshuttering & Curing For Walls	1	24-Dec-14	24-Dec-14		-4	-							
P2-SS-300	Form/Steel Rebars for the Roof Slab	1	25-Dec-14	29-Dec-14		-4								
		4				-4	-					•		
P2-SS-310	Cast Reinforced Concrete for the Roof Slab	1	30-Dec-14	30-Dec-14		-4								
Electrical & Control Bu	<u> </u>													
Civil & Structural W	Excavation Leveling for Foundation & Compacted Baseco	urno Lovor 20om	01-Dec-14	02-Dec-14	22-Oct-14						<u> </u>	Evec	ation L	01/01:-
	9	•			22-Oct-14	-2						EXCAV	/augn L	eveni
P2-CE-270	Form/Steel Rebars for Foundation	4	02-Dec-14	07-Dec-14		-2								
P2-CE-280	Cast Concrete	1	08-Dec-14	09-Dec-14		-2								
P2-CE-290	Concrete Curing	7	09-Dec-14	17-Dec-14		7						■ Cor	crete C	uring
P2-CE-300	Form/Steel Rebars for Slab on Grade	10	09-Dec-14	21-Dec-14		-2								
P2-CE-310	Cast R.C. for the Slab on Grade	1	21-Dec-14	22-Dec-14		-2						1		
P2-CE-320	Concrete Curing	7	22-Dec-14	30-Dec-14		3						☐ Co	oncrete	Curin
Electrical & Instrum	entation Works	,		'								▼		
P2-CE-E-110	Earthing	1	07-Dec-14	08-Dec-14		-2						ı		
Chlorination & Storage	Building	<u>'</u>												
Civil & Structural W	orks													
P2-CHS-300	Form/Steel Rebars for Foundation	4	01-Dec-14	04-Dec-14		3						I Form	Steel F	ebars
P2-CHS-310	Cast Concrete	1	07-Dec-14	07-Dec-14		3						l Cast	Concre	te
P2-CHS-320	Concrete Curing	7	08-Dec-14	15-Dec-14		3						■ Con	crete C	uring
P2-CHS-330	Form/Steel Rebars for Slab on Grade	3	08-Dec-14	10-Dec-14		6						I Form	/Steel I	Rebar
P2-CHS-340	Cast R.C. for the Slab on Grade	1	11-Dec-14	11-Dec-14		6						ı Cast	R.C. fc	r the S
P2-CHS-350	Concrete Curing	7	16-Dec-14	23-Dec-14		3							ncrete (- i- i- -
P2-CHS-360	Form/Steel Rebars for the Walls	5	15-Dec-14	20-Dec-14		6	-						m/Stee	
P2-CHS-370	Cast Reinforced Concrete for the Wallls	3		24-Dec-14		3	-						st Rein	1 1
Electrical & Instrum			24-Dec-14	24-Dec-14		3						- I Ca	SUNCIII	OICEC
P2-CHS-E-060	Earthing System	4	06 Doo 14	06 Dec 14		2						Forth	ing Sys	tom
			06-Dec-14	06-Dec-14		3		·}				Laiui	ing Sys	
Living Quarters Buildi	-													
Civil & Structural Wo	Form/Steel Rebars for the Walls	5	01-Dec-14	02-Dec-14	06-Nov-14	21						Form/	Stopl B	hhare
		5			00-1107-14		-				-		Reinfor	1 1
P2-LQ-320	Cast Reinforced Concrete for the Walls	1	02-Dec-14	03-Dec-14		21	_					1 1	i i	i i
P2-LQ-330	Concrete Curing	7	03-Dec-14	11-Dec-14		28		ļļ				□ Con		
P2-LQ-340	Deshuttering & Curing For Walls	3	20-Dec-14	23-Dec-14		21						I De	shutteri	ng & (
Electrical & Instrum												▼		
P2-LQ-E-20	Earthing	1	01-Dec-14	01-Dec-14		46						Earthi	ng	
Electrical Metering Bui														
Civil & Structural W									ļļ				; 	. -
P2-EM-270	Subgrade Piping Including Concrete Encasement	3	01-Dec-14	03-Dec-14		28						1	rade Pi	1 1
P2-EM-280	Form/Steel Rebars for Foundation	4	04-Dec-14	08-Dec-14		28							/Steel I	1 1
P2-EM-290	Cast Concrete	1	09-Dec-14	09-Dec-14		28						I Cast	Concre	te
P2-EM-300	Concrete Curing	7	10-Dec-14	17-Dec-14		28						□ Cor	crete C	uring
								 	· · · · · ·					
lew Bar)	■ Summary					Date		Revis	ion		Checked	<u></u>	Approv	∕ed
tual Work					01-	Dec-14	Sr.Plann	ing Eng	.M. Abu	Sha CM/I	Deputy Proglv.	Naim N	lani-Pr	og Dir
maining Work		(RH)	. D .											
itical Remaining Work		IRD International Relief	& Developm	ent										
	I I													

Activity ID		Activity Name	Original	Early Start	Early Finish	Actual Start Total	Float 2	tr 4, 2	013	Qtr 1, 2014 Qtr 2, 2014 Qtr 3	, 2014 Q	tr 4, 20)14 (Qtr 1, 2	2015	Qtr 2, 2)15
			Duration				þ	t N	D	J F M A M J Jul	A S Oc	t N	D	J F	М	A M	J
	P2-EM-310	Form/Steel Rebars for Slab on Grade	5	10-Dec-14	15-Dec-14	29	9						■F	orm/S	teel R	Rebars	or
	P2-EM-320	Cast R.C. for the Slab on Grade	1	16-Dec-14	16-Dec-14	29	9						ΙC	ast R	C. for	the SI	ıb (
	P2-EM-330	Concrete Curing	7	18-Dec-14	25-Dec-14	28	3							Cancr	ete C	uring	
	P2-EM-340	Form/Steel Rebars for the Walls	5	20-Dec-14	24-Dec-14	29	9						0	Form/	\$teel	Rebar	fo
	P2-EM-350	Cast Reinforced Concrete for the WallIs	2	27-Dec-14	28-Dec-14	28	3						ľ	Cast	Reinfr	orced (on
	Electrical & Instrum	nentation Works										y	7			:	
	P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	04-Dec-14	04-Dec-14	10	5						ı Ea	rthing	&Ligh	ntining	oro!
	Well Systems											₩		-		1	
	Wellhead and Pad ((Structural)										₩	~			1	
	P2-WS-090	Excavation to the Required Depth	3	01-Dec-14	03-Dec-14	-2	2						/	į			
	P2-WS-100	Grading & Compacting Subgrade Layers	5	04-Dec-14	09-Dec-14	-2	2					ſ	•	!		!	
	P2-WS-110	Furnish & Install Subgrade Piping	14	10-Dec-14	25-Dec-14	-2	2										
	O&M),Inspection,Commiss	sioning,Start Up & Training											~				
	Initial Operation & Manu	facturer Technical Manual Submittals (O&M)										₩	~			1	
	P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	01-Dec-14	13-Dec-14	66	6						■ P	rep&S	ubmit	t O&M	or \
	P2-OM-00030	Prep&Submit Safety&Health Training	10	01-Dec-14	11-Dec-14	66	6						Pr	ep&S	ubmit	t Safet	&H
	P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	01-Dec-14	14-Dec-14	86	6						■ P	rep&S	ubmi	t O&M	or
	P2-OM-00050	Prep&Submit O&M for Duty Motive Pumps	10	14-Dec-14	24-Dec-14	77	7							Prep&	Subm	nit O&N	fo
	P2-OM-00060	Prep&Submit O&M for Equipment General	10	14-Dec-14	24-Dec-14	77	7							Prep&	Subm	nit O&N	foi
	P2-OM-00110	Prep&Submit O&M for VFD	10	01-Dec-14	11-Dec-14	-1	0						-	1		1 1 1	
	P2-OM-00140	Prep&Submit for VFD Electrical Test	10	13-Dec-14	23-Dec-14	78	3				1 1			≥rep&	Subm	nit for '	FD



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

RFTOP WATER-294-13-00018 WELL 01-Dec-14 REHABILITATION IMPROVEMENTS Nov.2014 Roll Up Schedule Activity ID Activity Name Original Actual Start Actual Finish NDJFMAMJJASONDJFMAMJ 340 01-Dec-14 23-Oct-13 20-Jun-15 Total 23-Oct-13 RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS 340 01-Dec-14 20-Jun-15 01-Dec-14 20-Jun-15 23-Oct-13 -29 24 24-Oct-13 **Mobilization** 08-Jan-14 Submittals 384 01-Dec-14 20-Jun-15 31-Oct-13 **Pre Construction Submittals** 45 31-Oct-13 31-Mar-14 **Construction Submittals** 01-Dec-14 03-May-15 14-Nov-13 41 Material Submittals 01-Dec-14 | 11-Jan-15 | 06-Jan-14 132 01-Dec-14 25-Mar-15 17-Dec-13 **Shop Drawings** Methods Statement & Work Plans 01-Dec-14 03-May-15 14-Nov-13 0 Post Construction Submittals 20-Jun-15 20-Jun-15 -25 Procurement 01-Dec-14 02-May-15 01-Jul-14 -8 211 01-Dec-14 02-May-15 02-Aug-14 Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well Material Order & Manufacture **Mechanical Equipment** 01-Dec-14 25-Feb-15 02-Aug-14 20 **Electrical Equipment** 01-Dec-14 02-May-15 -39 Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well 01-Dec-14 02-May-15 02-Aug-14 -11 Material Order & Manufacture 01-Dec-14 02-May-15 02-Aug-14 55 **Mechanical Equipment** 01-Dec-14 25-Feb-15 02-Aug-14 **Electrical Equipment** 141 01-Dec-14 02-May-15 -22 Steel Pipes,Fittings&Valves 92 01-Dec-14 25-Mar-15 01-Jul-14 Material Order & Manufacture 01-Dec-14 11-Mar-15 01-Jul-14 All Needed Pipes, Steel Pipes & Fittings 01-Dec-14 17-Feb-15 -12 01-Dec-14 11-Mar-15 **Material Delivary** 18-Feb-15 25-Mar-15 All Needed Pipes, Steel Pipes & Fittings 12 18-Feb-15 03-Mar-15 20 12 11-Mar-15 25-Mar-15 **Execution Phase** 340 01-Dec-14 20-Jun-15 24-Oct-13 0 Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements 01-Dec-14 07-Jun-15 24-Oct-13 10 Mobilization for P1 24-Oct-13 08-Jan-14 P1 - Arraba Well Pump Station Rehabilitation 63 25-Dec-13 06-Jun-14 14-Mar-14 19-Jun-14 **Design Review After Well Development Results** 151 Geophysical Logging Final Acceptance 14-Mar-14 27-May-14 P1 - Arraba Well Pump Station Infrastructure Improvemen 344 30-Dec-13 Demolishing, Site Development, Apply Safety Measurments & Site Preparation 210 11-Dec-14 30-Dec-13 155 01-Dec-14 **Construction of New Pump Station** 01-Dec-14 26-May-15 17-Mar-14 21 **Retaining Walls** 01-Dec-14 01-Dec-14 23-Apr-14 164 Balance Tank 1000 m3 01-Dec-14 07-Apr-15 16-Jul-14 -1 Civil & Structural Works 214 01-Dec-14 26-Feb-15 16-Jul-14 **Finishing Works** 19-Jan-15 28-Mar-15 Metal Fabricated Works 23-Mar-15 28-Mar-15 Mechanical Works 04-Mar-15 04-Apr-15 **Electrical & Instrumentation Works** 146 01-Feb-15 04-Apr-15 09-Sep-14 **Test Water Tightness For Reservoir** 05-Apr-15 07-Apr-15 04-May-15 17-Mar-14 40 **Booster Pump System** 01-Dec-14 23-Feb-15 17-Mar-14 Civil & Structural Works 113 01-Dec-14 100 Steel Structure & Metal Works 18-Feb-15 11-Apr-15 -24 **Mechanical Works** 10-Jan-15 03-May-15 -13 **Electrical & Instrumentation Works** 01-Feb-15 04-May-15 -24 **Coatings & Finishing Works** 08-Apr-15 23-Apr-15 Septic & Seepage Tank 01-Dec-14 02-Mar-15 30 **Civil & Structural Works** 01-Dec-14 02-Mar-15 30 **Plumbing Works** 07-Dec-14 02-Mar-15 20 Revision Checked Approved (New Bar) Summary 01-Dec-14 Sr.Planning Eng.M. AbuSha... | CM/Deputy Prog.-lv... | Naim Mani-Prog Direc.. Actual Work International Relief & Development Remaining Work Critical Remaining Work

Milestone

ity ID	Activity Name	Original	Early Start	Early Finish	Actual Start	Actual Finish Total Floa		Q	Q	Q		Q Q
		Duration					O N D	JFN	И А М J	J A S	ONDJ	F M A M
	Finishing Works	7	18-Feb-15	25-Feb-15		20						₩
	ectrical & Control Building Civil & Structural Works	141	01-Dec-14	23-May-15		-37						
	Finishing Works	80 22	01-Dec-14 14-Mar-15	12-Mar-15 07-Apr-15		-26 -26	-					
_	Mechanical Works	37	14-Mar-15	25-Apr-15		-26	-					
	Electrical & Instrumentation Works	128	16-Dec-14	23-Api-15		-37						
	HVAC-Plumping	10	05-May-15	16-May-15		-34						—
	hlorination & Storage Building	134	01-Dec-14	14-May-15		-33		+				
	Civil & Structural Works	93	01-Dec-14	28-Mar-15		-23						
	Finishing Works	21	29-Mar-15	21-Apr-15		-23						—
	Mechanical Works	83	17-Jan-15	27-Apr-15		-23					 	
	Electrical & Instrumentation Works	127	09-Dec-14	14-May-15		-33					-	
	HVAC-Plumping	5	28-Apr-15	03-May-15		-23						₩
	ving Quarters Building	128	01-Dec-14	07-May-15	29-Nov-14	-3						
	Civil & Structural Works	67	01-Dec-14	25-Feb-15	29-Nov-14	1					1	→
_	Finishing Works	26	25-Feb-15	28-Mar-15		1						
_	Mechanical Works	59	17-Jan-15	30-Mar-15		1						
	Electrical & Instrumentation Works	116	14-Dec-14	07-May-15		-27	-					
	HVAC-Plumping	40	15-Mar-15	30-Apr-15	14 Con 14	3						
	ectrical Metering Building Civil & Structural Works	167 126	01-Dec-14 01-Dec-14	19-Apr-15 02-Mar-15	14-Sep-14 14-Sep-14	-11 9						
	Finishing Works	126	01-Dec-14 03-Mar-15	02-Mar-15 21-Mar-15	14-Sep-14	9						-
	Electrical & Instrumentation Works	107	03-Mar-15 01-Dec-14	13-Apr-15		-11						
	HVAC-Plumping	5	14-Apr-15	19-Apr-15		-11						•
	ads & Slabs	110	20-Dec-14	05-May-15		-25						
	Civil & Structural Works	43	20-Dec-14	16-Feb-15		27					-	▼
	Electrical & Instrumentation Works	94	11-Jan-15	05-May-15		-25					→	
	Mechanical Works	15	17-Feb-15	05-Mar-15		27	-11	+			1	V
W	ell Systems	84	27-Jan-15	07-May-15		-27					▼	
	Wellhead and Pad (Structural)	47	27-Jan-15	25-Mar-15		5					₩ ₩	
	Mechanical	16	22-Mar-15	08-Apr-15		-2						~
	Electrical & Instrumentation Works	5	03-May-15	07-May-15		-27		: : : : +				₩.
Ya	ard Works & Site Electrical Power	67	10-Mar-15	26-May-15		-2						
_	External & Finishing Works	67	10-Mar-15	26-May-15		-9						
_	Mechanical Works	24	18-Mar-15	14-Apr-15		34						
	Electrical & Instrumentation Works	63	10-Mar-15	21-May-15		-5						
	r Control Valve for Mirka Existing Balance Tank & Arraba Inspection,Commissioning,Start Up & Training for P1		18-Mar-15	09-Apr-15		-32		<u> </u>				V
	ilization,Close Out&Handing Over for P1		01-Dec-14 02-Jun-15	01-Jun-15 07-Jun-15		-37						
	Sanur Well Pump Stations Rehabilitation & Infrastructu			20-Jun-15	24-Oct-13	0						
	ation for P2	24	OT DCC 14	20 0011 10	24-Oct-13	08-Jan-14	<u> </u>	•				
	nur Well Pump Station Rehabilitation	122			29-Mar-14	19-Jul-14						
	p Switching Off	1			02-Apr-14	19-Apr-14		+				
	ing-Extraction of Fallen Strainer from Sanur Well	19			24-Apr-14	01-May-14			₩ .			
Deve	elopment	30			03-May-14	15-Jun-14			+	'		
Design	Review After Well Development Results	120			06-Jun-14	14-Jul-14			_			
	nur Well Pump Station Infrastructure Improvement	313	01-Dec-14	28-May-15	29-Mar-14	19						
	olishing,Site Development,Apply Safety Measurments&		01-Dec-14	11-Dec-14	29-Mar-14	155						
	struction of New Pump Station	245	01-Dec-14	28-May-15	06-Jul-14	19						
Ba	alance Tank 1000 m3	239	01-Dec-14	21-May-15	06-Jul-14	-5						
	Civil & Structural Works	175	01-Dec-14	08-Mar-15	06-Jul-14	8	-				<u> </u>	
	Finishing Works Metal Entricated Works	55	31-Jan-15	06-Apr-15		14	-	 		-	-	
	Metal Fabricated Works Mechanical Works		01-Apr-15 04-Mar-15	06-Apr-15 13-Apr-15		14						
	Electrical & Instrumentation Works	173	11-Mar-15	05-May-15	28-Sep-14	-5	-			1		7 7
	Test Water Tightness For Reservoir	173	06-May-15	21-May-15	20-06p-14	-5						
Br.	ooster Pump System	212	01-Dec-14	20-May-15	12-Jul-14	26						-
	Civil & Structural Works	46	01-Dec-14	08-Dec-14	12-Jul-14	158	-	+		- 		
	Steel Structure & Metal Works	67	07-Dec-14	04-Mar-15		34					V	
				-				. ' '				
(New Bar)	▼ Summary					Date Revis		ha G	Chec			roved
Actual Work		TINE			01	I-Dec-14 Sr.Planning Eng	.w. Abusi	na Cl	eputy	ProgIV	Naim Mani-	rog Direc
Remaining V	Vork	International Relie	f & Developm	ent	<u> </u>						1	
Critical Rema	aining Work	international Refie	a Developin	CHL	<u> </u>						1	
					ı	1					1	

	Activity Name	Original	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q			Q	Q	Q
		Duration						O N C	JF	MAN	/ J J	ASC	O N D .	J F M
	Mechanical Works	102	10-Jan-15	13-May-15			-6						▼	
	Electrical & Instrumentation Works	133	08-Dec-14	20-May-15			-12		1 1	. ! !			▼	1 1
	Coatings & Finishing Works	14	01-Apr-15	18-Apr-15			14		.ij	ii				
Se	eptic & Seepage Tank	78	01-Dec-14	10-Mar-15			36							
	Plumbing Works	70	07-Dec-14	07-Mar-15			39		1 1			: ! !		-
	Finishing Works	7	23-Feb-15	02-Mar-15			-4		1 1	: ! !				₩
	Civil & Structural Works	78	01-Dec-14	10-Mar-15			-4			:			- 	
EI	ectrical & Control Building	143	01-Dec-14	27-May-15	22-Oct-14		-21					, '		+ + +
	Civil & Structural Works	73	01-Dec-14	07-Mar-15	22-Oct-14		-2						-	
	Finishing Works	26	07-Mar-15	06-Apr-15			-2			. ! !				_
	Mechanical Works	37	11-Mar-15	23-Apr-15			-2		1 1	: : :	1 1 1			—
	Electrical & Instrumentation Works	139	07-Dec-14	27-May-15			-21		1 1			:	· ·	+ +
	HVAC-Plumping	10	05-May-15	16-May-15			-11							
C	hlorination & Storage Building	134	01-Dec-14	14-May-15	09-Nov-14		-10							
	Civil & Structural Works	70	01-Dec-14	01-Mar-15	09-Nov-14		23							
	Finishing Works	21	02-Mar-15	25-Mar-15			23		1 1	. ! !				
	Mechanical Works	60	17-Jan-15	31-Mar-15			23						▼	-
	Electrical & Instrumentation Works	130	06-Dec-14	14-May-15			-10							+ +
	HVAC-Plumping	5	01-Apr-15	06-Apr-15			23		- +		-111-			
	ving Quarters Building	152	01-Dec-14	11-Apr-15	07-Sep-14		21						++++	
	Civil & Structural Works	97	01-Dec-14	03-Feb-15	07-Sep-14		21							→ 📗
	Finishing Works	26	03-Feb-15	08-Mar-15	01 Cop 11		42							
-	Mechanical Works	42	17-Jan-15	10-Mar-15			42							
_	Electrical & Instrumentation Works	96	01-Dec-14	31-Mar-15			28							<u> </u>
_	HVAC-Plumping	40	23-Feb-15	11-Apr-15			21						111	
	ectrical Metering Building	107	01-Dec-14	13-Apr-15	23-Sep-14		17	1 1	1 1	: : :	1 1 1			'
	Civil & Structural Works	75	01-Dec-14	07-Mar-15	23-Sep-14 23-Sep-14		28						1 1	
_	Finishing Works	16	08-Mar-15	25-Mar-15	23-3ep-14		28							
_	Electrical & Instrumentation Works	99	04-Dec-14	07-Apr-15			17							
_	HVAC-Plumping	5	08-Apr-15	13-Apr-15			17			. ! !				
	ads & Slabs	95	21-Jan-15	16-May-15			-11	1 1	1 1		1 1 1		1 1.	
	Civil & Structural Works	39	21-Jan-15 21-Jan-15	11-Mar-15			23						1 1.	<u> </u>
_	Electrical & Instrumentation Works	68	16-Feb-15	05-May-15			-11							*
_	Mechanical Works	56	12-Mar-15	16-May-15			-11							
_	Finishing Works	2					-11							
			06-May-15	07-May-15						. ! !				_ i _ i
VV	/ell Systems Wellhead and Pad (Structural)	140 47	01-Dec-14 01-Dec-14	21-May-15 31-Jan-15			-16							
_		17					72 -16							7
_	Mechanical Floating 8 Instrumentation Works		02-May-15	21-May-15										
V	Electrical & Instrumentation Works	5	02-May-15	07-May-15			-4							
Tá	ard Works, Widening & Upgrading of Existing Main Road Entrance & Site Electrical Power	74	04-Mar-15	28-May-15			-11							
_	External & Finishing Works	73	04-Mar-15	27-May-15			-10			. ! !				
_	Electrical & Instrumentation Works	74	04-Mar-15	28-May-15			-22		1 1					
Flan	Mechanical Works	24	12-Mar-15	08-Apr-15			-22							
	r Control Valve for Jaba Existing Balance Tank&Kafr Rai Existing PS Balance Tank	20	12-Mar-15	04-Apr-15			5					:		
_	Inspection,Commissioning,Start Up & Training	160	01-Dec-14	14-Jun-15			-25							1 1
	al Operation & Manufacturer Technical Manual Submittals (O&M)	123	01-Dec-14	02-May-15			-25						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 1
	roval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	113	14-Jan-15	01-Jun-15			-25							
	ificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	01-Jun-15	08-Jun-15			-25		-					
	ning Phase	11	01-Jun-15	14-Jun-15			-25							
	issioning & Start Up Phase for All System	5	08-Jun-15	14-Jun-15			-25		1 1	:				
_	ilization,Close Out&Handing Over	5	14-Jun-15	20-Jun-15			-25	_	 	<u></u>				
	Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14		V; ;	1 1	-		,		
	adeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14								
	ilization for P3	24			24-Oct-13	09-Jan-14			▼					
	cution	33			01-Dec-13	20-Mar-14		—		~				
Dem	obilization,Close Out&Handing Over for P3	7			11-Mar-14	11-Mar-14			1 1	.▼ :		. ! !		

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



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

International Relief and Development, Inc. (IRD)

ARW 22.2 "S" Curve

DISCLAIMER:



USAID-INFRSTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvement

	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 Improvement

	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

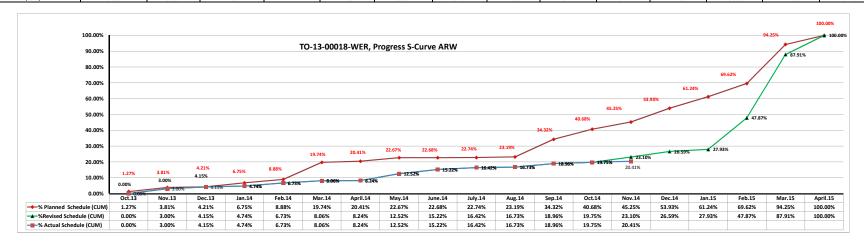
	USD
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date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

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

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	\$6,419,370.07	\$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	\$991,932.60	\$1,070,325.08	\$1,090,503.02	\$1,235,399.06	\$1,287,279.48	\$1,505,479.93	\$1,732,596.90	\$1,820,042.39	\$3,119,848.73	\$5,729,185.00	\$6,516,970.00	\$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	\$42,653.79						
Actual Schedule Value (CUM)	\$30,488.75	\$143,732.69	\$251,142.68	\$308,804.61	\$438,741.75	\$525,282.76	\$536,827.77	\$816,048.29	\$991,932.60	\$1,070,325.08	\$1,090,503.02	\$1,235,399.06	\$1,287,279.48	\$1,329,933.27						
% Planned Schedule	1.27%	2.54%	0.40%	2.54%	2.13%	10.85%	0.67%	2.26%	0.02%	0.06%	0.45%	11.14%	6.35%	4.57%	8.68%	7.30%	8.38%	24.64%	5.75%	100%
% Planned Schedule (CUM)	1.27%	3.81%	4.21%	6.75%	8.88%	19.74%	20.41%	22.67%	22.68%	22.74%	23.19%	34.32%	40.68%	45.25%	53.93%	61.24%	69.62%	94.25%	100.00%	100%
% Revised Schedule	0.00%	3.00%	1.15%	0.88%	1.99%	1.33%	0.18%	4.28%	2.70%	1.20%	0.31%	2.22%	0.80%	3.35%	3.49%	1.34%	19.94%	40.04%	12.09%	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%	1.15%	0.88%	1.99%	1.33%	0.18%	4.28%	2.70%	1.20%	0.31%	2.22%	0.80%	0.65%						
% 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%	20.41%						







USAID-INFRSTRUCTURE 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 Improvement

	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

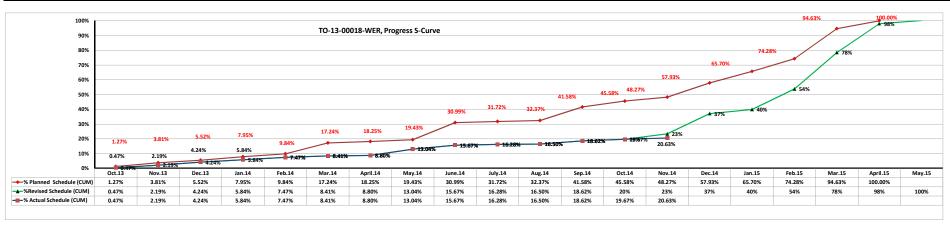
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

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

IRD International Relief & Development

PROGRESS S-CURVE & CASH FLOW SCHEDULE

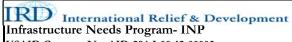
	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	May.15	TOTAL
Planned Schedule Value	\$178,055.32	\$356,110.65	\$239,531.63	\$340,863.76	\$265,630.41	\$1,036,569.88	\$142,064.98	\$165,787.18	\$1,621,107.65	\$101,526.35	\$91,263.33	\$1,291,207.84	\$561,137.67	\$377,098.76	\$1,355,243.65	\$1,089,356.97	\$1,203,071.89	\$2,853,307.27	\$752,921.71		\$14,021,856.90
Planned Schedule Value (CUM)	\$178,055.32	\$534,165.97	\$773,697.60	\$1,114,561.36	\$2,150,197.13	\$2,557,813.97	\$2,770,192.54	\$2,952,502.65	\$3,131,594.56	\$3,442,262.83	\$4,203,487.84	\$5,367,910.89	\$6,057,671.91	\$7,182,846.02	\$11,786,324.99	\$12,656,319.68	\$13,283,860.66	\$13,781,338.08	\$14,021,856.90		\$14,021,856.90
Revised Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$221,497.26	\$226,373.76	\$130,651.66	\$54,691.72	\$589,662.74	\$369,633.73	\$85,724.93	\$30,455.79	\$298,357.10	\$147,409.84	\$516,816.64	\$1,927,687.63	\$391,904.37	\$1,952,450.19	\$3,476,016.65	\$2,745,703.94	\$295,234.73	\$14,050,462.86
Revised Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$811,687.44	\$1,038,061.20	\$1,168,712.86	\$1,223,404.58	\$1,813,067.32	\$2,182,701.05	\$2,268,425.98	\$2,298,881.77	\$2,597,238.87	\$2,744,648.71	\$3,261,465.35	\$5,189,152.98	\$5,581,057.35	\$7,533,507.54	\$11,009,524.19	\$13,755,228.13	\$14,050,462.86	\$14,050,462.86
Actual Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$221,497.26	\$226,373.76	\$130,651.66	\$54,691.72	\$589,662.74	\$369,633.73	\$85,724.93	\$30,455.79	\$298,357.10	\$147,409.84	\$134,893.70							
Actual Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$811,687.44	\$1,038,061.20	\$1,168,712.86	\$1,223,404.58	\$1,813,067.32	\$2,182,701.05	\$2,268,425.98	\$2,298,881.77	\$2,597,238.87	\$2,744,648.71	\$2,879,542.41							
% Planned Schedule	1.27%	2.54%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	11.56%	0.72%	0.65%	9.21%	4.00%	2.69%	9.67%	7.77%	8.58%	20.35%	5.37%		100%
% Planned Schedule (CUM)	1.27%	3.81%	5.52%	7.95%	9.84%	17.24%	18.25%	19.43%	30.99%	31.72%	32.37%	41.58%	45.58%	48.27%	57.93%	65.70%	74.28%	94.63%	100.00%		100%
% Revised Schedule	0.47%	1.70%	2.03%	1.58%	1.61%	0.93%	0.39%	4.20%	2.63%	0.61%	0.22%	2.12%	1%	4%	14%	3%	14%	25%	20%	2%	100%
%Revised Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	8.80%	13.04%	15.67%	16.28%	16.50%	18.62%	20%	23%	37%	40%	54%	78%	98%	100%	100%
% Actual Schedule	0.47%	1.70%	2.03%	1.58%	1.61%	0.93%	0.39%	4.20%	2.63%	0.61%	0.22%	2.12%	1.05%	0.96%							
% Actual Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	8.80%	13.04%	15.67%	16.28%	16.50%	18.62%	19.67%	20.63%							



International Relief and Development, Inc. (IRD)

ARW 22.3 Site Memos Log

DISCLAIMER:



Infrastructure Needs Program- INP USAID Contract No. AID-294-I-00-12-00003 Project: Wells Rehabilitation Project

NOA Date: NTP Date: Current as Date: September 23, 2014 October 25, 2014 December 2, 2014

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

International Relief and Development, Inc. (IRD)

ARW 22.4 Material or Equipment Delivered to Site Log

DISCLAIMER:

IRD International Relief & Development

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 m³	BalanceTank Wall-Section C		
2	November 4, 2014	Single size aggregate	20 m³	Arraba Location		
3	November 5, 2014	Crushed Drain Rock	20m³	Arraba Location		
4	November 6, 2014	Crushed Drain Rock	20m³	Arraba Location		
5	November 7, 2014	Crushed Drain Rock	40m³ Arraba Location			
6	November 8, 2014	Crushed Drain Rock	20m³	Arraba Location		
7	November 9, 2014	Crushed Drain Rock	20m³	Arraba Location		
8		Crushed Drain Rock	20m³	Arraba Location		
9	November 10, 2014	Concrete B350	57m³	BalanceTank Wall-Section E2		
10	November 10, 2014	Thioflix 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 m³	BalanceTank Wall-Section E1		
14	November 24, 2014	Base Course	20 m³	Arraba Well		
15	November 25, 2014	Base Course	25 m³ Arraba Well			

IRD International Relief & Development

Equipment Log

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

Sub-pr	oject	Arraba Well Pump Station Rehabilitation & Infrastructure Improvements								
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle					
1		JCB Back Hole-1993-1			1					
2		Steel Roller			2					
3	November 1, 2014	Mercedes 416 -2002	1	8						
4	110101110011, 2011	Level			1					
5		Total Station			1					
6		Concrete Vibrator			2					
7		JCB Back Hole-1993-1	1	3	2					
9		Steel Roller	1	0	2					
10	November 2, 2014	Mercedes 416 -2002 Level	1	8						
11		Total Station	1	4						
12		Concrete Vibrator	1	3	1					
13		ICB Back Hole-1993-1	1	3	1					
14		Steel Roller	1	,	2					
15		Mercedes 416 -2002	1	8	_					
16	November 3, 2014	Level	1	4						
17		Total Station	1	4						
18		Concrete Vibrator			2					
19		JCB Back Hole-1993-1	1	8						
20		Steel Roller		İ	2					
21	NT 1 4 2014	Mercedes 416 -2002	1	8						
22	November 4, 2014	Level	1	4						
23		Total Station	1	4						
24		Concrete Vibrator			2					
25		JCB Back Hole-1993-1	1	8						
26		Bobcat-Caterpillar	1	6						
27		Steel Roller			2					
28	November 5, 2014	Mercedes 416 -2002	1	8						
29		Level	1	4						
30		Total Station	1	4						
31		Concrete Vibrator			2					
32		JCB Back Hole-1993-1	2	8						
33		Steel Roller			2					
34		Mercedes 416 -2002	1	8						
35	November 6, 2014	Truck	1	8						
36		Level	1	4						
37		Total Station	1	4	2					
38		Concrete Vibrator JCB Back Hole-1993-1	1	0	2					
			1	8	1					
40		Steel Compactor Mercedes 416 -2002	1	8	1					
42	November 7, 2014	Truck	1	8	<u> </u>					
43	11010111001 /, 2014	Level	1	0	1					
44		Total Station			1					
45		Concrete Vibrator			2					
46		JCB Back Hole-1993-1	2	8						
47		Steel Roller			2					
48		Mercedes 416 -2002	1	8						
49	November 8, 2014	Truck	2	8						
50		Level	1	4						
51		Total Station	1	4						
52		Concrete Vibrator			2					
53		JCB Back Hole-1993-1	2	8						
54		Steel Roller			2					
55		Mercedes 416 -2002	1	8						
56	November 9, 2014	Truck	2	8						
57		Level	1	4						
58		Total Station	1	4						
59		Concrete Vibrator			2					
			·							

No.	Date on Site	Description	Quantity	Hours	Quantity
100.	Date on site	Description	in use	Hours	Idle
60		JCB Back Hole-1993-1	2	8	
62		Steel Compactor Mercedes 416 -2002	1	5 8	1
63	November 10, 2014	Truck	2	10	
64	ŕ	Level	1	4	
65		Total Station	1	4	
66		Concrete Vibrator	1	4	1
68		JCB Back Hole-1993-1 Steel Roller	1	8	2
69		Mercedes 416 -2002	1	8	
70	November 11, 2014	Level	1	4	
71		Total Station	1	4	
72		Concrete Vibrator	1	0	2
73 74		JCB Back Hole-1993-1 Steel Roller	1	8	2
75		Mercedes 416 -2002	1	8	2
76	November 12, 2014	Level	1	4	
77		Total Station	1	4	
78		Concrete Vibrator			2
79 80		JCB Back Hole-1993-1 Steel Roller	1	8	2
80		Mercedes 416 -2002	1	8	
82	November 13, 2014	Level	1	4	
83		Total Station	1	4	
84		Concrete Vibrator			2
85		JCB Back Hole-1993-1	1	8	2
86 87		Steel Roller Mercedes 416 -2002			2
88	November 14, 2014	Level			1
89		Total Station			1
90		Concrete Vibrator			2
91		JCB Back Hole-1993-1	1	8	
92		Steel Compactor	1	8	1
93 94	November 15, 2014	Mercedes 416 -2002 Truck	1 1	8	
95	1101011151115, 2011	Level	1	4	
96		Total Station	1	4	
97		Concrete Vibrator			2
98		JCB Back Hole-1993-1			1
99 100	November 16, 2014	Steel Roller Level			1
101	10, 2014	Total Station			1
102		Concrete Vibrator			2
103		JCB Back Hole-1993-1	1	4	
104		Steel Roller			2
105	November 17, 2014	Mercedes 416-2002	1	6	4
106 107		Level Total Station			1
107		Concrete Vibrator			2
109		JCB Back Hole-1993-1	1	4	
110		Steel Roller			2
111	November 18, 2014	Mercedes 416-2002	1	8	
112	,	Level Total Station	1 1	4	
113		Concrete Vibrator	1	4	2
115		JCB Back Hole-1993-1	1	4	1
116		Steel Roller			2
117	November 19, 2014	Mercedes 416-2002	1	8	
118		Level	1	4	
119 120		Total Station Concrete Vibrator	1	4	2
120		JCB Back Hole-1993-1	2	8	4
122		Steel Compactor	1	8	1
123		Mercedes 416-2002	1	8	
124	November 20, 2014	Truck	2	8	
125		Level	1	4	
126 127		Total Station Concrete Vibrator	1	4	2
14/		Concrete vibratol		l	۷

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
128		JCB Back Hole-1993-1	1	8	1
129		Steel Compactor	1	8	1
130		Mitsubishi L200-2007	1	8	
131	November 21, 2014	Truck	2	8	
132		Level			1
133		Total Station			1
134		Concrete Vibrator	1	5	1
135		JCB Back Hole-1993-1			2
136		Steel Roller			2
137	November 22, 2014	Mitsubishi L200-2007	1	8	
138	,	Level			1
139		Total Station			1
140		Concrete Vibrator			2
141		JCB Back Hole-1993-1 Steel Roller			2
143		Mercedes 416-2002	1	8	2
143	November 23, 2014	Level	1	8	1
145		Total Station			1
146		Concrete Vibrator	+		2
147		ICB Back Hole-1993-1	1	2	1
148		Steel Compactor	1		2
149	NI 1 0: 20:	Mercedes 416-2002	1	8	<u> </u>
150	November 24, 2014	Level			1
151		Total Station			1
152		Concrete Vibrator			2
153		JCB Back Hole-1993-1	1	2	1
154		Steel Compactor			2
155	November 25, 2014	Mercedes 416-2002	1	8	
156	156	Level			1
157		Total Station			1
158		Concrete Vibrator			2
159		JCB Back Hole-1993-1			2
160		Steel Compactor			2
161 162	November 26, 2014	Mercedes 416-2002 Level	1	8	4
163		Total Station			1
164		Concrete Vibrator			2
165		ICB Back Hole-1993-1			2
166		Steel Compactor			2
167		Mercedes 416-2002	1	8	-
168	November 27, 2014	Level	1	Ü	1
169		Total Station			1
170		Concrete Vibrator			2
171		JCB Back Hole-1993-1			2
172		Steel Compactor			2
173	November 28, 2014	Level			1
174		Total Station			1
175		Concrete Vibrator			2
176		JCB Back Hole-1993-1	1	8	1
177		Steel Compactor			2
178		Mercedes 416-2002	1	8	
179	November 29, 2014	Tractor	1	8	
180		Level	1	4	
181		Total Station	1		1
182		Concrete Vibrator	<u> </u>		2
183		JCB Back Hole-1993-1	1	8	1
184		Steel Compactor	4	0	2
185	November 20, 2014	Mercedes 416-2002	1	8	
186 187	November 30, 2014	Tractor Level	1 1	8	1
188		Level Total Station	1	4	1
188		Concrete Vibrator			2
197		Concrete vibrator	l .	l .	



ARW 22.5 Inspection Requests Log

DISCLAIMER:



Sponse Index Amend-Resubmit Pending Make Correction Noted

Inspection Requests Log
IRTI/RV
Task Order: AID-294-

AID-294-TO-13-00018

Project: Wells Rehabilitation Project (WER)

Sender/ Recipient	IRD/BV	, , ,				2nd I	nspection	
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 10mm, PVC elbow 90° , DN 32mm, PVC elbow 90° , DN 50mm, PVC MUF DN 90mm , PVC MUF DN 90mm , 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: AII	D-294-T

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

DISCLAIMER:

IRD Inter	rnational Relief &	& Development					er: 00018-WER		Contract No. AID-294-TO-13-00018			
SUBMITTAL REG	ISTER LOG/SCHEDU	ULE				Project 1-ARW A	NTP:	23-Oct				
						Project 2-SNW S	anur Well Pump Station					
						Project 3-SDW Sa	adeh Well Rehabilitation	NOA:	25-Sep			
Submittal Categories			Submittal Classificati	tion	Identifiers:		Resubmittal Alpha Identifier		Submittal Disposition/ Color Coding			
	PD	PRODUCT DATA	PCS	Proconstruction	WER Wells Rehabilitation Project	First Submittal SUB-18-WER-001-A			A - No Exceptions Noted			
	SD	SHOP DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	First RE-Submittal SUB-18-WER-001-B			B - Make Corrections Noted			

MAT	MATERIAL																	
A	"		Б	E	F	G	н		,	K	L	M	N	8	, , , , , , , , , , , , , , , , , , ,	Q	В	,
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	n 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 Engine Response Tir		Remarks
CLID COOLO WITH 407 D	N. P. POOP AP	0.1.000	I.D.	covo	CUID	wan					From main contractor	N 1 5 0044		D 1 5 2044	N. 1. 05 0044	20		
SUB-00018-WER-127-B SUB-00018-ARW-174-B	Non Price BOQ Break Down Balance Tank Instrumentation and Lightning	Section 01311	AD	CONS	SUB	WER			В		directly	November 5, 2014		December 5, 2014	November 25, 2014	20	С	
SUB-00018-ARW-174-B SUB-00018-SNW-310-D	Shop Drawing Shop Drawing "Sanur well" Confirmed Profile	Section 01300-Part-1.8-B	SD SD	CONS	SUB SUB	ARW SNW			B D		October 29, 2014 From main contractor	November 11, 2014 November 13, 2014		December 11, 2014 December 13, 2014	November 19, 2014	3	C A	
SUB-00018-ARW-336-B	Operation and Maintenance Technical Manual (Table of Contents)-Arraba Well Project		PD	CONS	SUB	ARW			В		November 10, 2014	November 23, 2014		December 23, 2014	November 16, 2014	,	A	Pending
SUB-00018-SNW-403-C	Well Project Method Statement for Sanur Fence Wall Construction	Section: 02834, Paragraph: 1.2	AD	CONS	SUB	SNW			С		November 10, 2014	November 11, 2014		December 11, 2014	November 13, 2014	2	A	Penang
SUB-00018-WER-431-B	Concrete Block Masonry Planet Qualification(AL Fara'a Company)	Section 01300	PD	CONS	SUB	WER			В		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	Section 04232 016110-Part 1.2 (B)-Drawing No: LQE-1,LQE-2-Rev.: Sanur	SD	CONS	SD	SNW			В		November 25, 2014	November 25, 2014		December 25, 2014	November 27, 2014	2	В	
SUB-00018-ARW-467-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed	Confirmed Document Section 05100- Paragraph: 1.3B	AD	CONS	SUB	ARW			В		November 25, 2014	November 25, 2014		December 25, 2014	100VCHIDCI 27, 2014	-	Б	
SUB-00018-ARW-478-B	Electrical Metering Building Underground Electrical Conduit Shop	16110- Paragraph 1.2 (B)	SD	CONS	SUB	ARW			В		November 23, 2014	November 24, 2014		December 24, 2014				Pending
SUB-00018-SNW-484-B	Drawing Earthing & Under Ground Conduits Systems Shop Drawings For	16110, Paragraph: 1.2B	SD	CONS	SUB	SNW			В		November 23, 2014	November 24, 2014		December 24, 2014	November 30, 2014	6	B	1 Chang
	Electrical Metering Building		PD		SUB	WER			В					·		1	A	
SUB-00018-WER-524-B SUB-00018-WER-536-B	Multi-Function Valve	Section: 11259- Paragraph: 2.12A	PD	CONS	SUB	WER			В		October 30, 2014	November 11, 2014		December 3, 2014	November 12, 2014	1	R	
SUB-00018-WER-536-B SUB-00018-ARW-543-B	Electric Chemical Feed (Metering) Pumps Mathed Statement for Backfilling behind the Retaining Well ARW	Section: 11259- Paragraph: 211 Section 02200	AD	CONS	SUB	ARW			В		November 2, 2014 From main contractor	November 11, 2014 November 12, 2014		December 11, 2014 December 12, 2014	November 12, 2014	0	A	
SUB-00018-ARW-543-B SUB-00018-SNW-551-A	Method Statement for Backfilling behind the Retaining Wall-ARW Method statement for Sanur Concrete kicker Surface Repair		AD	CONS	SUB	SNW			Δ		directly From main contractor			·	November 12, 2014		Α	
SUB-00018-SNW-551-A SUB-00018-SNW-552-A	^	Section 03700-Paragraph: 1.3-B.1							Λ		directly From main contractor	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
	Field Density Compaction Test for Subgrade – EMR Foundation Field Density Compaction Test for Substrata – Electrical Control Room	Section 02200	TR	CONS	Lab Test	SNW			A		directly From main contractor	November 2, 2014		December 2, 2014	November 4, 2014	2		
SUB-00018-SNW-553-A	Foundation	Section 02200	TR	CONS	Lab Test	SNW			Λ		directly From main contractor	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		directly From main contractor	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		directly From main contractor	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 Test Report on Concrete Compressive Strength at 28 Days of Age – Base	Section 02200	TR	CONS	Lab Test	ARW			A		directly From main contractor	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-557-A	of Sanur B.T. Test Report on Concrete Compressive Strength at 28 Days of Age – B.T.	Section 03300	TR	CONS	Lab Test	SNW			A		directly From main contractor	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-558-A	Wall / Section B Test Report on Concrete Compressive Strength at 7 Days of Age – B.T.	Section 03300	TR	CONS	Lab Test	ARW			A		directly From main contractor	November 2, 2014		December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-559-A	Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW			A		directly From main contractor	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		directly From main contractor	November 2, 2014		December 2, 2014	November 25, 2014	23	С	
SUB-00018-WER-560-B SUB-00018-WER-561-A	Revised Original CPM Construction Schedule CPVC Joint Cleaner & Solvent Cement Material	Contractor's Manual, Sec. 4.1/16,	AD PD	CONS	SUB SUB	WER			В		directly	November 30, 2014 November 3, 2014		December 30, 2014	November 4, 2014	1		Pending
SUB-00018-WER-562-A	Stainless Steel Nuts and Bolts	Section: 15065 -Paragraph: 2.2 A & B	PD	CONS	SUB	WER			A		October 23, 2014 October 22, 2014	November 3, 2014 November 3, 2014		December 3, 2014 December 3, 2014	November 4, 2014	1	C	
SUB-00018-SNW-563-A		Section: 05500 , Paragraph: 2.3-C Section: 02626	SD	CONS	SUB	SNW			A		October 22, 2014 October 30, 2014	November 3, 2014 November 3, 2014		December 3, 2014	November 9, 2014	6	С	
SUB-00018 SNW 563 B	Well Pump Pad Shop Drawings (Structural and Architectural) Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			B		November 16, 2014	November 17, 2014		December 17, 2014	November 9, 2014	0	C	Retracted
SUB-00018-SNW-563-B	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD	CONS	SUB	SNW			В					·	November 20, 2014	1	p	Retracted
SUB-00018-WER-564-A				CONS	SUB						November 19, 2014	November 19, 2014		December 19, 2014	November 20, 2014	9	C	
SUB-00018-WER-564-A SUB-00018-WER-565-A	Electric Heating Drum Containment Pallet and Ramp	Section: 15549 -Paragraph: 2.1 & 2.2	PD PD	CONS	SUB	WER			A		October 27, 2014 October 13, 2014	November 3, 2014 November 3, 2014		December 3, 2014 December 3, 2014	November 12, 2014 November 5, 2014	2	C B	
SUB-00018-WER-565-A SUB-00018-SNW-566-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Wall of	Section: 11259 -Paragraph: 2.3-B & C Section 03300	TR	CONS	Lab Test	SNW			Δ		From main contractor	November 3, 2014 November 3, 2014		December 3, 2014 December 3, 2014	November 5, 2014 November 4, 2014	1	Δ	
SUB-00018-SNW-567-A	Sanur B.T. / Section B Test Report on Concrete Compressive Strength at 7 Days of Age – Living	Section 03300	TR	CONS	Lab Test	SNW			A		directly From main contractor	November 3, 2014 November 3, 2014		December 3, 2014 December 3, 2014	November 4, 2014	1	A	
SUB-00018-SNW-507-A	Quarter Room Foundation Chlorination Room Plumbing Shop Drawings	Section: 15430 Paragraph: 1.2 B	SD	CONS	SUB SUB	WER			A		directly November 3, 2014	November 5, 2014		December 5, 2014	NOVEHIDE1 4, 2014	1	Α	Retracted
SUB-00018-WER-569-A	PVC SCH 80 Pipes and Fittings	Section: 15430- Paragraph: 1.2 B	PD	CONS	SUB	WER			A		November 3, 2014	November 5, 2014		December 5, 2014	November 9, 2014	4	A	Ketaeteu
SUB-00018-WER-509-A	Vibration Transducer	Section: 154:50- Paragraph: 2.2-A Section 16461-Part 2.2 J & Section 17300- Appendix A & B	PD	CONS	SUB	WER			A		. 101-111001 3, 2014	November 6, 2014 November 6, 2014		December 6, 2014	November 9, 2014 November 12, 2014	6	B	
SUB-00018-WER-570-A	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			A		From main contractor	November 9, 2014		December 6, 2014 December 9, 2014	November 12, 2014 November 12, 2014	3	С	
SUB-00018-WER-571-B	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			В		directly From main contractor	November 18, 2014		December 18, 2014	November 24, 2014	6	R	
SUB-00018-WER-572-A	QA/QC Submittal Register Monthly Update – October, 2014	Contractor's manual, 4.1-construction submittals (3)- Paragraph:	AD	CONS	SUB	WER			A		directly From main contractor	November 9, 2014		December 9, 2014	November 16, 2014	7	В	
SUB-00018-WER-573-A	Electrical Junction Box	1.8B Section 16140-Paragraph: 2.4	PD	CONS	SUB	WER			Α		November 9, 2014	November 10, 2014		December 10, 2014	November 17, 2014	7	В	
SUB-00018-WER-574-A	Monthly Safety Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			Α		From main contractor	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			Α		directly From main contractor	November 10, 2014 November 10, 2014		December 10, 2014	November 12, 2014	2	В	
SUB-00018-WER-576-A	Monthly Environmental Plan Update and Mitigation Plan Update- October 2014		AD	CONS	SUB	WER			A		directly From main contractor	November 10, 2014		December 10, 2014	November 12, 2014	2	В	
SUB-00018-SNW-577-A	Test Report on Concrete Compressive Strength at 28 Days of Age –	Section 03300	TR	CONS	Lab Test	SNW			A		directly From main contractor	November 10, 2014		December 10, 2014	November 12, 2014	2	A	
SUB-00018-WER-578-A	Under EMR Foundation - Encasement of 10" Washout Pipe Surge Control Bladder Tanks	Section: 13206	PD	CONS	SUB	WER			A		directly From main contractor	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 –		TR	CONS	Lab Test	SNW			A		directly From main contractor	November 11, 2014		December 11, 2014	November 12, 2014	1	A	1 chang
5UB-00018-5INW-5/9-A	B.T Pits and Pump Suction Header Wall	Section 0.300	1 K	CONS	Lad 1est	SINW	1		Λ		directly	November 11, 2014		December 11, 2014	1NOVEMBER 12, 2014	1	Α	



					Project 2-SNW Sanur Well Pr	ump Station			
					Project 3-SDW Saadeh Well R	tehabilitation		NOA:	25-Sep-1
ies		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier	Submittal Disposition/ C	Color Coding	
PD	PRODUCT DATA	PCS	Preconstruction	WER Wells Rehabilitation Project	First Submittal SUB-18-WER-001-A			A - No Exceptions Noted	
SD	SHOP DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	First RE-Submittal SUB-18-WER-001-B			B - Make Corrections Noted	
AD	ADMINISTRATIVE/OTHER	PSTS	Post construction	SNW : Project 2 Identifier SDW : Project 3 Identifier	Second Resubmittal SUB-18-WER-001-C			C- Amend and Resubmit	
TR	TEST REPORT			SDW : Project 3 Identifier				D- Rejected- Resubmit	
SCH	SCHEDULE							E- Review Not Required	
RPT	REPORT							Submitted Pending Response	
SMP	SAMPLE								
co	COMPLETION & CLOSEOUT								
MAT	MATERIAL								

Marie Mari	MAT	MATERIAL									-						
Processor Proc	Submittal Number	Submittal Description	Specification Number		Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID				Actual Submission Date		Date Returned to IRD			Remarks
Manufacture	SUB-00018-WER-580-A	Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2	PD	CONS	SUB	WER		1		November 5, 2014	November 11, 2014	December 11, 2014	November 19, 2014	8	D	
Procession Pro	SUB-00018-WER-581-A	Electric Drum Transfer Pump	Section: 11259- Paragraphs: 2.2 & 2.4	PD	CONS	SUB	WER		1		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		1		November 4, 2014	November 11, 2014	December 11, 2014	November 23, 2014	12	С	
Management	SUB-00018-WER-583-A	PVC Electrical Conduits and Fittings - Alternative	Section: 01300 & 16110-Paragraphs: 1.8B & 2.3D-1	PD	CONS	SUB	WER				November 5, 2014	November 11, 2014	December 11, 2014	November 17, 2014	6	A	
March 1999 Mar	SUB-00018-WER-584-A	Wall Mounted Toilet Exhaust Fans, Direct-Drive In Living Quarters	Section: 15830- Paragraph: 2.3	PD	CONS	SUB	WER		-		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		1		November 6, 2014	November 13, 2014	December 13, 2014	November 23, 2014	10	С	
March Marc	SUB-00018-SNW-586-A	Soil Confirmation Report for Chlorination Room – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW					November 13, 2014	December 13, 2014	November 16, 2014	3	A	
Processor Proc	SUB-00018-SNW-587-A		Section 03300	TR	CONS	Lab Test	SNW					November 13, 2014	December 13, 2014	November 16, 2014	3	A	
Charles Char	SUB-00018-ARW-588-A		Section 03300	TR	CONS	Lab Test	ARW					November 13, 2014	December 13, 2014	November 16, 2014	3	A	
Column C	SUB-00018-SNW-589-A		Section 03300	TR	CONS	Lab Test	SNW				From main contractor	November 13, 2014	December 13, 2014	November 16, 2014	3	A	
Marie Control Marie Contro	SUB-00018-WER-590-A	CWI and Welder Qualification - Alternative	02570- Paragraph 3.3 E-1	AD	CONS	SUB	WER					November 13, 2014	December 13, 2014	November 17, 2014	4	A	
Ministra Work Male Service (Control Control Contro	SUB-00018-ARW-591-A	Arraba Existing Pipe Line to Existing Reservoir Shop Drawings	Section: 15000	SD	CONS	SUB	ARW				November 13, 2014	November 17, 2014	December 17, 2014	November 25, 2014	8	С	
Mathematical Action	SUB-00018-ARW-592-A	Modified Safety Plan For Working At Night		AD	CONS	SUB	ARW					November 17, 2014	December 17, 2014	November 24, 2014	7	С	
Minimum	SUB-00018-SNW-593-A	Modified Safety Plan For Working At Night		AD	CONS	SUB	SNW					November 17, 2014	December 17, 2014	November 24, 2014	7	С	
Vision 1970 No. 19	SUB-00018-SNW-594-A		Section 02200	TR	CONS	Lab Test	SNW					November 17, 2014	December 17, 2014	November 18, 2014	1	A	
Marie Control Marie Contro	SUB-00018-WER-595-A	Plaster Accessories	Section 09200- Paragraph: 1.3B & 2.3A	PD	CONS	SUB	WER				November 13, 2014	November 17, 2014	December 17, 2014	November 19, 2014	2	С	
SECONDARY COLORS Security S	SUB-00018-WER-596-A	Fabricated Steel Elbow 70° Design Calculation	Section: 15000	PD	CONS	SUB	WER				November 16, 2014	November 17, 2014	December 17, 2014	November 25, 2014	8	В	
Martin Charles Martin Growing State (1997) Martin Charles St	SUB 00018 ARW 597 A	Balance Tank Roof Vent Shop Drawings	Section 15730 Paragraph: 1.2	SD	CONS	SUB	ARW		-		November 17, 2014	November 18, 2014	December 18, 2014				Retracted
\$\(\text{No.0001} \text{NO.0001} \te	SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	ARW				November 20, 2014	November 23, 2014	December 23, 2014	November 23, 2014	0	В	
State Stat	SUB 00018 SNW 598 A	Balance Tank Roof Vent Shop Drawings	Section 15730 Pamgraph: 1.2	SD	CONS	SUB	SNW		-	:	November 17, 2014	November 18, 2014	December 18, 2014				Retracted
Section Section Accordance (Accordance Accordance Acc	SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section 15730- Paragraph: 1.2	SD	CONS	SUB	SNW				November 20, 2014	November 23, 2014	December 23, 2014	November 23, 2014	0	В	
St. Action Company	SUB-00018-WER-599-A		Section 02570	TR	CONS	Lab Test	WER					November 18, 2014	December 18, 2014	November 19, 2014	1	С	
Sch 2007-SNN 401-A	SUB-00018-ARW-600-A		Section 03300	TR	CONS	Lab Test	ARW					November 19, 2014	December 19, 2014	November 20, 2014	1	A	
SIB-0018-NITE (AS A)	SUB-00018-ARW-601-A	Wall / Section E2		TR	CONS	Lab Test	ARW		L			November 19, 2014	December 19, 2014	November 20, 2014	1	A	
St. B.00018-NW-664-A Test Report on Concrete Compressive Strength at 7 Days of Age - Smill St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System Stop Densings - Amount St. B.00018-NW-665-A Binor Tin A businessman System	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					November 19, 2014	December 19, 2014	November 20, 2014	1	A	
St.	SUB-00018-WER-603-A	Plumping Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER		1		November 16, 2014	November 19, 2014	December 19, 2014	November 23, 2014	4	С	
SUB-0018-NRW-06-A Each Stop Drawings for Electrical Matering Bioliting Science (1900 & 1900 - Paragraph: 1261) SUB-0018-NRW-06-A Test Experie or Connecte: Compension's Strength in 28 Days of Age—Strength in 28 Days of Age—Stren	SUB-00018-SNW-604-A		Section 03300	TR	CONS	Lab Test	SNW					November 20, 2014	December 20, 2014	November 20, 2014	0	A	
SUB-00018-NW (468-A)	SUB-00018-ARW-605-A	Balance Tank Instrumentation System Shop Drawings - Arraba	Section 16110- Paragraph: 1.2 B	SD	CONS	SUB	ARW		1		November 23, 2014	November 23, 2014	December 23, 2014	November 30, 2014	7	В	
SUB-0018-SNW-68A- B.T.Wall / Section B B.T.Wall / Section G 3300 TR CONS Lab Test SNW SNW SNW SNW 61A- B.T.Wall / Section G 3300 TR CONS Lab Test SNW SNW SNW 61A- B.T.Wall / Section G 3300 TR CONS Lab Test SNW SNW SNW 61A- B.T.Wall / Section G 3300 Tr CONS Lab Test SNW SNW SNW 61A- B.T.Wall / Section G 3300 Tr CONS Lab Test SNW SNW SNW 61A- B.T.Wall / Section G 3300 Tr CONS Lab Test SNW SNW 61A- B.T.Wall / Section G 33	SUB-00018-ARW-606-A	Earth Shop Drawings for Electrical Metering Building	Section: 16450 – Paragraph: 1.2 (B)	SD	CONS	SUB	ARW		1		November 24, 2014	November 24, 2014	December 24, 2014				Pending
Sub-90018-SNW-609-A Test Report on Concrete Compressive Strength at 22 Days of Age - LQ Sceion 03300 TR CONS Lab Test SNW A From main contractor directly Rovember 25, 2014 December 25, 2014 November 26, 2014 November 27, 2014 November 26,	SUB-00018-WER-607-A		Е	PD	CONS	SUB	WER				November 19, 2014	November 24, 2014	December 24, 2014				Pending
SUB-00018-NNW-610-A Test Report on Concrete Compressive Strength at 7 Days of Age – Samur BUB-00018-NNW-611-A Test Report on Concrete Compressive Strength at 7 Days of Age – Samur BUB-00018-NNW-611-A Test Report on Concrete Compressive Strength at 7 Days of Age – Samur Bub-00018-NNW-611-A Test Report on Concrete Compressive Strength at 7 Days of Age – Samur Bub-00018-NNW-611-A Test Report on Concrete Compressive Strength at 7 Days of Age – Samur Bub-00018-NNW-611-A Test Report on Concrete Compressive Strength at 20 Days of Age – Section 03300 Tr CONS Lab Test SNW A From main contractor directly directly November 25, 2014 December 25, 2014 November 25, 2014 December 26, 2014 November 27, 2014 December 26, 2014 November 27, 2014 December 28, 2014 December	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					November 25, 2014	December 25, 2014	November 25, 2014	0	A	
SUB-00018-SNW-611-A St. Wall / Section 12300 St. Wall / Section 03500 TR CONS Lab Test SNW A directly November 25, 2014 November 26, 2014 November 27, 2014 November 28, 2014 Novemb	SUB-00018-SNW-609-A		Section 03300	TR	CONS	Lab Test	SNW					November 25, 2014	December 25, 2014	November 25, 2014	0	A	
SUB-00018-WER-613-B SUB-00	SUB-00018-SNW-610-A		Section 03300	TR	CONS	Lab Test	SNW					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 SUB-00018-WER-613-B Stainless Steel Welders - Complementary Section 02570 - Paragraph: 1 AD CONS SUB WER B From main contractor directly November 26, 2014 December 27, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 29, 2014 De	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					November 25, 2014	 December 25, 2014	November 25, 2014	0	A	
SUB-00018-WER-613-A Stainess Steel Wedgers - Complementary Section 02570 - Paragraph: 1 AD CONS SUB WER SUB-00018-WER-613-B Stainless Steel Wedgers - Complementary Section 02570 - Paragraph: 1 AD CONS SUB WER B From main contractor directly November 27, 2014 December 27, 2014 December 27, 2014 December 27, 2014 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 December 26, 2014 December 27, 2014 December 26, 2014 December 27, 2014 December 27, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 December 28, 2014 Dec	SUB-00018-ARW-612-A		Section 03300	TR	CONS	Lab Test	ARW					November 25, 2014	 December 25, 2014	November 25, 2014	0	A	
SUB-00018-WER-615-A Confined Space Safety Plan Contractor's Manual - Section (25/01 - Paragraph: 1 AD CONS SUB WER A From main contractor feetly November 21, 2014 December 22, 2014 November 30, 2014 A C SUB-00018-WER-615-A Modified From main contractor Sub-00018-WER-615-A Modified From main cont	SUB-00018-WER-613-A	Stainless Steel Welders - Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER					November 26, 2014	December 26, 2014	November 26, 2014	0	С	
SUB-00018-WER-614-A Contined Space Saterty Plan Contractor's Alanual - Section: 4.1 AD CONS SUB WER A directly November 20, 2014 November 30, 2014 Propose 30,	SUB-00018-WER-613-B	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER		1			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					November 26, 2014	December 26, 2014	November 30, 2014	4	С	
	SUB-00018-WER-615-A	Modified Formwork Design Calculations for B.T Elevated Roof Slab	Section 03100- Paragraph: 3.7	AD	CONS	SUB	WER					November 30, 2014	December 30, 2014				Pending

ARW 22.7 Requests for Information Log

DISCLAIMER:



Task Order: 00018-WER Task Order:

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

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."		SEC16460 Para. 3.2.	: Program Standard Detail- DWG. GA-6, Detail A-921	November 2, 2014	November 20, 2014	18		The paragraph sited 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

DISCLAIMER:

IRD Internatio	onal Relief & Dev	elopment																		
								NTP	October 23, 2013											
Task Order:	Task Order: 000	018-WER						NOA	September 25, 2013											
Projects:	Project 1-ARW A	Arraba Well Pump	Station Rehabilitation & Infrastructure Improven	nents																
	Project 2-SNW S	anur Well Pump S	tation Rehabilitation & Infrastructure Improvement	ents																
vo	Date	Status	Subject	USAID Approval		Original Task Order	mount	I	revious Task Order Am	ount	Re	vised Task Order An	nount	Variation Order Change to Day Work	Project Name	Project ID	Original Contract	Previous VO VO	Time Original nsion Completion D	Revised
				Date	BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total	Change to Day Work	,	,	Duration	ime Extension Exte	sion Completion D	Date Completion I

There were no Vos issued during the current reporting period

IRD	International Relief & Development
10 10 10 10 10 10 10	The state of the s

		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	

VOR Log

						VOR	Log			
						Reference				
VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other	Subject	Status	VO no.
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-00018ARW-399-B)			VOR included the following: 1- Furnish Vertical Turbine Line Shaft Pumps (VTLSP) 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

DISCLAIMER:

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 Day	/s**		Total Job	No of Full Time	Total Job	Total Job	N
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other	Days	Equivalent (FTE) Jobs in the Month*	Days (Males)	Days (Females)	Notes of Comments
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: Sub-project or Activity Name: CONTRACTOR: SUBCONTRACTOR: Well Rehabilitation Project

IRD

Arraba Well Pump Station

SUBCONTRACTOR:		Al-Abb	Dası											Site Sta	aff Job	Days **	k											
										Wor	ker/C	assific	ation (Hours)											Ma	n-days	*	
		Mana	gement				Engine	ers			Skille	l labor		Unskill	ed labor				Ot	her								
DATE	Task Order Manager	Quality Control Manager	Safety & Envi. 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	Welder	Geological	Supervisor	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
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			<u> </u>				<u> </u>				L.,	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 November 10, 2014	4	4 5	4 5	12	4	4	4	4	8 10	8	64 70	8	16 24		64 70	36 36	4	8	4					3.5	3.25	12 14.25	8 8.75	6.5
November 11, 2014	4	4	4	14	4	4	4	4	8	10	48	8	8		48	36	4	8	4					3.3	3.25	9	6.75	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	<u> </u>	<u> </u>	L'			<u> </u>	L'	Ė			- 50	8	8		24	36			<u> </u>					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					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					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 9.25	7	6.5
November 25, 2014 November 26, 2014	4	4	4	12	4	4	4	4	8	8	56	8	2		56	36 36	4	8	4					3	3	9.25	0	6.5
November 26, 2014 November 27, 2014	4	4	4	12	4	4	4	4	8	8	 					36	4	8	4					3	3	1	0	6.5
November 28, 2014	7	-	-7	12	_	_	-	7	0		1	1				36	-7						-	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:

			RISK IDENTIFICATION					RI	ISK ASSESSM	MENT			RISK RESPONSE		MONITO	RING & CONTROLLING
RE	F 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 damagong 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	backfilling behind retaining wall	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	Initial release of an any possible loose materials. All working personnel on moving equipment are instructed to strictly follow flag man directions. Working personnel are instructed to avoid working and moving on wet ground, they should wait until the ground is dry. 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

DISCLAIMER:



Attachments

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

DISCLAIMER:

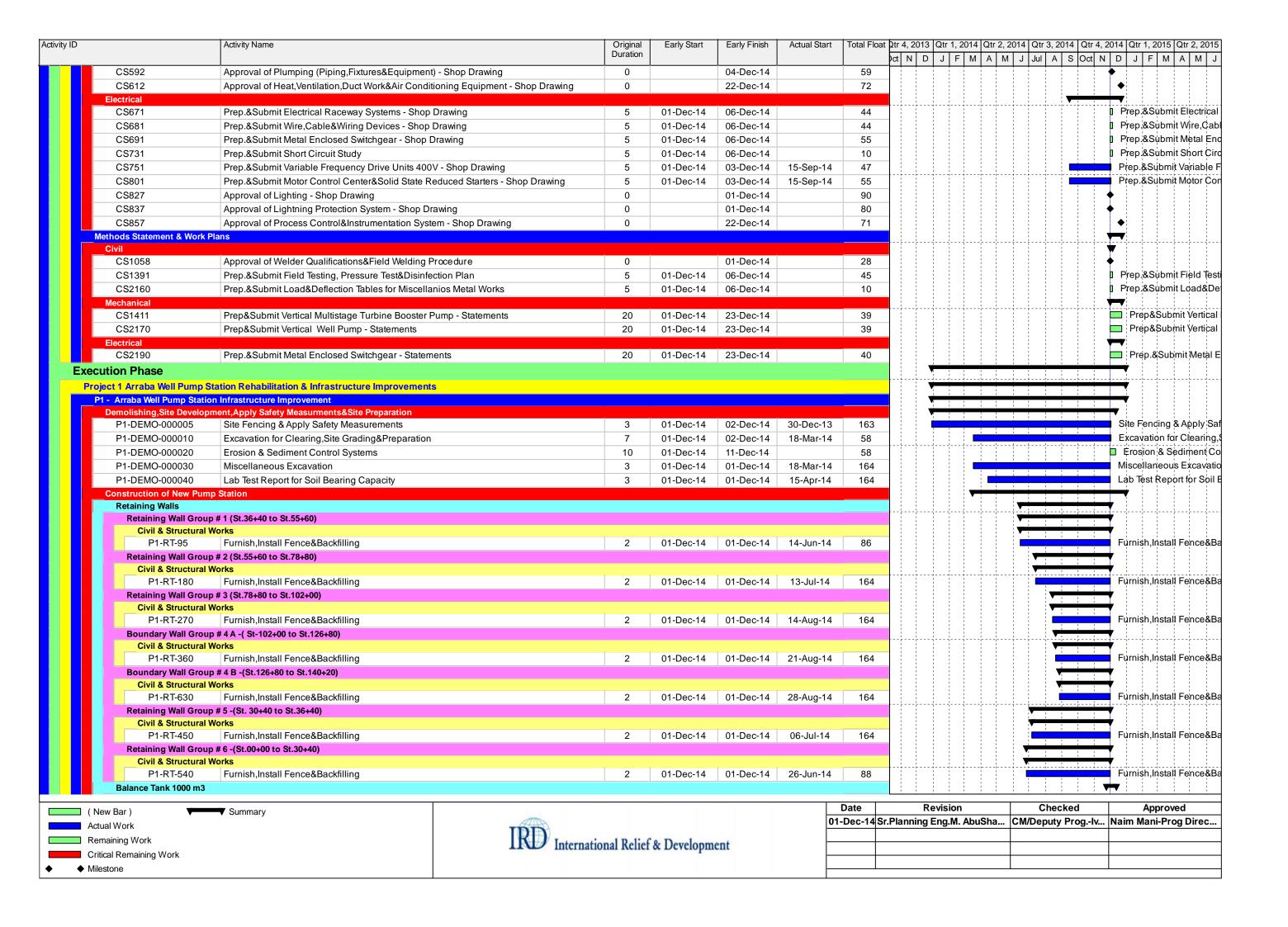


SNW 22.1 Updated Schedule- Roll-up and One Month Look Ahead

DISCLAIMER:

RFTOP WATER-294-13-00018 WELL 01-Dec-14 REHABILITATION IMPROVEMENTS **One Month Lookahead Schedule** Activity ID Activity Name Early Start Total Float Qtr 4, 2013 | Qtr 1, 2014 | Qtr 2, 2014 | Qtr 3, 2014 | Qtr 4, 2014 | Qtr 1, 2015 | Qtr 2, 2015 Actual Start 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** 0 01-Dec-14 MS00068 Completion of Rehabilitation for Sanour Well Pump Station **Submittals Construction Submittals Building Works** ■ Prep &Submit Rough&F CS690 Prep.&Submit Rough&Finish Carpentary - Product Data 01-Dec-14 08-Dec-14 Prep.&Submit Steel Dod CS770 Prep.&Submit Steel Doors & Frames - Product Data & Sample 56 01-Dec-14 08-Dec-14 Prep.&Submit Flush Wo CS780 Prep.&Submit Flush Wood Doors - Sample 01-Dec-14 08-Dec-14 56 ■ Prep &Submit Coiling D CS810 Prep.&Submit Coiling Doors & Grilles - Sample & Product Data 08-Dec-14 55 01-Dec-14 Prepl&Submit Aluminum CS820 Prep.&Submit Aluminum Windows - Sample 37 01-Dec-14 08-Dec-14 40 CS895 Approval of Plastering Accessories - Sample Ω 16-Dec-14 CS910 Prep.&Submit Terrazzo Tiles - Sample & Product Data 08-Dec-14 56 ■ Prep &Submit Terrazzo 01-Dec-14 ■ Prep.&Submit Ceramic CS930 56 Prep.&Submit Ceramic Tiles - Sample & Product Data 01-Dec-14 08-Dec-14 CS992 Approval of Toilet Accessories - Sample & Product Data 0 18-Dec-14 73 Roads Works CS280 Prep.&Submit Asphalt Mix Design - Test Report 01-Dec-14 08-Dec-14 80 ■ Prep &Submit Asphalt M Prep.&Submit MC Prime CS460 Prep.&Submit MC Prime Coat - Data Sheet 01-Dec-14 08-Dec-14 80 ■ Prep &Submit Asphalt C CS470 Prep.&Submit Asphalt Core Test 01-Dec-14 08-Dec-14 80 ■ Prepl&Submit Road Acd CS740 Prep.&Submit Road Accessories - Product Data & Sample 01-Dec-14 08-Dec-14 92 Miscellaneous 08-Dec-14 ■ Prep&Submit Gates - Sa CS486 Prep&Submit Gates - Sample 01-Dec-14 69 Prep &Submit Reinforce CS510 Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates 01-Dec-14 08-Dec-14 24 ■ Prepl&Submit External.I CS610 Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample 01-Dec-14 08-Dec-14 55 ■ Prep &Submit PVC Men 47 CS700 Prep.&Submit PVC Memprane Roofing - Sample&Product Data 01-Dec-14 08-Dec-14 CS860 Prep.&Submit Finish & Hardware Product - Sample & Product Data 01-Dec-14 08-Dec-14 37 Prep.&Submit Finish & F Prep & Submit Steel Stru CS900 Prep.&Submit Steel Structure&Shades Profiles- Samples & Product Data 01-Dec-14 08-Dec-14 8 ■ Prep &Submit Lockers CS970 Prep.&Submit Lockers - Sample & Product Data 01-Dec-14 08-Dec-14 57 ■ Prep &Submit Storage \$ CS975 Prep.&Submit Storage Shelving - Sample 01-Dec-14 08-Dec-14 28 CS997 Approval of Toilet Accessories - Sample & Product Data 0 18-Dec-14 73 Mechanical Local Manufacturer Prep&Submit Copper P 01-Dec-14 06-Dec-14 134 CS341 Prep&Submit Copper Pipes - Product Data Prep&Submit Refrigeran CS351 Prep&Submit Refrigerant Pipes - Product Data 01-Dec-14 06-Dec-14 134 0 165 CS367 Approval of CPVC Pipes - Product Data 01-Dec-14 134 Prep&Submit Pipe,Duct CS481 Prep&Submit Pipe, Duct Work&Equipment Insulation - Product Data 5 01-Dec-14 06-Dec-14 CS577 Approval of Valves (Control, Gate, Butterfly, Check, Ball, Pressure, ,etc) - Product Data/Test Re 0 01-Dec-14 -23 CS587 Approval of Plumping (Piping, Fixtures & Equipment) - Product Data 01-Dec-14 165 CS661 Prep&Submit Heat, Ventilation&Air Conditioning Equipment - Product Data 01-Dec-14 01-Dec-14 24-Aug-14 138 Prep&Submit Heat, Ventil Prep&Submit Chlorination CS677 Prep&Submit Chlorination System Pumps, Tanks, Drums, Injectors, Hose Pips. 60 01-Dec-14 06-Dec-14 58 Prep&Submit Kltchen Ed CS688 Prep&Submit Kltchen Equipment - Product Data 5 01-Dec-14 06-Dec-14 Abroad Manufacturer (Long Lead Items) CS271 Prep&Submit Compressors, Tank-Mounted, Reciprocating 01-Dec-14 01-Dec-14 15-Sep-14 64 Prep&Submit Compress Prep&Submit Horizantal CS291 Prep&Submit Horizantal Louver Blinds - Sample 01-Dec-14 15-Sep-14 4 01-Dec-14 CS307 Approval of Surge Control Bladder Tank - Certification, Product Data&Test report 0 09-Dec-14 30 Prep&Submit Polvethyle CS311 Prep&Submit Polyethylene Tank - Product Data 5 01-Dec-14 15-Sep-14 -25 01-Dec-14 Revision Date Checked Approved (New Bar) Summary 01-Dec-14 Sr.Planning Eng.M. AbuSha... CM/Deputy Prog.-lv... Naim Mani-Prog Direc... Actual Work International Relief & Development Remaining Work Critical Remaining Work ◆ Milestone

		Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Total Float						3, 2014 Qtr 4			
	CS537	Prep&Submt Air Conditioning Units&Accessories	5	01-Dec-14	01-Dec-14	24-Aug-14	138	oct N	D .	JFI	MIAI	M J Jul	A S Oct			A M t Air Cond
	Electrical												-			
	Abroad Manufacturer (0		04 Dec 44		44						-	7		
	CS1145	Approval of Metal Enclosed Switchgear - Product Data	0	04 Dec 44	01-Dec-14		-11	-						T		
	CS1150	Prep.&Submit Padmounted Transformers - Product Data	5	01-Dec-14	06-Dec-14		-42	-								
	CS1175	Approval of Floatric Meters - Product Data	0		01-Dec-14		-20 -20									
	CS1195 CS1225	Approval of Levy Voltage Meter Control Center - Product Data	0		01-Dec-14 01-Dec-14		-20	-						I		
	CS1223	Approval of Low Voltage Motor Control Center - Product Data Prep.&Submit Local Control Stations and Miscellaneous Electrical Devices - Product Data	5	01-Dec-14	01-Dec-14 01-Dec-14	12-Sep-14	-17	-						Pren	s & Subr	nit Local (
	CS1275	Approval of Process Control Stations and Miscenarieous Electrical Devices - Froduct Data	0	01-060-14	01-Dec-14	12-3ep-14	-13	-						1 10	7.404511	III LODAI V
	CS1275	Approval of Ptocess Control Systems Hardware&Software - Product Data	0		01-Dec-14		-13	-						I		
	CS1295	Approval of In-Line Flow Measuring Systems - Product Data	0		01-Dec-14		-13						-			
	CS1305	Approval of Liquid Flow Detection Devices - Product Data	0		01-Dec-14		-13	-						I		
	CS1305	Approval of Level Measuring System - Product Data&Certificates	0		01-Dec-14		-13	-						I		
	CS1335	Approval of Pressure Measuring System - Product Data&Certificates	0		01-Dec-14		10	-								
	CS1355	Approval of Analyzer Measuring Systems - Product Data&Certificates	0		10-Dec-14		-4	1						•		
	CS1365	Approval of Control Panel Instrumentation - Product Data&Certificates	0		01-Dec-14		-1	 	-}{							
	Local Manufacturer	7 pprovar or control i and inclusion i roddot batacocianodico			01 200 14	<u> </u>	'									
	CS1210	Prep.&Submit Panels Boards - Product Data	5	01-Dec-14	06-Dec-14		25							I Pre	p.&Subn	nit Panel
	CS1250	Prep.&Submit Lightning Protection System - Product Data	5	01-Dec-14	06-Dec-14		49							1 1 1	p.&Subn	
Sh	hop Drawings											1 1		 -		
	_Civil												,,,,-	_		
	CS328	Approval of Civil Shop Drawing for Booster Pump Including Steel Structure-Arrabeh	0		24-Dec-14		20							•		
	CS334	Prep&submit Civil Shop Drawing for Chambers&Structural Elemments Detailed Reinforce	5	01-Dec-14	06-Dec-14		40							1 1 1	p&subm	i i
	CS375	Prep&submi Civil Shop Drawing for Booster Pump Including Steel Structure-Sanour	5	01-Dec-14	06-Dec-14		36							I Pre	p&subm	i Civil SI
	CS415	Approval of Civil Shop Drawing for Pads & Slabs	0		18-Dec-14		2	1				ii		•		
	CS430	Prep&submit Trench Section Details Shop Drawing	5	01-Dec-14	06-Dec-14		61								p&subm	1 1
	CS454	Prep&submit Asphalt Arrabeh Entrance Roads Shop Drawing	5	01-Dec-14	06-Dec-14		57								p&subm	1 1
	CS625	Prep.&Submit Civil Shop Drawing for Yard Works-Sanour	5	01-Dec-14	06-Dec-14		19							I Pre	p.&Subn	nit Civil S
	CS640	Pre.&Submit Members&Connections, Anchor Bolts Layout	5	01-Dec-14	06-Dec-14		-3							•		
	CS660	Prep.&Submit Aluminum Hatches & Railing Shop Drawings	5	01-Dec-14	06-Dec-14		25	1								nit Alumii
	CS670	Prep.&Submit Internal&External Ladders Shop Drawings	5	01-Dec-14	06-Dec-14		57							1	p.&Subn	1 1
	CS680	Prep.&Submit Rough&Finish Carpentary Shop Drawings	5	01-Dec-14	06-Dec-14		59							1 1	p.&Subn	1 1 -
	CS710	Prep.&Submit PVC Memprane Roofing Shop Drawings	5	01-Dec-14	06-Dec-14		61							I Pre	p.&Subn	nit PVC I
	CS735	Approval of Flashing & Sheet Metal Shop Drawing	0		01-Dec-14		41							•		
	CS750	Prep.&Submit Road Accessories - Shop Drawing	5	01-Dec-14	06-Dec-14		82	1							p.&Subn	_ L L
	CS790	Prep.&Submit Steel Doors & Frames - Shop Drawing	5	01-Dec-14	06-Dec-14		59							1 1	p.&Subn	1 1
	CS800	Prep.&Submit Flush Wood Doors - Shop Drawing	5	01-Dec-14	06-Dec-14		64					1 1		1 1	p.&Subn	1 1
	CS840	Prep.&Submit Aluminum Windows - Shop Drawing	5	01-Dec-14	06-Dec-14		39	1							p.&Subn	i i
	CS880	Prep.&Submit Terrazzo Tiles - Shop Drawing	5	01-Dec-14	06-Dec-14		58								p.&Subn	
	CS920	Prep.&Submit Ceramic Tiles - Shop Drawing	5	01-Dec-14	06-Dec-14		58	1						I Pre	p.&Subn	nit Cerar
	Mechanical		4.0	04 5 44	11.5		0.5									
	CS340	Prep&submit Mechanical Shop Drawing for Chambers	10	01-Dec-14	11-Dec-14		35	-							ep&subn	1 1
	CS370	Prep&Submit Turbine Booster Pump - Shop Drawing	10	01-Dec-14	11-Dec-14		44	- }							ep&Subr ep&Subr	
	CS381	Prep&Submit Submersible Sump Pump - Shop Drawing	10	01-Dec-14	11-Dec-14		32	-						Pie	μασμοι	int Subii
	CS428	Approval of Sodium Hypochlorite Storage and Feed System - Shop Drawing	0	04 D 44	01-Dec-14		91						<u> </u>	Dro	one Cub.	nit Ubria
	CS441	Prep&Submit Horizantal Louver Blinds - Shop Drawing	10	01-Dec-14	11-Dec-14		49	-						1	ep&Subr	1 1
	CS451	Prep&Submit Surge Control Bladder Tank - Shop Drawing	10	01-Dec-14	11-Dec-14		8	-						PIE	ep&Subr	ini Surge
	CS491	Prep&Submit Steel Pipes, Specials, Fittings&Pipes Supports - Shop Drawing	10	01-Dec-14	11-Dec-14		-8	-						- Dro	ep&Subr	nit Stain
	CS501	Prep&Submit Stainless Steel Pipes - Shop Drawing	10	01-Dec-14	11-Dec-14		56	-						1	ep&Subr	
	CS541 CS551	Prep&Submit PVC Pipes - Shop Drawing Prep&Submit Pipe,Duct Work&Equipment Insulation - Shop Drawing	10	01-Dec-14	11-Dec-14 11-Dec-14		61						-		ep&Subr	
	CS551 CS561	Prep&Submit Pipe,Duct Work&Equipment insulation - Snop Drawing Prep&Submit Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Shop Drawing	10	01-Dec-14 01-Dec-14	11-Dec-14 11-Dec-14		55 -23	-				1 1		PIE	μασμοι	nn Pipe,
	00001	i iepaoubilit vaives (contiol, sate, butterily, check, ball, Flessule,, etc) - Shop brawing	10	01-060-14	11-060-14		-23	<u> </u>		<u> </u>				-		
(Ne	ew Bar)	Summary					Date		Rev	ision		C	hecked		Appro	ved
`	ual Work					01	-Dec-14 S	r.Planr	ning En	g.M. A	buSha	. CM/De	outy ProgIv.	Naim	Mani-Pr	og Dire
	naining Work			Co D 1												
	ical Remaining Work	Internation	onal Kelief	f & Developm	ent											
	ion itomaning WOIR															



	Activity Name	Original Duration	Early Start	Early Finish	Actual Start					tr 4, 2014 Qtr 1, 2015 Qtr 2, tt N D J F M A I
Civil & Structural Work	S					1				
P1-BT-000190	Form/Steel Rebars for Roof Slab	20	01-Dec-14	11-Dec-14	24-Nov-14	2				Form/Steel Rebar
P1-BT-000300	Casting Concrete for Roof Slab & Mechanical Finishin	ng 1	13-Dec-14	13-Dec-14		2				I Casting Concrete
Booster Pump System										
Civil & Structural Work										
P1-BP-000040	Apply Safety Measurement/Excavation Leveling for F		01-Dec-14	01-Dec-14	17-Mar-14	164				Apply Safety Meas
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump	o Slab 2	01-Dec-14	02-Dec-14	20-May-14	11			1 1 1 1	Compacted Basec
P1-BP-000060	Cast Concrete - Blinding	1	02-Dec-14	03-Dec-14		11				Cast Concrete - Bli
P1-BP-000070	Concrete Curing	7	03-Dec-14	11-Dec-14		13				Concrete Curing
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Bu	rrel Encasement 9	03-Dec-14	14-Dec-14		11				■ Form/Steel Reba
Septic & Seepage Tank										
Civil & Structural Work			_							
P1-SS-000040	Excavation for Foundation, Furnishing Leveling & Con		01-Dec-14	02-Dec-14		-9				- - - - -
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Include	ding 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 WallIs	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	!				J.					▼
P1-SS-P-00010	Furnish & Install of all Piping Required	4	07-Dec-14	10-Dec-14		58				Furnish & Install o
Electrical & Control Build										→
Civil & Structural Work	-									
P1-CE-000040	Excavation Leveling for Foundation & Compacted Ba	secourse 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 B	Basecourse laver 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 & Instrument										
	Earthing	1	16-Dec-14	16-Dec-14		-26				
Chlorination & Storage B	-									→
Civil & Structural Work										→
P1-CHS-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14		3				Excavation Leveli
P1-CHS-000040	Furnishing, Leveling Subgrade Compacted layers 200	cm 2	02-Dec-14	03-Dec-14		3				Furnishing,Levelir
P1-CHS-000050	Form/Steel Rebars for Foundation	4	04-Dec-14	08-Dec-14		3				■ Form/Steel Rebar
P1-CHS-000060	Cast Concrete	1	10-Dec-14	10-Dec-14		3				I Cast Concrete
P1-CHS-000070	Concrete Curing	7	11-Dec-14	18-Dec-14		3				☐ Concrete Curing
P1-CHS-000080	Form/Steel Rebars for Slab on Grade	3	11-Dec-14	14-Dec-14		4				■ Form/Steel Reba
Electrical & Instrument			1, 2, 2, 1,							
P1-CHS-E-0010	Earthing System	1	09-Dec-14	09-Dec-14		3				I Earthing System
Living Quarters Building			33 2 33 1							
Civil & Structural Work	S									
P1-LQ-000030	Excavation Leveling for Foundation	1	01-Dec-14	01-Dec-14	29-Nov-14	1				Excavation Levelin
P1-LQ-000040	Compacted Basecourse layer 25cm	3	01-Dec-14	04-Dec-14		1				Compacted Based
P1-LQ-000050	Form/Steel Rebars for Foundation	3	04-Dec-14	08-Dec-14		1				☐ Form/Steel Rebai
P1-LQ-000060	Cast Concrete	1	08-Dec-14	09-Dec-14		1				I Cast Concrete
P1-LQ-000070	Concrete Curing	7	09-Dec-14	17-Dec-14		1				☐ Concrete Curing
P1-LQ-000070	Form/Steel Rebars for Slab on Grade	3	09-Dec-14	13-Dec-14		4				■ Form/Steel Reba
P1-LQ-000080	Cast R.C. for the Slab on Grade	1	13-Dec-14	14-Dec-14		1				I Cast R.C. for the
P1-LQ-000100	Concrete Curing	7	17-Dec-14	25-Dec-14		1				Concrete Curin
F 1-LQ-000100	Condete Culling	1	17-060-14	20-060-14		1	1 1 1	1 1 1 1		a controlete culti
ew Bar)	▼ Summary				l	Date	Revi		Checked	Approved
ual Work					01	-Dec-14 Sr.	Planning En	g.M. AbuSha.	CM/Deputy Prog	lv Naim Mani-Prog Di
emaining Work		IRD International Relie	Co D 1							
tical Remaining Work		International Relie	et & Developm	ent						

)	Activity Name		Original Duration	Early Start	Early Finish	Actual Star	t Total Float					, 2014 Qtr 1, 2015 Qtr 2, 20
P1-LQ-000	110 Form/Steel Rebars for the Walls			14 Das 44	20-Dec-14			pct N D	JF	MAI	VI J Jul A S Oct	N D J F M A M Form/Steel Repars
			5	14-Dec-14			6	-				
P1-LQ-000	120 Cast Reinforced Concrete for the Wallls		1	25-Dec-14	27-Dec-14		1					Cast Reinforced C
P1-LQ-E-0			1	14-Dec-14	15-Dec-14		32					I Earthing
Electrical Meterin			'	14-060-14	13-Dec-14		32	 				▼ ▼
Civil & Structu	-											
P1-EM-000			4	01-Dec-14	04-Dec-14		9					Form/Steel Rebars for
P1-EM-000	060 Cast Concrete		1	06-Dec-14	06-Dec-14		9	1				I Cast Concrete
P1-EM-000	070 Concrete Curing		7	07-Dec-14	14-Dec-14		9	1				■ Concrete Curing
P1-EM-000	-		5	07-Dec-14	11-Dec-14		10		· j j			■ Form/Steel Rebars form
P1-EM-000	090 Cast R.C. for the Slab on Grade		1	13-Dec-14	13-Dec-14		10	1				I Cast R.C. for the Sla
P1-EM-000	100 Concrete Curing		7	15-Dec-14	22-Dec-14		9					■ Concrete Curing
P1-EM-000	110 Form/Steel Rebars for the Walls		5	16-Dec-14	21-Dec-14		10	1				■ Form/Steel Rebars
P1-EM-000	120 Cast Reinforced Concrete for the Wallls		1	23-Dec-14	23-Dec-14		9	1				I Cast Reinforced Co
Electrical & In	strumentation Works			<u>I</u>				· · · · · · · · · · · · · · · · · · ·				
P1-EM-E-0	0010 Earthing&Lightining Protection Pre-Fix		1	01-Dec-14	01-Dec-14		85					Earthing&Lightining P
Pads & Slabs			<u> </u>				'					₩
Civil & Structu	ral Works											₩
P1-PS-010	Excavation Leveling for Foundation, Compacti	ing Subgrade layers	5	20-Dec-14	24-Dec-14		16					Excavation Levelin
P1-PS-020	Form/Steel Rebars for Foundation		3	25-Dec-14	28-Dec-14		16	T				
P1-PS-030	Cast Concrete		1	29-Dec-14	29-Dec-14		16					Cast Concrete
(O&M),Inspection,Cor	missioning,Start Up & Training for P1											
	Manufacturer Technical Manual Submittals (O&M)											
P1-OM-400	Prep&Submit O&M for Vertical Pumps		11	01-Dec-14	13-Dec-14		-24	ļļļ				
P1-OM-420	Prep&Submit Safety&Health Training		10	01-Dec-14	11-Dec-14		56					□ Prep&Submit Safety
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout		12	01-Dec-14	14-Dec-14		-1					
P1-OM-440	Prep&Submit O&M for Duty Motive Pumps		10	14-Dec-14	24-Dec-14		-24					
P1-OM-450	Prep&Submit O&M for Equipment General		10	14-Dec-14	24-Dec-14		-24					
P1-OM-500	Prep&Submit O&M for VFD		10	01-Dec-14	11-Dec-14		30					□ Prep&Submit O&M for
P1-OM-510	Prep&Submit O&M for Medium Voltage VFD		10	01-Dec-14	11-Dec-14		50					■ Prep&Submit O&M fo
P1-OM-530	Prep&Submit for VFD Electrical Test		10	13-Dec-14	23-Dec-14		30					■ Prep&Submit for V
	ımp Stations Rehabilitation & Infrastructure Improve	ements										7
	station Infrastructure Improvement											—
	evelopment, Apply Safety Measurments & Site Preparation			04.5	04.5	00.14	101				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
P2-DEMO-35	Site Fencing & Apply Safety Measurements	•	3	01-Dec-14	01-Dec-14	29-Mar-14						Site Fencing & Apply S
P2-DEMO-40	Excavation for Clearing,Site Grading&Prepara	ation	7	01-Dec-14	02-Dec-14	10-Jul-14		1				Excavation for Clearing Erosion & Sediment
P2-DEMO-50	Erosion & Sediment Control Systems		10	01-Dec-14	11-Dec-14	00 1 1 4 4	155	1 1 1				Miscellaneous Excava
P2-DEMO-70	Miscellaneous Excavation		3	01-Dec-14	02-Dec-14	06-Jul-14						
P2-DEMO-80	Lab Test Report for Soil Bearing Capacity		3	01-Dec-14	03-Dec-14	16-Jul-14	162					Lab Test Report for So
Construction of Ne Balance Tank 10												
Civil & Structu												T
P2-BT-500	Form/Steel Rebars for Roof Slab		20	01-Dec-14	16-Dec-14	25-Nov-1	4 8					Form/Steel Rebars f
P2-BT-590	Casting Concrete for Roof Slab & Mechanical	l Finishina	1	17-Dec-14	17-Dec-14		8	1				Casting Concrete fo
Booster Pump S			<u> </u>	200	200			 				<u></u>
Civil & Structu												
P2-BP-130		ng for Foundation	1	01-Dec-14	01-Dec-14	12-Jul-14	67					Apply Safety Measure
P2-BP-140			2	01-Dec-14	01-Dec-14	24-Aug-1		1				Compacted Basecour
P2-BP-150		<u> </u>	1	01-Dec-14	01-Dec-14	01-Sep-1		1				Cast Concrete - Blindi
P2-BP-160	· ·		7	01-Dec-14	08-Dec-14	01-Sep-1						Concrete Curing, Co
P2-BP-170		Steel Burrel Encasement	9	01-Dec-14	08-Dec-14	09-Sep-14		1				Form/Steel Rebars fo
P2-BP-180	·		1	01-Dec-14	01-Dec-14	14-Sep-14		1				Cast R.C. for the Slab
P2-BP-190			7	01-Dec-14	07-Dec-14	15-Sep-14		1				Concrete Curing&Ba
	& Metal Works		,	01 200 14	07 200 14	10 CCP 1						—
											1 1 1 1 1	1 1 1 1 1
(New Bar)	▼ Summary						Date		evision		Checked	Approved
Actual Work	•						01-Dec-14 Sı	.Planning	Eng.M.	AbuSha	CM/Deputy Proglv.	Naim Mani-Prog Direc
Remaining Work			RD International Relief	Co. D1								
Critical Remaining Work		1	International Kelief	& Developm	ent							
Chilical Remaining Mork												1

	Activity Name	Original	Early Start	Early Finish	Actual Start	Total Floa		otal Float Qtr 4, 2013 Qtr 1, 2014 Qtr 2, 2014 Qtr 3, 2014 Qtr 4, 2014 Qtr						
		Duration					ct N	D J	F M	A M J	Jul A S Oct I			
P2-BP-210	Furnish & Install Grating, Plates, embeds, Ladders,etc.	20	07-Dec-14	30-Dec-14		61						Fu Fu	irnish 8	Install
Electrical & Instrum										1 1 1		•		
P2-BP-E-50	Furnish & Installation of Earthing, Ductbanks & Raceway	10	08-Dec-14	20-Dec-14		28						■ Fur	nish & l	nstalla
Septic & Seepage Tank	(
Plumbing Works]]			▼		
P2-SS-P-20	Furnish & Install of all Piping Required	4	07-Dec-14	10-Dec-14		101						1 Furn	ish & In	stall of
Civil & Structural W														
P2-SS-220	Excavation for Foundation, Leveling, Subgrade layers Com	pacted 2	01-Dec-14	02-Dec-14		-4								
P2-SS-230	Form/Steel Rebars for Base Slab & Ring Beam Including V	Vater Stop 2	03-Dec-14	04-Dec-14		-4						1		
P2-SS-240	Cast R.C. for Base Slab & Ring Beam	1	06-Dec-14	06-Dec-14		-4								
P2-SS-250	Concrete Curing	7	07-Dec-14	14-Dec-14		-4						•		
P2-SS-260	Form/Steel Rebars for the Walls	4	07-Dec-14	10-Dec-14		-1						1		
P2-SS-270	Cast Reinforced Concrete for the Wallls	1	15-Dec-14	15-Dec-14		-4			1 1					1 1
P2-SS-280	Concrete Curing	7	16-Dec-14	23-Dec-14		-4								
P2-SS-290	Deshuttering & Curing For Walls	1	24-Dec-14	24-Dec-14		-4	-							
P2-SS-300	Form/Steel Rebars for the Roof Slab	1	25-Dec-14	29-Dec-14		-4								
		4				-4	-					•		
P2-SS-310	Cast Reinforced Concrete for the Roof Slab	1	30-Dec-14	30-Dec-14		-4								
Electrical & Control Bu	<u> </u>													
Civil & Structural W	Excavation Leveling for Foundation & Compacted Baseco	urno Lovor 20om	01-Dec-14	02-Dec-14	22-Oct-14						<u> </u>	Evec	ation L	01/01:-
	9	•			22-Oct-14	-2		.ii				EXCAV	/augn L	eveni
P2-CE-270	Form/Steel Rebars for Foundation	4	02-Dec-14	07-Dec-14		-2								
P2-CE-280	Cast Concrete	1	08-Dec-14	09-Dec-14		-2								
P2-CE-290	Concrete Curing	7	09-Dec-14	17-Dec-14		7						■ Cor	crete C	uring
P2-CE-300	Form/Steel Rebars for Slab on Grade	10	09-Dec-14	21-Dec-14		-2								
P2-CE-310	Cast R.C. for the Slab on Grade	1	21-Dec-14	22-Dec-14		-2						1		
P2-CE-320	Concrete Curing	7	22-Dec-14	30-Dec-14		3						☐ Co	oncrete	Curin
Electrical & Instrum	entation Works	,		'								▼		
P2-CE-E-110	Earthing	1	07-Dec-14	08-Dec-14		-2						ı		
Chlorination & Storage	Building	<u>'</u>												
Civil & Structural W	orks													
P2-CHS-300	Form/Steel Rebars for Foundation	4	01-Dec-14	04-Dec-14		3						I Form	Steel F	ebars
P2-CHS-310	Cast Concrete	1	07-Dec-14	07-Dec-14		3						l Cast	Concre	te
P2-CHS-320	Concrete Curing	7	08-Dec-14	15-Dec-14		3						■ Con	crete C	uring
P2-CHS-330	Form/Steel Rebars for Slab on Grade	3	08-Dec-14	10-Dec-14		6						I Form	/Steel I	Rebar
P2-CHS-340	Cast R.C. for the Slab on Grade	1	11-Dec-14	11-Dec-14		6						ı Cast	R.C. fc	r the S
P2-CHS-350	Concrete Curing	7	16-Dec-14	23-Dec-14		3							ncrete (- i- i- -
P2-CHS-360	Form/Steel Rebars for the Walls	5	15-Dec-14	20-Dec-14		6	-						m/Stee	
P2-CHS-370	Cast Reinforced Concrete for the Wallls	3		24-Dec-14		3	-						st Rein	1 1
Electrical & Instrum			24-Dec-14	24-Dec-14		3						- I Ca	SUNCIII	OICEC
P2-CHS-E-060	Earthing System	4	06 Doo 14	06 Dec 14		2						Forth	ing Sys	tom
			06-Dec-14	06-Dec-14		3		·}				Laiui	ing Sys	
Living Quarters Buildi	-													
Civil & Structural Wo	Form/Steel Rebars for the Walls	5	01-Dec-14	02-Dec-14	06-Nov-14	21						Form/	Stopl B	hhare
		5			00-1107-14		-				-		Reinfor	1 1
P2-LQ-320	Cast Reinforced Concrete for the Walls	1	02-Dec-14	03-Dec-14		21	_					1 1	i i	i i
P2-LQ-330	Concrete Curing	7	03-Dec-14	11-Dec-14		28		ļļ				□ Con		
P2-LQ-340	Deshuttering & Curing For Walls	3	20-Dec-14	23-Dec-14		21						I De	shutteri	ng & (
Electrical & Instrum												▼		
P2-LQ-E-20	Earthing	1	01-Dec-14	01-Dec-14		46						Earthi	ng	
Electrical Metering Bui														
Civil & Structural W									ļļ				; 	. -
P2-EM-270	Subgrade Piping Including Concrete Encasement	3	01-Dec-14	03-Dec-14		28						1	rade Pi	1 1
P2-EM-280	Form/Steel Rebars for Foundation	4	04-Dec-14	08-Dec-14		28							/Steel I	1 1
P2-EM-290	Cast Concrete	1	09-Dec-14	09-Dec-14		28						I Cast	Concre	te
P2-EM-300	Concrete Curing	7	10-Dec-14	17-Dec-14		28						□ Cor	crete C	uring
								 	· · · · · ·					
lew Bar)	■ Summary					Date		Revis	ion		Checked	<u></u>	Approv	∕ed
tual Work					01-	Dec-14	Sr.Plann	ing Eng	.M. Abu	Sha CM/I	Deputy Proglv.	Naim N	lani-Pr	og Dir
maining Work		(RH)	. D .											
itical Remaining Work		IRD International Relief	& Developm	ent										
	I I													

Activity ID		Activity Name	Original	Early Start	Early Finish	Actual Start Total	Float 2	tr 4, 2	013	Qtr 1, 2014 Qtr 2, 2014 Qtr 3	, 2014 Q	tr 4, 20)14 (Qtr 1, 2	2015	Qtr 2, 2)15
			Duration				þ	t N	D	J F M A M J Jul	A S Oc	t N	D	J F	М	A M	J
	P2-EM-310	Form/Steel Rebars for Slab on Grade	5	10-Dec-14	15-Dec-14	29	9						■F	orm/S	teel R	Rebars	or
	P2-EM-320	Cast R.C. for the Slab on Grade	1	16-Dec-14	16-Dec-14	29	9					I Cast I	ast R	C. for	the S	ıb (
	P2-EM-330	Concrete Curing	7	18-Dec-14	25-Dec-14	28	3							Cancr	ete C	uring	
	P2-EM-340	Form/Steel Rebars for the Walls	5	20-Dec-14	24-Dec-14	29	9						0	Form/	\$teel	Rebar	fo
	P2-EM-350	Cast Reinforced Concrete for the WallIs	2	27-Dec-14	28-Dec-14	28	3						ľ	Cast I	Reinfr	orced (on
	Electrical & Instrum	nentation Works										y	7			:	
	P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	04-Dec-14	04-Dec-14	10	5						ı Ea	rthing	&Ligh	ntining	oro!
	Well Systems											₩		-		1	
	Wellhead and Pad ((Structural)											1				
	P2-WS-090	Excavation to the Required Depth	3	01-Dec-14	03-Dec-14	-2	2										
	P2-WS-100	Grading & Compacting Subgrade Layers	5	04-Dec-14	09-Dec-14	-2	2					ſ	•	!		!	
	P2-WS-110	Furnish & Install Subgrade Piping	14	10-Dec-14	25-Dec-14	-2	2										
	O&M),Inspection,Commiss	sioning,Start Up & Training											~				
	Initial Operation & Manu	facturer Technical Manual Submittals (O&M)										₩	~			1	
	P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	01-Dec-14	13-Dec-14	66	6						■ P	rep&S	ubmit	t O&M	or \
	P2-OM-00030	Prep&Submit Safety&Health Training	10	01-Dec-14	11-Dec-14	66	6						Pr	ep&S	ubmit	t Safet	&H
	P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	01-Dec-14	14-Dec-14	86	6						■ P	rep&S	ubmi	t O&M	or
	P2-OM-00050	Prep&Submit O&M for Duty Motive Pumps	10	14-Dec-14	24-Dec-14	77	7							Prep&	Subm	nit O&N	fo
	P2-OM-00060	Prep&Submit O&M for Equipment General	10	14-Dec-14	24-Dec-14	77	7							Prep&	Subm	nit O&N	foi
	P2-OM-00110	Prep&Submit O&M for VFD	10	01-Dec-14	11-Dec-14	-1	0						-	1		1 1 1	
	P2-OM-00140	Prep&Submit for VFD Electrical Test	10	13-Dec-14	23-Dec-14	78	3				1 1			≥rep&	Subm	nit for '	FD



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

RFTOP WATER-294-13-00018 WELL 01-Dec-14 REHABILITATION IMPROVEMENTS Nov.2014 Roll Up Schedule Activity ID Activity Name Original Actual Start Actual Finish NDJFMAMJJASONDJFMAMJ 340 01-Dec-14 23-Oct-13 20-Jun-15 Total 23-Oct-13 RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS 340 01-Dec-14 20-Jun-15 01-Dec-14 20-Jun-15 23-Oct-13 -29 24 24-Oct-13 **Mobilization** 08-Jan-14 Submittals 384 01-Dec-14 20-Jun-15 31-Oct-13 **Pre Construction Submittals** 45 31-Oct-13 31-Mar-14 **Construction Submittals** 01-Dec-14 03-May-15 14-Nov-13 41 Material Submittals 01-Dec-14 | 11-Jan-15 | 06-Jan-14 132 01-Dec-14 25-Mar-15 17-Dec-13 **Shop Drawings** Methods Statement & Work Plans 01-Dec-14 03-May-15 14-Nov-13 0 Post Construction Submittals 20-Jun-15 20-Jun-15 -25 Procurement 01-Dec-14 02-May-15 01-Jul-14 -8 211 01-Dec-14 02-May-15 02-Aug-14 Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well Material Order & Manufacture **Mechanical Equipment** 01-Dec-14 25-Feb-15 02-Aug-14 20 **Electrical Equipment** 01-Dec-14 02-May-15 -39 Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well 01-Dec-14 02-May-15 02-Aug-14 -11 Material Order & Manufacture 01-Dec-14 02-May-15 02-Aug-14 55 **Mechanical Equipment** 01-Dec-14 25-Feb-15 02-Aug-14 **Electrical Equipment** 141 01-Dec-14 02-May-15 -22 Steel Pipes,Fittings&Valves 92 01-Dec-14 25-Mar-15 01-Jul-14 Material Order & Manufacture 01-Dec-14 11-Mar-15 01-Jul-14 All Needed Pipes, Steel Pipes & Fittings 01-Dec-14 17-Feb-15 -12 01-Dec-14 11-Mar-15 **Material Delivary** 18-Feb-15 25-Mar-15 All Needed Pipes, Steel Pipes & Fittings 12 18-Feb-15 03-Mar-15 20 12 11-Mar-15 25-Mar-15 **Execution Phase** 340 01-Dec-14 20-Jun-15 24-Oct-13 0 Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements 01-Dec-14 07-Jun-15 24-Oct-13 10 Mobilization for P1 24-Oct-13 08-Jan-14 P1 - Arraba Well Pump Station Rehabilitation 63 25-Dec-13 06-Jun-14 14-Mar-14 19-Jun-14 **Design Review After Well Development Results** 151 Geophysical Logging Final Acceptance 14-Mar-14 27-May-14 P1 - Arraba Well Pump Station Infrastructure Improvemen 344 30-Dec-13 Demolishing, Site Development, Apply Safety Measurments & Site Preparation 210 11-Dec-14 30-Dec-13 155 01-Dec-14 **Construction of New Pump Station** 01-Dec-14 26-May-15 17-Mar-14 21 **Retaining Walls** 01-Dec-14 01-Dec-14 23-Apr-14 164 Balance Tank 1000 m3 01-Dec-14 07-Apr-15 16-Jul-14 -1 Civil & Structural Works 214 01-Dec-14 26-Feb-15 16-Jul-14 **Finishing Works** 19-Jan-15 28-Mar-15 Metal Fabricated Works 23-Mar-15 28-Mar-15 Mechanical Works 04-Mar-15 04-Apr-15 **Electrical & Instrumentation Works** 146 01-Feb-15 04-Apr-15 09-Sep-14 **Test Water Tightness For Reservoir** 05-Apr-15 07-Apr-15 04-May-15 17-Mar-14 40 **Booster Pump System** 01-Dec-14 23-Feb-15 17-Mar-14 Civil & Structural Works 113 01-Dec-14 100 Steel Structure & Metal Works 18-Feb-15 11-Apr-15 -24 **Mechanical Works** 10-Jan-15 03-May-15 -13 **Electrical & Instrumentation Works** 01-Feb-15 04-May-15 -24 **Coatings & Finishing Works** 08-Apr-15 23-Apr-15 Septic & Seepage Tank 01-Dec-14 02-Mar-15 30 **Civil & Structural Works** 01-Dec-14 02-Mar-15 30 **Plumbing Works** 07-Dec-14 02-Mar-15 20 Revision Checked Approved (New Bar) Summary 01-Dec-14 Sr.Planning Eng.M. AbuSha... | CM/Deputy Prog.-lv... | Naim Mani-Prog Direc.. Actual Work International Relief & Development Remaining Work Critical Remaining Work

Milestone

ity ID	Activity Name	Activity Name Original Early Start Early Finish Actual Duration		Actual Start	Actual Finish Total Floa		Q	Q	Q		Q Q	
		Duration					O N D	JFN	И А М J	J A S	ONDJ	F M A M
	Finishing Works	7	18-Feb-15	25-Feb-15		20						₩
	ectrical & Control Building Civil & Structural Works	141	01-Dec-14	23-May-15		-37						
	Finishing Works	80 22	01-Dec-14 14-Mar-15	12-Mar-15 07-Apr-15		-26 -26	-					
_	Mechanical Works	37	14-Mar-15	25-Apr-15		-26	-					
	Electrical & Instrumentation Works	128	16-Dec-14	23-Api-15		-37						_ V V
	HVAC-Plumping	10	05-May-15	16-May-15		-34						—
	hlorination & Storage Building	134	01-Dec-14	14-May-15		-33		+				
	Civil & Structural Works	93	01-Dec-14	28-Mar-15		-23						
	Finishing Works	21	29-Mar-15	21-Apr-15		-23						—
	Mechanical Works	83	17-Jan-15	27-Apr-15		-23					 	
	Electrical & Instrumentation Works	127	09-Dec-14	14-May-15		-33					-	
	HVAC-Plumping	5	28-Apr-15	03-May-15		-23						₩
	ving Quarters Building	128	01-Dec-14	07-May-15	29-Nov-14	-3						
	Civil & Structural Works	67	01-Dec-14	25-Feb-15	29-Nov-14	1					1	→
_	Finishing Works	26	25-Feb-15	28-Mar-15		1						
_	Mechanical Works	59	17-Jan-15	30-Mar-15		1						
	Electrical & Instrumentation Works	116	14-Dec-14	07-May-15		-27	-					
	HVAC-Plumping	40	15-Mar-15	30-Apr-15	14 Con 14	3						
	ectrical Metering Building Civil & Structural Works	167 126	01-Dec-14 01-Dec-14	19-Apr-15 02-Mar-15	14-Sep-14 14-Sep-14	-11 9						
	Finishing Works	126	01-Dec-14 03-Mar-15	02-Mar-15 21-Mar-15	14-Sep-14	9						-
	Electrical & Instrumentation Works	107	03-Mar-15 01-Dec-14	13-Apr-15		-11						
	HVAC-Plumping	5	14-Apr-15	19-Apr-15		-11						•
	ads & Slabs	110	20-Dec-14	05-May-15		-25						
	Civil & Structural Works	43	20-Dec-14	16-Feb-15		27					-	▼
	Electrical & Instrumentation Works	94	11-Jan-15	05-May-15		-25					→	
	Mechanical Works	15	17-Feb-15	05-Mar-15		27	-11	+			1	V
W	ell Systems	84	27-Jan-15	07-May-15		-27					▼	
	Wellhead and Pad (Structural)	47	27-Jan-15	25-Mar-15		5					₩ ₩	
	Mechanical	16	22-Mar-15	08-Apr-15		-2						~
	Electrical & Instrumentation Works	5	03-May-15	07-May-15		-27		: : : : +				₩.
Ya	ard Works & Site Electrical Power	67	10-Mar-15	26-May-15		-2						
_	External & Finishing Works	67	10-Mar-15	26-May-15		-9						
_	Mechanical Works	24	18-Mar-15	14-Apr-15		34						
	Electrical & Instrumentation Works	63	10-Mar-15	21-May-15		-5						
	r Control Valve for Mirka Existing Balance Tank & Arraba Inspection,Commissioning,Start Up & Training for P1		18-Mar-15	09-Apr-15		-32		<u> </u>				V
	ilization,Close Out&Handing Over for P1		01-Dec-14 02-Jun-15	01-Jun-15 07-Jun-15		-37						
	Sanur Well Pump Stations Rehabilitation & Infrastructu			20-Jun-15	24-Oct-13	0						
	ation for P2	24	OT DCC 14	20 0011 10	24-Oct-13	08-Jan-14	<u> </u>	•				
	nur Well Pump Station Rehabilitation	122			29-Mar-14	19-Jul-14						
	p Switching Off	1			02-Apr-14	19-Apr-14		+				
	ing-Extraction of Fallen Strainer from Sanur Well	19			24-Apr-14	01-May-14			₩			
Deve	elopment	30			03-May-14	15-Jun-14			→	'		
Design	Review After Well Development Results	120			06-Jun-14	14-Jul-14			_			
	nur Well Pump Station Infrastructure Improvement	313	01-Dec-14	28-May-15	29-Mar-14	19						
	olishing,Site Development,Apply Safety Measurments&		01-Dec-14	11-Dec-14	29-Mar-14	155						
	struction of New Pump Station	245	01-Dec-14	28-May-15	06-Jul-14	19						
Ba	alance Tank 1000 m3	239	01-Dec-14	21-May-15	06-Jul-14	-5						
	Civil & Structural Works	175	01-Dec-14	08-Mar-15	06-Jul-14	8	-				<u> </u>	
	Finishing Works Metal Entricated Works	55	31-Jan-15	06-Apr-15		14	-	 		-	-	
	Metal Fabricated Works Mechanical Works		01-Apr-15 04-Mar-15	06-Apr-15 13-Apr-15		14						
	Electrical & Instrumentation Works	173	11-Mar-15	05-May-15	28-Sep-14	-5	-			1		7 7
	Test Water Tightness For Reservoir	173	06-May-15	21-May-15	20-06p-14	-5						
Br.	ooster Pump System	212	01-Dec-14	20-May-15	12-Jul-14	26						-
	Civil & Structural Works	46	01-Dec-14	08-Dec-14	12-Jul-14	158		+		- 		
	Steel Structure & Metal Works	67	07-Dec-14	04-Mar-15		34					V	
				-				. ' '				
(New Bar)	▼ Summary					Date Revis		ha 0:	Chec			roved
Actual Work		TINE			01	I-Dec-14 Sr.Planning Eng	.w. Abusi	na Cl	eputy	ProgIV	Naim Mani-	rog Direc
Remaining V	Vork	International Relie	f & Developm	ent	<u> </u>						1	
Critical Rema	aining Work	international Refie	a Developin	CHL	<u> </u>						1	
					ı	1					1	

	Activity Name	Original	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q			Q	Q	Q
		Duration						O N C	JF	MAN	/ J J	ASC	O N D .	J F M
	Mechanical Works	102	10-Jan-15	13-May-15			-6						▼	
	Electrical & Instrumentation Works	133	08-Dec-14	20-May-15			-12		1 1	. ! !			▼	1 1
	Coatings & Finishing Works	14	01-Apr-15	18-Apr-15			14		.ij	ii				
Se	eptic & Seepage Tank	78	01-Dec-14	10-Mar-15			36							
	Plumbing Works	70	07-Dec-14	07-Mar-15			39		1 1			: ! !		-
	Finishing Works	7	23-Feb-15	02-Mar-15			-4		1 1	: ! !				₩
	Civil & Structural Works	78	01-Dec-14	10-Mar-15			-4			:			- 	
EI	ectrical & Control Building	143	01-Dec-14	27-May-15	22-Oct-14		-21					, '		+ + +
	Civil & Structural Works	73	01-Dec-14	07-Mar-15	22-Oct-14		-2						-	
	Finishing Works	26	07-Mar-15	06-Apr-15			-2			. ! !				_
	Mechanical Works	37	11-Mar-15	23-Apr-15			-2		1 1	: : :	1 1 1			—
	Electrical & Instrumentation Works	139	07-Dec-14	27-May-15			-21		1 1			:	· ·	+ +
	HVAC-Plumping	10	05-May-15	16-May-15			-11							
C	hlorination & Storage Building	134	01-Dec-14	14-May-15	09-Nov-14		-10							
	Civil & Structural Works	70	01-Dec-14	01-Mar-15	09-Nov-14		23							
	Finishing Works	21	02-Mar-15	25-Mar-15			23		1 1	. ! !				
	Mechanical Works	60	17-Jan-15	31-Mar-15			23						- -	-
	Electrical & Instrumentation Works	130	06-Dec-14	14-May-15			-10							+ +
	HVAC-Plumping	5	01-Apr-15	06-Apr-15			23		- +		-111-			
	ving Quarters Building	152	01-Dec-14	11-Apr-15	07-Sep-14		21						++++	-
	Civil & Structural Works	97	01-Dec-14	03-Feb-15	07-Sep-14		21							→ !
	Finishing Works	26	03-Feb-15	08-Mar-15	01 Cop 11		42							
_	Mechanical Works	42	17-Jan-15	10-Mar-15			42							
_	Electrical & Instrumentation Works	96	01-Dec-14	31-Mar-15			28							<u> </u>
_	HVAC-Plumping	40	23-Feb-15	11-Apr-15			21						111	
	ectrical Metering Building	107	01-Dec-14	13-Apr-15	23-Sep-14		17	1 1	1 1	: : : :	1 1 1			'
	Civil & Structural Works	75	01-Dec-14	07-Mar-15	23-Sep-14 23-Sep-14		28						1 1	
_	Finishing Works	16	08-Mar-15	25-Mar-15	23-3ep-14		28							
_	Electrical & Instrumentation Works	99	04-Dec-14	07-Apr-15			17							
_	HVAC-Plumping	5	08-Apr-15	13-Apr-15			17			. ! !				
	ads & Slabs	95	21-Jan-15	16-May-15			-11	1 1	1 1		1 1 1		1 1.	
	Civil & Structural Works	39	21-Jan-15 21-Jan-15	11-Mar-15			23						1 1.	<u> </u>
_	Electrical & Instrumentation Works	68	16-Feb-15	05-May-15			-11							*
_	Mechanical Works	56	12-Mar-15	16-May-15			-11							
_	Finishing Works	2					-11							
			06-May-15	07-May-15						. ! !				_ i _ i
VV	/ell Systems Wellhead and Pad (Structural)	140 47	01-Dec-14 01-Dec-14	21-May-15 31-Jan-15			-16							
_		17					72 -16							7
_	Mechanical Floating 8 Instrumentation Works		02-May-15	21-May-15										
V	Electrical & Instrumentation Works	5	02-May-15	07-May-15			-4							
Tá	ard Works, Widening & Upgrading of Existing Main Road Entrance & Site Electrical Power	74	04-Mar-15	28-May-15			-11							
_	External & Finishing Works	73	04-Mar-15	27-May-15			-10			. ! !				
_	Electrical & Instrumentation Works	74	04-Mar-15	28-May-15			-22		1 1					
Flan	Mechanical Works	24	12-Mar-15	08-Apr-15			-22							
	r Control Valve for Jaba Existing Balance Tank&Kafr Rai Existing PS Balance Tank	20	12-Mar-15	04-Apr-15			5					:		
_	Inspection,Commissioning,Start Up & Training	160	01-Dec-14	14-Jun-15			-25							1 1
	al Operation & Manufacturer Technical Manual Submittals (O&M)	123	01-Dec-14	02-May-15			-25						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 1
	roval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	113	14-Jan-15	01-Jun-15			-25							
	ificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	01-Jun-15	08-Jun-15			-25		-					
	ning Phase	11	01-Jun-15	14-Jun-15			-25							
	issioning & Start Up Phase for All System	5	08-Jun-15	14-Jun-15			-25		1 1	:				
_	ilization,Close Out&Handing Over	5	14-Jun-15	20-Jun-15			-25	_	 	<u></u>				
	Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14		V ; ;	1 1	-		,		
	adeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14								
	ilization for P3	24			24-Oct-13	09-Jan-14			▼					
	cution	33			01-Dec-13	20-Mar-14		—		~				
Dem	obilization,Close Out&Handing Over for P3	7			11-Mar-14	11-Mar-14			1 1	.▼ :		. ! !		

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



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



SNW 22.2 "S" Curve

DISCLAIMER:



USAID-INFRSTRUCTURE NEEDS PROGRAM (INP)

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvement

	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

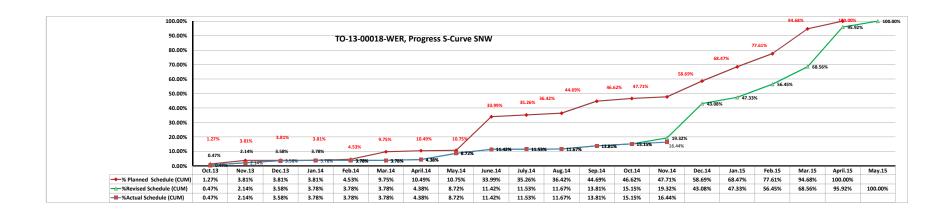
	USD
Total Contract Value Less Day Work:	\$493,634.98
Revised Total Contract Value Less Day Work as per VO #3:	\$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date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

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

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	\$149,948.22	\$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	\$92,239.91							
Actual Schedule Value (CUM)	\$32,801.17	\$149,948.22	\$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	\$1,173,274.32							
% Planned Schedule	1.27%	2.54%	0.00%	0.00%	0.72%	5.22%	0.74%	0.26%	23.24%	1.26%	1.16%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%		100%
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	9.75%	10.49%	10.75%	33.99%	35.26%	36.42%	44.69%	46.62%	47.71%	58.69%	68.47%	77.61%	94.68%	100.00%		100%
% Revised Schedule	0.46%	1.64%	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%	4.13%	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%	1.64%	1.44%	0.20%	0.00%	0.00%	0.60%	4.34%	2.71%	0.10%	0.14%	2.14%	1.33%	1.29%							
%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%							







USAID-INFRSTRUCTURE 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 Improvement

	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

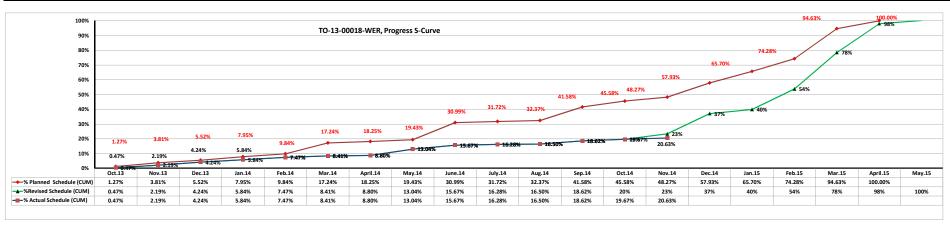
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

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

IRD International Relief & Development

PROGRESS S-CURVE & CASH FLOW SCHEDULE

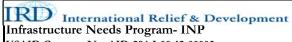
	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15	May.15	TOTAL
Planned Schedule Value	\$178,055.32	\$356,110.65	\$239,531.63	\$340,863.76	\$265,630.41	\$1,036,569.88	\$142,064.98	\$165,787.18	\$1,621,107.65	\$101,526.35	\$91,263.33	\$1,291,207.84	\$561,137.67	\$377,098.76	\$1,355,243.65	\$1,089,356.97	\$1,203,071.89	\$2,853,307.27	\$752,921.71		\$14,021,856.90
Planned Schedule Value (CUM)	\$178,055.32	\$534,165.97	\$773,697.60	\$1,114,561.36	\$2,150,197.13	\$2,557,813.97	\$2,770,192.54	\$2,952,502.65	\$3,131,594.56	\$3,442,262.83	\$4,203,487.84	\$5,367,910.89	\$6,057,671.91	\$7,182,846.02	\$11,786,324.99	\$12,656,319.68	\$13,283,860.66	\$13,781,338.08	\$14,021,856.90		\$14,021,856.90
Revised Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$221,497.26	\$226,373.76	\$130,651.66	\$54,691.72	\$589,662.74	\$369,633.73	\$85,724.93	\$30,455.79	\$298,357.10	\$147,409.84	\$516,816.64	\$1,927,687.63	\$391,904.37	\$1,952,450.19	\$3,476,016.65	\$2,745,703.94	\$295,234.73	\$14,050,462.86
Revised Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$811,687.44	\$1,038,061.20	\$1,168,712.86	\$1,223,404.58	\$1,813,067.32	\$2,182,701.05	\$2,268,425.98	\$2,298,881.77	\$2,597,238.87	\$2,744,648.71	\$3,261,465.35	\$5,189,152.98	\$5,581,057.35	\$7,533,507.54	\$11,009,524.19	\$13,755,228.13	\$14,050,462.86	\$14,050,462.86
Actual Schedule Value	\$65,599.32	\$238,968.78	\$285,622.08	\$221,497.26	\$226,373.76	\$130,651.66	\$54,691.72	\$589,662.74	\$369,633.73	\$85,724.93	\$30,455.79	\$298,357.10	\$147,409.84	\$134,893.70							
Actual Schedule Value (CUM)	\$65,599.32	\$304,568.10	\$590,190.18	\$811,687.44	\$1,038,061.20	\$1,168,712.86	\$1,223,404.58	\$1,813,067.32	\$2,182,701.05	\$2,268,425.98	\$2,298,881.77	\$2,597,238.87	\$2,744,648.71	\$2,879,542.41							
% Planned Schedule	1.27%	2.54%	1.71%	2.43%	1.89%	7.39%	1.01%	1.18%	11.56%	0.72%	0.65%	9.21%	4.00%	2.69%	9.67%	7.77%	8.58%	20.35%	5.37%		100%
% Planned Schedule (CUM)	1.27%	3.81%	5.52%	7.95%	9.84%	17.24%	18.25%	19.43%	30.99%	31.72%	32.37%	41.58%	45.58%	48.27%	57.93%	65.70%	74.28%	94.63%	100.00%		100%
% Revised Schedule	0.47%	1.70%	2.03%	1.58%	1.61%	0.93%	0.39%	4.20%	2.63%	0.61%	0.22%	2.12%	1%	4%	14%	3%	14%	25%	20%	2%	100%
%Revised Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	8.80%	13.04%	15.67%	16.28%	16.50%	18.62%	20%	23%	37%	40%	54%	78%	98%	100%	100%
% Actual Schedule	0.47%	1.70%	2.03%	1.58%	1.61%	0.93%	0.39%	4.20%	2.63%	0.61%	0.22%	2.12%	1.05%	0.96%							
% Actual Schedule (CUM)	0.47%	2.19%	4.24%	5.84%	7.47%	8.41%	8.80%	13.04%	15.67%	16.28%	16.50%	18.62%	19.67%	20.63%							





SNW 22.3 Site Memos Log

DISCLAIMER:



Infrastructure Needs Program- INP USAID Contract No. AID-294-I-00-12-00003 Project: Wells Rehabilitation Project

NOA Date: NTP Date: Current as Date: September 23, 2014 October 25, 2014 December 2, 2014

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

DISCLAIMER:



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	Hours	Quantity Idle
1		ICD Dl. II-1- 1002 1	in use		
1	November 1, 2014	JCB Back Hole-1993-1			1
3		Steel Compactor 80cm Mitsubishi L200-2007	1	8	2
4		Total Station	1	0	1
5		Level			1
6		Concrete Vibrator			1
7		JCB Back Hole-1993-1	1	4	1
8	November 2, 2014	Steel Compactor 80cm	1	+	2
9		Mitsubishi L200-2007	1	8	2
10		Total Station	1	4	
11		Level	1	4	
12		Concrete Vibrator	1	т -	1
13		JCB Back Hole-1993-1	1	4	1
14		Steel Compactor	1	7	2
15	November 3, 2014	Mitsubishi L200-2007	1	8	2
16		Total Station	1	0	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	'	1
25		JCB Back Hole-1993-1			1
26		Steel Compactor 80cm			2
27		Mitsubishi L200-2007	1	8	
28	November 5, 2014	Total Station	-		1
29		Level			1
30		Concrete Vibrator			1
31		JCB Back Hole-1993-1			1
32		Steel Compactor 80cm			2
33		Mitsubishi L200-2007	1	8	_
34	November 6, 2014	Total Station	_		1
35		Level			1
36		Concrete Vibrator	1	3	
37		JCB Back Hole-1993-1			1
38		Steel Compactor 80cm			2
39		Mitsubishi L200-2007	1	8	
40	November 7, 2014	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		Steel Compactor 80cm			2
45	N	Mitsubishi L200-2007	1	8	
46	November 8, 2014	Total Station	1	2	
47		Level	1	2	
48		Concrete Vibrator	1	3	
49		JCB Back Hole-1993-1	1	6	
50		Steel Compactor 80cm			2
51	NI 1 0 2014	Mitsubishi L200-2007	1	8	
52	November 9, 2014	Total Station	1	3	
53		Level	1	3	
54		Concrete Vibrator			1
55		JCB Back Hole-1993-1			1
56	November 10, 2014	Steel Compactor			2
57		Mitsubishi L200-2007	1	8	
58		Total Station			1
59		Level	1	3	
60		Concrete Vibrator			1
61		JCB Back Hole-1993-1	1	4	
62		Steel Compactor 80cm			2
63		Mitsubishi L200-2007	1	8	
64	November 11, 2014	Total Station	1	1	
65		Level			1
66		Concrete Vibrator			1
67		JCB Back Hole-1993-1	1	8	
68		Steel Compactor 80cm	1	4	1
69	N	Mitsubishi L200-2007	1	8	
70	November 12, 2014	Total Station	1	1	
71		Level			1
72		Concrete Vibrator			1
73		JCB Back Hole-1993-1	1	8	
74		Steel Compactor	1	8	1
75	N	Mitsubishi L200-2007	1	8	
76	November 13, 2014	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		JCB Back Hole-1993-1			1
80	November 14, 2014	Steel Compactor 80cm			2
81		Mitsubishi L200-2007	1	8	
82		Total Station	1	0	1
83		Level			1
84		Concrete Vibrator			1
85		JCB Back Hole-1993-1	1	4	
86	November 15, 2014	Steel Compactor			2
87		Mitsubishi L200-2007	1	8	
88		Total Station			1
89		Level	1	1	
90		Concrete Vibrator			1
91		ICB Back Hole-1993-1			1
92		Steel Compactor 80cm			2
93	November 16, 2014	Total Station			1
94		Level			1
95		Concrete Vibrator			1
96		ICB Back Hole-1993-1			1
97	November 17, 2014	Steel Compactor 80cm			2
98		Mitsubishi L200-2007	1	6	
99		Total Station			1
100		Level			1
101		Concrete Vibrator			1
102		JCB Back Hole-1993-1			1
103		Steel Compactor 80cm			2
104		Mitsubishi L200-2007	1	8	
105	November 18, 2014	JCB Back Hole-1993-1			1
106		Steel Compactor 80cm			2
107		Mitsubishi L200-2007	1	8	
108		JCB Back Hole-1993-1	1	4	
109		Steel Compactor 80cm	1	4	1
110	NI 1 40 2044	Mitsubishi L200-2007	1	8	
111	November 19, 2014	Total Station			1
112		Level			1
113		Concrete Vibrator			1
114		JCB Back Hole-1993-1	1	3	
115		Steel Compactor 80cm			1
116	November 20, 2014	Mitsubishi L200-2007	1	6	ĺ
117		Total Station	1	2	
118		Level			1
119		Concrete Vibrator			1
120		JCB Back Hole-1993-1			1
121		Steel Compactor 80cm			1
122	November 21, 2014	Total Station			1
123		Level			1
124		Concrete Vibrator			1

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



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		Location
1	November 2, 2014	Conbextra HF	a HF 200 KG Sanur Location	
2			Sanur Location	
3	November 6, 2014	Concrete B350	44 m³	BalanceTank Wall-Section D
4	November 13, 2014	, 2014 Concrete B350 61 m³ BalanceTank Wall-Section E1		BalanceTank Wall-Section E1
5	November 24, 2014	per 24, 2014 Concrete B350 57 m³ BalanceTank Wall-Section E2		BalanceTank Wall-Section E2
6	November 30, 2014	PVC Pipes, PN 16, ON 110mm	300 meter	Sanur Location

SNW 22.5 Inspection Requests Log

DISCLAIMER:



Color	Response Index
	Amend-Resubmit
	Pending
	No Exceptions Noted

Inspection Requests Log
IRD/BV
Task Order:
Project:
AID-294
Wells Re AID-294-TO-13-00018 Wells Rehabilitation Project

Sender/ Recipient	IRD/BV	,	1st Inspection			2nd Ins	spection
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	1
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Task Order: AID-294-TO-13-00018
Project: Wells Rehabilitation Project

Sender/ Recipient	IRD/BV		1st Inspection	1st Inspection		2nd In:	spection
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

DISCLAIMER:

IRD International Relief & Development
SUBMITTAL REGISTER LOG/SCHEDULE

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

 Project 1-ARW Arraba Well Pump Station
 NTP;
 23-Oct-13

 Project 3-SNV Samur Well Pump Station
 NOA:
 25-Scn-13

						Project 2-SNW Sanur We	ell Pump Station		
						Project 3-SDW Saadeh We	/ell Rehabilitation	NOA:	25-Sep
Submittal Categories			Submittal Classification		Identifiers:		Resubmittal Alpha Identifier	Submittal Disposition/ Color Coding	
PI	D PRODU	UCT DATA	PCS	Preconstruction	WER Wells Rehabilitation Project	First Submittal SUB-18-WER-001-A		A – No Exceptions Noted	
SI	D SHOP I	DRAWINGS	CONS	Construction	ARW : Project 1 Identifier	First RE-Submittal SUB-18-WER-001-B		B - Make Corrections Noted	
Al	D ADMIN	NISTRATIVE/OTHER	PSTS	Post construction	SNW : Project 2 Identifier	Second Resubmittal SUB-18-WER-001-C		C- Amend and Resubmit	
т	R TEST R	REPORT			SDW : Project 3 Identifier			D- Rejected- Resubmit	
SC	CH SCHED	DULE						E- Review Not Required	
RF	PT REPOR	KT						Submitted Pending Response	
SM	dP SAMPL	E							
o	O COMPL	LETION & CLOSEOUT							
M/	AT MATER	RIAL.							
							-		
	٨	В	С	D	E F G	H I J K L	M N O	P Q B S	

CO MAT	COMPLETION & CLOSEOUT MATERIAL															
Α	8	c	D	Е	F	G	н	1 ,	К	L	М	N 0	P	Q	В	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier Schede	ule Activity ID	BOQ Item No.	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
										F						
SUB-00018-WER-127-B	Non Price BOQ Break Down Balance Tank Instrumentation and Lightning	Section 01311	AD	CONS	SUB	WER		P		From main contractor directly	November 5, 2014	December 5, 2014	November 25, 2014	20	С	
SUB-00018-ARW-174-B	Shop Drawing		SD	CONS	SUB	ARW		Н		October 29, 2014 From main contractor	November 11, 2014	December 11, 2014	November 19, 2014	8	С	
SUB-00018-SNW-310-D	Shop Drawing "Sanur well" Confirmed Profile Operation and Maintenance Technical Manual (Table of Contents)-	Section 01300-Part-1.8-B	SD	CONS	SUB	SNW		П		directly	November 13, 2014	December 13, 2014	November 16, 2014	3	A	
SUB-00018-ARW-336-B	Arraba Well Project	Section 01781-Paragraph: 1.6 & 1.7	PD	CONS	SUB	ARW		В		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 Section 01300	AD	CONS	SUB	SNW				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 04232 016110-Part 1.2 (B)-Drawing No: LQE-1,LQE-2-Rev.: Sanur	PD	CONS	SUB	WER		В		November 5, 2014	November 9, 2014	December 9, 2014	November 16, 2014	7	В	
SUB-00018-SNW-438-B	Sanur Living Quarters Electrical Shop Drawing	Confirmed Document	SD	CONS	SD	SNW		В		November 25, 2014	November 25, 2014	December 25, 2014	November 27, 2014	2	В	
SUB-00018-ARW-467-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed Electrical Metering Building Underground Electrical Conduit Shop		AD	CONS	SUB	ARW		В		November 25, 2014	November 25, 2014	December 25, 2014				D. F.
SUB-00018-ARW-478-B	Drawing Earthing & Under Ground Conduits Systems Shop Drawings For	16110- Paragraph 1.2 (B)	SD	CONS	SUB	ARW		P		November 23, 2014	November 24, 2014	December 24, 2014	N. 1 20 2011		D.	Pending
SUB-00018-SNW-484-B SUB-00018-WER-524-B	Electrical Metering Building	16110, Paragraph: 1.2B	SD	CONS	SUB	SNW WER		P P		November 23, 2014	November 24, 2014	December 24, 2014	November 30, 2014	6	A A	
SUB-00018-WER-524-B SUB-00018-WER-536-B	Multi-Function Valve	Section: 11259- Paragraph: 2.12A	PD PD	CONS	SUB	WER		B		October 30, 2014	November 3, 2014	December 3, 2014	November 4, 2014	1	n P	
	Electric Chemical Feed (Metering) Pumps	Section: 11259- Paragraph: 211			SUB					November 2, 2014 From main contractor	November 11, 2014	December 11, 2014	November 12, 2014		В	
SUB-00018-ARW-543-B	Method Statement for Backfilling behind the Retaining Wall-ARW	Section 02200	AD	CONS	SUB	ARW		P		directly From main contractor	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		directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-552-A	Field Density Compaction Test for Subgrade – EMR Foundation Field Density Compaction Test for Substrata – Electrical Control Roor	Section 02200 n Continue 02200	TR	CONS	Lab Test	SNW		A		directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014	2	A	
SUB-00018-SNW-553-A	Foundation	Section 02200	TR	CONS	Lab Test	SNW		A		directly From main contractor	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		TR	CONS	Lab Test	SNW		A		directly From main contractor	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		directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-556-A SUB-00018-SNW-557-A	Field Density Compaction Test for Base Course – Chlorination Room Test Report on Concrete Compressive Strength at 28 Days of Age –	Section 02200 Section 03300	TR TR	CONS	Lab Test	ARW SNW		A		directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014	2	A A	
	Base of Sanur B.T. Test Report on Concrete Compressive Strength at 28 Days of Age –									directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014			
SUB-00018-ARW-558-A	B.T. Wall / Section B Test Report on Concrete Compressive Strength at 7 Days of Age – B.1	Section 03300	TR	CONS	Lab Test	ARW		A		directly From main contractor	November 2, 2014	December 2, 2014	November 4, 2014	2	A	
SUB-00018-ARW-559-A	Wall / Section D	Section 03300	TR	CONS	Lab Test	ARW		A		directly From main contractor	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 AD	CONS	SUB	WER		A B		directly From main contractor	November 2, 2014	December 2, 2014	November 25, 2014	23	С	Post Ess
SUB-00018-WER-560-B	Revised Original CPM Construction Schedule	Contractor's Manual, Sec. 4.1/16,		CONS	SUB	WER		A		directly	November 30, 2014	December 30, 2014	N	1	A	Pending
SUB-00018-WER-561-A SUB-00018-WER-562-A	CPVC Joint Cleaner & Solvent Cement Material Stainless Steel Nuts and Bolts	Section: 15065 -Paragraph: 2.2 A & B	PD PD	CONS	SUB	WER		A		October 23, 2014 October 22, 2014	November 3, 2014 November 3, 2014	December 3, 2014 December 3, 2014	November 4, 2014	1	C	
SUB-00018-SNW-563-A	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 05500, Paragraph: 2.3-C Section: 02626	SD	CONS	SUB	SNW		Δ		October 22, 2014 October 30, 2014	November 3, 2014 November 3, 2014	December 3, 2014 December 3, 2014	November 4, 2014 November 9, 2014	6	С	
SUB-00018-SNW-563-B	Well Pump Pad Shop Drawings (Structural and Architectural)	Section: 02626	SD SD	CONS	SUB	SNW		P		November 16, 2014	November 17, 2014	December 17, 2014	November 9, 2014	0	C	Patropped
SUB-00018-SNW-563-B		Section: 02626	SD	CONS	SUB	SNW		B		November 19, 2014	November 19, 2014	December 19, 2014	November 20, 2014	1	D	Retracted
SUB-00018-WER-564-A	Well Pump Pad Shop Drawings (Structural and Architectural) Electric Heating		PD	CONS	SUB	WER		A		October 27, 2014	November 3, 2014	December 3, 2014	November 12, 2014	9	С	
SUB-00018-WER-565-A	D. C. C. D.H. ID	Section: 15549 -Paragraph: 2.1 & 2.2	PD	CONS	SUB	WER		20		October 13, 2014	November 3, 2014	December 3, 2014	November 5, 2014	2	D D	
	Test Report on Concrete Compressive Strength at 7 Days of Age – Wa	Section: 11259 -Paragraph: 2.3-18 & C						A		From main contractor				1	A	
SUB-00018-SNW-566-A SUB-00018-SNW-567-A	of Sanur B.T. / Section B Test Report on Concrete Compressive Strength at 7 Days of Age –	Section 03300 Section 03300	TR TR	CONS	Lab Test	SNW		A		directly From main contractor	November 3, 2014	December 3, 2014	November 4, 2014	1	A	
SUB-00018-SNW-56/-A SUB-00018-WER-568-A	Living Quarter Room Foundation Chlorination Room Plumbing Shop Drawings	Section 03300 Section: 15430- Paragraph: 1.2-B	TR SD	CONS	Lab Test	SNW WER		A A		directly November 3, 2014	November 3, 2014 November 5, 2014	December 3, 2014 December 5, 2014	November 4, 2014	1	Α	Retracted
SUB-00018-WER-569-A	PVC SCH 80 Pipes and Fittings	Section: 15430- Paragraph: 1.2-B Section: 15430- Paragraph: 2.2-A	PD	CONS	SUB	WER		A		November 3, 2014	November 5, 2014	December 5, 2014 December 5, 2014	November 9, 2014	4	Δ	Retracted
SUB-00018-WER-569-A SUB-00018-WER-570-A	Vibration Transducer	Section: 154:00- Paragraph: 2.2-A Section 16461-Part 2.2 J & Section 17300- Appendix A & B	PD	CONS	SUB	WER		A		rvoveninci 5, 2014	November 5, 2014 November 6, 2014	December 5, 2014 December 6, 2014	November 9, 2014 November 12, 2014	6	A B	
SUB-00018-WER-571-A	QC Monthly Report- October 2014	Section 01300- Part 2.2 J & Section 17500- Appendix A & B	AD	CONS	SUB	WER		A		From main contractor	November 9, 2014	December 9, 2014	November 12, 2014 November 12, 2014	3	С	
SUB-00018-WER-571-B	QC Monthly Report- October 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER		P		directly From main contractor	November 18, 2014	December 18, 2014	November 24, 2014	6	В	
SUB-00018-WER-571-B	QA/QC Submittal Register Monthly Update – October, 2014	Contractor's manual, 4.1-construction submittals (3)- Paragraph:	AD	CONS	SUB	WER		A		directly From main contractor	November 18, 2014 November 9, 2014	December 16, 2014 December 9, 2014	November 24, 2014 November 16, 2014	7	В	
SUB-00018-WER-573-A	QA/QC Submittal Register Monthly Opdate – October, 2014 Electrical Junction Box	1.8B Section 16140-Paragraph: 2.4	PD	CONS	SUB	WER		A		November 9, 2014	November 10, 2014	December 10, 2014	November 17, 2014	7	R	
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	November 10, 2014 November 10, 2014	December 10, 2014 December 10, 2014	November 17, 2014 November 12, 2014	2	A	
SUB-00018-WER-575-A	Monthly Risk Management Plan Update - October, 2014	Contractor's Manual-Sec. 4.1/12 Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER		A		directly From main contractor	November 10, 2014 November 10, 2014	December 10, 2014 December 10, 2014	November 12, 2014 November 12, 2014	2	R	
SUB-00018-WER-576-A	Monthly Environmental Plan Update and Mitigation Plan Update-	Contractor's Manual-Sec. 4.1/14 Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER		A		directly From main contractor	November 10, 2014 November 10, 2014	December 10, 2014 December 10, 2014	November 12, 2014 November 12, 2014	2	В	
SUB-00018-WER-576-A SUB-00018-SNW-577-A	October 2014 Test Report on Concrete Compressive Strength at 28 Days of Age –	Contractor's Manual-Sec. 4.1/14 Section 03300	TR	CONS	Lab Test	SNW		A		directly From main contractor	November 10, 2014 November 10, 2014	December 10, 2014 December 10, 2014	November 12, 2014 November 12, 2014	2	A	
SUB-00018-SNW-57/-A SUB-00018-WER-578-A	Under ÉMR Foundation - Encasement of 10" Washout Pipe Surge Control Bladder Tanks	Section 03300 Section: 13206	PD	CONS	SUB	WER		A		directly From main contractor	November 10, 2014 November 10, 2014	December 10, 2014 December 10, 2014	NOVEHIDET 12, 2014	2	Α	Pending
SUB-00018-WER-5/8-A SUB-00018-SNW-579-A	Test Report on Concrete Compressive Strength at 7 and 28 Days of Aş		TR	CONS	Lab Test	SNW		A		directly From main contractor	November 10, 2014 November 11, 2014	December 10, 2014 December 11, 2014	November 12, 2014	1	A	rending
SUB-00018-WER-580-A	B.T Pits and Pump Suction Header Wall Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2	PD	CONS	SUB	WER		A		November 5, 2014	November 11, 2014 November 11, 2014	December 11, 2014 December 11, 2014	November 12, 2014 November 19, 2014	8	D	
SUB-00018-WER-581-A	Electric Drum Transfer Pump	Section: 1/112- Paragraph: 2.2 Section: 11259- Paragraphs: 2.2 & 2.4	PD	CONS	SUB	WER		A		October 30, 2014	November 11, 2014 November 11, 2014	December 11, 2014 December 11, 2014	- 11010HDC1 17, 2014	9		Pending
SUB-00018-WER-581-A	Control and Instrumentation Cables-Alternative	Section: 01620-Paragraphs: 2.2 B & C	PD	CONS	SUB	WER		A		November 4, 2014	November 11, 2014 November 11, 2014	December 11, 2014 December 11, 2014	November 23, 2014	12	С	- 1 Citaling
00D 0000-WLM-302-A	- and modulication Gapies-Auctinative	The violation and an analysis and a second	110	50113	301	,, Lat		P		74010211001 4, 2014	1101cmoci 11, 2014	13.CCIIDEI 11, 2014	. 1010HDC1 23, 2014	12		

			Submittal	Submittal				POO I		0 1			Submission	D V 111 01 70		T . 1 P	0.1.5::1	
Submittal Number	Submittal Description	Specification Number	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	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			Α		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	₽Đ	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	С	
SUB-00018-SNW-586-A	Soil Confirmation Report for Chlorination Room – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			Α		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			Α		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			Α		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			Α		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	С	
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	С	
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			Α		From main contractor directly	November 17, 2014		December 17, 2014	November 24, 2014	7	С	
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	С	
SUB-00018-WER-596-A	Fabricated Steel Elbow 70° Design Calculation	Section: 15000	PD	CONS	SUB	WER			Α		November 16, 2014	November 17, 2014		December 17, 2014	November 25, 2014	8	В	,
SUB-00018-ARW-597-A	Balance Tank Roof Vent Shop Drawings	Section 15730 - Paragraph: 1.2	SĐ	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			Α		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	В	
SUB-00018-SNW-598-A	Balance Tank Roof Vent Shop Drawings	Section 15730 - Paragraph: 1.2	SĐ	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			Α		November 20, 2014	November 23, 2014		December 23, 2014	November 23, 2014	0	В	
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	С	
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			Α		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			Α		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			Α		From main contractor directly	November 19, 2014		December 19, 2014	November 20, 2014	1	A	
SUB-00018-WER-603-A	Plumping Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER			Α		November 16, 2014	November 19, 2014		December 19, 2014	November 23, 2014	4	С	
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			Α		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			Α		November 23, 2014	November 23, 2014		December 23, 2014	November 30, 2014	7	В	
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			Α		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	С	
SUB-00018-WER-613-B	Stainless Steel Welders – Complementary	Section 02570 - Paragraph: 1	AD	CONS	SUB	WER			В		From main contractor	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	С	
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

DISCLAIMER:



Task Order: 00018-WER Task Order:

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

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."		SEC16460 Para. 3.2.	: Program Standard Detail- DWG. GA-6, Detail A-921	November 2, 2014	November 20, 2014	18		The paragraph sited 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 Vari	iation Order	Request and V	Variation (Order Log
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DISCLAIMER:

IRD Internatio	onal Relief & Dev	elopment																		
								NTP	October 23, 2013											
Task Order:	Task Order: 000	018-WER						NOA	September 25, 2013											
Projects:	Project 1-ARW A	Arraba Well Pump	Station Rehabilitation & Infrastructure Improven	nents																
	Project 2-SNW S	anur Well Pump S	tation Rehabilitation & Infrastructure Improvement	ents																
vo	Date	Status	Subject	USAID Approval		Original Task Order	mount	I	revious Task Order Am	ount	Re	vised Task Order An	nount	Variation Order Change to Day Work	Project Name	Project ID	Original Contract	Previous VO VO	Time Original nsion Completion D	Revised
				Date	BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total	Change to Day Work	,	,	Duration	ime Extension Exte	sion Completion D	Date Completion I

There were no Vos issued during the current reporting period

IRD	International Relief & Development
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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	

VOR Log

						VOR	Log			
						Reference				
VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other	Subject	Status	VO no.
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-00018ARW-399-B)			VOR included the following: 1- Furnish Vertical Turbine Line Shaft Pumps (VTLSP) 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

DISCLAIMER:

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

CONTRACT NO. AID-294-I-00-12-00003 TASK ORDER NO. AID-294-TO-13-00018

Wells Rehabilitation Project-WER

Temproray Job Days Summary Report

Task Order Name: Wells Rehabilitation Project-WER PERIOD FROM: Oct-23-2013 (NTP) Sub-project or Activity Name: Project 2-SNW Sanur Well Pump Station PERIOD TO:

CONTRACTOR: IRD

Date			Site	Staff Job Day	/s**		Total Job	No of Full Time	Total Job Days	Total Job Days	
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other	Days	Equivalent (FTE) Jobs in the Month*	(Males)	(Females)	Notes of Comments
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

Wells Rehabilitation Project-WER Sub-project or Activity Name:
CONTRACTOR:
SUBCONTRACTOR: A Project 2- Sanur Pump Station

IRD Al Abbasi Co

SUBCONTRACTOR:	Al Abl	asi Con	npany											C:4 - C:	CC T . 1. T	 40												
										W/1-	er/Clas	:C		Site Sta	ff Job 1	Days **	•							1		Ian-days	•	
		Manag	gement		1		Engineer	re		WOIK		d labor	1011 (171		ed labor				Ot	her					IV	Tan-days	1	
DATE	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc	Document Control Engineer(F)	Document Control Engineer	Gvil 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	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
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	<u> </u>		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	-	L .		10	.		-		0			_			4	36								0	0	0	0.5	4.5
November 8, 2014 November 9, 2014	4	4	4	12	4	4	4	4	8	8	64 56	8 16	8		48 64	36 36	4	8	4	4				3	3	11 10.75	6 8	7 6.5
November 10, 2014	4	5	5	12	4	4	4	4	8	8	48	16	0		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 November 20, 2014	4	4	4	12	4	4	4	4	8	8	40 32	16 16	8		56 56	36 36	4	8	4					3	3	9 7.375	7	6.5
November 21, 2014	-	5	7	5							32	10			50	36		Ů	7					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

DISCLAIMER:

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

			RISK IDENTIFICATION						RISK ASSESSMENT			RISK RESPONSE	М	ONITORING & CONTROLLING
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE RAISE	BY DATE RAISE	D PROBLTY	. IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground		Delay in work, water shortage in the villages.	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 damag0ng 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.	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).	ttor 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.	Existing	
3	Construction		These hazards include exposure to falls, falling loads, and mobile equipment.	Personnel injuries and delay in work.	4th of August, 201	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.	Existing	
4	Construction	Fall of personnel during construction of	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. Contra	11th of October, 20	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.	Existing	
5	Contractor	Delay in procurement of big electrical	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	25th of October, 20	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.	Existing	

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

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