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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

December 01- December 31, 2014

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

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

WELLS REHABILITATION PROJECT-WER

January 04, 2015

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

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

December 01- December 31, 2014

PROJECT 1-ARRABA WELL PUMP STATION-ARW

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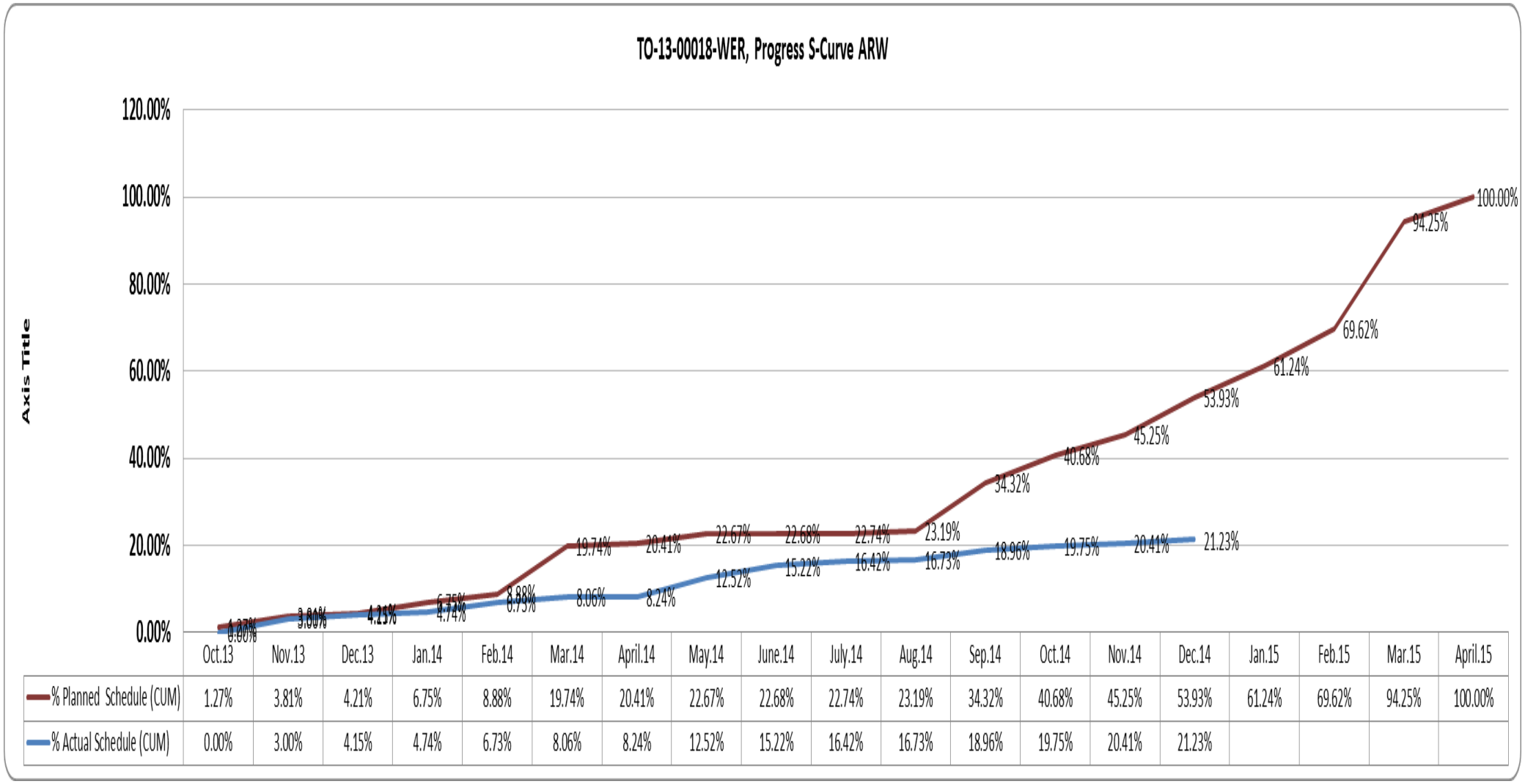
1. Arraba Well (ARW) Dashboard Status



	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
% 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%
% 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%	21.23%				

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2. Public Relation and Outreach

- Taking photos that show the activities at the project site;
- Coordination with WBWD;
- Coordination with IEC (Israeli Electrical Company) representative regarding upgrading of existing main power supply.
- Site visit conducted by Riyad Kabaha; Inspector from Ministry of Labor.

3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO_2).

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 December 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, two accidents occurred in December 17 and December 22, 2014 as follows:

AIR No. 002 had been issued to BV on December 17, 2014; While the steel technician was working on the bending machine to bend the steel bars for the living quarter building, his hand was beside the steel bars, during bending process he hurt his index finger of the left hand, after that he was taken immediately to the hospital for medical treatment; his finger skin got scratched. Reasons behind the accident as per the AIR were lack of attention and that the technician forgot to wear his gloves; violation level was moderately serious.

AIR No. 003 had been issued to BV on December 22, 2014; a worker was exposed to electrical shock while connecting the lighting projector cable with power supply, and fell down to the floor from a height of 2.5 meter. He was transferring the lighting projector inside basin 2 of the balance tank at Arraba Well for connecting to power prior to commencing work. The reason behind the accident as per the AIR was a sudden electrical loose in the lighting projector; violation level was moderately serious.

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The worker was immediately lifted out of the balance tank using the Safety Tripod, and IRD PM called the ambulance to transfer him to the hospital for necessary medical treatment.

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

Particulars	Current Month
First Aid Cases	2
Lost Time Cases	4
Total Hours Lost	16

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.

Safety Photos:

Safety toolbox meeting-ARW

Handrail for elevated slab-ARW

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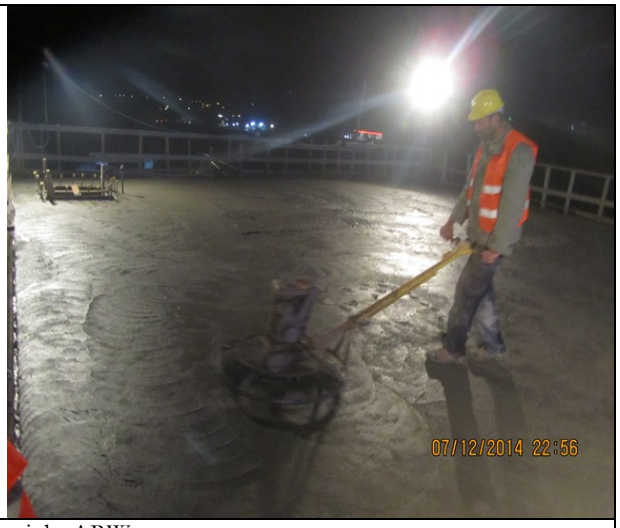
General cleaning (Housekeeping)-ARW



Lighting for working at night ARW

PPE's for visitors-ARW

Smoking area-ARW

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Flagman controlling equipment movement-ARW

Rescue tripod with body harness for working in confined space-ARW

Closed access under construction-ARW

Oxygen cylinder for rescue while working in the confined space-ARW

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Checking the oxygen percentage inside the balance tank (confined space) before de-shuttering the elevated slab-ARW

Checking the steel scaffold and safety preparation inside the balance tank -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	53.93%
Actual percentage complete	21.23%
Elapsed Time	79.09%

Table 6.1-ARW-Progress Summary Table

Project Overall Status: The above percentages are based on the revised CPM Schedule. The percentages shown above demonstrates that the project is still behind the schedule with 39 calendar days negative float due to electrical issue and procurement of electrical equipment. However, basic electrical submittals and supplementary data to those submittals were provided to the engineer. The contractor is working closely and intensively with the Sub and with the Engineer to accelerate finalizing this issue. An updated recovery plan will be submitted at the begining of January 2015 reflecting how the contractor will capture the encountered delays.

During this reporting period, and after insuring safety, environmental measures and dust control on site, construction of Balance Tank in terms of casting concrete for the entire structure is completed. Preparation works for Balance Tank external walls concrete repair is done and concrete surface repair is ongoing. The contractor already completed (95%) of backfilling behind retaining wall, and completed construction of the edge foundation and slab on grade for the Living Quarter, also started formwork for the walls. As for the Electrical Metering building, construction of the edge foundation and trenches is also completed and construction of slab on grade is in

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progress. On the other hand, the contractor completed furnishing, leveling and compaction of base course layer for chlorination room edge footing. Well pump and booster pumps are in the manufacturing phase and progress in this regard is going fine and according to the planned schedule.
Construction submittals and shop drawings are ongoing and relevant specific method statements for major construction activities are constantly prepared.

7. Submittal Status

During the current reporting period 122 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 56 submittals for WER, 33 submittals for ARW and 33 submittals for SNW. Review comments were received for 102 of them, 16 submittals are still waiting engineer's response and four 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	51
B - Make Corrections Noted	37
C- Amend and Resubmit	11
D- Rejected- Resubmit	3
E- Review Not Required	0
Retracted submittals	4
Total submittals delivered	**122**
Total submittals reviewed	**102**
Submittals delivered not reviewed	**16**

Table 7.2-WER-Submittal Disposition

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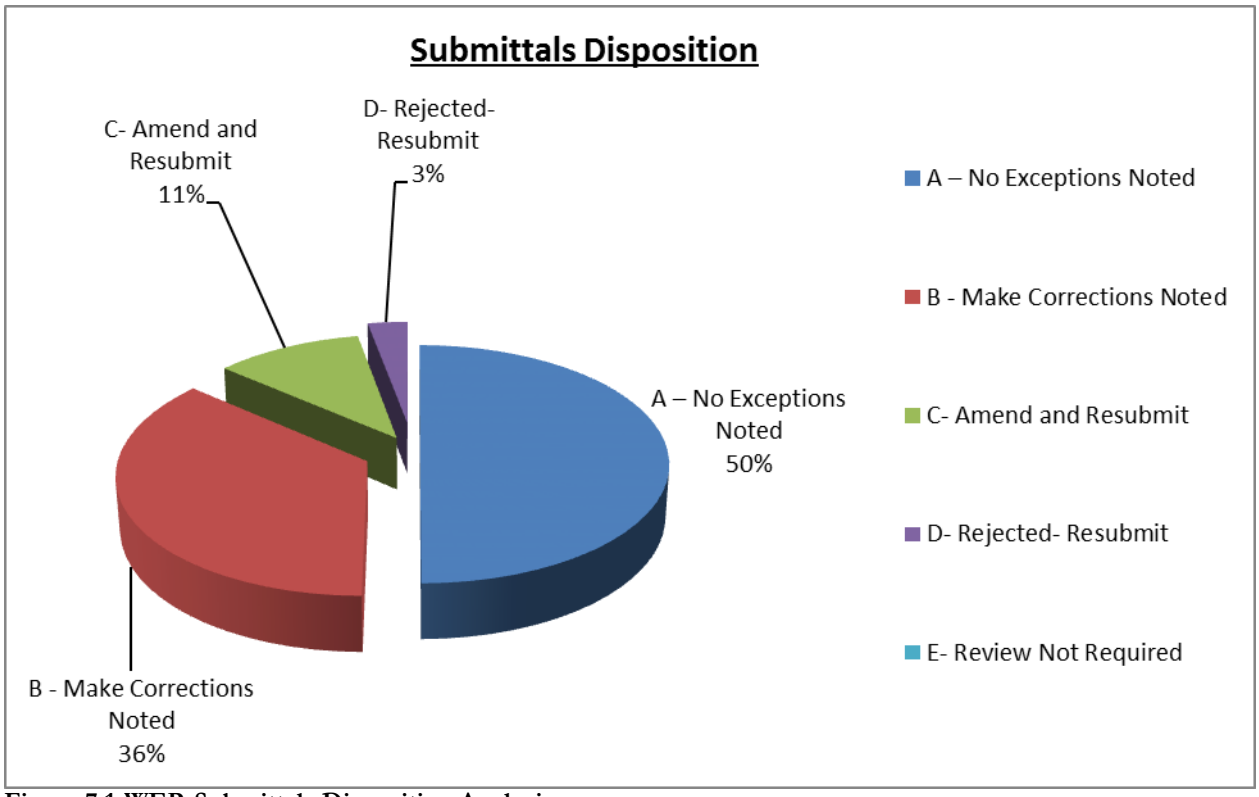

Figure 7.1-WER-Submittals Disposition Analysis

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

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

8.1 The following was achieved during the current reporting period:

- Retaining Wall:
  - Completed (95%) of backfilling behind retaining wall.
  - Continue concrete repair of the top of Retaining Wall from station 30+400 to station 140+200.
- Balance Tank:
  - Completed concrete casting of the Balance Tank elevated slab. By this activity, casting concrete of the entire Balance Tank is finished.
  - Completed preparation works and started concrete surface repair of Balance Tank external walls. This activity is still ongoing.
- Living Quarter:
  - Completed construction of the edge foundation and slab on grade.
  - Started formwork for the walls.
  - Finish installation of vent pipes for plumping system and drain pipe for the kitchen skin and the lavatory.
- Electrical Metering Building:
  - Completed construction of the edge foundation and trenches.
  - Completed single size backfill below the slab on grade

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- Started and finished installation of electrical conduits below the slab on grade.

- Chlorination Building:
  - Completed furnishing, leveling and compaction of base course layer for chlorination room edge footing.
- Construction submittals and shop drawings preparation and submission.

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

- Retaining Wall:
  - Complete backfilling behind retaining wall.
- Balance Tank:
  - Complete concrete surface repair of external walls and applying acrylic coats for external walls & roof slab.
  - Start and finish concrete surface repair of internal walls, conducting first stage testing and applying epoxy coats.
- Living Quarter:
  - Continue construction of walls, elevated slab and parapet including formwork, steel reinforcement and concrete casting.
- Electrical Metering Building:
  - Continue construction of slab on grade, walls, elevated slab and parapet.
- Chlorination Building:
  - Start formwork and steel reinforcement for chlorination room edge foundation and slab on grade.
- Electrical and Control Building:
  - Start construction of electrical and control building including excavations, subgrade and base course layering and compaction, formwork, steel reinforcement and electrical works for edge foundation and slab on grade.
- 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.

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10. Site Memos

No Site Memos were issued from the Engineer to the Contractor during the current reporting period. For further details, please see Attachment ARW 22.3- Site Memo Log.

11. Inspection Requests

During the current reporting period, 63 Inspection Requests were submitted to the Engineer including resubmitted inspections, 28 inspections for Arraba well, 30 for Sanur well and five under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

12. Test Reports

Seventeen testing reports had been conducted during the current reporting period; 14 for Arraba Well and 3 test reports 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	6			6
Base Course	2			2
Manhole Cover and Frame	1			1
Welding	1			1
Steel Reinforcement	2			2
Soil	1			1
Subgrade	2			2
Substrata	2			2
Total	17			17

Table 12.1- ARW QC Analysis Table

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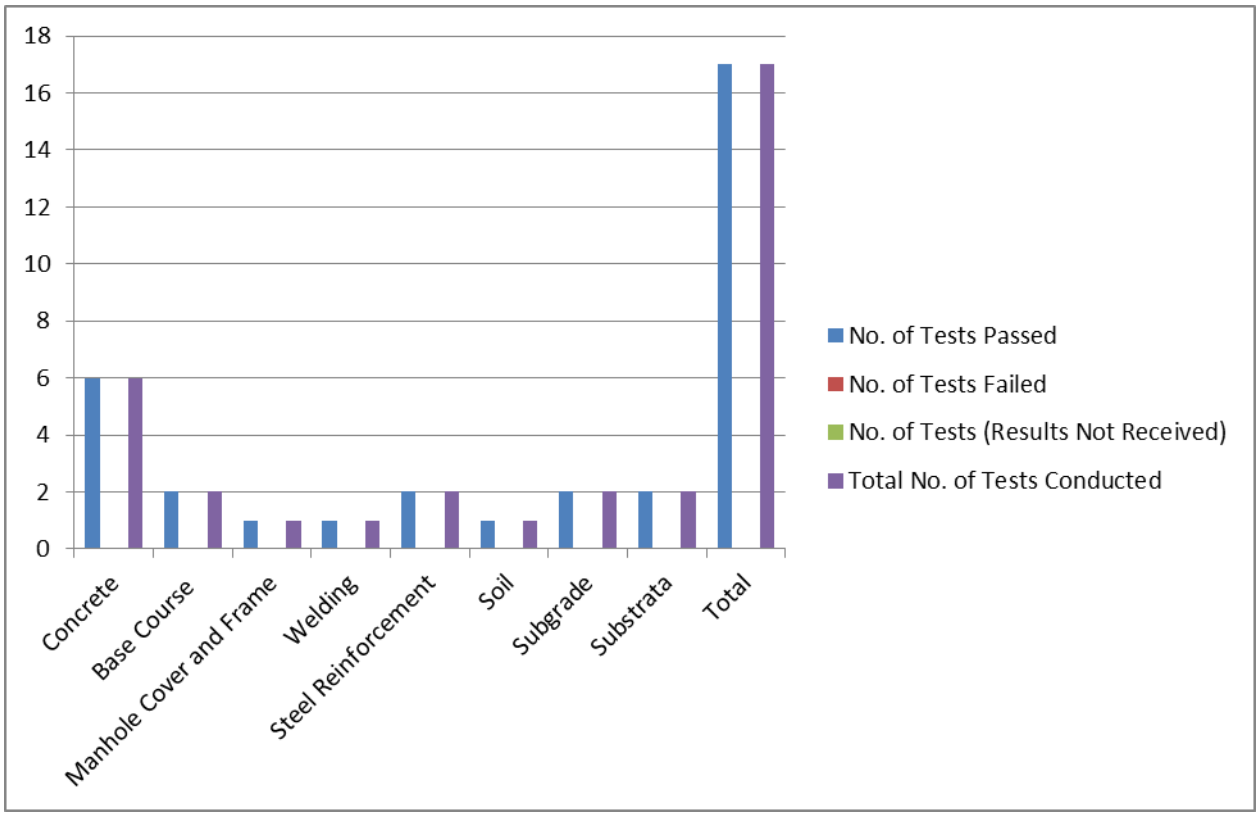

Figure 12.1- ARW QC Analysis Bar Chart

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

Arraba Well: Collecting samples of compacted substrata and soil confirmation under living quarter foundation

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Arraba Well: Collecting samples of reinforcement steel bars Ø12mm

Arraba Well: Collecting two samples of compaction soil under chlorination room edge footing

Arraba Well: Collecting one sample of compacted subgrade layer (base course), under living quarter edge footing.

Arraba Well: Visual inspection for water stop welding by manufacturer (FOSROC) representative-balance tank elevated slab

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Arraba Well: Collecting concrete samples and field tests for balance tank elevated slab.

Arraba Well: Collecting one sample of compacted base course layer subgrade layer living quarter.

Arraba Well: Collecting one sample of compacted subgrade layer under chlorination room.

Arraba Well: Collecting one sample of compacted base course layer for chlorination room edge footing

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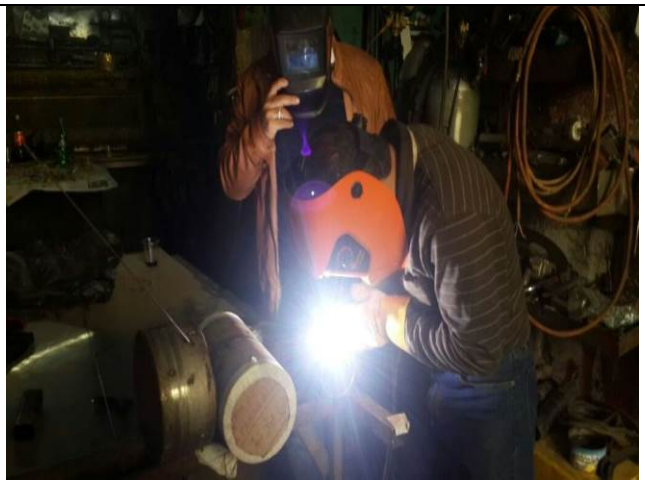
Task Order: Conducting Day-1 pre-submittal conference meeting with IC-Systems Co

Arraba Well: Collecting concrete samples and field tests for Living quarter and electrical metering building



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

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Arraba Well: Collecting concrete samples and field tests for Living Quarter slab on grade

13. Request for Information

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

14. Summary of Payments and Accrued Expenditures

IRD submitted its seventh payment under Task Order No. 13-00018 / INP II on December 31, 2014; comments were not received from the CMC yet. This payment covers the period from October 29, 2014 to December 31, 2014.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
7	Oct.29, 14	Dec.31, 14	170,310.73	962,624.22	1,132,934.95	Dec.31, 14	-	-

Table 14.1-ARW-Payment Summary

Accrued expenditures for Task Order 13-00018-ARW=
$1,383,288.78 - $1,132,934.95 =$250,353.83.

15. Variation Orders and Variation Order Requests

One Variation Order Request was submitted to CMC under WER but then retracted on December 29, 2014; 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

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17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk lays during excavation work and demobilization to hit or damage the underground utilities such as 10" pipe, and the buried electric cables	IRD-PM	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking during pumping process.
Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction.	IRD-PM	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.
Fall of personnel during construction of balancing tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars	IRD-PM	Holding safety toolbox meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings; maintain good housekeeping of the site in all times.
Fall of loose material during backfilling behind retaining wall and/or slipping of personnel and 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	Procurement of electrical equipment (control and instrumentation) might	IRD-PM	IRD and its subcontractor are working in parallel with Schneider from Israel on electrical equipment. On the other hand,

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Risk	Description	Responsible Party	Remedial Measures/Comments
electrical equipment	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.		huge efforts are made to accelerate submission process of the relevant submittals and to accelerate the manufacturing period as much as possible to save time.
Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	IRD-PM	-Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. - Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.

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

18. Summary of Working/Non-Working Days

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

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days	27 Calendar Days
6.	Accumulated Working Days	387 Calendar Days
7.	Total No. of non-working days(Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	53 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:

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The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new station.	120 cubic meter per hour = 2,880 m3 per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority , the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 285,477)	(4,252,438)m3/365 day/(285,477 capita) = 0.041 m3/capita /day = 41 L/Capita/Day
No. of Beneficiaries	2,880/0.041 = 70,244 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: 7179 person days (6670 males and 508 females)
- Employment generated this month: 701 person days (660 males & 41 females);
- Total cumulative employment generated to-date: 7879 person days (7330 males and 549 females).

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

No problems encountered during this reporting period.

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21. Construction Photos

Photo Date- 1st of December, 2014: Continue formwork for balance tank elevated slab.	**Photo Date- 1st of December, 2014**: start and finish spreading, leveling and compaction of subgrade for chlorination building footing.
Photo Date- 1st of December, 2014: Finish excavations for the living quarter edge footing.	**Photo Date- 2rd of December, 2014**: Starting reinforcement for balance tank elevated slab.
Photo Date- 3rd of December, 2014: Continue steel reinforcement and installation of water stop for balance tank elevated slab.	**Photo Date- 4th of December, 2014**: Finishing installation of water stop for balance tank elevated slab.

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Photo Date- 6th of December, 2014: Finishing formwork, steel reinforcement and electrical and mechanical works for balance tank elevated slab prior to concrete casting.

Photo Date- 7th of December, 2014:Start and finish concrete casting for balance tank elevated slab.

Photo Date- 7th of December, 2014: Start excavations and installation of electrical conduits for living quarter.

Photo Date- 8th of December, 2014: Balance tank elevated slab concrete surface finishing and curing.

Photo Date- 8th of December, 2014: Start and finish furnishing, leveling and compaction of base

Photo date- 9th of December, 2014: Start excavations and installation of electrical conduits

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course layer for chlorination room edge footing.	for electrical metering building.
Photo date- 9th of December, 2014: : Start and finish installation of underground plumping works for living quarter.	**Photo date- 10th of December, 2014:** Continue concrete curing for balance tank elevated slab.
Photo date- 10th of December, 2014: Finish excavations and installation of electrical conduits for electrical metering building.	**Photo date- 10th of December, 2014:** Continue backfilling behind retaining wall.
Photo date- 11th of December, 2014: Start and finish backfilling single size backfill over the electrical conduits for living quarter and electrical metering building.	**Photo date- 11th of December, 2014:** Concrete repair of the top of Retaining Wall from station 30+400 to station 140+200.

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Photo date- 12th of December, 2014: Continue concrete curing of the balance tank elevated slab.

Photo date- 13th of December, 2014:: Start formwork for electrical metering building foundation.

Photo date- 13th of December, 2014: Start and finish installation of vapor barrier for electrical metering building foundation.

Photo date- 13th of December, 2014: Start formwork for living quarter foundation.

Photo date- 15th of December, 2014: Conducting Day-1 conference by IC-Systems (electrical equipment supplier).

Photo date- 15th of December, 2014: Continue formwork and start steel reinforcement for electrical metering building foundation.

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Photo date- 15th of December, 2014: Continue formwork for living quarter foundation.	**Photo date- 15th of December, 2014:** Start scaffolding preparations to conduct balance tank external walls repair.
Photo date- 16th of December, 2014: Continue formwork and steel reinforcement for electrical metering foundation.	**Photo date- 16th of December, 2014:** Continue formwork and start steel reinforcement for electrical metering building foundation.
Photo date- 16th of December, 2014: Continue scaffolding preparations to conduct balance tank external walls repair.	**Photo date- 16th of December, 2014:** Start and finish installing of electrical conduits and earthing system below slab on grade for electrical metering building edge.
Photo date- 17th of December, 2014: Finishing formwork and steel reinforcement for electrical metering building and living quarter foundations.	

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Photo Date- 18th of December, 2014: Start and finish casting concrete for electrical metering building edge foundation and trenches.

Photo Date- 18th of December, 2014: Start and finish casting concrete for living quarter edge foundation.

Photo Date- 18th of December, 2014: Finish preparation to repair the surface of external wall for balance tank.

Photo Date- 19th of December, 2014: Concrete curing of electrical metering and living quarter buildings.

Photo Date- 20th of December, 2014: Start and finish removing formwork for electrical metering building edge foundation and trenches.

Photo Date- 20th of December, 2014: Continue curing concrete for living quarter edge foundation.

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Photo Date- 21st of December, 2014: Start formwork for slab on grade and trenches for electrical metering building.

Photo Date- 21st of December, 2014: Start and finish applying 1st and 2nd coats of Nito-Proof-30 for internal side of the trenches of electrical metering building.

Photo Date- 21st of December, 2014: Start concrete surface repair of the external walls of the Balance Tank.

Photo Date- 22nd of December, 2014: Start layering single size backfill below the slab on grade for electrical metering building.

Photo Date- 22nd of December, 2014: Start preparations of confined space safety plan requirements.

Photo Date- 23rd of December, 2014: Finish layering single size aggregates below the Electrical Metering building slab on grade.

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Photo Date- 23rd of December, 2014: Start and finish installation of electrical conduits below the Electrical Metering building slab on grade.

Photo date- 23rd of December, 2014: Start and finish layering the single size aggregates below the Living Quarter building slab on grade.

Photo date- 24th of December, 2014: : Continue concrete surface repair of the Balance Tank external walls.

Photo date- 25th of December, 2014: Continue concrete surface repair of the external walls of the Balance Tank.

Photo date- 25th of December, 2014: Start formwork de-shuttering for Balance Tank elevated slab.

Photo date- 27th of December, 2014: Start formwork and steel reinforcement for Living Quarter slab on grade.

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Photo Date- 27th of December, 2014: Finish formwork de-shuttering for Balance Tank elevated slab.

Photo date- 28th of December, 2014: Finish formwork and steel reinforcement for Living Quarter slab on grade.

Photo date- 29th of December, 2014: : Start and finish casting concrete for Living Quarter slab on grade.

Photo date- 29th of December, 2014: Continue concrete surface repair of the external walls of the Balance Tank.

Photo date- 30th of December, 2014: Start formwork for Living Quarter walls.

Photo date- 30th of December, 2014: Continue concrete surface repair of the external walls of the Balance Tank.

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Photo Date- 30th of December, 2014: Start and finish installing vent pipes for Living Quarter plumping system and drain pipe for the kitchen skin and the lavatory.	**Photo date- 30th of December, 2014:** Resuming backfilling behind the retaining wall.
Photo date- 31st of December, 2014: : Continue formwork for Living Quarter walls.	**Photo date- 31st of December, 2014:** Continue backfilling behind the retaining wall.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

December 01- December 31, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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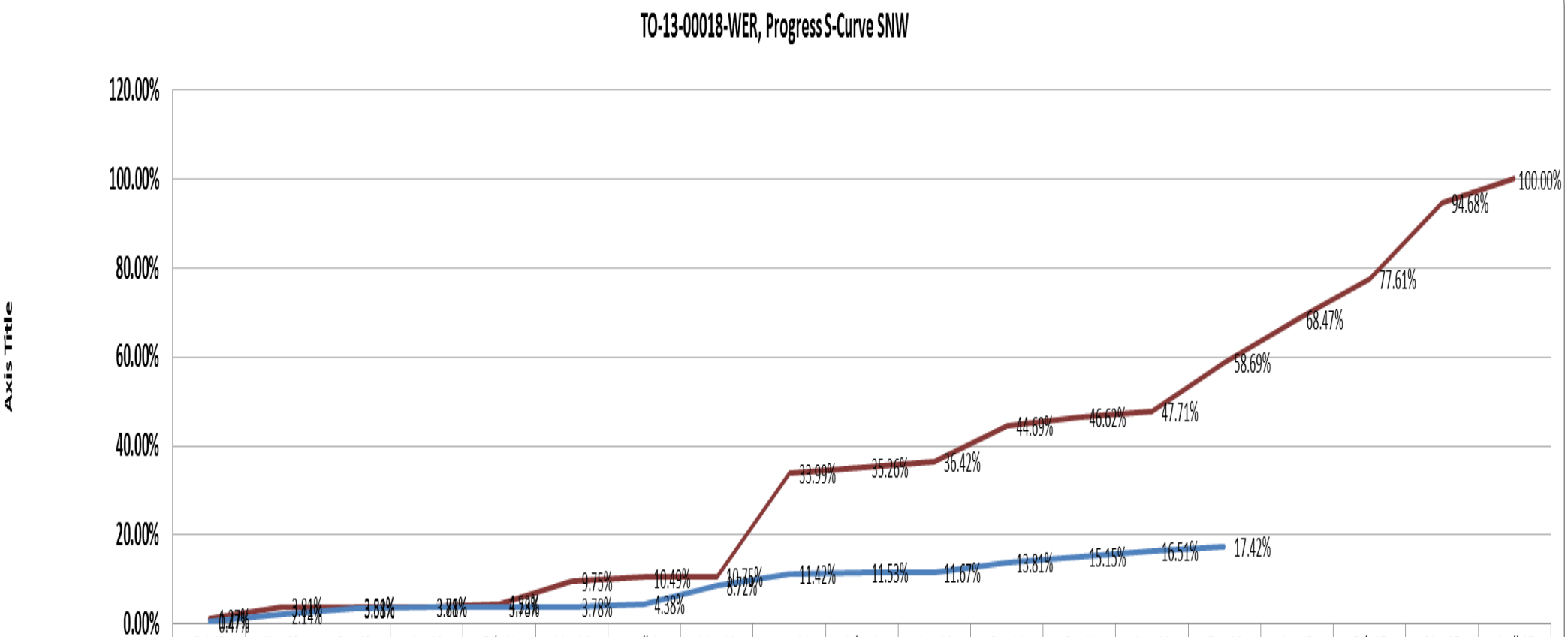
1. Sanur Well (SNW) Dashboard Status



	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
% 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%
%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%	16.51%	17.42%				

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2. Public Relation and Outreach

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

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

3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO_2).

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: Four toolbox meetings were conducted during the month of December 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 December 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

Safety Conclusion:

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

Safety Photos

Safety toolbox meeting-SNW

Steel scaffolding for repair work for external walls of the balance tank under construction-SNW

Safe steel scaffolding -SNW

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Plastic caps for steel bars-SNW

Flagman to control the equipment movement-SNW

Prepare a safe access to enter the balance tank-SNW

PPE's for visitors-SNW

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Checking the oxygen percentage inside the balance tank before starting work-SNW

Checking the ventilation system before working inside the balance tank-SNW

Checking the lighting system inside the balance tank-SNW

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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	58.69%
Actual percentage complete	17.42%
Elapsed Time	75.39%

Table 6.1-SNW-Progress Summary Table

Project Overall Status: The above percentages are based on the submitted revised CPM schedule. The percentages shown above demonstrate that the project is still behind the schedule with 13-calendar day's negative float due to electrical issue and procurement of electrical equipment. However, basic electrical submittals and supplementary data to those submittals were provided to the engineer.
The contractor is working closely and intensively with the Sub and with the Engineer to accelerate finalizing this issue. An updated recovery plan will be submitted at the beginning of January 2015 reflecting how the contractor will capture -as much as he could- the encountered delays.

During the current reporting period, pumping to communities as per contract is continued with the existing VLST pump. On December 30, 2014, the control panel was malfunctioning and well pump stopped for several hours until conducting necessary repair then pumping to communities is resumed.

Construction of the entire balance tank in terms of concrete casting is completed, and repair of concrete surface of external walls is still ongoing. Repair of internal walls will start soon after implementation of all requirements of the approved confined space safety plan. Construction of Living Quarter walls, elevated slab and roof parapet is completed. Construction of the edge foundation and single size backfill below the slab on grade for electrical metering building is also completed, the contractor started and finished trenches and slab on grade formwork and steel reinforcement. Besides, the contractor finished excavation works, spreading and compaction of subgrade and base course layers for Electrical and Control building foundation.

As for the fence wall, construction of the foundation for section BC from Station 0+016 to Station 0+068 is completed and construction of fence wall for sections AB and BC from Station 0+000 to Station 0+068 is also completed. Well pump and booster pumps are in the manufacturing phase and progress in this regard is according to the planned schedule.
For further details regarding the project progress, please see Attachment SNW 22.1-Updated Schedule Roll Up.

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7. Submittal Status

During the current reporting period 122 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 56 submittals for WER, 33 submittals for ARW and 33 submittals for SNW. Review comments were received for 102 of them, 16 submittals are still waiting engineer's response and four 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	51
B - Make Corrections Noted	37
C- Amend and Resubmit	11
D- Rejected- Resubmit	3
E- Review Not Required	0
Retracted submittals	4
Total submittals delivered	122
Total submittals reviewed	102
Submittals delivered not reviewed	16

Table 7.2-WER-Submittal Disposition

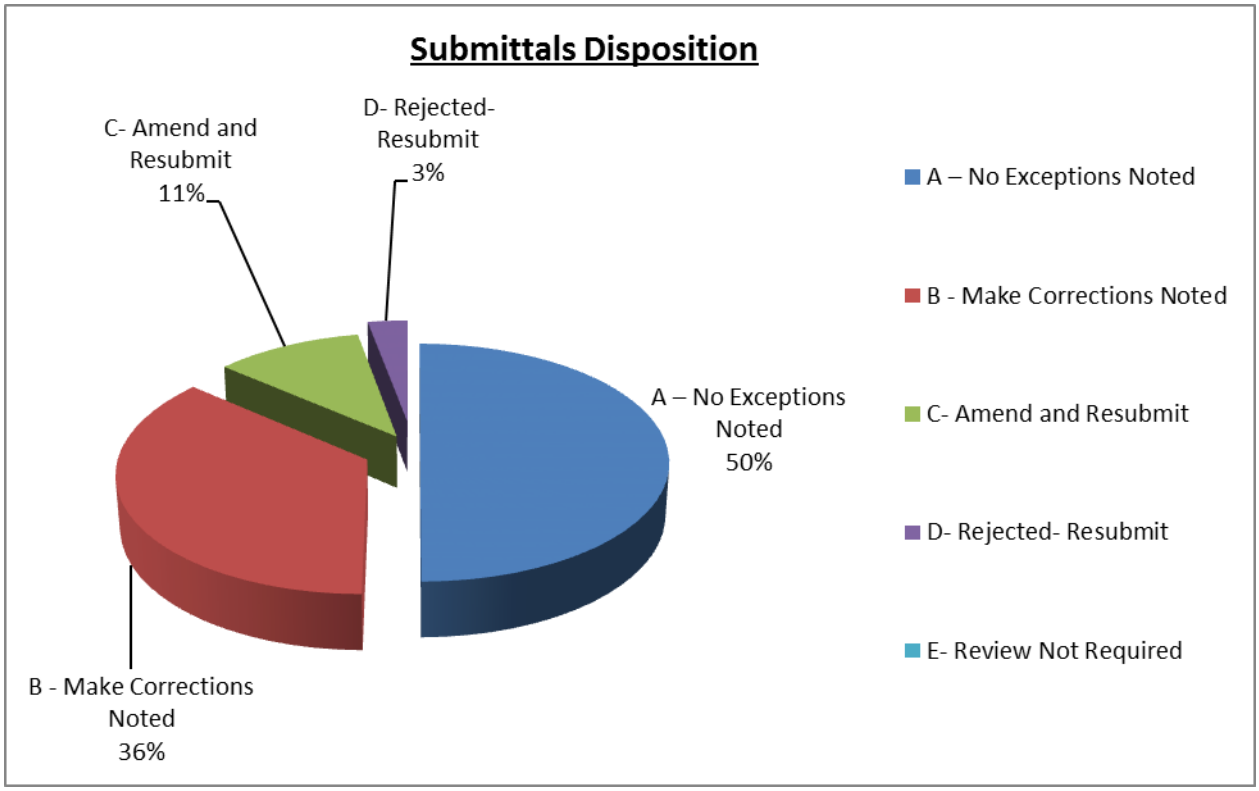

Figure 7.1-WER-Submittals Disposition Analysis

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

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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.
- Balance Tank:
  - Completed concrete casting of the Balance Tank elevated slab. By this activity, casting concrete of the entire Balance Tank is finished.
  - Completed preparation works and started and finished concrete surface repair of Balance Tank external walls(pending Engineer approval).
- Living Quarter:
  - Completed construction of internal and external walls, elevated slab and roof parapet.
- Electrical Metering building:
  - Completed construction of the edge foundation.
  - Completed single size backfill below the slab on grade
  - Started and finished trenches and slab on grade formwork and steel reinforcement.
- Electrical and Control building:
  - Finished excavation works, spreading and compaction of subgrade and base course layers.
- Fence Wall:
  - Completed construction of fence wall foundation for section BC from Station 0+016 to Station 0+068.
  - Completed construction of fence wall for sections AB and BC from Station 0+000 to Station 0+068.
- Construction submittals and shop drawings preparation and submission.

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

- Balance Tank:
  - Applying acrylic coats for external walls & roof slab.
  - Start and finish concrete surface repair of internal walls, conducting first stage testing and applying epoxy coats.
- Living Quarter:
  - Construction of CMU walls & veneer.
  - Furnish & install interior & exterior plaster & water tight.
  - Furnish & install floor tiles & base materials.
- Electrical Metering Building:

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- Continue construction of slab on grade, walls, elevated slab and parapet.

- Chlorination Building:
  - Start formwork and steel reinforcement for edge foundation, slab on grade and walls.
  - Casting concrete for edge foundation, slab on grade and walls.
- Electrical and Control Building:
  - Start formwork and steel reinforcement for edge foundation, slab on grade and walls.
  - Casting concrete for edge foundation, slab on grade and walls.
- 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

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

11. Inspection Requests

During the current reporting period, 63 Inspection Requests were submitted to the Engineer including resubmitted inspections, 28 inspections for Arraba well, 30 for Sanur well and five under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

12. Test Reports

Nineteen testing reports had been conducted during the current reporting period; seventeen for Sanur Well and three test reports 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	9			9
Soil	1			1
Subgrade	3			3
Base Course	2			2

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Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Welding	1			1
Manhole Cover and Frame	1			1
Steel Reinforcement	2			2
Total	19			19

Table 12.1- SNW QC Analysis Table

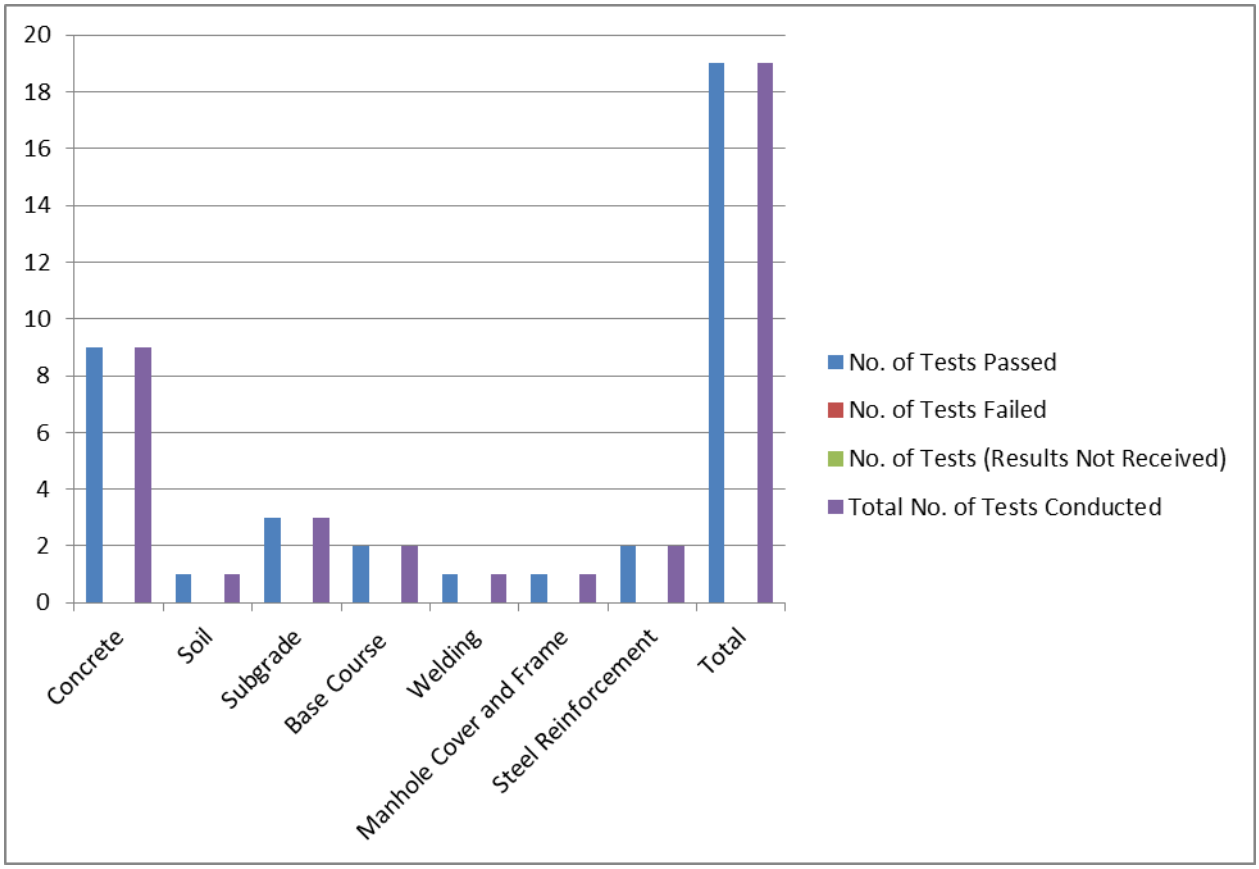

Figure 12.1-SNW QC Analysis Bar Chart

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

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Sanur Well: Collecting concrete samples and field tests for balance tank elevated slab

Task Order: Conducting Day-1 pre-submittal conference meeting with IC-Systems Co

Sanur Well: Collecting concrete samples and field tests for Living quarter, electrical metering building and fence wall section AB

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Sanur Well: Collecting compacted base course samples under electrical control building

Sanur Well: Collecting compacted base course samples under fence wall foundation, section BC from St. 0+016 to St. 0+044

Sanur Well: Collecting concrete samples and field tests for fence wall footing section BC from station 0+016 to 0+068

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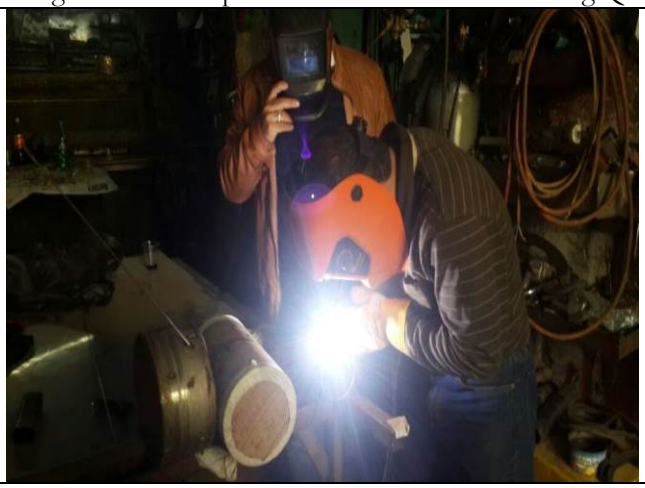
Sanur Well: FOSROC representative inspected the mockup of external Balance Tank. walls finishing

Sanur Well: Collecting concrete samples and field tests for the Living Quarter elevated slab



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

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Sanur Well: Collecting samples of the compacted base course for the Electrical Control building foundation

Sanur Well: Collecting concrete samples and field tests for fence wall section BC from station 0+016 to 0+068

Sanur Well: Collecting concrete samples and field tests for fence wall section BC from station 0+016 to 0+068 and Living Quarter parapet

13. Request for Information

Eight requests for information were submitted to the Engineer under TO-18-WER; three were reviewed by the CMC, two were retracted and three are 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 seventh payment under Task Order No. 13-00018 / INP II on December 31, 2014; comments were not received from the CMC yet. This payment covers the period from October 29, 2014 to December 31, 2014.

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

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Payment No.	Period of Performance	Quantity	Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
7	Oct.29, 14	Dec.31, 14	192,680.59	740,396.15	933,076.74	Dec.31, 14	-	-

Table 14.1-SNW-Payment Summary

Accrued expenditures for Task Order 13-00018-SNW=
$1,243,662.36 - $933,076.74 =$310,585.62.

15. Variation Orders and Variation Order Requests

One Variation Order Request was submitted to CMC under WER but then retracted on December 29, 2014; 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.

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 lies 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

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Risk	Description	Responsible Party	Remedial Measures/Comments
			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.
Working in confined space (balance tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc. which could harm repair staff.	IRD-PM	-Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. - Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.

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

18. Summary of Working/Non-Working Days

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

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	27 CD
3.	Modified Period of Performance	577 Calendar Days
4.	Modified Completion Date	May 22, 2015
5.	No. of Working Days	27 Calendar Days
6.	Accumulated Working Days	379 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	52 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

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19. Project Indicators

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

Target Value for Project 2:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new station.	150 cubic meter per hour = 3,600 m3 per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority , the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 285,477)	(4,252,438)m3/365 day /(285,477 capita) = 0.041 m3/capita /day = 41 L/Capita/Day
No. of Beneficiaries	3,600/0.041 = 87,805 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: 5681 person days (5173.25 males & 507.38 females);
- Employment generated this month: 710 person days (670 males & 40 females);
- Total cumulative employment generated to-date: 6391 person days (5843.25 males & 547.38 females).

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

No problems encountered during this reporting period.

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21. Construction Photos

Photo Date- 1st of December, 2014: Continue formwork for balance tank elevated slab.	**Photo Date- 2nd of December, 2014**: Start installation of electrical box and PVC pipes for power and lighting of living quarter building.
Photo Date- 3rd of December, 2014: Continue formwork for balance tank elevated slab.	**Photo Date- 4th of December, 2014**: Starting steel reinforcement for balance tank elevated slab.
Photo Date- 4th of December, 2014: Starting installation of water stop for balance tank elevated slab.	**Photo Date- 6th of December, 2014**: Continue steel reinforcement for balance tank elevated slab.

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Photo Date- 6th of December, 2014: Starting installation of mechanical thimbles and electrical conduits for balance tank elevated slab.

Photo Date- 7th of December, 2014:Finishing installation of electrical conduits (control and instrumentation) and mechanical thimbles (steel 4", 6" and 6" Stainless-steel) for balance tank elevated slab.

Photo Date- 8th of December, 2014: Start and finish concrete casting for balance tank elevated slab.

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Photo Date- 8th of December, 2014: Concrete surface finishing of the balance tank elevated slab.	**Photo date- 9th of December, 2014:** Start concrete curing of balance tank elevated slab.
Photo date- 9th of December: Start formwork and steel reinforcement for electrical metering building foundation.	**Photo date- 9th of December, 2014:** Resuming excavations for the electrical control building.
Photo date- 10th of December, 2014: Surveying works for the electrical metering building.	**Photo date- 10th of December, 2014:** Finished installation of air conditioning system pipes for living quarter.

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Photo date- 11th of December, 2014: Finish formwork and steel reinforcement for the electrical metering building foundation.	**Photo date- 11th of December, 2014:** Start furnishing, leveling and compaction of base course layer for electrical control building.
Photo date- 11th of December, 2014: Continue formwork for living quarter walls.	**Photo date- 12th of December, 2014::** Continue curing concrete for balance tank elevated slab.
Photo date- 13th of December, 2014: Start form work for fence wall (segment AB).	**Photo date- 13th of December, 2014:** Start scaffolding preparations to conduct balance tank external walls repair.

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Photo date- 15th of December, 2014: Start and finish casting concrete for electrical metering building foundation.	**Photo date- 15th of December, 2014:** Start and finish casting concrete for living quarter walls.
Photo date- 15th of December, 2014: Start and finish casting concrete for fence wall (segment AB).	**Photo date- 15th of December, 2014:** Start performing concrete tie rods filling and repair for balance tank external walls.
Photo date- 16th of December, 2014: Cleaning of dowels for electrical metering building.	**Photo date- 16th of December, 2014:** De-shuttering of fence wall, segment AB from station 0+000 to 0+016.

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Photo date- 16th of December, 2014: Start excavations for fence wall section BC from station 0+016 to station 0+044.

Photo date- 17th of December, 2014: De-shuttering of living quarter.

Photo date- 17th of December, 2014: Start spreading and compacting base course layer under electrical & control room foundation.

Photo date- 17th of December, 2014: Start spreading and compacting base course under fence wall section BC from St. 0+016 to St. 0+044.

Photo Date- 18th of December, 2014: Continue curing concrete for the Living Quarter walls

Photo date- 18th of December, 2014: Continue concrete repair of Balance Tank external walls.

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Photo date- 19th of December, 2014: : Concrete curing of living quarter walls and electrical metering building edge foundation.

Photo date- 20th of December, 2014: Continue formwork and start steel reinforcement for living quarter elevated slab.

Photo date- 20th of December, 2014: Continue concrete repair of the external walls of the Balance Tank.

Photo Date- 21st of December, 2014: Start formwork for slab on grade and trenches of the electrical metering building.

Photo Date- 21st of December, 2014: Continue concrete surface repair of the external walls of the Balance Tank.

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Photo date- 21st of December, 2014: : Start formwork and steel reinforcement for fence wall foundation section BC from station 0+044 to 0+068.

Photo date- 22nd of December, 2014: Finish formwork and start steel reinforcement for slab on grade and trenches of electrical metering building.

Photo date- 22nd of December, 2014: Finish formwork and steel reinforcement for fence wall foundation section BC from station 0+044 to 0+068.

Photo date- 22nd of December, 2014: Continue repair work for the external walls concrete surface of the Balance Tank.

Photo date- 22nd of December, 2014: Start preparations of confined space safety plan requirements.

Photo date- 23rd of December, 2014: Continue formwork and start steel reinforcement for slab on grade and trenches for the Electrical Metering

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	building.
Photo date- 23rd of December, 2014: : Start and finish casting concrete for fence wall footing section BC from station 0+016 to 0+068.	**Photo date- 24th of December, 2014:** Continue concrete surface repair for Balance Tank external walls.
Photo date- 24th of December, 2014: Start and finish removing formwork for fence wall footing section BC from station 0+016 to 0+068.	**Photo date- 24th of December, 2014:** Start and finish casting concrete for the Living Quarter elevated slab.
Photo date- 25th of December, 2014: Start and finish applying 1st coat of Nito-Proof 30 for fence wall footing section BC from station 0+016 to 0+068.	**Photo date- 25th of December, 2014:** Start curing concrete for the Living Quarter elevated slab.

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Photo date- 27th of December, 2014: : Start formwork for fence wall section BC from station 0+016 to 0+068.

Photo date- 27th of December, 2014: Continue concrete surface repair for Balance Tank external walls.

Photo date- 29th of December, 2014: Continue formwork for fence wall section BC from station 0+016 to 0+068.

Photo date- 29th of December, 2014: Start Living Quarter parapet formwork and steel reinforcement.

Photo date- 30th of December, 2014: Finish formwork for fence wall section BC from station 0+016 to 0+068.

Photo date- 30th of December, 2014: Start and finish casting concrete for fence wall section BC from station 0+016 to 0+068 (part one).

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Photo date- 31st of December, 2014: Start and finish casting concrete for fence wall section BC from station 0+016 to 0+068 (part two).	**Photo date- 31st of December, 2014:** Start and finish casting concrete for Living Quarter parapet.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

December 01- December 31, 2014

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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1. Progress and Scheduling

The following table provides a summary of the project progress status

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

Table 2.1-SDW-Progress Summary Table

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

2. Project Indicators

2.1 Indicator #1: Zero beneficiaries

2.2 Indicator #2: Person days of Employment Generated

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

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

DISCLAIMER:

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

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FROM THE AMERICAN PEOPLE

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: December 01- December 31, 2014

WELLS REHABILITATION PROJECT-WER

January 05, 2015

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

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period:

December 01- December 31, 2014

PROJECT 1-ARABA WELL PUMP STATION-ARW

Attachments

1. Attachments

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

DISCLAIMER:

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

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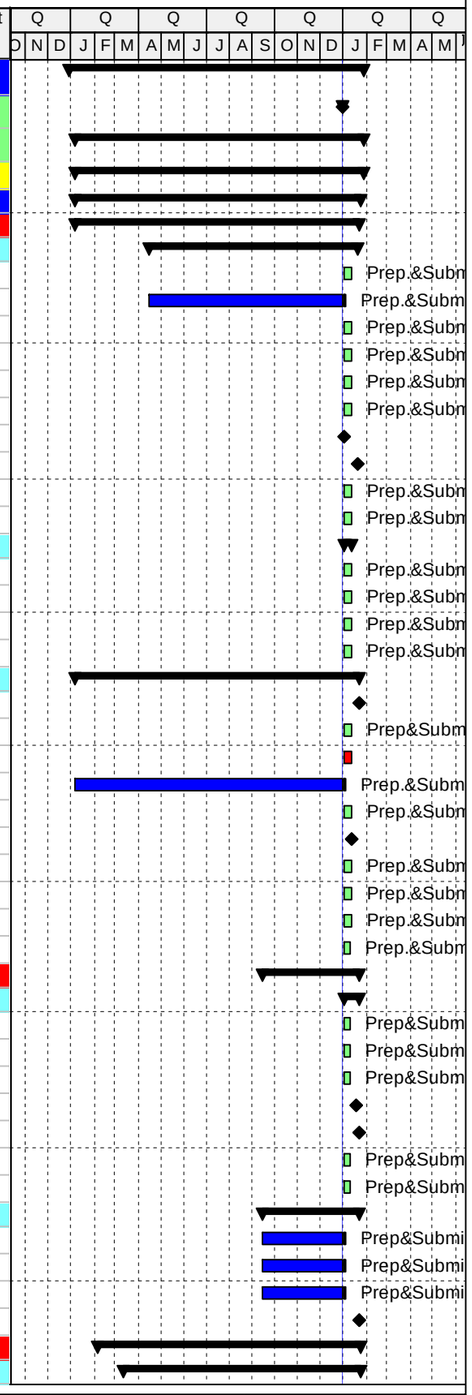
RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

One Month Lookahead

01-Jan-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS							
Milestones							
Submittals							
Construction Submittals							
Material Submittals							
Civil							
Building Works							
CS690	Prep.&Submit Rough&Finish Carpentary - Product Data	7	03-Jan-15	12-Jan-15			29
CS760	Prep.&Submit Sealants Caulking & Grout- Product Data & Sample	7	03-Jan-15	03-Jan-15	16-Apr-14		47
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	03-Jan-15	12-Jan-15			29
CS780	Prep.&Submit Flush Wood Doors - Sample	7	03-Jan-15	12-Jan-15			29
CS810	Prep.&Submit Coiling Doors & Grilles - Sample & Product Data	7	03-Jan-15	12-Jan-15			28
CS820	Prep.&Submit Aluminum Windows - Sample	7	03-Jan-15	12-Jan-15			15
CS895	Approval of Plastering Accessories - Sample	0		03-Jan-15			38
CS915	Approval of Terrazzo Tiles - Sample & Product Data	0		19-Jan-15			50
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	03-Jan-15	12-Jan-15			29
CS982	Prep.&Submit Toilet Accessories - Sample & Product Data	7	03-Jan-15	12-Jan-15			29
Roads Works							
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	03-Jan-15	12-Jan-15			40
CS460	Prep.&Submit MC Prime Coat - Data Sheet	7	03-Jan-15	12-Jan-15			40
CS470	Prep.&Submit Asphalt Core Test	7	03-Jan-15	12-Jan-15			40
CS740	Prep.&Submit Road Accessories - Product Data & Sample	7	03-Jan-15	12-Jan-15			47
Miscellaneous							
CS485	Approval of Manhole Cover, Frame and Steps - Product Data	0		21-Jan-15			51
CS486	Prep&Submit Gates - Sample	7	03-Jan-15	12-Jan-15			92
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	03-Jan-15	12-Jan-15			-3
CS600	Prep.&Submit Anchors&Alaminum Roaf Hatches- Data Sheets&Certificates	7	03-Jan-15	03-Jan-15	06-Jan-14		34
CS610	Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample	7	03-Jan-15	12-Jan-15			28
CS705	Approval of PVC Memprane Roofing - Sample&Product Data	0		11-Jan-15			52
CS860	Prep.&Submit Finish & Hardware Product - Sample & Product Data	7	03-Jan-15	12-Jan-15			15
CS970	Prep.&Submit Lockers - Sample & Product Data	7	03-Jan-15	12-Jan-15			30
CS975	Prep.&Submit Storage Shelving - Sample	7	03-Jan-15	12-Jan-15			1
CS996	Prep.&Submit Toilet Accessories - Sample & Product Data	5	03-Jan-15	10-Jan-15			31
Mechanical							
Local Manufacturer							
CS341	Prep&Submit Copper Pipes - Product Data	5	03-Jan-15	10-Jan-15			94
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	03-Jan-15	10-Jan-15			94
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	03-Jan-15	10-Jan-15			94
CS577	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Product Data/Test Reports	0		18-Jan-15			-11
CS667	Approval of Heat,Ventilation&Air Conditioning Equipment - Product Data	0		21-Jan-15			111
CS677	Prep&Submit Chlorination System Pumps,Tanks,Drums,Injectors,Hose Pips.	5	03-Jan-15	10-Jan-15			33
CS688	Prep&Submit KItchen Equipment - Product Data	5	03-Jan-15	10-Jan-15			31
Abroad Manufacturer (Long Lead Items)							
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	03-Jan-15	03-Jan-15	15-Sep-14		37
CS291	Prep&Submit Horizantal Louver Blinds - Sample	5	03-Jan-15	03-Jan-15	15-Sep-14		27
CS311	Prep&Submit Polyethylene Tank - Product Data	5	03-Jan-15	03-Jan-15	15-Sep-14		-20
CS547	Approval of Air Conditioning Units&Accessories	0		21-Jan-15			111
Electrical							
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)							

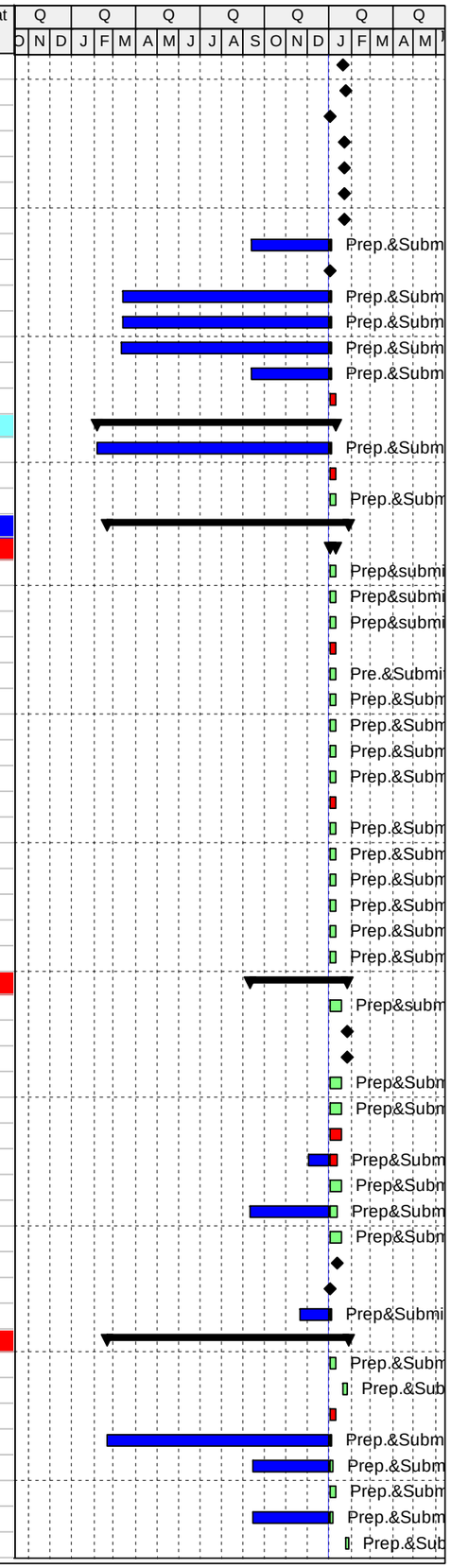


(New Bar) Summary
Actual Work
Remaining Work
Critical Remaining Work
Milestone

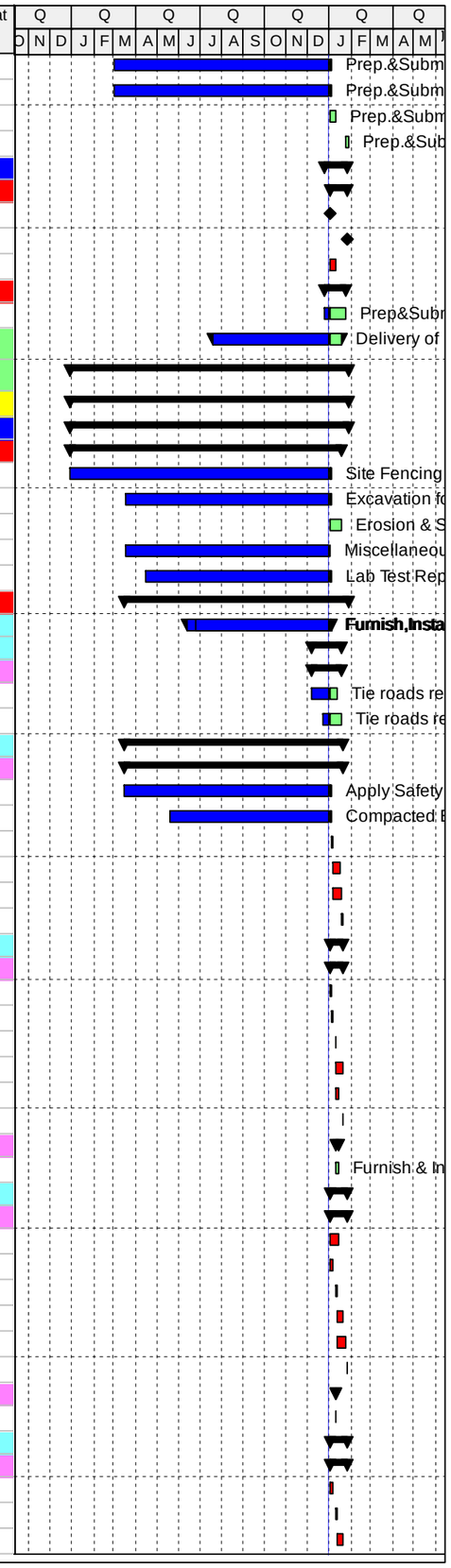
IRD International Relief & Development

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

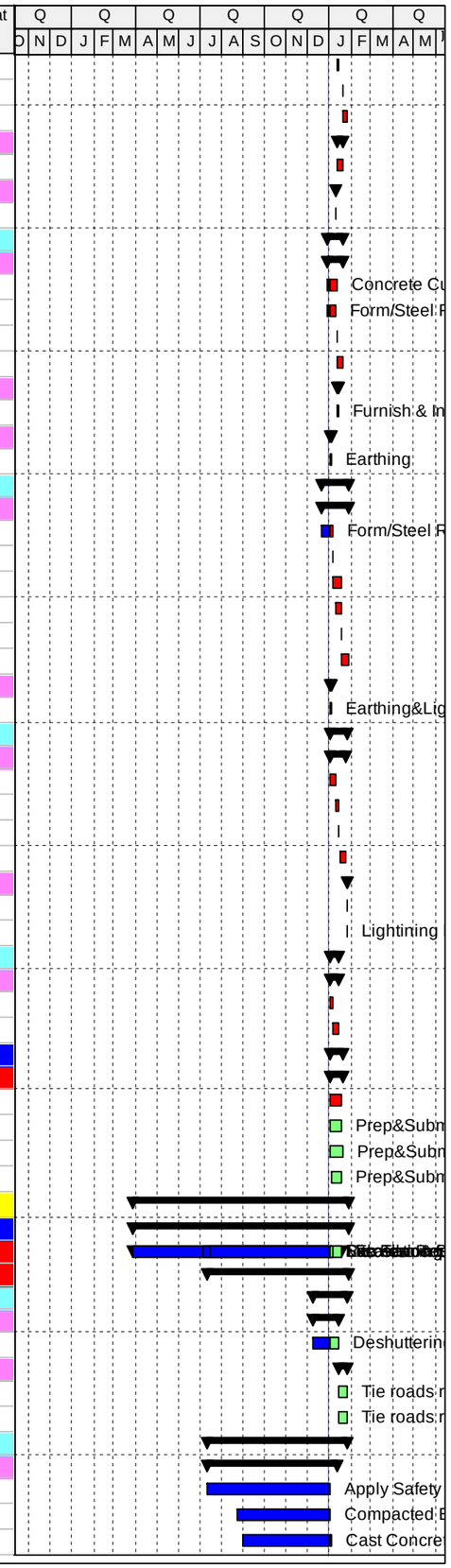
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
CS1155	Approval of Padmounted Transformers - Product Data (Akram Salah)	0		20-Jan-15			-31
CS1175	Approval of Variable Frequency Drive Units 400V - Product Data	0		25-Jan-15			-36
CS1195	Approval of Electric Motors - Product Data	0		03-Jan-15			-7
CS1225	Approval of Low Voltage Motor Control Center - Product Data	0		21-Jan-15			-21
CS1235	Approval of Local Control Stations and Miscellaneous Electrical Devices - Product Data	0		21-Jan-15			5
CS1275	Approval of Process Control&Instrumentation System - Product Data	0		21-Jan-15			-5
CS1285	Approval of PLC-Based Control Systems Hardware&Software - Product Data	0		21-Jan-15			-5
CS1290	Prep.&Submit In-Line Flow Measuring Systems - Product Data	5	03-Jan-15	03-Jan-15	12-Sep-14		-18
CS1305	Approval of Liquid Flow Detection Devices - Product Data	0		03-Jan-15			9
CS1310	Prep.&Submit Level Measuring System - Product Data&Certificates	5	03-Jan-15	03-Jan-15	15-Mar-14		-18
CS1320	Prep.&Submit Level Detection Switches - Product Data&Certificates	5	03-Jan-15	03-Jan-15	15-Mar-14		99
CS1330	Prep.&Submit Pressure Measuring System - Product Data&Certificates	5	03-Jan-15	03-Jan-15	13-Mar-14		99
CS1350	Prep.&Submit Analyzer Measuring Systems - Product Data&Certificates	5	03-Jan-15	03-Jan-15	12-Sep-14		1
CS1360	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates	5	03-Jan-15	10-Jan-15			0
Local Manufacturer							
CS1130	Prep.&Submit Wire,Cable&Wiring Devices - Product Data	5	03-Jan-15	03-Jan-15	06-Feb-14		-10
CS1210	Prep.&Submit Panels Boards - Product Data	5	03-Jan-15	10-Jan-15			-2
CS1250	Prep.&Submit Lightning Protection System - Product Data	5	03-Jan-15	10-Jan-15			22
Shop Drawings							
Civil							
CS334	Prep&submit Civil Shop Drawing for Chambers&Structural Elemments Detailed Reinforcement - Arrab	5	03-Jan-15	10-Jan-15			13
CS430	Prep&submit Trench Section Details Shop Drawing	5	03-Jan-15	10-Jan-15			34
CS454	Prep&submit Asphalt Arrabeh Entrance Roads Shop Drawing	5	03-Jan-15	10-Jan-15			12
CS625	Prep.&Submit Civil Shop Drawing for Yard Works-Sanour	5	03-Jan-15	10-Jan-15			-8
CS640	Pre.&Submit Members&Connections, Anchor Bolts Layout	5	03-Jan-15	10-Jan-15			2
CS660	Prep.&Submit Aluminum Hatches & Railing Shop Drawings	5	03-Jan-15	10-Jan-15			13
CS670	Prep.&Submit Internal&External Ladders Shop Drawings	5	03-Jan-15	10-Jan-15			30
CS680	Prep.&Submit Rough&Finish Carpentary Shop Drawings	5	03-Jan-15	10-Jan-15			32
CS710	Prep.&Submit PVC Memprane Roofing Shop Drawings	5	03-Jan-15	10-Jan-15			34
CS730	Prep.&Submit Flashing & Sheet Metal Shop Drawing	5	03-Jan-15	10-Jan-15			-17
CS750	Prep.&Submit Road Accessories - Shop Drawing	5	03-Jan-15	10-Jan-15			42
CS790	Prep.&Submit Steel Doors & Frames - Shop Drawing	5	03-Jan-15	10-Jan-15			32
CS800	Prep.&Submit Flush Wood Doors - Shop Drawing	5	03-Jan-15	10-Jan-15			37
CS840	Prep.&Submit Aluminum Windows - Shop Drawing	5	03-Jan-15	10-Jan-15			17
CS880	Prep.&Submit Terrazzo Tiles - Shop Drawing	5	03-Jan-15	10-Jan-15			31
CS920	Prep.&Submit Ceramic Tiles - Shop Drawing	5	03-Jan-15	10-Jan-15			31
Mechanical							
CS340	Prep&submit Mechanical Shop Drawing for Chambers	10	03-Jan-15	17-Jan-15			8
CS355	Approval of Vertical Turbine Deep Pump - (Arrabeh&Sanour)- Shop Drawing	0		27-Jan-15			40
CS376	Approval of Turbine Booster Pump - Shop Drawing	0		27-Jan-15			35
CS381	Prep&Submit Submersible Sump Pump - Shop Drawing	10	03-Jan-15	17-Jan-15			22
CS441	Prep&Submit Horizantal Louver Blinds - Shop Drawing	10	03-Jan-15	17-Jan-15			22
CS451	Prep&Submit Surge Control Bladder Tank - Shop Drawing	10	03-Jan-15	17-Jan-15			-19
CS491	Prep&Submit Steel Pipes,Specials,Fittings&Pipes Supports - Shop Drawing	10	03-Jan-15	12-Jan-15	04-Dec-14		0
CS501	Prep&Submit Stainless Steel Pipes - Shop Drawing	10	03-Jan-15	17-Jan-15			29
CS541	Prep&Submit PVC Pipes - Shop Drawing	10	03-Jan-15	12-Jan-15	10-Sep-14		37
CS551	Prep&Submit Pipe,Duct Work&Equipment Insulation - Shop Drawing	10	03-Jan-15	17-Jan-15			33
CS562	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Shop Drawing	0		12-Jan-15			-18
CS592	Approval of Plumping (Piping,Fixtures&Equipment) - Shop Drawing	0		03-Jan-15			41
CS611	Prep&Submit Heat,Ventilation,Duct Work&Air Conditioning Equipment - Shop Drawing	10	03-Jan-15	03-Jan-15	20-Nov-14		42
Electrical							
CS671	Prep.&Submit Electrical Raceway Systems - Shop Drawing	5	03-Jan-15	10-Jan-15			17
CS711	Prep.&Submit Padmounted Transformers - Shop Drawing	5	21-Jan-15	27-Jan-15			27
CS731	Prep.&Submit Short Circuit Study	5	03-Jan-15	10-Jan-15			-17
CS741	Prep.&Submit Earthing - Shop Drawing	5	03-Jan-15	03-Jan-15	20-Feb-14		47
CS751	Prep.&Submit Variable Frequency Drive Units 400V - Shop Drawing	5	03-Jan-15	05-Jan-15	15-Sep-14		28
CS771	Prep.&Submit Electric Motors - Shop Drawing	5	03-Jan-15	10-Jan-15			26
CS801	Prep.&Submit Motor Control Center&Solid State Reduced Starters - Shop Drawing	5	03-Jan-15	05-Jan-15	15-Sep-14		28
CS811	Prep.&Submit Local Control Stations and Miscellaneous Electrical Devices - Shop Drawing	5	24-Jan-15	28-Jan-15			5



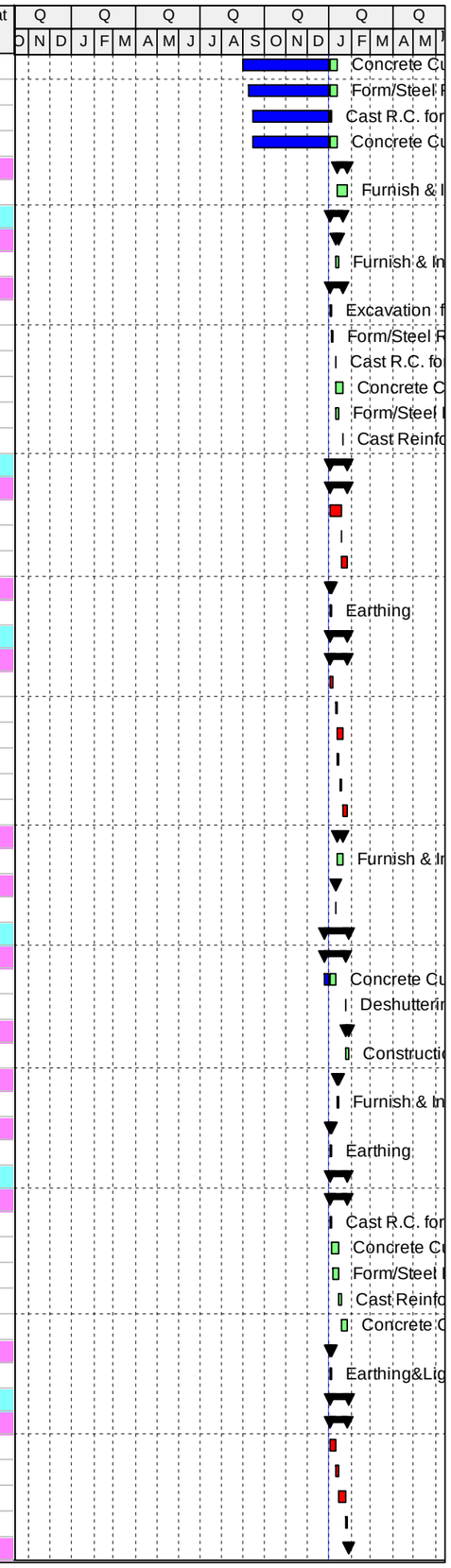
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
CS821	Prep.&Submit Lighting - Shop Drawing	5	03-Jan-15	03-Jan-15	03-Mar-14		30
CS831	Prep.&Submit Lightning Protection System - Shop Drawing	5	03-Jan-15	03-Jan-15	03-Mar-14		26
CS851	Prep.&Submit Process Control&Instrumentation System - Shop Drawing	5	03-Jan-15	10-Jan-15			32
CS861	Prep.&Submit PLC-Based Control Systems Hardware&Software - Shop Drawing	5	24-Jan-15	28-Jan-15			22
Methods Statement & Work Plans							
Civil							
CS1058	Approval of Welder Qualifications&Field Welding Procedure	0		03-Jan-15			21
CS1392	Approval of Field Testing, Pressure Test&Disinfection Plan	0		26-Jan-15			32
CS2160	Prep.&Submit Load&Deflection Tables for Miscellanios Metal Works	5	03-Jan-15	10-Jan-15			-17
Mechanical							
CS2170	Prep&Submit Vertical Well Pump - Statements	20	03-Jan-15	25-Jan-15	24-Dec-14		16
Procurement							
Execution Phase							
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements							
P1 - Arraba Well Pump Station Infrastructure Improvement							
Demolishing,Site Development,Apply Safety Measurments&Site Preparation							
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	03-Jan-15	04-Jan-15	30-Dec-13		42
P1-DEMO-000010	Excavation for Clearing,Site Grading&Preparation	7	03-Jan-15	04-Jan-15	18-Mar-14		13
P1-DEMO-000020	Erosion & Sediment Control Systems	10	03-Jan-15	17-Jan-15			13
P1-DEMO-000030	Miscellaneous Excavation	3	03-Jan-15	03-Jan-15	18-Mar-14		43
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	03-Jan-15	03-Jan-15	15-Apr-14		42
Construction of New Pump Station							
Retaining Walls							
Balance Tank 1000 m3							
Finishing Works							
P1-BT-000200	Tie roads remove/repair for externl walls	10	03-Jan-15	12-Jan-15	08-Dec-14		13
P1-BT-000210	Tie roads remove/repair for internal walls	10	03-Jan-15	17-Jan-15	23-Dec-14		10
Booster Pump System							
Civil & Structural Works							
P1-BP-000040	Apply Safety Measurement/Excavation Leveling for Foundation	1	03-Jan-15	03-Jan-15	17-Mar-14		125
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump Slab	2	03-Jan-15	04-Jan-15	20-May-14		-9
P1-BP-000060	Cast Concrete - Blinding	1	04-Jan-15	05-Jan-15			-9
P1-BP-000070	Concrete Curing	7	05-Jan-15	17-Jan-15			-7
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	05-Jan-15	19-Jan-15			-9
P1-BP-000090	Cast R.C. for the Slab/Mechanical Surface Smoothing	1	19-Jan-15	20-Jan-15			-9
Septic & Seepage Tank							
Civil & Structural Works							
P1-SS-000040	Excavation for Foundation,Furnishing Leveling&Compaction	2	03-Jan-15	04-Jan-15			-21
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	05-Jan-15	06-Jan-15			-21
P1-SS-000060	Cast R.C. for Base Slab & Ring Beam	1	10-Jan-15	10-Jan-15			-21
P1-SS-000070	Concrete Curing	7	11-Jan-15	19-Jan-15			-21
P1-SS-000080	Form/Steel Rebars for the Walls	4	11-Jan-15	14-Jan-15			-18
P1-SS-000090	Cast Reinforced Concrete for the Wallls	1	20-Jan-15	20-Jan-15			-21
Plumbing Works							
P1-SS-P-00010	Furnish & Install of all Piping Required	4	11-Jan-15	14-Jan-15			36
Electrical & Control Building							
Civil & Structural Works							
P1-CE-000040	Excavation Leveling for Foundation & Compacted Basecourse Layer 20cm	9	03-Jan-15	14-Jan-15			-26
P1-CE-000050	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-26
P1-CE-000060	Cast Concrete	1	11-Jan-15	11-Jan-15			-26
P1-CE-000070	Concrete Curing	7	12-Jan-15	20-Jan-15			-19
P1-CE-000080	Form/Steel Rebars for Slab on Grade & Compacted Basecourse layer 20cm	10	12-Jan-15	25-Jan-15			-26
P1-CE-000090	Cast R.C. for the Slab on Grade	1	26-Jan-15	26-Jan-15			-26
Electrical & Instrumentation Works							
P1-CE-E-00010	Earthing	1	10-Jan-15	10-Jan-15			-26
Chlorination & Storage Building							
Civil & Structural Works							
P1-CHS-000050	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-18
P1-CHS-000060	Cast Concrete	1	11-Jan-15	11-Jan-15			-18
P1-CHS-000070	Concrete Curing	7	12-Jan-15	20-Jan-15			-18



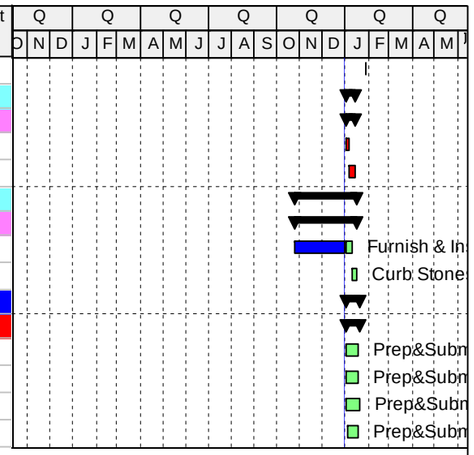
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P1-CHS-000080	Form/Steel Rebars for Slab on Grade	3	12-Jan-15	14-Jan-15			-17
P1-CHS-000090	Cast R.C. for the Slab on Grade	1	20-Jan-15	20-Jan-15			-18
P1-CHS-000110	Form/Steel Rebars for the Walls	5	21-Jan-15	27-Jan-15			-16
Mechanical Works							
P1-CHS-M-0010	Furnish & Install of Utility Piping including Pipe Supports & Valves	5	13-Jan-15	19-Jan-15			-18
Electrical & Instrumentation Works							
P1-CHS-E-0010	Earthing System	1	10-Jan-15	10-Jan-15			-18
Living Quarters Building							
Civil & Structural Works							
P1-LQ-000100	Concrete Curing	7	03-Jan-15	11-Jan-15	30-Dec-14		-10
P1-LQ-000110	Form/Steel Rebars for the Walls	5	03-Jan-15	10-Jan-15	30-Dec-14		-9
P1-LQ-000120	Cast Reinforced Concrete for the Wallls	1	11-Jan-15	12-Jan-15			-10
P1-LQ-000130	Concrete Curing	7	12-Jan-15	21-Jan-15			-10
Mechanical Works							
P1-LQ-M-00010	Furnish & Install of Utility Piping including Pipe Supports & Valves	2	13-Jan-15	14-Jan-15			60
Electrical & Instrumentation Works							
P1-LQ-E-00010	Earthing	1	03-Jan-15	03-Jan-15			17
Electrical Metering Building							
Civil & Structural Works							
P1-EM-000080	Form/Steel Rebars for Slab on Grade	5	03-Jan-15	05-Jan-15	21-Dec-14		-10
P1-EM-000090	Cast R.C. for the Slab on Grade	1	05-Jan-15	06-Jan-15			-10
P1-EM-000100	Concrete Curing	7	06-Jan-15	18-Jan-15			-10
P1-EM-000110	Form/Steel Rebars for the Walls	5	11-Jan-15	18-Jan-15			-10
P1-EM-000120	Cast Reinforced Concrete for the Wallls	1	18-Jan-15	19-Jan-15			-10
P1-EM-000130	Concrete Curing	7	19-Jan-15	28-Jan-15			-3
Electrical & Instrumentation Works							
P1-EM-E-00010	Earthing&Lightining Protection Pre-Fix	1	03-Jan-15	03-Jan-15			63
Pads & Slabs							
Civil & Structural Works							
P1-PS-010	Excavation Leveling for Foundation,Compacting Subgrade layers	5	03-Jan-15	10-Jan-15			-13
P1-PS-020	Form/Steel Rebars for Foundation	3	11-Jan-15	13-Jan-15			-13
P1-PS-030	Cast Concrete	1	14-Jan-15	14-Jan-15			-13
P1-PS-040	Concrete Curing	7	17-Jan-15	25-Jan-15			-13
Electrical & Instrumentation Works							
P1-PS-E-60	Earthing System	1	26-Jan-15	26-Jan-15			-6
P1-PS-E-91	Lightining Protection System	1	27-Jan-15	27-Jan-15			56
Well Systems							
Wellhead and Pad (Structural)							
P1-WS-020	Excavation to the Required Depth	3	03-Jan-15	05-Jan-15			-10
P1-WS-030	Grading & Compacting Subgrade Layers	5	06-Jan-15	13-Jan-15			-10
(O&M),Inspection,Commissioning,Start Up & Training for P1							
Initial Operation & Manufacturer Technical Manual Submittals (O&M)							
P1-OM-400	Prep&Submit O&M for Vertical Pumps	11	03-Jan-15	18-Jan-15			-11
P1-OM-420	Prep&Submit Safety&Health Training	10	03-Jan-15	17-Jan-15			29
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout	12	03-Jan-15	19-Jan-15			6
P1-OM-560	Prep&Submit O&M for Ultrasonic,Hydrostatic&Differential Pressure	10	03-Jan-15	18-Jan-15			27
Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements							
P2: Sanur Well Pump Station Infrastructure Improvement							
Demolishing,Site Development,Apply Safety Measurments&Site Preparation							
Construction of New Pump Station							
Balance Tank 1000 m3							
Civil & Structural Works							
P2-BT-600	Deshuttering for Slab,Curing & Cleaning Balance Tank,Backfilling	10	03-Jan-15	13-Jan-15	09-Dec-14		24
Finishing Works							
P2-BT-510	Tie roads remove/repair for externl walls	10	14-Jan-15	27-Jan-15			24
P2-BT-520	Tie roads remove/repair for internal walls	10	14-Jan-15	27-Jan-15			24
Booster Pump System							
Civil & Structural Works							
P2-BP-130	Apply Safety Measurement/Excavation Leveling for Foundation	1	03-Jan-15	03-Jan-15	12-Jul-14		40
P2-BP-140	Compacted Basecourse layer 25cm for Booster Pump Slab	2	03-Jan-15	03-Jan-15	24-Aug-14		33
P2-BP-150	Cast Concrete - Blinding	1	03-Jan-15	03-Jan-15	01-Sep-14		124



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P2-BP-160	Concrete Curing	7	03-Jan-15	12-Jan-15	01-Sep-14		33
P2-BP-170	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	03-Jan-15	12-Jan-15	09-Sep-14		4
P2-BP-180	Cast R.C. for the Slab/Mechanical Surface Smoothing	1	03-Jan-15	03-Jan-15	14-Sep-14		19
P2-BP-190	Concrete Curing&Backfilling	7	03-Jan-15	11-Jan-15	15-Sep-14		14
Electrical & Instrumentation Works							
P2-BP-E-50	Furnish & Installation of Earthing,Ductbanks&Raceway	10	12-Jan-15	26-Jan-15			4
Septic & Seepage Tank							
Plumbing Works							
P2-SS-P-20	Furnish & Install of all Piping Required	4	11-Jan-15	14-Jan-15			79
Civil & Structural Works							
P2-SS-220	Excavation for Foundation,Leveling,Subgrade layers Compacted	2	03-Jan-15	04-Jan-15			10
P2-SS-230	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	05-Jan-15	06-Jan-15			10
P2-SS-240	Cast R.C. for Base Slab & Ring Beam	1	10-Jan-15	10-Jan-15			10
P2-SS-250	Concrete Curing	7	11-Jan-15	19-Jan-15			10
P2-SS-260	Form/Steel Rebars for the Walls	4	11-Jan-15	14-Jan-15			13
P2-SS-270	Cast Reinforced Concrete for the Wallls	1	20-Jan-15	20-Jan-15			10
Electrical & Control Building							
Civil & Structural Works							
P2-CE-300	Form/Steel Rebars for Slab on Grade	10	03-Jan-15	17-Jan-15			-6
P2-CE-310	Cast R.C. for the Slab on Grade	1	18-Jan-15	18-Jan-15			-6
P2-CE-320	Concrete Curing	7	19-Jan-15	27-Jan-15			-1
Electrical & Instrumentation Works							
P2-CE-E-110	Earthing	1	03-Jan-15	03-Jan-15			78
Chlorination & Storage Building							
Civil & Structural Works							
P2-CHS-300	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-4
P2-CHS-310	Cast Concrete	1	11-Jan-15	11-Jan-15			-4
P2-CHS-320	Concrete Curing	7	12-Jan-15	20-Jan-15			-4
P2-CHS-330	Form/Steel Rebars for Slab on Grade	3	12-Jan-15	14-Jan-15			-1
P2-CHS-340	Cast R.C. for the Slab on Grade	1	17-Jan-15	17-Jan-15			-1
P2-CHS-360	Form/Steel Rebars for the Walls	5	20-Jan-15	26-Jan-15			-1
Mechanical Works							
P2-CHS-M-40	Furnish & Install of Utility Piping Under 110mm including Pipe Supports & Valves	5	13-Jan-15	19-Jan-15			80
Electrical & Instrumentation Works							
P2-CHS-E-060	Earthing System	1	10-Jan-15	10-Jan-15			-4
Living Quarters Building							
Civil & Structural Works							
P2-LQ-370	Concrete Curing	7	03-Jan-15	10-Jan-15	25-Dec-14		37
P2-LQ-380	Deshuttering for the Roof Slab&Backfilling	1	24-Jan-15	24-Jan-15			28
Finishing Works							
P2-LQ-440	Construction of CMU Walls & Veneer	4	25-Jan-15	28-Jan-15			28
Mechanical Works							
P2-LQ-M-30	Furnish & Install of Utility Piping including Pipe Supports & Valves	2	13-Jan-15	14-Jan-15			83
Electrical & Instrumentation Works							
P2-LQ-E-20	Earthing	1	03-Jan-15	03-Jan-15			91
Electrical Metering Building							
Civil & Structural Works							
P2-EM-320	Cast R.C. for the Slab on Grade	1	03-Jan-15	03-Jan-15			15
P2-EM-330	Concrete Curing	7	04-Jan-15	13-Jan-15			15
P2-EM-340	Form/Steel Rebars for the Walls	5	06-Jan-15	13-Jan-15			15
P2-EM-350	Cast Reinforced Concrete for the Wallls	2	14-Jan-15	17-Jan-15			15
P2-EM-360	Concrete Curing	7	18-Jan-15	26-Jan-15			22
Electrical & Instrumentation Works							
P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	03-Jan-15	03-Jan-15			86
Pads & Slabs							
Civil & Structural Works							
P2-PS-100	Excavation Leveling for Foundation,Compacting of Subgrade Layers	5	03-Jan-15	10-Jan-15			-9
P2-PS-110	Form/Steel Rebars for Foundation	3	11-Jan-15	13-Jan-15			-9
P2-PS-120	Cast Concrete&Curing	7	14-Jan-15	24-Jan-15			-9
P2-PS-130	Form/Steel Rebars for Slab on Grade	3	25-Jan-15	27-Jan-15			-9
Electrical & Instrumentation Works							



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P2-PS-E-101	Earthing System	1	28-Jan-15	28-Jan-15			-3
Well Systems							
Wellhead and Pad (Structural)							
P2-WS-090	Excavation to the Required Depth	3	03-Jan-15	05-Jan-15			-10
P2-WS-100	Grading & Compacting Subgrade Layers	5	06-Jan-15	13-Jan-15			-10
Yard Works,Widening&Upgrading of Existing Main Road Entrance & Site Electrical Power							
External & Finishing Works							
P2-YW-170	Furnish & Install Fencing, All Gates, Posts, Wire, Mesh..etc	6	03-Jan-15	10-Jan-15	26-Oct-14		77
P2-YW-180	Curb Stones & Side Walk Works	5	10-Jan-15	17-Jan-15			77
(O&M),Inspection,Commissioning,Start Up & Training							
Initial Operation & Manufacturer Technical Manual Submittals (O&M)							
P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	03-Jan-15	18-Jan-15			50
P2-OM-00030	Prep&Submit Safety&Health Training	10	03-Jan-15	17-Jan-15			57
P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	03-Jan-15	19-Jan-15			59
P2-OM-00170	Prep&Submit O&M for Ultrasonic,Hydrostatic&Differential Pressure	10	03-Jan-15	18-Jan-15			61

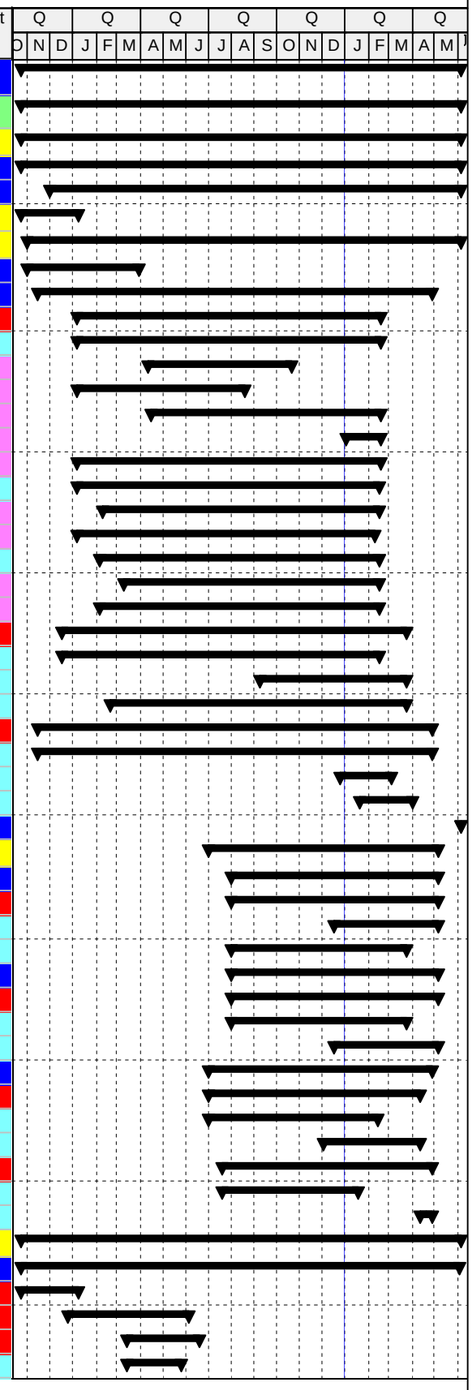


RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

Dec-2014 Roll Up Schedule

01-Jan-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
Total		329	01-Jan-15	04-Jun-15	23-Oct-13		0
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS		329	01-Jan-15	04-Jun-15	23-Oct-13		0
Milestones		449	01-Jan-15	04-Jun-15	23-Oct-13		-13
General Milestones		449	03-Jun-15	04-Jun-15	23-Oct-13		-13
Intermediate Milestones		426	01-Jan-15	04-Jun-15	01-Dec-13		-13
Mobilization		24			24-Oct-13	08-Jan-14	
Submittals		372	03-Jan-15	04-Jun-15	31-Oct-13		0
Pre Construction Submittals		45			31-Oct-13	31-Mar-14	
Construction Submittals		339	03-Jan-15	27-Apr-15	14-Nov-13		33
Material Submittals		280	03-Jan-15	17-Feb-15	06-Jan-14		92
Civil		280	03-Jan-15	17-Feb-15	06-Jan-14		92
Earth Works		141			12-Apr-14	22-Oct-14	
Concrete Works		173			07-Jan-14	20-Aug-14	
Building Works		181	03-Jan-15	17-Feb-15	16-Apr-14		41
Roads Works		33	03-Jan-15	17-Feb-15			47
Miscellaneous		181	03-Jan-15	17-Feb-15	06-Jan-14		92
Mechanical		240	03-Jan-15	15-Feb-15	06-Jan-14		94
Local Manufacturer		240	03-Jan-15	15-Feb-15	10-Feb-14		94
Abroad Manufacturer (Long Lead Items)		219	03-Jan-15	09-Feb-15	06-Jan-14		99
Electrical		274	03-Jan-15	15-Feb-15	06-Feb-14		94
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)		248	03-Jan-15	15-Feb-15	10-Mar-14		94
Local Manufacturer		274	03-Jan-15	15-Feb-15	06-Feb-14		22
Shop Drawings		309	03-Jan-15	24-Mar-15	17-Dec-13		11
Civil		278	03-Jan-15	15-Feb-15	17-Dec-13		42
Mechanical		145	03-Jan-15	24-Mar-15	09-Sep-14		7
Electrical		289	03-Jan-15	23-Mar-15	20-Feb-14		12
Methods Statement & Work Plans		339	03-Jan-15	27-Apr-15	14-Nov-13		5
Civil		339	03-Jan-15	27-Apr-15	14-Nov-13		5
Mechanical		53	03-Jan-15	04-Mar-15	24-Dec-14		12
Electrical		56	21-Jan-15	31-Mar-15			2
Post Construction Submittals		0	04-Jun-15	04-Jun-15			-12
Procurement		167	01-Jan-15	05-May-15	01-Jul-14		-4
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		214	01-Jan-15	05-May-15	02-Aug-14		-35
Material Order & Manufacture		214	01-Jan-15	05-May-15	02-Aug-14		-35
Electrical Equipment		101	01-Jan-15	05-May-15	18-Dec-14		-35
Mechanical Equipment		195	01-Jan-15	23-Mar-15	02-Aug-14		-6
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		181	01-Jan-15	05-May-15	02-Aug-14		-6
Material Order & Manufacture		181	01-Jan-15	05-May-15	02-Aug-14		-6
Mechanical Equipment		181	01-Jan-15	23-Mar-15	02-Aug-14		35
Electrical Equipment		101	01-Jan-15	05-May-15	18-Dec-14		-6
Steel Pipes,Fittings&Valves		72	01-Jan-15	27-Apr-15	01-Jul-14		-20
Material Order & Manufacture		72	01-Jan-15	12-Apr-15	01-Jul-14		-20
All Needed Pipes,Steel Pipes & Fittings		60	03-Jan-15	14-Feb-15	01-Jul-14		-9
Valves		81	01-Jan-15	12-Apr-15	04-Dec-14		-22
Material Delivary		58	03-Jan-15	27-Apr-15	20-Jul-14		-20
All Needed Pipes,Steel Pipes & Fittings		12	03-Jan-15	18-Jan-15	20-Jul-14		54
Valves		12	12-Apr-15	27-Apr-15			-22
Execution Phase		329	03-Jan-15	04-Jun-15	24-Oct-13		0
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		328	03-Jan-15	03-Jun-15	24-Oct-13		1
Mobilization for P1		24			24-Oct-13	08-Jan-14	
P1 - Arraba Well Pump Station Rehabilitation		63			25-Dec-13	06-Jun-14	
Design Review After Well Development Results		151			14-Mar-14	19-Jun-14	
Geophysical Logging Final Acceptance		1			14-Mar-14	27-May-14	

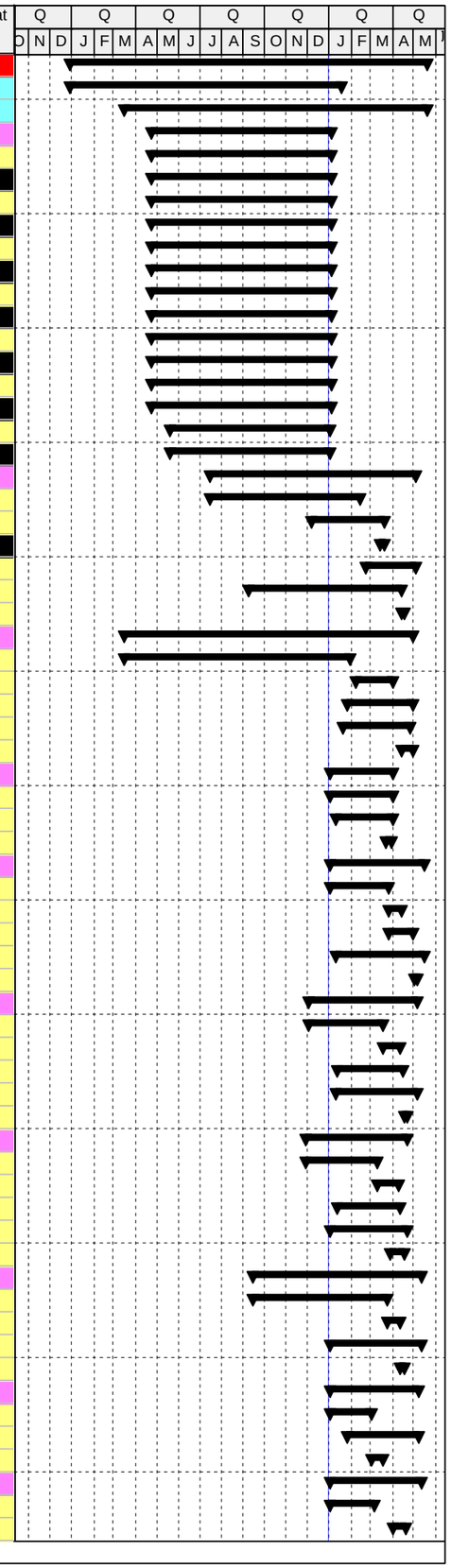


(New Bar) Summary
Actual Work
Remaining Work
Critical Remaining Work
Milestone

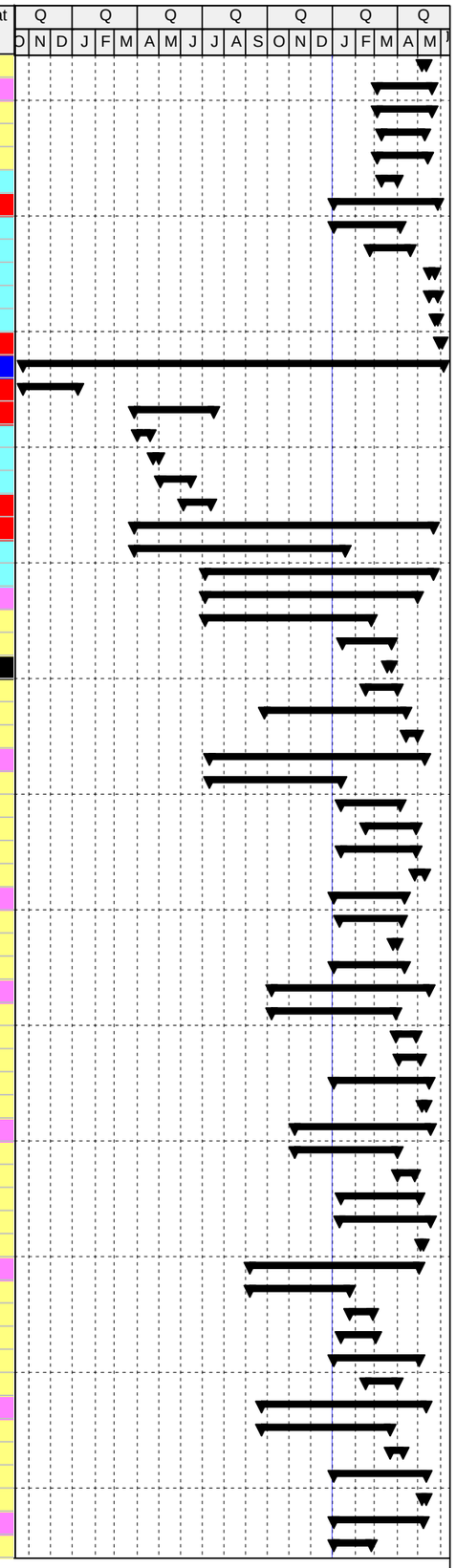
IRD International Relief & Development

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

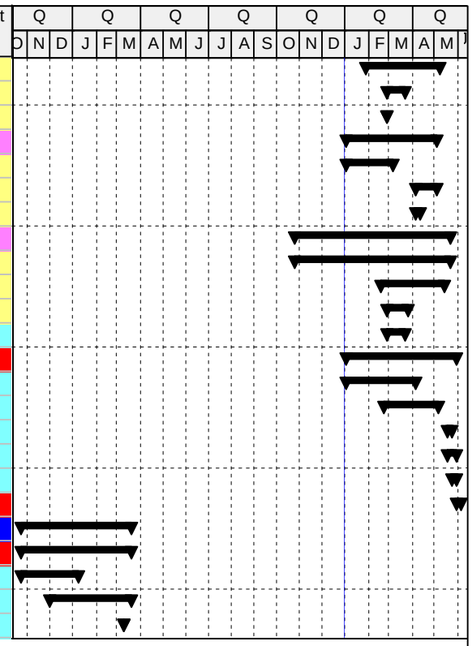
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P1 -	Arraba Well Pump Station Infrastructure Improvement	338	03-Jan-15	19-May-15	30-Dec-13		14
	Demolishing,Site Development,Apply Safety Measurments&Site Preparation	237	03-Jan-15	17-Jan-15	30-Dec-13		33
	Construction of New Pump Station	305	03-Jan-15	19-May-15	17-Mar-14		14
	Retaining Walls	103	03-Jan-15	03-Jan-15	23-Apr-14		124
	Retaining Wall Group # 1 (St.36+40 to St.55+60)	81	03-Jan-15	03-Jan-15	23-Apr-14		59
	Civil & Structural Works	81	03-Jan-15	03-Jan-15	23-Apr-14		59
	Retaining Wall Group # 2 (St.55+60 to St.78+80)	41	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	41	03-Jan-15	03-Jan-15	23-Apr-14		125
	Retaining Wall Group # 3 (St.78+80 to St.102+00)	76	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	76	03-Jan-15	03-Jan-15	23-Apr-14		125
	Boundary Wall Group # 4 A -(St-102+00 to St.126+80)	83	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	83	03-Jan-15	03-Jan-15	23-Apr-14		125
	Boundary Wall Group # 4 B -(St.126+80 to St.140+20)	89	03-Jan-15	03-Jan-15	23-Apr-14		124
	Civil & Structural Works	89	03-Jan-15	03-Jan-15	23-Apr-14		124
	Retaining Wall Group # 5 -(St. 30+40 to St.36+40)	77	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	77	03-Jan-15	03-Jan-15	23-Apr-14		125
	Retaining Wall Group # 6 -(St.00+00 to St.30+40)	77	03-Jan-15	03-Jan-15	20-May-14		43
	Civil & Structural Works	77	03-Jan-15	03-Jan-15	20-May-14		43
	Balance Tank 1000 m3	270	03-Jan-15	04-May-15	16-Jul-14		-24
	Civil & Structural Works	203	17-Jan-15	14-Feb-15	16-Jul-14		10
	Finishing Works	28	03-Jan-15	19-Mar-15	08-Dec-14		6
	Metal Fabricated Works	5	15-Mar-15	19-Mar-15			6
	Mechanical Works	61	22-Feb-15	04-May-15			-24
	Electrical & Instrumentation Works	155	03-Mar-15	14-Apr-15	09-Sep-14		-10
	Test Water Tightness For Reservoir	3	14-Apr-15	18-Apr-15			-10
	Booster Pump System	170	03-Jan-15	30-Apr-15	17-Mar-14		30
	Civil & Structural Works	94	03-Jan-15	31-Jan-15	17-Mar-14		106
	Steel Structure & Metal Works	47	07-Feb-15	02-Apr-15			-17
	Mechanical Works	78	27-Jan-15	30-Apr-15			-11
	Electrical & Instrumentation Works	79	20-Jan-15	26-Apr-15			-17
	Coatings & Finishing Works	14	14-Apr-15	29-Apr-15			-14
	Septic & Seepage Tank	71	03-Jan-15	02-Apr-15			3
	Civil & Structural Works	71	03-Jan-15	02-Apr-15			3
	Plumbing Works	66	11-Jan-15	02-Apr-15			-2
	Finishing Works	7	22-Mar-15	29-Mar-15			-2
	Electrical & Control Building	108	03-Jan-15	16-May-15			-31
	Civil & Structural Works	64	03-Jan-15	25-Mar-15			-26
	Finishing Works	16	26-Mar-15	13-Apr-15			-26
	Mechanical Works	31	26-Mar-15	30-Apr-15			-26
	Electrical & Instrumentation Works	104	10-Jan-15	16-May-15			-31
	HVAC-Plumping	5	02-May-15	06-May-15			-26
	Chlorination & Storage Building	112	03-Jan-15	05-May-15	03-Dec-14		-25
	Civil & Structural Works	70	03-Jan-15	17-Mar-15	03-Dec-14		-14
	Finishing Works	21	18-Mar-15	11-Apr-15			-14
	Mechanical Works	76	13-Jan-15	16-Apr-15			-14
	Electrical & Instrumentation Works	95	10-Jan-15	05-May-15			-25
	HVAC-Plumping	5	18-Apr-15	22-Apr-15			-14
	Living Quarters Building	115	03-Jan-15	22-Apr-15	29-Nov-14		-8
	Civil & Structural Works	78	03-Jan-15	10-Mar-15	29-Nov-14		-10
	Finishing Works	26	10-Mar-15	09-Apr-15			-10
	Mechanical Works	72	13-Jan-15	12-Apr-15			-10
	Electrical & Instrumentation Works	88	03-Jan-15	22-Apr-15			-14
	HVAC-Plumping	18	28-Mar-15	18-Apr-15			-4
	Electrical Metering Building	186	03-Jan-15	11-May-15	14-Sep-14		-30
	Civil & Structural Works	145	03-Jan-15	24-Mar-15	14-Sep-14		-10
	Finishing Works	16	24-Mar-15	12-Apr-15			-10
	Electrical & Instrumentation Works	104	03-Jan-15	11-May-15			-30
	HVAC-Plumping	5	12-Apr-15	18-Apr-15			-10
	Pads & Slabs	101	03-Jan-15	07-May-15			-27
	Civil & Structural Works	43	03-Jan-15	01-Mar-15			16
	Electrical & Instrumentation Works	85	26-Jan-15	07-May-15			-27
	Mechanical Works	15	02-Mar-15	18-Mar-15			16
	Well Systems	104	03-Jan-15	11-May-15			-30
	Wellhead and Pad (Structural)	47	03-Jan-15	05-Mar-15			22
	Mechanical	16	01-Apr-15	19-Apr-15			-11



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
	Electrical & Instrumentation Works	5	06-May-15	11-May-15			-30
	Yard Works & Site Electrical Power	67	03-Mar-15	19-May-15			-14
	External & Finishing Works	67	03-Mar-15	19-May-15			-21
	Mechanical Works	50	11-Mar-15	09-May-15			-4
	Electrical & Instrumentation Works	63	03-Mar-15	14-May-15			-17
	Flow Control Valve for Mirka Existing Balance Tank & Arraba Existing RSV	20	11-Mar-15	02-Apr-15			-1
	(O&M),Inspection,Commissioning,Start Up & Training for P1	119	03-Jan-15	28-May-15			-29
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	73	03-Jan-15	05-Apr-15			-20
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	49	21-Feb-15	19-Apr-15			-11
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	17-May-15	23-May-15			-34
	Training Phase	11	17-May-15	28-May-15			-29
	Comissioning & Start Up Phase for All System	5	24-May-15	28-May-15			-34
	Demobilization,Close Out&Handing Over for P1	5	30-May-15	03-Jun-15			-34
	Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements	329	03-Jan-15	04-Jun-15	24-Oct-13		0
	Mobilization for P2	24			24-Oct-13	08-Jan-14	
	P2 - Sanur Well Pump Station Rehabilitation	122			29-Mar-14	19-Jul-14	
	Pump Switching Off	1			02-Apr-14	19-Apr-14	
	Fishing-Extraction of Fallen Strainer from Sanur Well	19			24-Apr-14	01-May-14	
	Development	30			03-May-14	15-Jun-14	
	Design Review After Well Development Results	120			06-Jun-14	14-Jul-14	
	P2: Sanur Well Pump Station Infrastructure Improvement	307	03-Jan-15	21-May-15	29-Mar-14		12
	Demolishing,Site Development,Apply Safety Measurments&Site Preparation	204	03-Jan-15	17-Jan-15	29-Mar-14		44
	Construction of New Pump Station	239	03-Jan-15	21-May-15	06-Jul-14		12
	Balance Tank 1000 m3	220	03-Jan-15	29-Apr-15	06-Jul-14		20
	Civil & Structural Works	164	03-Jan-15	23-Feb-15	06-Jul-14		24
	Finishing Works	55	14-Jan-15	24-Mar-15			30
	Metal Fabricated Works	5	19-Mar-15	24-Mar-15			30
	Mechanical Works	38	16-Feb-15	31-Mar-15			30
	Electrical & Instrumentation Works	154	18-Mar-15	13-Apr-15	28-Sep-14		20
	Test Water Tightness For Reservoir	14	13-Apr-15	29-Apr-15			20
	Booster Pump System	203	03-Jan-15	10-May-15	12-Jul-14		22
	Civil & Structural Works	46	03-Jan-15	12-Jan-15	12-Jul-14		118
	Steel Structure & Metal Works	67	11-Jan-15	05-Apr-15			7
	Mechanical Works	61	16-Feb-15	27-Apr-15			8
	Electrical & Instrumentation Works	87	12-Jan-15	28-Apr-15			7
	Coatings & Finishing Works	14	25-Apr-15	10-May-15			-5
	Septic & Seepage Tank	78	03-Jan-15	11-Apr-15			14
	Plumbing Works	70	11-Jan-15	07-Apr-15			17
	Finishing Works	7	26-Mar-15	02-Apr-15			10
	Civil & Structural Works	78	03-Jan-15	11-Apr-15			10
	Electrical & Control Building	123	03-Jan-15	16-May-15	08-Oct-14		-11
	Civil & Structural Works	82	03-Jan-15	29-Mar-15	08-Oct-14		-6
	Finishing Works	26	30-Mar-15	28-Apr-15			-6
	Mechanical Works	27	04-Apr-15	04-May-15			-6
	Electrical & Instrumentation Works	108	03-Jan-15	16-May-15			-11
	HVAC-Plumping	5	06-May-15	11-May-15			-7
	Chlorination & Storage Building	126	03-Jan-15	17-May-15	09-Nov-14		-12
	Civil & Structural Works	87	03-Jan-15	01-Apr-15	09-Nov-14		-4
	Finishing Works	21	02-Apr-15	26-Apr-15			-4
	Mechanical Works	89	13-Jan-15	02-May-15			-4
	Electrical & Instrumentation Works	105	10-Jan-15	17-May-15			-12
	HVAC-Plumping	5	03-May-15	07-May-15			-4
	Living Quarters Building	170	03-Jan-15	02-May-15	07-Sep-14		2
	Civil & Structural Works	89	03-Jan-15	24-Jan-15	07-Sep-14		28
	Finishing Works	26	25-Jan-15	26-Feb-15			49
	Mechanical Works	36	13-Jan-15	01-Mar-15			49
	Electrical & Instrumentation Works	96	03-Jan-15	02-May-15			1
	HVAC-Plumping	40	15-Feb-15	01-Apr-15			28
	Electrical Metering Building	131	03-Jan-15	11-May-15	23-Sep-14		-7
	Civil & Structural Works	88	03-Jan-15	22-Mar-15	23-Sep-14		15
	Finishing Works	16	23-Mar-15	09-Apr-15			15
	Electrical & Instrumentation Works	104	03-Jan-15	11-May-15			-7
	HVAC-Plumping	5	06-May-15	11-May-15			-7
	Pads & Slabs	101	03-Jan-15	07-May-15			-4
	Civil & Structural Works	39	03-Jan-15	24-Feb-15			36



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
	Electrical & Instrumentation Works	83	28-Jan-15	07-May-15			-4
	Mechanical Works	22	25-Feb-15	22-Mar-15			36
	Finishing Works	2	25-Feb-15	26-Feb-15			56
	Well Systems	97	03-Jan-15	03-May-15			0
	Wellhead and Pad (Structural)	47	03-Jan-15	05-Mar-15			45
	Mechanical	24	06-Apr-15	03-May-15			0
	Electrical & Instrumentation Works	5	06-Apr-15	11-Apr-15			19
	Yard Works,Widening&Upgrading of Existing Main Road Entrance & Site Electrical Power	109	03-Jan-15	21-May-15	26-Oct-14		-5
	External & Finishing Works	109	03-Jan-15	21-May-15	26-Oct-14		-5
	Electrical & Instrumentation Works	74	18-Feb-15	14-May-15			-10
	Mechanical Works	24	26-Feb-15	25-Mar-15			-10
	Flow Control Valve for Jaba Existing Balance Tank&Kafr Rai Existing PS Balance Tank	20	26-Feb-15	21-Mar-15			17
	(O&M),Inspection,Commissioning,Start Up & Training	120	03-Jan-15	30-May-15			-12
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	73	03-Jan-15	05-Apr-15			-2
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	63	21-Feb-15	05-May-15			-2
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	18-May-15	24-May-15			-12
	Training Phase	11	18-May-15	30-May-15			-12
	Comissioning & Start Up Phase for All System	5	25-May-15	30-May-15			-12
	Demobilization,Close Out&Handing Over	5	31-May-15	04-Jun-15			-12
	Project 3 Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14	
	P3 - Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14	
	Mobilization for P3	24			24-Oct-13	09-Jan-14	
	Execution	33			01-Dec-13	20-Mar-14	
	Demobilization,Close Out&Handing Over for P3	7			11-Mar-14	11-Mar-14	



ARW 22.2 "S" Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

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-Jan-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

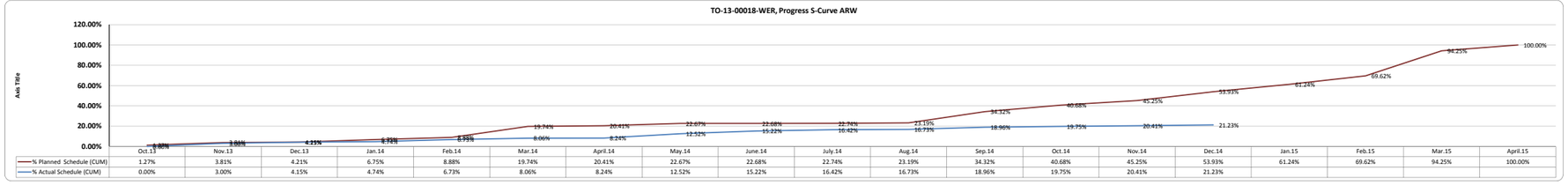
	USD
Total Contract Value Less Day Work:	$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	$7,157,158.84
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	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-Jan-15

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

	USD
Total Contract Value Less Day Work:	$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	$493,635.00
Revised Total Contract Value Less Day Work as per VO #3 :	$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Jan-15

	USD
Total Contract Value Less Day Work:	$14,021,856.91
Day Work Value:	$700,000.00
Total Contract Value Including Day Work:	$14,721,856.91
Revised Total Contract Value Less Day Work:	$13,904,556.73
Day Work Value as per VO #3:	$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

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	April.14	May.14	June.14	July.14	Aug.14	Sep.14	Oct.14	Nov.14	Dec.14	Jan.15	Feb.15	Mar.15	April.15		TOTAL
Planned Schedule Value	$82,755.18	$165,510.37	$26,232.56	$165,634.50	$138,884.18	$707,403.93	$43,377.32	$147,314.16	$1,081.74	$3,588.59	$29,267.90	$725,813.31	$414,044.16	$297,923.42	$565,839.48	$476,014.65	$546,154.18	$1,605,620.26	$374,510.68		$6,516,970.57
Planned Schedule Value (CUM)	$72,410.79	$248,265.55	$367,626.28	$760,860.11	$1,286,213.66	$1,338,951.45	$1,377,861.99	$1,524,241.22	$1,640,561.44	$1,705,086.54	$1,989,339.32	$2,316,442.31	$2,566,877.13	$3,020,066.20	$5,031,015.15	$5,701,268.52	$6,150,326.17	$6,419,370.07	$6,516,970.57		$6,516,970.57
Actual Schedule Value	$30,488.75	$113,243.94	$107,409.99	$57,661.93	$129,937.14	$86,541.01	$11,545.01	$279,220.52	$175,884.31	$78,392.48	$20,177.94	$144,896.04	$51,880.42	$42,653.79	$53,355.51						
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	$1,383,288.78						
% Planned Schedule	1.27%	2.54%	0.40%	2.54%	2.13%	10.85%	0.67%	2.26%	0.02%	0.06%	0.45%	11.14%	6.35%	4.57%	8.68%	7.30%	8.38%	24.64%	5.75%		100%
% Planned Schedule (CUM)	1.27%	3.81%	4.21%	6.75%	8.88%	19.74%	20.41%	22.67%	22.68%	22.74%	23.19%	34.32%	40.68%	45.25%	53.93%	61.24%	69.62%	94.25%	100.00%		100%
% Actual Schedule	0.00%	3.00%	1.15%	0.88%	1.99%	1.33%	0.18%	4.28%	2.70%	1.20%	0.31%	2.22%	0.80%	0.65%	0.82%						
% 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%	21.23%						



INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRSTRUCTURE NEEDS PROGRAM (INP)

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

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	USD
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NTP (Notice to Proceed)	23-Oct-13
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Original Completion Date:	25-Apr-15
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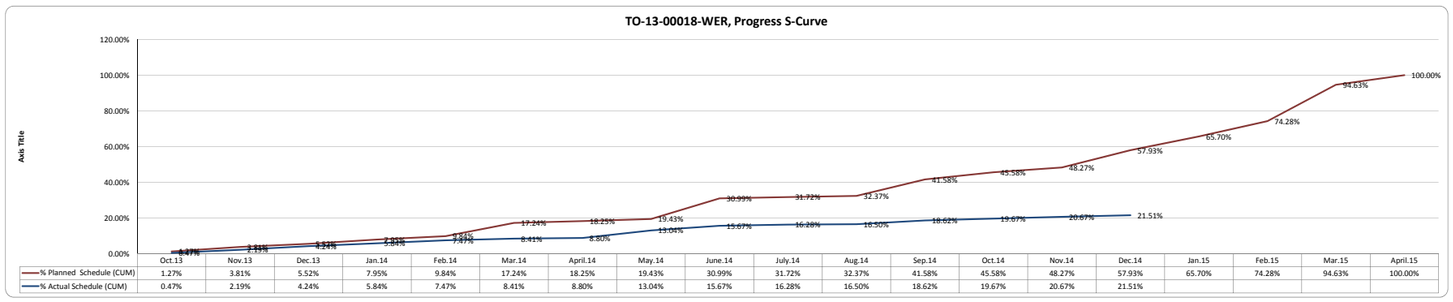
Day Work Value:	$671,394.05
Total Contract Value Including Day Work:	$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO # 3)	$13,904,555.82
Revised Day Work Amount (VO #4)	$671,393.14

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	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
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	$140,172.32	$118,464.93						
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	$2,884,821.03	$3,003,285.96						
% 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%
% 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%	1.00%	0.84%						
% 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%	20.67%	21.51%						



ARW 22.3 Site Memos Log

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International Relief & Development

Infrastructure Needs Program- INP

USAID Contract No. AID-294-I-00-12-00003

Project: Wells Rehabilitation Project

NOA Date:	**September 23, 2014**
NTP Date:	**October 25, 2014**
Current as Date:	**January 4, 2015**

Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments

There were no Site Memos received from the Engineer during the reporting period for Arraba and Sanur Well Pump Stations.

ARW 22.4 Material or Equipment Delivered to Site Log

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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	December 2, 2014	Base Course	20m³	Arraba Well
2		Reinforcement steel Ø12mm and Ø16mm	7887kg	Arraba Well
3	December 3, 2014	Base Course	20 m³	Arraba Well
4	December 4, 2014	Base Course	20 m³	Arraba Well
5	December 7, 2014	Concrete B350	72 m³	Balance Tank Elevated Slab
6		Sand	4m³	Arraba Well
7	December 8, 2014	Base course	20m³	Arraba Well
8	December 9, 2014	Base course	20m³	Arraba Well
9	December 10, 2014	Concrete B250	2m³	Arraba Well
10	December 11, 2014	Single Size Aggregate	20m³	Arraba Well
11		Sand	3 m³	Arraba Well
12	December 18, 2014	Concrete B350	21 m³	Living Quarter and the Electrical Metering Buildings Edge Foundations
13	December 21, 2014	Conbextra HF	250 Kg	Arraba Well
14		Rendroc FC	250 Kg	Arraba Well
15		Nito bond SBR 201	50 Lit.	Arraba Well
16		Single Size Aggregate	20 m³	Arraba Well
17	December 22, 2014	Galvanized steel angle 5x5 cm	30 m	Arraba Well
18	December 23, 2014	Single Size Aggregate	20 m³	Arraba Well
19	December 29, 2014	Concrete B350	10 m³	Living Quarter Sab on Grade
20	December 30, 2014	Rendroc FC	250 Kg	Arraba Well
21	December 30, 2014	SBR201	50 Lit	Arraba Well

IRD International Relief & Development

Equipment Log

Task Order:	AID-294-TO-13-00018
Project:	Wells Rehabilitation Project
Sub-project	Arraba Well Pump Station Rehabilitation & Infrastructure Improvements

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	December 1, 2014	JCB Back Hole-1993-1	1	8	1
2		Steel Compactor	1	5	1
3		Mercedes 416-2002	1	8	
4		Tractor	1	8	
5		Level	1	4	
6		Total Station			1
7		Concrete Vibrator			2
8	December 2, 2014	JCB Back Hole-1993-1	1	8	1
9		Steel Compactor	1	4	1
10		Mercedes 416-2002	1	8	
11		Level	1	4	
12		Total Station			1
13		Concrete Vibrator			2
14	December 3, 2014	JCB Back Hole-1993-1	1	8	1
15		Steel Compactor	1	3	1
16		Mercedes 416-2002	1	8	
17		Tractor	1	8	
18		Level	1	4	
19		Total Station			1
20		Concrete Vibrator			2
21	December 4, 2014	JCB Back Hole-1993-1	1	4	1
22		Steel Compactor	1	4	1
23		Mercedes 416-2002	1	8	
24		Level	1	4	
25		Total Station			1
26		Concrete Vibrator			2
27	December 5, 2014	JCB Back Hole-1993-1			2
28		Steel Compactor			2
29		Mercedes 416-2002			
30		Level			1
31		Total Station			1
32		Concrete Vibrator			2
33	December 6, 2014	JCB Back Hole-1993-1	1	4	1
34		Steel Compactor	1	4	1
35		Mercedes 416-2002	1	8	
36		Level	1	4	
37		Total Station			1
38		Concrete Vibrator			2
39	December 7, 2014	JCB Back Hole-1993-1	1	8	1
40		Steel Compactor	1	2	1
41		Mercedes 416-2002	1	8	
42		Level	1	4	
43		Total Station			1
44		Concrete Vibrator			2
45	December 8, 2014	JCB Back Hole-1993-1	1	8	1
46		Steel Compactor	1	3	1
47		Mercedes 416-2002	1	8	
48		Level	1	4	
49		Total Station			1
50		Concrete Vibrator			2
51	December 9, 2014	JCB Back Hole-1993-1	1	8	1
52		Steel Compactor	1	2	1
53		Mercedes 416-2002	1	8	
54		Level	1	4	
55		Total Station			1
56		Concrete Vibrator			2

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

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
124	December 21, 2014	JCB Back Hole-1993-1	1	2	
125		Steel Compactor			2
126		Mercedes 416-2002	1	8	
127		Level			1
128		Total Station	1	2	
129		Concrete Vibrator			2
130	December 22, 2014	JCB Back Hole-1993-1	1	3	
131		Steel Compactor			2
132		Mercedes 416-2002	1	8	
133		Level			1
134		Total Station			1
135		Concrete Vibrator			2
136	December 23, 2014	JCB Back Hole-1993-1	1	3	
137		Steel Compactor			2
138		Mercedes 416-2002	1	8	
139		Level			1
140		Total Station			1
141		Concrete Vibrator			2
142	December 24, 2014	JCB Back Hole-1993-1	1	2	
143		Steel Compactor			2
144		Mercedes 416-2002	1	8	
145		Level			1
146		Total Station			1
147		Concrete Vibrator			2
148	December 25, 2014	JCB Back Hole-1993-1	1	1	
149		Steel Compactor			2
150		Mercedes 416-2002	1	8	
151		Level			1
152		Total Station			1
153		Concrete Vibrator			2
154	December 26, 2014	JCB Back Hole-1993-1			2
155		Steel Compactor			2
156		Mercedes 416-2002			
157		Level			1
158		Total Station			1
159		Concrete Vibrator			2
160	December 27, 2014	JCB Back Hole-1993-1	1	1	
161		Steel Compactor			2
162		Mercedes 416-2002	1	8	
163		Level			1
164		Total Station	1	2	
165		Concrete Vibrator			2
166	December 28, 2014	JCB Back Hole-1993-1	1	1	
167		Steel Compactor			2
168		Mercedes 416-2002	1	8	
169		Level			1
170		Total Station			1
171		Concrete Vibrator			2
172	December 29, 2014	JCB Back Hole-1993-1	1	2	
173		Steel Compactor			2
174		Mercedes 416-2002	1	8	
175		Level			1
176		Total Station			1
177		Concrete Vibrator	1	3	1
178	December 30, 2014	JCB Back Hole-1993-1	2	3	
179		Steel Compactor			2
180		Mercedes 416-2002	1	8	
		Truck	1	2	
181		Level			1
182		Total Station			1
183		Concrete Vibrator			2
184	December 31, 2014	JCB Back Hole-1993-1	2	3	
185		Steel Compactor			2
186		Mercedes 416-2002	1	8	
187		Truck	1	2	
188		Level			1
189		Total Station			1
190		Concrete Vibrator			2

ARW 22.5 Inspection Requests Log

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International Relief & Development

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

Inspection Requests Log
IRD/BV

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

Project: Wells Rehabilitation Project (WER)

Sender/ Recipient IRD/BV

						2nd Inspection	
No.	**Request Date**	**Date Inspection Required**	**Description of Works Inspected**	**Response Date**	**Grade**	**Response Date**	**Grade**
IR-13-00018-WER-025-A	December 4, 2014	December 4, 2014	Inspecting 150 mm Stainless Steel Thimbles for Balance Tank Roof Vents,150 mm Welded Steel Thimbles for Balance Tank Roof (Future) and 100 mm Welded Steel Thimbles for Balance Tank Roof (Debris Gate)	December 4, 2014	No Exceptions Noted		
IR-13-00018-WER-026-A	December 10, 2014	December 11, 2014	Inspection Compliance of Environmental Status with Contract Requirements as for September and October, 2014-Environmental Check Lists.	December 11, 2014	No Exceptions Noted		
IR-13-00018-WER-027-A	December 16, 2014	December 16, 2014	Inspection Compliance of Environmental Status with Contract Requirements as for November, 2014-Environmental Check List.	December 16, 2014	No Exceptions Noted		
IR-13-00018-WER-028-A	December 22, 2014	December 23, 2014	Inspecting the following pipes and fittings: 1. PVC SCH 80 PIPES DN:1.5", GEORG FISCHER (8 m). 2. PVC SCH 80 ELBOW 90° DN:1.5", GEORG FISCHER (2 Pcs). 3. PVC SCH 80 COUPLER 90° DN:1.5", GEORG FISCHER (6 Pcs).	December 23, 2014	No Exceptions Noted		
IR-13-00018-WER-029-A	December 28, 2014	December 28, 2014	Inspecting Safety Implementation of Confined Spaces Safety Plan at ARW & SNW Balance Tanks	December 28, 2014	Amend - Resubmit		

IRD International Relief & Development

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

Inspection Requests Log
IRD/BV

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

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection Response Date	1st Inspection Grade	2nd Inspection Response Date	2nd Inspection Grade
IR-13-00018-ARW-172-A	December 2, 2014	December 2, 2014	Inspecting the Proposed Location of Electrical Metering Room	December 2, 2014	No Exceptions Noted		
IR-13-00018-ARW-173-A	December 2, 2014	December 2, 2014	Inspecting the Proposed Location of Chlorination Room	December 2, 2014	No Exceptions Noted		
IR-13-00018-ARW-174-A	December 2, 2014	December 2, 2014	Inspecting the Proposed Location of Living Quarter Building	December 2, 2014	No Exceptions Noted		
IR-13-00018-ARW-175-A	December 2, 2014	December 2, 2014	Inspecting the Proposed Location Electrical and Control Building	December 2, 2014	No Exceptions Noted		
IR-13-00018-ARW-176-A	December 2, 2014	December 2, 2014	Inspecting the Leveled and Compacted Subgrade Layer for Living Quarter Building Prior to Receive Base Course Layer-Level 265.80m	December 2, 2014	Amend and Resubmit		
IR-13-00018-ARW-176-B	December 3, 2014	December 3, 2014	Inspecting the Leveled and Compacted Subgrade Layer for Living Quarter Building Prior to Receive Base Course Layer-Level 265.95m	December 3, 2014	No Exceptions Noted		
IR-13-00018-ARW-177-A	December 7, 2014	December 7, 2014	Inspecting Steel reinforcement & Formwork Closing for Balance Tank Roof Slab Prior to Concrete Casting	December 7, 2014	No Exceptions Noted		
IR-13-00018-ARW-178-A	December 7, 2014	December 7, 2014	Inspecting Mechanical Thimbles on Roof Slab 4" Steel, 6" Steel, 6" Stainless Steel	December 7, 2014	No Exceptions Noted		
IR-13-00018-ARW-179-A	December 7, 2014	December 7, 2014	Inspecting Balance Tank Roof Slab Electrical Conduits	December 7, 2014	No Exceptions Noted		
IR-13-00018-ARW-180-A	December 7, 2014	December 7, 2014	Inspecting the Level & Compacted Subgrade Layer for Foundation Edge of Chlorination Room Prior to Receive Base Course Layer-Level 266.10m	December 7, 2014	No Exceptions Noted		
IR-13-00018-ARW-181-A	December 9, 2014	December 9, 2014	Inspecting the Leveled and Compacted Base Course Layer for Chlorination Building Edge Foundation -Level 266.30m	December 9, 2014	No Exceptions Noted		
IR-13-00018-ARW-182-A	December 9, 2014	December 9, 2014	Inspecting the Leveled and Compacted Base Course Layer for Living Quarter Building Edge Foundation -Level 266.15m	December 9, 2014	No Exceptions Noted		
IR-13-00018-ARW-183-A	December 10, 2014	December 10, 2014	Inspecting Installation of Underground Electrical Conduits under Electrical Room Building	December 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-184-A	December 10, 2014	December 11, 2014	Inspecting Plumbing Fabrication of the Underground Living Quarter Utilities	December 10, 2014	No Exceptions Noted		
IR-13-00018-ARW-185-A	December 11, 2014	December 11, 2014	Inspecting Installation of the Electrical Conduits under the Living Quarter Foundation	December 11, 2014	No Exceptions Noted		
IR-13-00018-ARW-186-A	December 16, 2014	December 16, 2014	Inspecting Installation of Underground Electrical Conduits and Earthing under Electrical Metering Room Building	December 16, 2014	No Exceptions Noted		
IR-13-00018-ARW-187-A	December 17, 2014	December 17, 2014	Inspecting Steel Reinforcement and Formwork Closing for Foundation of Electrical Metering Building and Electrical Conduits Trench Prior to Concrete Casting	December 17, 2014	No Exceptions Noted		
IR-13-00018-ARW-188-A	December 17, 2014	December 17, 2014	Inspecting Steel Reinforcement and Formwork Closing for Living Quarter Room Foundation Prior to Concrete Casting	December 17, 2014	No Exceptions Noted		
IR-13-00018-ARW-189-A	December 24, 2014	December 24, 2014	Inspecting Installation and Location of Electrical & Metering Building Earthing and Trench Conduits	December 24, 2014	Amend and Resubmit		
IR-13-00018-ARW-189-B	December 24, 2014	December 25, 2014	Inspecting Installation and Location of Electrical & Metering Building Earthing and Trench Conduits	December 24, 2014	Amend and Resubmit		
IR-13-00018-ARW-190-A	December 24, 2014	December 24, 2014	Inspecting the Single Size Backfill Under the Ground Slab of the Living Quarter Room.	December 24, 2014	No Exceptions Noted		
IR-13-00018-ARW-191-A	December 24, 2014	December 24, 2014	Inspecting RENDROC FC, NITO BOND SBR 201 and CONBEXTRA HF	December 24, 2014	No Exceptions Noted		
~~IR-13-00018-ARW-192-A~~	~~December 24, 2014~~	~~December 27, 2014~~	~~Inspecting the Slab on Grade Steel Reinforcement of the Electrical Metering Room and Trenches Prior to Concrete Casting~~	Retracted on Dec.25, 2014			
~~IR-13-00018-ARW-193-A~~	~~December 24, 2014~~	~~December 27, 2014~~	~~Inspecting the Formwork and Steel Reinforcement for the Ground Slab of the Living Quarter Prior to Concrete Casting~~	Retracted on Dec.25, 2014			
IR-13-00018-ARW-193-A	December 28, 2014	December 28, 2014	Inspecting the Formwork and Steel Reinforcement for the Ground Slab of the Living Quarter Prior to Concrete Casting	December 28, 2014	No Exceptions Noted		
IR-13-00018-ARW-194-A	December 30, 2014	December 30, 2014	Inspecting Concrete Surface Repair for the External Walls of the Balance Tank Part (3+4) Prior to applying Rendroc FC	December 30, 2014	Amend and Resubmit		
IR-13-00018-ARW-195-A	December 31, 2014	December 31, 2014	Inspecting Vent Pipes for Living Quarter Building	December 31, 2014	No Exceptions Noted		
IR-13-00018-ARW-196-A	December 31, 2014	January 1, 2015	Inspecting Formwork Erection for Walls of Living Quarter Building Prior to Start Steel Reinforcement				

ARW 22.6 Submittals Log

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IRD International Relief & Development

SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Dispositions/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	**Submittal Description**	**Specification Number**	**Submittal Category**	**Submittal Classification**	**Submittal Type**	**Project Identifier**	**Schedule Activity ID**	**BOQ Item No.**	**Rev.**	**Contractual Submission Date**	**Actual Submission Date from Subcontractor**	**Actual Submission Date**	**Submission Delay**	**Response Needed by (Max. 30 days)**	**Date Returned to IRD**	**Total Engineer Response Time**	**Submittal Disposition (Grade)**	**Remarks**
SUB-00018-ARW-180-B	Temporary Dumping Area Extension for Arraba Well	Section 01313, para.1	AD	CONS	SUB	ARW			B		November 30, 2014	December 2, 2014		January 1, 2015	December 8, 2014	6	B	
SUB-00018-WER-262-B	Admixture for Concrete (Conplast SP 430)	Section 03300-Part 2.1-C-5-f-4	PD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 16, 2014	1	A	
~~SUB-00018-WER-268-B~~	~~Protective Coating-Nitocote SN522-Primer Type for Balance Tank External Concrete Surfaces.~~	~~Section 09800-Paragraph: 2.2-O~~	~~PD~~	~~CONS~~	~~SUB~~	~~WER~~			~~B~~		~~November 30, 2014~~	~~December 4, 2014~~		~~January 3, 2015~~	~~December 8, 2014~~			Retracted
SUB-00018-WER-268-B	Protective Coating-Nitocote SN522- Primer Type for Balance Tank External Concrete Surfaces.	Section 09800-Paragraph: 2.2-O	PD	CONS	SUB	WER			B		From main contractor directly	December 10, 2014		January 9, 2015	December 14, 2014	4	A	
SUB-00018-ARW-295-B	Living Quarters Building Shop Drawing (Electrical)-Arraba Well Project	Section: 16110-Paragraph: 1.2B	SD	CONS	SUB	ARW			B		December 2, 2014	December 10, 2014		January 9, 2015	December 14, 2014	4	B	
SUB-00018-ARW-296-C	Electrical Metering Building Shop Drawing (Electrical)-Arraba Well Project	Section: 16110-Paragraph: 1.2B	SD	CONS	SUB	ARW			C		December 21, 2014	December 25, 2014		January 24, 2015	December 29, 2014	4	B	
SUB-00018-WER-455-B	Method Statement for B.T Foundation Concrete Pouring	SEC.03300-Contractor's Manual 4.1.6	AD	CONS	SUB	WER			B		From main contractor directly	December 4, 2014		January 3, 2015	December 4, 2014	0	A	
SUB-00018-WER-463-B	QC Monthly Report- August 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER	PCS-WER-200		B		From main contractor directly	December 11, 2014		January 10, 2015	December 14, 2014	3	A	
SUB-00018-SNW-466-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed	Section 01300- Part : 1.8.B.1.D	AD	CONS	SUB	SNW			B		November 30, 2014	December 1, 2014		December 31, 2014	December 4, 2014	3	B	
SUB-00018-SNW-481-B	Electrical Metering Building Shop Drawings (Electrical)	16110- Paragraph 1.2 (B)	SD	CONS	SUB	SNW			B		December 18, 2014	December 18, 2014		January 17, 2015	December 29, 2014	11	B	
SUB-00018-ARW-503-B	Checkers Plate Shop Drawings (Structural)	01300 & 05500-Paragraph 1.8B & 2.9	SD	CONS	SUB	ARW			B		December 21, 2014	December 23, 2014		January 22, 2015	December 30, 2014	7	B	
SUB-00018-SNW-504-B	Checkers Plate Shop Drawings (Structural)	01300 & 05500-Paragraph 1.8B & 2.9	SD	CONS	SUB	SNW			B		December 21, 2014	December 23, 2014		January 22, 2015	December 30, 2014	7	B	
SUB-00018-WER-514-B	QC Monthly Report- September 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	December 10, 2014		January 9, 2015	December 11, 2014	1	A	
SUB-00018-WER-515-B	Precast Concrete Curbs Plant Qualification (Al-Fares Co. for Block and Building Materials)	Section: 02464- Paragraph: 3.11 & 3.12	AD	CONS	SUB	WER			B		December 16, 2014	December 16, 2014		January 15, 2015	December 22, 2014	6	A	
SUB-00018-ARW-537-B	Booster Pump Shop Drawings for Arraba Well Station	Section: 11101- Paragraph: 1.3	SD	CONS	SUB	ARW			B		December 8, 2014	December 10, 2014		January 9, 2015	December 18, 2014	8	B	
SUB-00018-ARW-545-B	Arraba Well Rig Slab Shop Drawings (Structural)	Section 02464- Paragraph: 1.2A	SD	CONS	SUB	ARW			B		December 24, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	B	
SUB-00018-WER-564-B	Electric Heating	Section: 15549 -Paragraph: 2.1 & 2.2	PD	CONS	SUB	WER			B		December 8, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-WER-580-B	Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2 - A,C,E	PD	CONS	SUB	WER			B		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-WER-584-A	Wall Mounted Toilet Exhaust Fans, Direct-Drive In Living Quarters	Section: 15830- Paragraph: 2.3	PD	CONS	SUB	WER			A		December 7, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-ARW-592-B	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			B		From main contractor directly	December 4, 2014		January 3, 2015	December 8, 2014	4	B	
SUB-00018-SNW-593-B	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			B		From main contractor directly	December 4, 2014		January 3, 2015	December 8, 2014	4	B	
SUB-00018-WER-595-B	Plaster Accessories	Section 09200- Paragraph: 1.3B & 2.3A	PD	CONS	SUB	WER			B		December 22, 2014	December 23, 2014		January 22, 2015	December 28, 2014	5	B	
SUB-00018-WER-603-B	Plumping Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER			B		December 3, 2014	December 3, 2014		January 2, 2015	December 4, 2014	1	B	
SUB-00018-WER-614-B	Confined Space Safety Plan	Contractor's Manual - Section: 4.1	AD	CONS	SUB	WER			B		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-WER-615-B	Modified Formwork Design Calculations for B.T Elevated Roof Slab	Section 03100- Paragraph: 3.7	AD	CONS	SUB	WER			B		From main contractor directly	December 3, 2014		January 2, 2015	December 4, 2014	1	B	
SUB-00018-WER-616-A	Steel Welders Qualification Test Certificates	Section: 02570- Paragraph : 1.3J	AD	CONS	SUB	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	A	
SUB-00018-WER-617-A	Plastering, Tiles and Blocks Mix Design	Sections: 09200, 09300, 09310, and 04232	TR	CONS	Lab Test	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	B	
SUB-00018-WER-618-A	Method Statement for Finishing Works of Buildings (External & Internal)	Sections: 09200, 09300, 09310, and 04232	AD	CONS	SUB	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	C	
SUB-00018-WER-618-B	Method Statement for Finishing Works of Buildings (External & Internal)	Sections: 09200, 09300, 09310, and 04232	AD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 18, 2014	3	B	
SUB-00018-SNW-619-A	Test Report on Concrete Compressive Strength at 28 Days of Age – S.O.G for Living Quarter	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 1, 2014	0	A	
SUB-00018-SNW-620-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall Section C	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 1, 2014	0	A	
SUB-00018-ARW-621-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Arraba B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 2, 2014	1	A	
SUB-00018-ARW-622-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section C	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 2, 2014	1	A	
SUB-00018-ARW-623-A	Finish Ground Level for Arraba Well after Slightly Shifting as Per B&V Response on RFI -18-WER-053	N/A	SD	CONS	SUB	ARW			A		December 1, 2014	December 1, 2014		December 31, 2014	December 10, 2014	9	A	
SUB-00018-WER-624-A	Aluminum Window	Section: 08520, Paragraph: 1.2.1 & 1.2.2	PD	CONS	SUB	WER			A		October 29, 2014	December 2, 2014		January 1, 2015	December 7, 2014	5	C	
SUB-00018-WER-624-B	Aluminum Window	Section: 08520, Paragraph: 1.2.1 & 1.2.2	PD	CONS	SUB	WER			B		December 28, 2014	December 29, 2014		January 28, 2015	December 31, 2014	2	B	
SUB-00018-ARW-625-A	Field Density Compaction Test for Substrata – Living Quarter Room / Level (265.60m)	Section 02200	TR	CONS	SUB	ARW			A		From main contractor directly	December 3, 2014		January 2, 2015	December 7, 2014	4	A	
SUB-00018-WER-626-A	Ceramic Tile	Section 09310, Paragraph: 2.1B	PD	CONS	SUB	WER			A		December 3, 2014	December 3, 2014		January 2, 2015	December 10, 2014	7	D	
SUB-00018-WER-627-A	QC Monthly Report- November 2014	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	December 7, 2014		January 6, 2015	December 8, 2014	1	C	
SUB-00018-WER-627-B	QC Monthly Report- November 2014	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 24, 2014	9	B	
SUB-00018-WER-628-A	Replacement of Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section: 17100- Paragraph:1.1E	AD	CONS	SUB	WER			A		December 7, 2014	December 7, 2014		January 6, 2015				Pending
SUB-00018-WER-629-A	PVC Membrane	2.3A, 2.1B-b-1	PD	CONS	SUB	WER			A		December 3, 2014	December 9, 2014		January 8, 2015	December 14, 2014	5	D	
SUB-00018-WER-630-A	Lab Testing Report for Manhole Cover and Frame	Section 02490	TR	CONS	Lab Test	WER			A		From main contractor directly	December 9, 2014		January 8, 2015	December 9, 2014	0	A	
SUB-00018-WER-631-A	Visual Inspection Report of Welded Steel Thimbles - B.T Roof	Section 02570	TR	CONS	Lab Test	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 10, 2014	0	A	
SUB-00018-WER-632-A	Monthly Safety Plan Update - November, 2014	Contractor`s Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 11, 2014	1	A	
SUB-00018-WER-633-A	Monthly Risk Management Plan Update - November, 2014	Contractor`s Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 16, 2014	6	B	
SUB-00018-ARW-634-A	Operation and Maintenance Technical Manual (Table of Contents)-Sanur Well Project	Section 01781 - Paragraph: 1.6 & 1.7	AD	CONS	SUB	ARW			A		December 8, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-WER-635-A	Chlorination Room Eye Wash	Section: 15440- Paragraph: 2.2	PD	CONS	SUB	WER			A		December 7, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
~~SUB-00018-WER-636-A~~	~~Containment Pallet Ramp – Alternative~~	~~Section: 11259- Paragraph: 2.3C~~	~~PD~~	~~CONS~~	~~SUB~~	~~WER~~			~~A~~		~~November 29, 2014~~	~~December 10, 2014~~		~~January 9, 2015~~	~~December 10, 2014~~			Retracted
SUB-00018-WER-637-A	Electrical and Control Building Air Conditioning Calculations as per RFI-18-WER-C-E-020	Section: 15700 & 15730	PD	CONS	SUB	WER			A		December 8, 2014	December 10, 2014		January 9, 2015	December 16, 2014	6	C	

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SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Disposition/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-ARW-638-A	Revised Underground Electrical Conduits Shop Drawings for Living Quarter	Sections: 16110 & 16450 Paragraph: 1.2B & 1.2B	SD	CONS	SUB	ARW			A		December 9, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-ARW-639-A	Soil Confirmation Report for L.Q Building – Arraba Well	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-640-A	Field Density Compaction Test for Substrata – Chlorination Building Edge Foundation / Level (265.90)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-641-A	Field Density Compaction Test for Subgrade – Chlorination Building Edge Foundation / Level (266.10m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-642-A	Field Density Compaction Test for Subgrade – Living Quarter Building Edge Foundation / Level (265.95m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-643-A	Field Density Compaction Test for Base Course – Living Quarter Building Edge Foundation / Level (266.15m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-644-A	Test Report on Reinforcement Steel Bars (Φ 12-Israeil) / B.T Roof Slab	Section 03200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-645-A	Test Report on Reinforcement Steel Bars (Φ 12-Turky) / Qanazeh Supplier	Section 03200	TR	CONS	Lab Test	WER			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-SNW-646-A	Test Report on Reinforcement Steel Bars (Φ 12 & Φ 16 - Israel)	Section 03200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-647-A	Monthly Environmental Plan Update and Mitigation Plan Update-November 2014	Contractor`s Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	December 11, 2014		January 10, 2015	December 16, 2014	5	A	
SUB-00018-ARW-648-A	Field Density Compaction Test for Base Course – Chlorination Room Edge Foundation / Level (266.30m)	Section 02200	TR	CONS	SUB	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-649-A	Updated CPM Construction Schedule-November 2014	Section 01311	AD	CONS	SUB	WER			A		From main contractor directly	December 14, 2014		January 13, 2015	December 21, 2014	7	C	
SUB-00018-WER-649-B	Updated CPM Construction Schedule-November 2014	Section 01311	AD	CONS	SUB	WER			B		From main contractor directly	December 22, 2014		January 21, 2015	December 28, 2014	6	B	
SUB-00018-ARW-650-A	Arraba Booster Pumps Barrel Shop Drawing	Section: 11103	SD	CONS	SUB	ARW			A		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-SNW-651-A	Sanur Booster Pumps Barrel Shop Drawing	Section: 11103	SD	CONS	SUB	SNW			A		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-WER-652-A	Chemical Diffuser	Section: 11259- Paragraph: 2.13 A, B & C	PD	CONS	SUB	WER			A		December 13, 2014	December 14, 2014		January 13, 2015	December 16, 2014	2	D	
SUB-00018-WER-653-A	QA/QC Submittal Register Monthly Update – November, 2014	Contractor's manual, 4.1-construction submittals (3), Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	December 15, 2014		January 14, 2015	December 28, 2014	13	B	
SUB-00018-ARW-654-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Roof Slab	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 15, 2014		January 14, 2015	December 16, 2014	1	A	
SUB-00018-WER-655-A	Electrical Metering Building HVAC Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	WER			A		December 15, 2014	December 15, 2014		January 14, 2015	December 16, 2014	1	B	
SUB-00018-WER-656-A	Living Quarter HVAC Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	WER			A		December 15, 2014	December 15, 2014		January 14, 2015	December 16, 2014	1	C	
SUB-00018-ARW-657-A	Variable Frequency Drives for Booster Pump & Well Pump (SIMENS)	Section: 16455	PD	CONS	SUB	ARW			A		December 15, 2014	December 15, 2014		January 14, 2015				Pending
SUB-00018-SNW-658-A	Variable Frequency Drives For Booster Pump (SIEMENS)	Section: 16455	PD	CONS	SUB	SNW			A		December 15, 2014	December 15, 2014		January 14, 2015				Pending
SUB-00018-WER-659-A	Terrazzo Tiles	Section: 09300-Paragraph: 2.1 A	PD	CONS	SUB	WER			A		December 15, 2014	December 16, 2014		January 15, 2015	December 24, 2014	8	A	
SUB-00018-WER-660-A	Padmount Transformers	Section: 16400- Paragraph: 2.1	PD	CONS	SUB	WER			A		December 16, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-ARW-661-A	Arraba Chlorination Room Mechanical Shop Drawings	Section 15000	SD	CONS	SUB	ARW			A		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-SNW-662-A	Sanur Chlorination Room Mechanical Shop Drawings	Section 15000	SD	CONS	SUB	SNW			A		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-SNW-663-A	Booster Pump Shop Drawings for Sanur Well Station (Structural & Architectural)	Section: 11101- Paragraph: 1.3	SD	CONS	SUB	SNW			A		December 16, 2014	December 17, 2014		January 16, 2015	December 18, 2014	1	B	
SUB-00018-WER-664-A	PLC-Based Control System Hardware	Section: 17510-2.4A, B, C, D & E	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-665-A	Manhole Covers And Frames (Sewage and Water)	Section: 02940-Paragraph: 2.2	PD	CONS	SUB	WER			A		December 14, 2014	December 18, 2014		January 17, 2015	December 18, 2014	0	B	
SUB-00018-SNW-666-A	Test Report on Concrete Compressive Strength at 28 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	December 18, 2014		January 17, 2015	December 18, 2014	0	A	
SUB-00018-SNW-667-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T Roof Slab	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 18, 2014		January 17, 2015	December 18, 2014	0	A	
SUB-00018-SNW-668-A	Method Statement for Septic Tank and seepage Pit Construction - Sanur Well Project	Section: 02671	AD	CONS	SUB	SNW			A		From main contractor directly	December 18, 2014		January 17, 2015	December 22, 2014	4	B	
SUB-00018-WER-669-A	Servers, Network Components & UPS	Section: 17510 - 2.3(A,B,C,D)-2.6(A,B,C,D,E,F,G)-2.7(A,B,D,J,K,L)	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-670-A	Copper Pipe, Copper Pipe Coated and Cobra PVC Conduit	Section: 15730- Paragraph: 2.1 & 2.2	SMP	CONS	SUB	WER			A		December 15, 2014	December 18, 2014		January 17, 2015	December 21, 2014	3	A	
SUB-00018-WER-671-A	Calibration Column	Section: 11259- Paragraph: 2.10A	PD	CONS	SUB	WER			A		December 16, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-672-A	Low Voltage Motor Control Center - Material	Section: 16480-1.2,(2.1(A,B))-(2.2(A,B,C,D,E,F,G)-(2.3(A,B,C,D,E,F,G)-(2.4.G)-(2.8.A)	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-673-A	MOTOR TRANSFER SWTICH-COMPOMENT	Section: 16480	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-SNW-674-A	Variable Frequency Drive Units(500hp)-Sanur as per SM-13-18-WER-E-C-007	Section: 16455	PD	CONS	SUB	SNW			A		December 21, 2014	December 21, 2014		January 20, 2015				Pending
SUB-00018-WER-675-A	Method Statement for De-Shuttering of the Elevated Roof Slabs of Balance Tanks	Section: 3100-Paragraph: 3.5	AD	CONS	SUB	WER			A		From main contractor directly	December 21, 2014		January 20, 2015	December 24, 2014	3	C	
SUB-00018-WER-675-B	Method Statement for De-Shuttering of the Elevated Roof Slabs of Balance Tanks	Section: 3100-Paragraph: 3.5	AD	CONS	SUB	WER			B		From main contractor directly	December 25, 2014		January 24, 2015	December 25, 2014	0	A	
SUB-00018-WER-676-A	Testing And Disinfection Of Concrete Structures (Water Hydraulic Structure)	Section: 01650	AD	CONS	SUB	WER			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	B	
SUB-00018-SNW-677-A	Soil Confirmation Report for Fence Wall – Sanur Well Segment BC / (0+016 to 0+068)	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-SNW-678-A	Field Density Compaction Test for Sub Grade - Fence Wall Foundation (0+016- 0+044) – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-SNW-679-A	Field Density Compaction Test for Base Course - Fence Wall Foundation (0+016- 0+044) – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-WER-680-A	Scupper Drain for Buildings	Section: 15430- Paragraph: 2.8	SMP	CONS	SUB	WER			A		December 22, 2014	December 22, 2014		January 21, 2015	December 23, 2014	1	B	
SUB-00018-ARW-681-A	Arraba Well Pump Shop Drawings	Section: 11101	SD	CONS	SUB	ARW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 23, 2014	0	B	
SUB-00018-SNW682-A	Sanur Well Pump Shop Drawings	Section: 11101	SD	CONS	SUB	SNW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 23, 2014	0	B	
SUB-00018-ARW-683-A	Mill Certificates for Arraba Booster Pump Ancillarics	Section: 01300	AD	CONS	SUB	ARW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 24, 2014	1	A	
SUB-00018-SNW-684-A	Mill Certificates for Sanur Booster Pump Ancillaries	Section: 01300	AD	CONS	SUB	SNW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 24, 2014	1	A	
SUB-00018-ARW-685-A	Earth Shop Drawings for Chlorination and Storage Building	Section: 16450- Paragraph: 1.2B	SD	CONS	SUB	ARW			A		December 18, 2014	December 23, 2014		January 22, 2015	December 29, 2014	6	B	

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SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Disposition/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-SNW-686-A	Water Drain System Shop Drawings for Sanur L.Q	Section: 15430-Paragraph: 2.8	SD	CONS	SUB	SNW			A		December 24, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-687-A	Water Drain System Shop Drawings for Arraba L.Q	Section: 15430-Paragraph: 2.8	SD	CONS	SUB	ARW			A		December 23, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-688-A	Revised Shop Drawing for Arraba Electrical Metering Building (Architectural & Structural)	Section: 01300-Paragraph: 1.8B	SD	CONS	SUB	ARW			A		December 21, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-SNW-689-A	Revised Shop Drawing for Sanur Electrical Metering Building (Architectural & Structural)	Section: 01300-Paragraph: 1.8B	SD	CONS	SUB	SNW			A		December 24, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-690-A	Underground Electrical Conduits Shop Drawings for Chlorination and Storage Building	16110- Paragraph: 1.2B	SD	CONS	SUB	ARW			A		December 18, 2014	December 25, 2014		January 24, 2015				Pending
SUB-00018-SNW-691-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section E2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 28, 2014		January 27, 2015	December 28, 2014	0	A	
SUB-00018-ARW-692-A	Arraba Station Entrance Level & Section Shop Drawings	Section 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			A		December 24, 2014	December 28, 2014		January 27, 2015				Pending
SUB-00018-SNW-693-A	Underground Electrical Conduits and Earth Shop Drawings for Chlorination and Storage Building	Section 01300- Paragraph: 1.3	SD	CONS	SUB	SNW			A		December 24, 2014	December 28, 2014		January 27, 2015				Pending
SUB-00018-WER-694-A	Building Steel Doors Company Profile	Section: 08110	AD	CONS	SUB	WER			A		November 12, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	A	
SUB-00018-WER-695-A	PVC Sch80 Pipes and Fittings for Portable Water Service – Welding Solvent	Section: 15000- Paragraph: 1.2B-2	PD	CONS	SUB	WER			A		December 16, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	A	
SUB-00018-WER-696-A	Medium Voltage Metal-Enclosed Switch Gear 36KV	Section: 16362	PD	CONS	SUB	WER			A		December 28, 2014	December 29, 2014		January 28, 2015				Pending
SUB-00018-SNW-697-A	Field Density Compaction Test for Sub-Grade – Chlorination Room Edge Footing	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-698-A	Field Density Compaction Test for Base Course – Chlorination Room Edge Footing	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-699-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-700-A	Field Density Compaction Test for Subgrade – Electrical and Control Building	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
~~SUB-00018-SNW-701-A~~	~~Test Report on Granular Base Course Material – Sanur / Under Foundation~~	~~Section 02200~~	~~TR~~	~~CONS~~	~~Lab Test~~	~~SNW~~			~~A~~		~~From main contractor directly~~	~~December 30, 2014~~		~~January 29, 2015~~	~~December 31, 2014~~			Retracted
SUB-00018-SNW-701-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Fence Wall Foundation / Station (0+016 to 0+068)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 31, 2014		January 30, 2015	December 31, 2014	0	A	
SUB-00018-ARW-702-A	Test Report on Concrete Compressive Strength at 7 Days of Age – L.Q and EMR Edge Foundation & Trenches	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-703-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-704-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Foundation of EMR, L.Q Walls and Fence Wall Stations (0+000 to 0+016)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-705-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section D	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-ARW-706-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section E2	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	

ARW 22.7 Requests for Information Log

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

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

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
~~RFI-18-WER-C-E-057~~	~~Internal Ladders of the Balance Tank~~		~~Section 05500~~	~~Program Standard Details -Sheet GS-10~~	~~December 2, 2014~~			~~Retracted~~		December 8, 2014
~~RFI-18-WER-C-E-057~~	~~Internal Ladders of the Balance Tank~~		~~Section 05500~~	~~Program Standard Details -Sheet GS-10~~	~~December 8, 2014~~			~~Retracted~~		December 21, 2014
RFI-18-WER-C-E-058	Roof Slab Insulation		Section 07545		December 21, 2014	December 24, 2014	3	Response	CMC has no objection to use the proposed SBS Bitumen membrane 5 mm with screed concrete instead of PVC membrane. However, Contractor to submit shop-drawing and material for CMC acceptance Contractor to submit a VOR accordingly.	
RFI-18-WER-C-E-059	Chlorination Building Floors Finish		Sections 09300, 09800	Program Standard Details GA-3	December 23, 2014	December 31, 2014	8	Response	Contractor to Provide Floor Tiles as Specified	
RFI-18-WER-C-E-060	IEEE and NEMA MG-1 Tests for the Electrical Motors		Sections SEC-16460 Para. 3.2	Others-Engineer Response on RFI#049	December 23, 2014			Pending		
RFI-18-WER-C-E-061	Response To: RFI-013-00018-WER-C-E-055-Tank Roof Hand Rail and External Ladder		Section 05500		December 25, 2014			Pending		
RFI-18-WER-C-E-062	Septic Seepage Pit		Sections 02200, 03300	Program Standard Design DWGs-SSC-1, SSC-2	December 28, 2014	December 30, 2014	2	Response	Contractor's proposal is not accepted. Contractor to comply with the contract document as per specification sections 010101-1.1-A and 01025-A & B	
RFI-18-WER-C-E-063	Multi-Core Power Cables 4x300 mm+1x120 mm		Sections 16120		December 28, 2014			Pending		

ARW 22.8 Variation Order Request and Variation Order Log

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International Relief & Development

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

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

International Relief & Development

		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 no.	Date	Revision Date	Time Modification	Modification Cost ($)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
~~VOR-00018-WER-008-A~~	November 25, 2014		11 Days	6880.10$			IRs.#019 & 022, RFI.#040, Approved DJCRs.#291, 293, 294, 296, 301, 303, 306, 307, 308, 309, 310 and Hijjawi Lab Report.#M/1407/186	1- Extra excavations at SNW Balance Tank area-Booster pumps suction header area to an extra depth of 2 meters. 2- Back filling of 4 layers of base course, spreading and compaction.	Retracted on December 29, 2014	

ARW 22.9 Employment Generated Data

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USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

CONTRACT NO. AID-294-I-00-12-00003

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

Wells Rehabilitation Project-WER

Temproray Job Days Summary Report

Task Order Name: Wells Rehabilitation Project-WER

PERIOD FROM: Oct-23-2013 (NTP)

Sub-project or Activity Name: Project 1-ARW Arraba Well Pump Station

PERIOD TO:

CONTRACTOR: IRD

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Males)	Total Job Days (Females)	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	5	0	0	0	0	5	0	5	0	
November	2013	44	0	4	5	1	53	2	53	0	
December	2013	53	21	30	14	27	144	6	136	8	
January	2014	65	60	100	55	88	368	15	339	29	
February	2014	64	62	57	87	102	371	16	342	29	
March	2014	75	78	171	122	105	550	23	508	42	
April	2014	78	77	129	85	178	547	23	482	65	
May	2014	84	83	263	141	233	803	34	738	65	
June	2014	78	78	277	163	225	820	34	768	52	
July	2014	72	69	208	113	195	656	28	609	47	
August	2014	78	78	247	161	220	784	33	732	52	
September	2014	82	79	232	155	194	742	31	695	47	
Total of FY 2014							5843	245.4989496	5407	436	
October	2014	67	66	163	131	188	615	26	582	33	
November	2014	80	79	217	157	189	721	30	682	39	
December	2014	80	81	204	134	202	701	29	660	41	
January	2015						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							2037	85.56722689			

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

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

DATE	Site Staff Job Days **																									Man-days*				
	Worker/Classification (Hours)																													
	Management				Engineers					Skilled labor				Unskilled labor		Other														
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc ..	Document Control Engineer(F)	Document Control Engineer	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard/ Security	Janitor (F)	Janitor	Document Control Officer	Surveyor	Surveyor Assistant	Welder	Geological	Driver	Supervisor	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
December 1, 2014	4	4	4	8	4	4	4	4	8	8	56	8	13		56	36	4	8		4						2.5	3	10.63	7	6.5
December 2, 2014	4	4	4	8	4	4	4	4	8	8	56	8	12		56	36	4	8		4						2.5	3	10.5	7	6.5
December 3, 2014	4	4	4	8	4	4	4	4	8	8	56	8	11		56	36	4	8		4				8		2.5	3	10.38	7	7.5
December 4, 2014	4	4	4	8	4	4	4	4	8	8	56	8	8		56	36	4	8		4						2.5	3	10	7	6.5
December 5, 2014																36										0	0	0	0	4.5
December 6, 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
December 7, 2014	4	4	4	12	4	4	4	4	8	8	64	8	12		72	36	4	8		4						3	3	11.5	9	6.5
December 8, 2014	4	4	6	12	4	4	4	4	8	8	16	8	11		16	36	4	8		4						3.25	3	5.375	2	6.5
December 9, 2014	4	4	6	12	4	4	4	4	8	8	24	8	10		24	36	4	8		4						3.25	3	6.25	3	6.5
December 10, 2014	4	4	6	12	4	4	4	4	8	8	16	8	8		16	36	4	8		4						3.25	3	5	2	6.5
December 11, 2014	4	4	6	12	4	4	4	4	8	8	16	8	8		16	36	4	8		4				8		3.25	3	5	2	7.5
December 12, 2014																36										0	0	0	0	4.5
December 13, 2014	4	4	4	12	4	4	4	4	8	8	32	8	8		32	36	4	8		4						3	3	7	4	6.5
December 14, 2014	4	4	4	12	4	4	4	4	8	8		8			8	36	4	8		4						3	3	2	1	6.5
December 15, 2014	4	4	4	12	4	4	4	4	8	8	32	8	4		40	36	4	8		4						3	3	6.5	5	6.5
December 16, 2014	4	4	4	12	4	4	4	4	8	8	72	8	4		72	36	4	8		4						3	3	11.5	9	6.5
December 17, 2014	4	4	4	12	4	4	4	4	8	8	64	8	4		64	36	4	8		4						3	3	10.5	8	6.5
December 18, 2014	4	4	4	12	4	4	4	4	8	8	32	8	4		32	36	4	8	4	4						3	3	6.5	4	7
December 19, 2014															2	36										0	0	0	0.25	4.5
December 20, 2014	4	4	4	12	4	4	4	4	8	8	16	8			16	36	4	8	4	4						3	3	4	2	7
December 21, 2014	4	4	4	12	4	4	4	4	8	8	48	8	2		48	36	4	8	4	4						3	3	8.25	6	7
December 22, 2014	4	4	4	12	4		4	4	8	8	24	8	3		24	36	4	8	4	4						3	2.5	5.375	3	7
December 23, 2014	4	4	4	12	4	4	4	4	8	8	16	8	3		16	36	4	8	4	4						3	3	4.375	2	7
December 24, 2014	4	4	4	12	4	4	4	4	8	8	24	8	2		32	36	4	8	4	4						3	3	5.25	4	7
December 25, 2014	4	4	4	12	4	4	4	4	8	8	64	8	1		64	36	4	8	4	4						3	3	10.13	8	7
December 26, 2014																36										0	0	0	0	4.5
December 27, 2014	4	4	4	12	4	4	4	4	8	8	48	8	1		48	36	4	8	4	4						3	3	8.125	6	7
December 28, 2014	4	4	4	12	4	4	4	4	8	8	64	8	1		64	36	4	8	4	4						3	3	10.13	8	7
December 29, 2014	4	4	4	12	4	4	4	4	8	8	32	8	2		32	36	4	8	4	4						3	3	6.25	4	7
December 30, 2014	4	4	4	12	4	4	4	4	8	8	40	8	6		40	36	4	8	4	4				2		3	3	7.75	5	7.25
December 31, 2014	4	4	4	12	4	4	4	4	8	8	16	16	6		16	36	4	8	4	4				2		3	3	5.75	2	7.25
Total of Month	**108**	**108**	**116**	**308**	**108**	**104**	**108**	**108**	**216**	**216**	**1040**	**224**	**152**	**0**	**1074**	**1116**	**108**	**216**	**48**	**108**	**0**	**0**	**0**	**20**	**0**	**80**	**80.5**	**204**	**134.3**	**202**

ARW 22.10 Risk Register Log

DISCLAIMER:

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

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such as 10" pipe and/or the buried electric cables	Delay in work, water shortage , electric shortage, injuries	Contractor	19th of March,.2014	2	2	4	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damag0ng these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking during pumping process.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel injuries (electric shock).	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	Construction	Fall of personnel during construction of Balance Tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars or any other objects.	Personnel injuries.	Contractor	September, 2014	2	1	2	No	No	Mitigate	Holding TB meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings. Good house-keeping of the site in all times.	IRD	Existing	
4	Construction	Fall of loose material during backfilling behind retaining wall and/or slipping of personnel and equipment due to wet ground.	The cut part in the hill west to the retaining wall could contain loose material that might be released and fall during rainy times. Slipping could occur due to Rain and that will wet the ground.	Personnel injuries.	Contractor	October, 2015	2	3	6	No	No	Mitigate	1- Initial release of an any possible loose materials. 2- All working personnel on moving equipment are instructed to strictly follow flag man directions. 3- Working personnel are instructed to avoid working and moving on wet ground, they should wait until the ground is dry. 4- The high area facing the retaining wall from western side is covered with and protected with plastic shelters from the highest point till the bottom of the ground.	IRD	Existing	
5	Contractor	Delay in procurement of big electrical equipment	Procurement of electrical equipment (control and instrumentation) might encounter a delay due changing supplier. The original supplier failed to fulfill specifications as per first few submittals he provided which were rejected by the Engineer.	Delay in commissioning date of the project	Contractor	25th of October, 2014	2	3	6	NO	Yes	Mitigate	Contractor is working closely with the Sub and the alternative supplier in leading all meetings and discussions in this regard. Huge efforts are made so far and extreme is being exerted on the alternative supplier to accelerate submission process of relevant submittals and to squeeze manufacturing period as much as possible to save time.	IRD	Existing	
6	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel injuries.	Contractor	27th of December, 2014	2	2	4	No	No	Mitigate	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Existing	

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period:

December 01- December 31, 2014

PROJECT 2-SANUR WELL PUMP STATION-SNW

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Attachments

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

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

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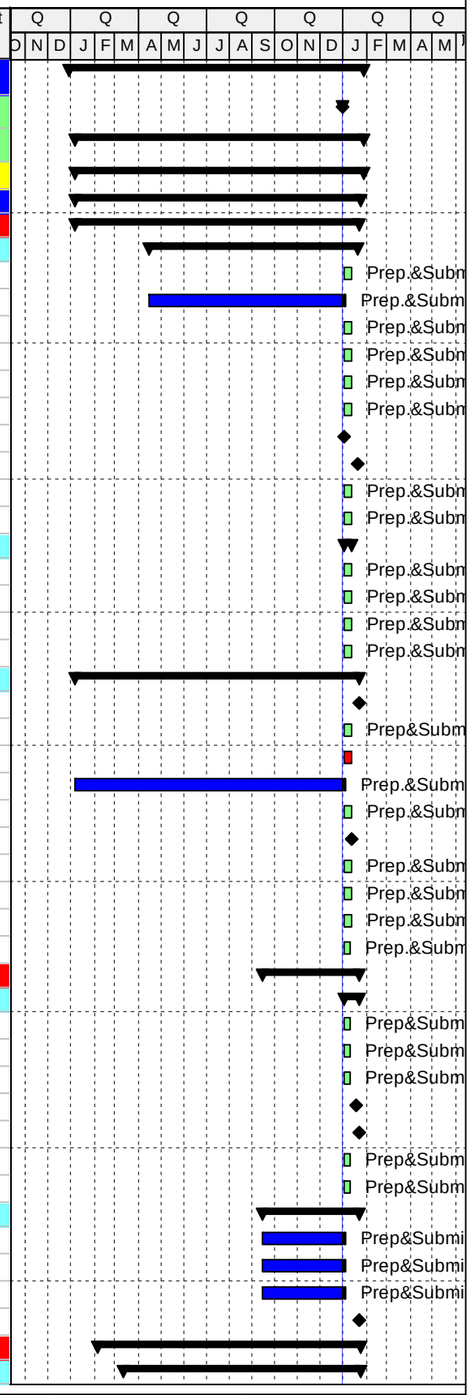
RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

One Month Lookahead

01-Jan-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS							
Milestones							
Submittals							
Construction Submittals							
Material Submittals							
Civil							
Building Works							
CS690	Prep.&Submit Rough&Finish Carpentary - Product Data	7	03-Jan-15	12-Jan-15			29
CS760	Prep.&Submit Sealants Caulking & Grout- Product Data & Sample	7	03-Jan-15	03-Jan-15	16-Apr-14		47
CS770	Prep.&Submit Steel Doors & Frames - Product Data & Sample	7	03-Jan-15	12-Jan-15			29
CS780	Prep.&Submit Flush Wood Doors - Sample	7	03-Jan-15	12-Jan-15			29
CS810	Prep.&Submit Coiling Doors & Grilles - Sample & Product Data	7	03-Jan-15	12-Jan-15			28
CS820	Prep.&Submit Aluminum Windows - Sample	7	03-Jan-15	12-Jan-15			15
CS895	Approval of Plastering Accessories - Sample	0		03-Jan-15			38
CS915	Approval of Terrazzo Tiles - Sample & Product Data	0		19-Jan-15			50
CS930	Prep.&Submit Ceramic Tiles - Sample & Product Data	7	03-Jan-15	12-Jan-15			29
CS982	Prep.&Submit Toilet Accessories - Sample & Product Data	7	03-Jan-15	12-Jan-15			29
Roads Works							
CS280	Prep.&Submit Asphalt Mix Design - Test Report	7	03-Jan-15	12-Jan-15			40
CS460	Prep.&Submit MC Prime Coat - Data Sheet	7	03-Jan-15	12-Jan-15			40
CS470	Prep.&Submit Asphalt Core Test	7	03-Jan-15	12-Jan-15			40
CS740	Prep.&Submit Road Accessories - Product Data & Sample	7	03-Jan-15	12-Jan-15			47
Miscellaneous							
CS485	Approval of Manhole Cover, Frame and Steps - Product Data	0		21-Jan-15			51
CS486	Prep&Submit Gates - Sample	7	03-Jan-15	12-Jan-15			92
CS510	Prep.&Submit Reinforced Concrete Pipe - Data Sheet & Certificates	7	03-Jan-15	12-Jan-15			-3
CS600	Prep.&Submit Anchors&Alaminum Roaf Hatches- Data Sheets&Certificates	7	03-Jan-15	03-Jan-15	06-Jan-14		34
CS610	Prep.&Submit External,Internal Ladders&Handrail - Product Data & Sample	7	03-Jan-15	12-Jan-15			28
CS705	Approval of PVC Memprane Roofing - Sample&Product Data	0		11-Jan-15			52
CS860	Prep.&Submit Finish & Hardware Product - Sample & Product Data	7	03-Jan-15	12-Jan-15			15
CS970	Prep.&Submit Lockers - Sample & Product Data	7	03-Jan-15	12-Jan-15			30
CS975	Prep.&Submit Storage Shelving - Sample	7	03-Jan-15	12-Jan-15			1
CS996	Prep.&Submit Toilet Accessories - Sample & Product Data	5	03-Jan-15	10-Jan-15			31
Mechanical							
Local Manufacturer							
CS341	Prep&Submit Copper Pipes - Product Data	5	03-Jan-15	10-Jan-15			94
CS351	Prep&Submit Refrigerant Pipes - Product Data	5	03-Jan-15	10-Jan-15			94
CS481	Prep&Submit Pipe,Duct Work&Equipment Insulation - Product Data	5	03-Jan-15	10-Jan-15			94
CS577	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Product Data/Test Reports	0		18-Jan-15			-11
CS667	Approval of Heat,Ventilation&Air Conditioning Equipment - Product Data	0		21-Jan-15			111
CS677	Prep&Submit Chlorination System Pumps,Tanks,Drums,Injectors,Hose Pips.	5	03-Jan-15	10-Jan-15			33
CS688	Prep&Submit KItchen Equipment - Product Data	5	03-Jan-15	10-Jan-15			31
Abroad Manufacturer (Long Lead Items)							
CS271	Prep&Submit Compressors, Tank-Mounted, Reciprocating	5	03-Jan-15	03-Jan-15	15-Sep-14		37
CS291	Prep&Submit Horizantal Louver Blinds - Sample	5	03-Jan-15	03-Jan-15	15-Sep-14		27
CS311	Prep&Submit Polyethylene Tank - Product Data	5	03-Jan-15	03-Jan-15	15-Sep-14		-20
CS547	Approval of Air Conditioning Units&Accessories	0		21-Jan-15			111
Electrical							
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)							

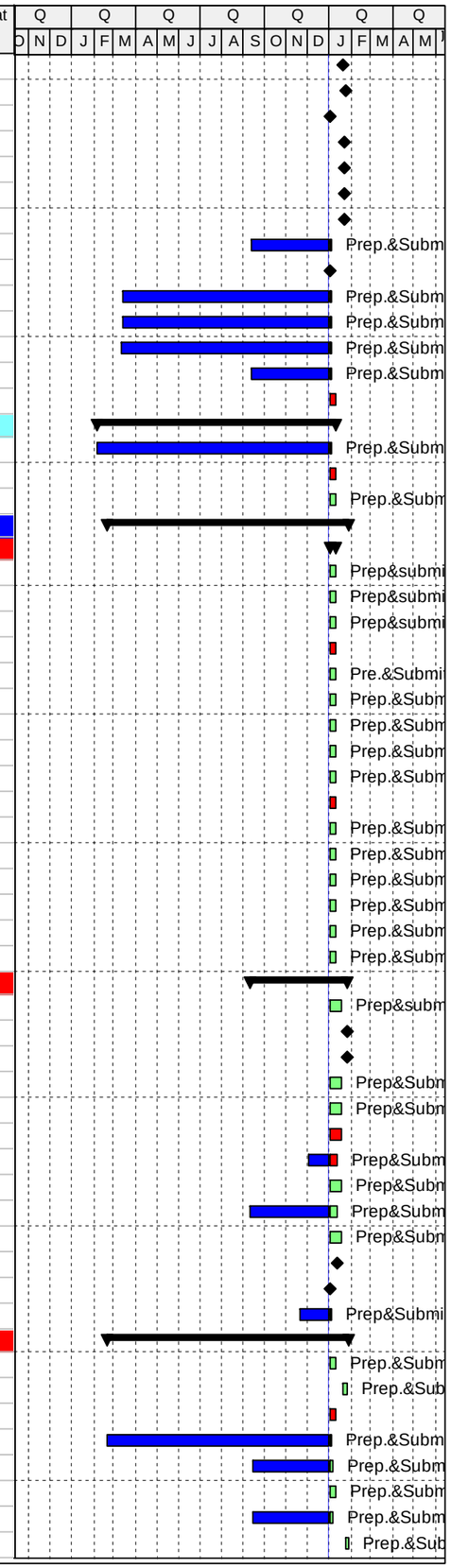


(New Bar) Summary
Actual Work
Remaining Work
Critical Remaining Work
Milestone

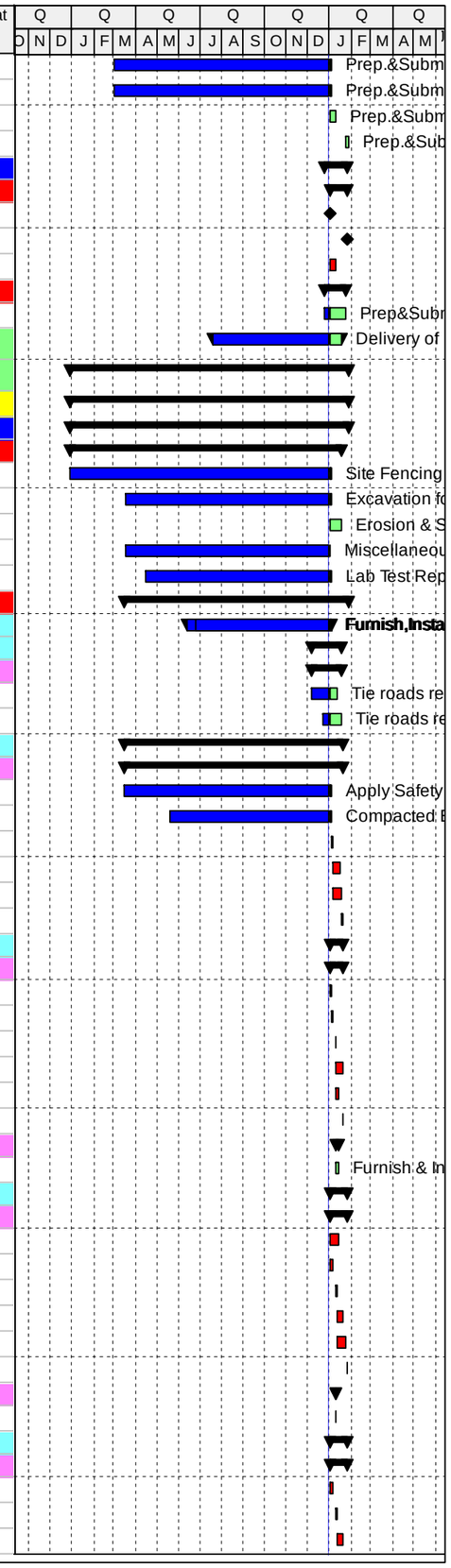
IRD International Relief & Development

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

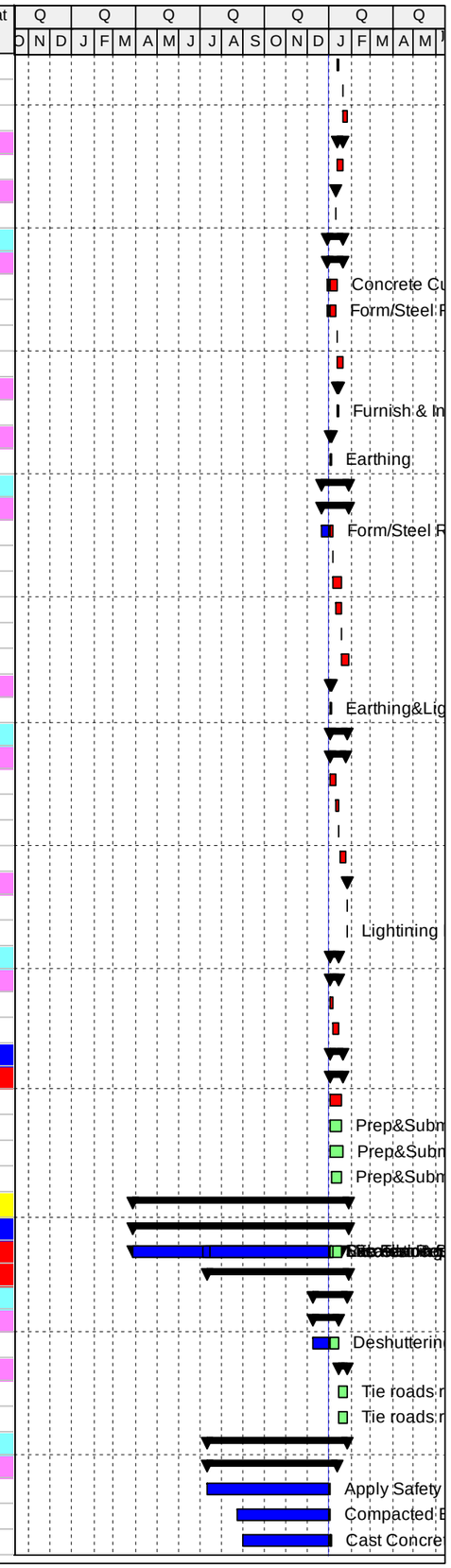
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
CS1155	Approval of Padmounted Transformers - Product Data (Akram Salah)	0		20-Jan-15			-31
CS1175	Approval of Variable Frequency Drive Units 400V - Product Data	0		25-Jan-15			-36
CS1195	Approval of Electric Motors - Product Data	0		03-Jan-15			-7
CS1225	Approval of Low Voltage Motor Control Center - Product Data	0		21-Jan-15			-21
CS1235	Approval of Local Control Stations and Miscellaneous Electrical Devices - Product Data	0		21-Jan-15			5
CS1275	Approval of Process Control&Instrumentation System - Product Data	0		21-Jan-15			-5
CS1285	Approval of PLC-Based Control Systems Hardware&Software - Product Data	0		21-Jan-15			-5
CS1290	Prep.&Submit In-Line Flow Measuring Systems - Product Data	5	03-Jan-15	03-Jan-15	12-Sep-14		-18
CS1305	Approval of Liquid Flow Detection Devices - Product Data	0		03-Jan-15			9
CS1310	Prep.&Submit Level Measuring System - Product Data&Certificates	5	03-Jan-15	03-Jan-15	15-Mar-14		-18
CS1320	Prep.&Submit Level Detection Switches - Product Data&Certificates	5	03-Jan-15	03-Jan-15	15-Mar-14		99
CS1330	Prep.&Submit Pressure Measuring System - Product Data&Certificates	5	03-Jan-15	03-Jan-15	13-Mar-14		99
CS1350	Prep.&Submit Analyzer Measuring Systems - Product Data&Certificates	5	03-Jan-15	03-Jan-15	12-Sep-14		1
CS1360	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates	5	03-Jan-15	10-Jan-15			0
Local Manufacturer							
CS1130	Prep.&Submit Wire,Cable&Wiring Devices - Product Data	5	03-Jan-15	03-Jan-15	06-Feb-14		-10
CS1210	Prep.&Submit Panels Boards - Product Data	5	03-Jan-15	10-Jan-15			-2
CS1250	Prep.&Submit Lightning Protection System - Product Data	5	03-Jan-15	10-Jan-15			22
Shop Drawings							
Civil							
CS334	Prep&submit Civil Shop Drawing for Chambers&Structural Elemments Detailed Reinforcement - Arrab	5	03-Jan-15	10-Jan-15			13
CS430	Prep&submit Trench Section Details Shop Drawing	5	03-Jan-15	10-Jan-15			34
CS454	Prep&submit Asphalt Arrabeh Entrance Roads Shop Drawing	5	03-Jan-15	10-Jan-15			12
CS625	Prep.&Submit Civil Shop Drawing for Yard Works-Sanour	5	03-Jan-15	10-Jan-15			-8
CS640	Pre.&Submit Members&Connections, Anchor Bolts Layout	5	03-Jan-15	10-Jan-15			2
CS660	Prep.&Submit Aluminum Hatches & Railing Shop Drawings	5	03-Jan-15	10-Jan-15			13
CS670	Prep.&Submit Internal&External Ladders Shop Drawings	5	03-Jan-15	10-Jan-15			30
CS680	Prep.&Submit Rough&Finish Carpentary Shop Drawings	5	03-Jan-15	10-Jan-15			32
CS710	Prep.&Submit PVC Memprane Roofing Shop Drawings	5	03-Jan-15	10-Jan-15			34
CS730	Prep.&Submit Flashing & Sheet Metal Shop Drawing	5	03-Jan-15	10-Jan-15			-17
CS750	Prep.&Submit Road Accessories - Shop Drawing	5	03-Jan-15	10-Jan-15			42
CS790	Prep.&Submit Steel Doors & Frames - Shop Drawing	5	03-Jan-15	10-Jan-15			32
CS800	Prep.&Submit Flush Wood Doors - Shop Drawing	5	03-Jan-15	10-Jan-15			37
CS840	Prep.&Submit Aluminum Windows - Shop Drawing	5	03-Jan-15	10-Jan-15			17
CS880	Prep.&Submit Terrazzo Tiles - Shop Drawing	5	03-Jan-15	10-Jan-15			31
CS920	Prep.&Submit Ceramic Tiles - Shop Drawing	5	03-Jan-15	10-Jan-15			31
Mechanical							
CS340	Prep&submit Mechanical Shop Drawing for Chambers	10	03-Jan-15	17-Jan-15			8
CS355	Approval of Vertical Turbine Deep Pump - (Arrabeh&Sanour)- Shop Drawing	0		27-Jan-15			40
CS376	Approval of Turbine Booster Pump - Shop Drawing	0		27-Jan-15			35
CS381	Prep&Submit Submersible Sump Pump - Shop Drawing	10	03-Jan-15	17-Jan-15			22
CS441	Prep&Submit Horizantal Louver Blinds - Shop Drawing	10	03-Jan-15	17-Jan-15			22
CS451	Prep&Submit Surge Control Bladder Tank - Shop Drawing	10	03-Jan-15	17-Jan-15			-19
CS491	Prep&Submit Steel Pipes,Specials,Fittings&Pipes Supports - Shop Drawing	10	03-Jan-15	12-Jan-15	04-Dec-14		0
CS501	Prep&Submit Stainless Steel Pipes - Shop Drawing	10	03-Jan-15	17-Jan-15			29
CS541	Prep&Submit PVC Pipes - Shop Drawing	10	03-Jan-15	12-Jan-15	10-Sep-14		37
CS551	Prep&Submit Pipe,Duct Work&Equipment Insulation - Shop Drawing	10	03-Jan-15	17-Jan-15			33
CS562	Approval of Valves (Control,Gate,Butterfly,Check,Ball,Pressure,,etc) - Shop Drawing	0		12-Jan-15			-18
CS592	Approval of Plumping (Piping,Fixtures&Equipment) - Shop Drawing	0		03-Jan-15			41
CS611	Prep&Submit Heat,Ventilation,Duct Work&Air Conditioning Equipment - Shop Drawing	10	03-Jan-15	03-Jan-15	20-Nov-14		42
Electrical							
CS671	Prep.&Submit Electrical Raceway Systems - Shop Drawing	5	03-Jan-15	10-Jan-15			17
CS711	Prep.&Submit Padmounted Transformers - Shop Drawing	5	21-Jan-15	27-Jan-15			27
CS731	Prep.&Submit Short Circuit Study	5	03-Jan-15	10-Jan-15			-17
CS741	Prep.&Submit Earthing - Shop Drawing	5	03-Jan-15	03-Jan-15	20-Feb-14		47
CS751	Prep.&Submit Variable Frequency Drive Units 400V - Shop Drawing	5	03-Jan-15	05-Jan-15	15-Sep-14		28
CS771	Prep.&Submit Electric Motors - Shop Drawing	5	03-Jan-15	10-Jan-15			26
CS801	Prep.&Submit Motor Control Center&Solid State Reduced Starters - Shop Drawing	5	03-Jan-15	05-Jan-15	15-Sep-14		28
CS811	Prep.&Submit Local Control Stations and Miscellaneous Electrical Devices - Shop Drawing	5	24-Jan-15	28-Jan-15			5



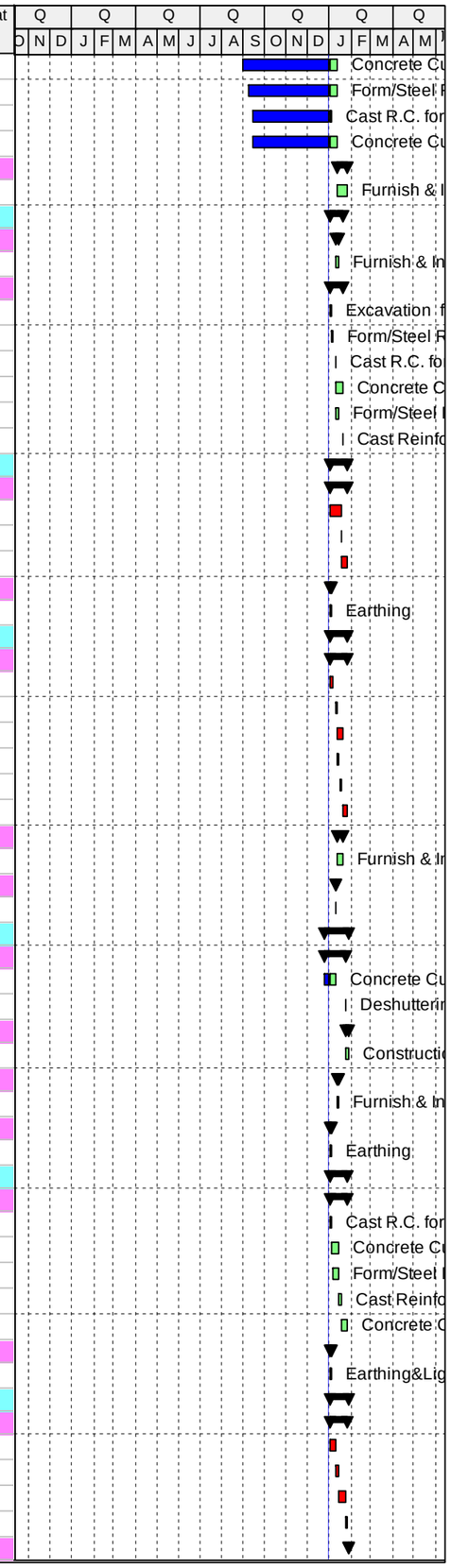
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
CS821	Prep.&Submit Lighting - Shop Drawing	5	03-Jan-15	03-Jan-15	03-Mar-14		30
CS831	Prep.&Submit Lightning Protection System - Shop Drawing	5	03-Jan-15	03-Jan-15	03-Mar-14		26
CS851	Prep.&Submit Process Control&Instrumentation System - Shop Drawing	5	03-Jan-15	10-Jan-15			32
CS861	Prep.&Submit PLC-Based Control Systems Hardware&Software - Shop Drawing	5	24-Jan-15	28-Jan-15			22
Methods Statement & Work Plans							
Civil							
CS1058	Approval of Welder Qualifications&Field Welding Procedure	0		03-Jan-15			21
CS1392	Approval of Field Testing, Pressure Test&Disinfection Plan	0		26-Jan-15			32
CS2160	Prep.&Submit Load&Deflection Tables for Miscellanios Metal Works	5	03-Jan-15	10-Jan-15			-17
Mechanical							
CS2170	Prep&Submit Vertical Well Pump - Statements	20	03-Jan-15	25-Jan-15	24-Dec-14		16
Procurement							
Execution Phase							
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements							
P1 - Arraba Well Pump Station Infrastructure Improvement							
Demolishing,Site Development,Apply Safety Measurments&Site Preparation							
P1-DEMO-000005	Site Fencing & Apply Safety Measurements	3	03-Jan-15	04-Jan-15	30-Dec-13		42
P1-DEMO-000010	Excavation for Clearing,Site Grading&Preparation	7	03-Jan-15	04-Jan-15	18-Mar-14		13
P1-DEMO-000020	Erosion & Sediment Control Systems	10	03-Jan-15	17-Jan-15			13
P1-DEMO-000030	Miscellaneous Excavation	3	03-Jan-15	03-Jan-15	18-Mar-14		43
P1-DEMO-000040	Lab Test Report for Soil Bearing Capacity	3	03-Jan-15	03-Jan-15	15-Apr-14		42
Construction of New Pump Station							
Retaining Walls							
Balance Tank 1000 m3							
Finishing Works							
P1-BT-000200	Tie roads remove/repair for externl walls	10	03-Jan-15	12-Jan-15	08-Dec-14		13
P1-BT-000210	Tie roads remove/repair for internal walls	10	03-Jan-15	17-Jan-15	23-Dec-14		10
Booster Pump System							
Civil & Structural Works							
P1-BP-000040	Apply Safety Measurement/Excavation Leveling for Foundation	1	03-Jan-15	03-Jan-15	17-Mar-14		125
P1-BP-000050	Compacted Basecourse layer 25cm for Booster Pump Slab	2	03-Jan-15	04-Jan-15	20-May-14		-9
P1-BP-000060	Cast Concrete - Blinding	1	04-Jan-15	05-Jan-15			-9
P1-BP-000070	Concrete Curing	7	05-Jan-15	17-Jan-15			-7
P1-BP-000080	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	05-Jan-15	19-Jan-15			-9
P1-BP-000090	Cast R.C. for the Slab/Mechanical Surface Smoothing	1	19-Jan-15	20-Jan-15			-9
Septic & Seepage Tank							
Civil & Structural Works							
P1-SS-000040	Excavation for Foundation,Furnishing Leveling&Compaction	2	03-Jan-15	04-Jan-15			-21
P1-SS-000050	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	05-Jan-15	06-Jan-15			-21
P1-SS-000060	Cast R.C. for Base Slab & Ring Beam	1	10-Jan-15	10-Jan-15			-21
P1-SS-000070	Concrete Curing	7	11-Jan-15	19-Jan-15			-21
P1-SS-000080	Form/Steel Rebars for the Walls	4	11-Jan-15	14-Jan-15			-18
P1-SS-000090	Cast Reinforced Concrete for the Wallls	1	20-Jan-15	20-Jan-15			-21
Plumbing Works							
P1-SS-P-00010	Furnish & Install of all Piping Required	4	11-Jan-15	14-Jan-15			36
Electrical & Control Building							
Civil & Structural Works							
P1-CE-000040	Excavation Leveling for Foundation & Compacted Basecourse Layer 20cm	9	03-Jan-15	14-Jan-15			-26
P1-CE-000050	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-26
P1-CE-000060	Cast Concrete	1	11-Jan-15	11-Jan-15			-26
P1-CE-000070	Concrete Curing	7	12-Jan-15	20-Jan-15			-19
P1-CE-000080	Form/Steel Rebars for Slab on Grade & Compacted Basecourse layer 20cm	10	12-Jan-15	25-Jan-15			-26
P1-CE-000090	Cast R.C. for the Slab on Grade	1	26-Jan-15	26-Jan-15			-26
Electrical & Instrumentation Works							
P1-CE-E-00010	Earthing	1	10-Jan-15	10-Jan-15			-26
Chlorination & Storage Building							
Civil & Structural Works							
P1-CHS-000050	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-18
P1-CHS-000060	Cast Concrete	1	11-Jan-15	11-Jan-15			-18
P1-CHS-000070	Concrete Curing	7	12-Jan-15	20-Jan-15			-18



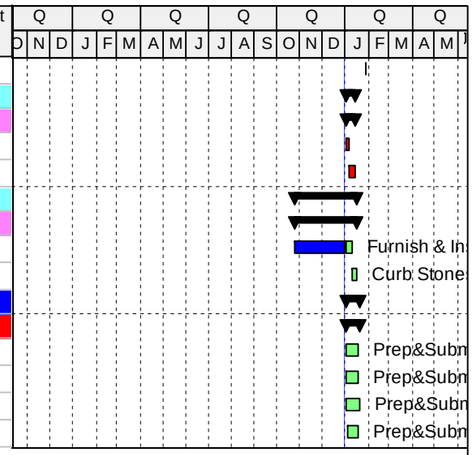
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P1-CHS-000080	Form/Steel Rebars for Slab on Grade	3	12-Jan-15	14-Jan-15			-17
P1-CHS-000090	Cast R.C. for the Slab on Grade	1	20-Jan-15	20-Jan-15			-18
P1-CHS-000110	Form/Steel Rebars for the Walls	5	21-Jan-15	27-Jan-15			-16
Mechanical Works							
P1-CHS-M-0010	Furnish & Install of Utility Piping including Pipe Supports & Valves	5	13-Jan-15	19-Jan-15			-18
Electrical & Instrumentation Works							
P1-CHS-E-0010	Earthing System	1	10-Jan-15	10-Jan-15			-18
Living Quarters Building							
Civil & Structural Works							
P1-LQ-000100	Concrete Curing	7	03-Jan-15	11-Jan-15	30-Dec-14		-10
P1-LQ-000110	Form/Steel Rebars for the Walls	5	03-Jan-15	10-Jan-15	30-Dec-14		-9
P1-LQ-000120	Cast Reinforced Concrete for the Wallls	1	11-Jan-15	12-Jan-15			-10
P1-LQ-000130	Concrete Curing	7	12-Jan-15	21-Jan-15			-10
Mechanical Works							
P1-LQ-M-00010	Furnish & Install of Utility Piping including Pipe Supports & Valves	2	13-Jan-15	14-Jan-15			60
Electrical & Instrumentation Works							
P1-LQ-E-00010	Earthing	1	03-Jan-15	03-Jan-15			17
Electrical Metering Building							
Civil & Structural Works							
P1-EM-000080	Form/Steel Rebars for Slab on Grade	5	03-Jan-15	05-Jan-15	21-Dec-14		-10
P1-EM-000090	Cast R.C. for the Slab on Grade	1	05-Jan-15	06-Jan-15			-10
P1-EM-000100	Concrete Curing	7	06-Jan-15	18-Jan-15			-10
P1-EM-000110	Form/Steel Rebars for the Walls	5	11-Jan-15	18-Jan-15			-10
P1-EM-000120	Cast Reinforced Concrete for the Wallls	1	18-Jan-15	19-Jan-15			-10
P1-EM-000130	Concrete Curing	7	19-Jan-15	28-Jan-15			-3
Electrical & Instrumentation Works							
P1-EM-E-00010	Earthing&Lightining Protection Pre-Fix	1	03-Jan-15	03-Jan-15			63
Pads & Slabs							
Civil & Structural Works							
P1-PS-010	Excavation Leveling for Foundation,Compacting Subgrade layers	5	03-Jan-15	10-Jan-15			-13
P1-PS-020	Form/Steel Rebars for Foundation	3	11-Jan-15	13-Jan-15			-13
P1-PS-030	Cast Concrete	1	14-Jan-15	14-Jan-15			-13
P1-PS-040	Concrete Curing	7	17-Jan-15	25-Jan-15			-13
Electrical & Instrumentation Works							
P1-PS-E-60	Earthing System	1	26-Jan-15	26-Jan-15			-6
P1-PS-E-91	Lightining Protection System	1	27-Jan-15	27-Jan-15			56
Well Systems							
Wellhead and Pad (Structural)							
P1-WS-020	Excavation to the Required Depth	3	03-Jan-15	05-Jan-15			-10
P1-WS-030	Grading & Compacting Subgrade Layers	5	06-Jan-15	13-Jan-15			-10
(O&M),Inspection,Commissioning,Start Up & Training for P1							
Initial Operation & Manufacturer Technical Manual Submittals (O&M)							
P1-OM-400	Prep&Submit O&M for Vertical Pumps	11	03-Jan-15	18-Jan-15			-11
P1-OM-420	Prep&Submit Safety&Health Training	10	03-Jan-15	17-Jan-15			29
P1-OM-430	Prep&Submit O&M for Non-Shrink Grout	12	03-Jan-15	19-Jan-15			6
P1-OM-560	Prep&Submit O&M for Ultrasonic,Hydrostatic&Differential Pressure	10	03-Jan-15	18-Jan-15			27
Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements							
P2: Sanur Well Pump Station Infrastructure Improvement							
Demolishing,Site Development,Apply Safety Measurments&Site Preparation							
Construction of New Pump Station							
Balance Tank 1000 m3							
Civil & Structural Works							
P2-BT-600	Deshuttering for Slab,Curing & Cleaning Balance Tank,Backfilling	10	03-Jan-15	13-Jan-15	09-Dec-14		24
Finishing Works							
P2-BT-510	Tie roads remove/repair for externl walls	10	14-Jan-15	27-Jan-15			24
P2-BT-520	Tie roads remove/repair for internal walls	10	14-Jan-15	27-Jan-15			24
Booster Pump System							
Civil & Structural Works							
P2-BP-130	Apply Safety Measurement/Excavation Leveling for Foundation	1	03-Jan-15	03-Jan-15	12-Jul-14		40
P2-BP-140	Compacted Basecourse layer 25cm for Booster Pump Slab	2	03-Jan-15	03-Jan-15	24-Aug-14		33
P2-BP-150	Cast Concrete - Blinding	1	03-Jan-15	03-Jan-15	01-Sep-14		124



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P2-BP-160	Concrete Curing	7	03-Jan-15	12-Jan-15	01-Sep-14		33
P2-BP-170	Form/Steel Rebars for Booster Pump Slab & Steel Burrel Encasement	9	03-Jan-15	12-Jan-15	09-Sep-14		4
P2-BP-180	Cast R.C. for the Slab/Mechanical Surface Smoothing	1	03-Jan-15	03-Jan-15	14-Sep-14		19
P2-BP-190	Concrete Curing&Backfilling	7	03-Jan-15	11-Jan-15	15-Sep-14		14
Electrical & Instrumentation Works							
P2-BP-E-50	Furnish & Installation of Earthing,Ductbanks&Raceway	10	12-Jan-15	26-Jan-15			4
Septic & Seepage Tank							
Plumbing Works							
P2-SS-P-20	Furnish & Install of all Piping Required	4	11-Jan-15	14-Jan-15			79
Civil & Structural Works							
P2-SS-220	Excavation for Foundation,Leveling,Subgrade layers Compacted	2	03-Jan-15	04-Jan-15			10
P2-SS-230	Form/Steel Rebars for Base Slab & Ring Beam Including Water Stop	2	05-Jan-15	06-Jan-15			10
P2-SS-240	Cast R.C. for Base Slab & Ring Beam	1	10-Jan-15	10-Jan-15			10
P2-SS-250	Concrete Curing	7	11-Jan-15	19-Jan-15			10
P2-SS-260	Form/Steel Rebars for the Walls	4	11-Jan-15	14-Jan-15			13
P2-SS-270	Cast Reinforced Concrete for the Wallls	1	20-Jan-15	20-Jan-15			10
Electrical & Control Building							
Civil & Structural Works							
P2-CE-300	Form/Steel Rebars for Slab on Grade	10	03-Jan-15	17-Jan-15			-6
P2-CE-310	Cast R.C. for the Slab on Grade	1	18-Jan-15	18-Jan-15			-6
P2-CE-320	Concrete Curing	7	19-Jan-15	27-Jan-15			-1
Electrical & Instrumentation Works							
P2-CE-E-110	Earthing	1	03-Jan-15	03-Jan-15			78
Chlorination & Storage Building							
Civil & Structural Works							
P2-CHS-300	Form/Steel Rebars for Foundation	4	03-Jan-15	06-Jan-15			-4
P2-CHS-310	Cast Concrete	1	11-Jan-15	11-Jan-15			-4
P2-CHS-320	Concrete Curing	7	12-Jan-15	20-Jan-15			-4
P2-CHS-330	Form/Steel Rebars for Slab on Grade	3	12-Jan-15	14-Jan-15			-1
P2-CHS-340	Cast R.C. for the Slab on Grade	1	17-Jan-15	17-Jan-15			-1
P2-CHS-360	Form/Steel Rebars for the Walls	5	20-Jan-15	26-Jan-15			-1
Mechanical Works							
P2-CHS-M-40	Furnish & Install of Utility Piping Under 110mm including Pipe Supports & Valves	5	13-Jan-15	19-Jan-15			80
Electrical & Instrumentation Works							
P2-CHS-E-060	Earthing System	1	10-Jan-15	10-Jan-15			-4
Living Quarters Building							
Civil & Structural Works							
P2-LQ-370	Concrete Curing	7	03-Jan-15	10-Jan-15	25-Dec-14		37
P2-LQ-380	Deshuttering for the Roof Slab&Backfilling	1	24-Jan-15	24-Jan-15			28
Finishing Works							
P2-LQ-440	Construction of CMU Walls & Veneer	4	25-Jan-15	28-Jan-15			28
Mechanical Works							
P2-LQ-M-30	Furnish & Install of Utility Piping including Pipe Supports & Valves	2	13-Jan-15	14-Jan-15			83
Electrical & Instrumentation Works							
P2-LQ-E-20	Earthing	1	03-Jan-15	03-Jan-15			91
Electrical Metering Building							
Civil & Structural Works							
P2-EM-320	Cast R.C. for the Slab on Grade	1	03-Jan-15	03-Jan-15			15
P2-EM-330	Concrete Curing	7	04-Jan-15	13-Jan-15			15
P2-EM-340	Form/Steel Rebars for the Walls	5	06-Jan-15	13-Jan-15			15
P2-EM-350	Cast Reinforced Concrete for the Wallls	2	14-Jan-15	17-Jan-15			15
P2-EM-360	Concrete Curing	7	18-Jan-15	26-Jan-15			22
Electrical & Instrumentation Works							
P2-EM-E-30	Earthing&Lightining Protection Pre-Fix	1	03-Jan-15	03-Jan-15			86
Pads & Slabs							
Civil & Structural Works							
P2-PS-100	Excavation Leveling for Foundation,Compacting of Subgrade Layers	5	03-Jan-15	10-Jan-15			-9
P2-PS-110	Form/Steel Rebars for Foundation	3	11-Jan-15	13-Jan-15			-9
P2-PS-120	Cast Concrete&Curing	7	14-Jan-15	24-Jan-15			-9
P2-PS-130	Form/Steel Rebars for Slab on Grade	3	25-Jan-15	27-Jan-15			-9
Electrical & Instrumentation Works							



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P2-PS-E-101	Earthing System	1	28-Jan-15	28-Jan-15			-3
Well Systems							
Wellhead and Pad (Structural)							
P2-WS-090	Excavation to the Required Depth	3	03-Jan-15	05-Jan-15			-10
P2-WS-100	Grading & Compacting Subgrade Layers	5	06-Jan-15	13-Jan-15			-10
Yard Works,Widening&Upgrading of Existing Main Road Entrance & Site Electrical Power							
External & Finishing Works							
P2-YW-170	Furnish & Install Fencing, All Gates, Posts, Wire, Mesh..etc	6	03-Jan-15	10-Jan-15	26-Oct-14		77
P2-YW-180	Curb Stones & Side Walk Works	5	10-Jan-15	17-Jan-15			77
(O&M),Inspection,Commissioning,Start Up & Training							
Initial Operation & Manufacturer Technical Manual Submittals (O&M)							
P2-OM-00010	Prep&Submit O&M for Vertical Pumps	11	03-Jan-15	18-Jan-15			50
P2-OM-00030	Prep&Submit Safety&Health Training	10	03-Jan-15	17-Jan-15			57
P2-OM-00040	Prep&Submit O&M for Non-Shrink Grout	12	03-Jan-15	19-Jan-15			59
P2-OM-00170	Prep&Submit O&M for Ultrasonic,Hydrostatic&Differential Pressure	10	03-Jan-15	18-Jan-15			61

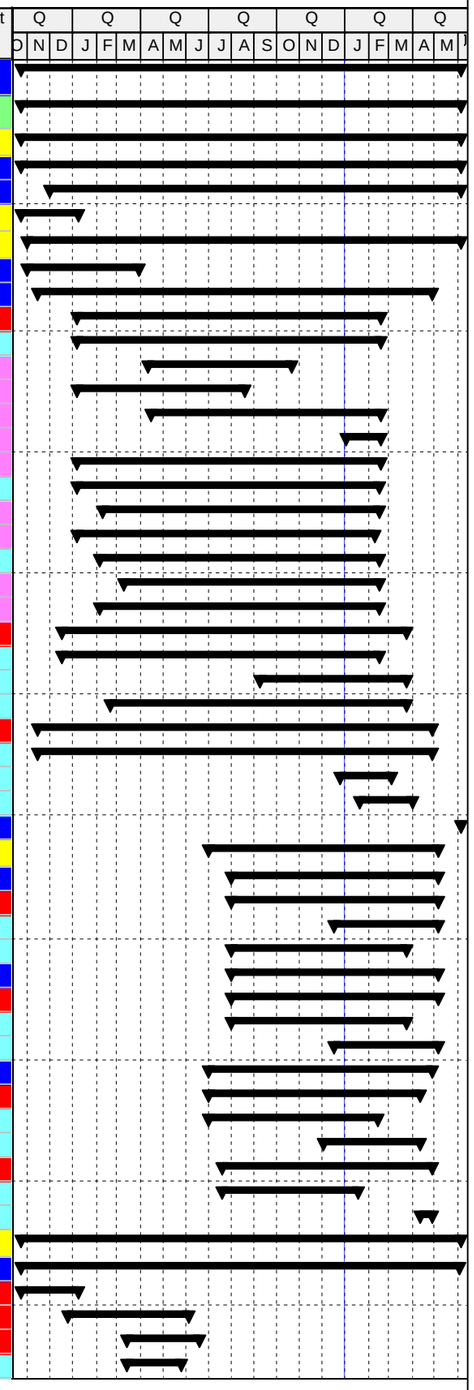


RFTOP WATER-294-13-00018 WELL REHABILITATION IMPROVEMENTS

Dec-2014 Roll Up Schedule

01-Jan-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
Total		329	01-Jan-15	04-Jun-15	23-Oct-13		0
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS		329	01-Jan-15	04-Jun-15	23-Oct-13		0
Milestones		449	01-Jan-15	04-Jun-15	23-Oct-13		-13
General Milestones		449	03-Jun-15	04-Jun-15	23-Oct-13		-13
Intermediate Milestones		426	01-Jan-15	04-Jun-15	01-Dec-13		-13
Mobilization		24			24-Oct-13	08-Jan-14	
Submittals		372	03-Jan-15	04-Jun-15	31-Oct-13		0
Pre Construction Submittals		45			31-Oct-13	31-Mar-14	
Construction Submittals		339	03-Jan-15	27-Apr-15	14-Nov-13		33
Material Submittals		280	03-Jan-15	17-Feb-15	06-Jan-14		92
Civil		280	03-Jan-15	17-Feb-15	06-Jan-14		92
Earth Works		141			12-Apr-14	22-Oct-14	
Concrete Works		173			07-Jan-14	20-Aug-14	
Building Works		181	03-Jan-15	17-Feb-15	16-Apr-14		41
Roads Works		33	03-Jan-15	17-Feb-15			47
Miscellaneous		181	03-Jan-15	17-Feb-15	06-Jan-14		92
Mechanical		240	03-Jan-15	15-Feb-15	06-Jan-14		94
Local Manufacturer		240	03-Jan-15	15-Feb-15	10-Feb-14		94
Abroad Manufacturer (Long Lead Items)		219	03-Jan-15	09-Feb-15	06-Jan-14		99
Electrical		274	03-Jan-15	15-Feb-15	06-Feb-14		94
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)		248	03-Jan-15	15-Feb-15	10-Mar-14		94
Local Manufacturer		274	03-Jan-15	15-Feb-15	06-Feb-14		22
Shop Drawings		309	03-Jan-15	24-Mar-15	17-Dec-13		11
Civil		278	03-Jan-15	15-Feb-15	17-Dec-13		42
Mechanical		145	03-Jan-15	24-Mar-15	09-Sep-14		7
Electrical		289	03-Jan-15	23-Mar-15	20-Feb-14		12
Methods Statement & Work Plans		339	03-Jan-15	27-Apr-15	14-Nov-13		5
Civil		339	03-Jan-15	27-Apr-15	14-Nov-13		5
Mechanical		53	03-Jan-15	04-Mar-15	24-Dec-14		12
Electrical		56	21-Jan-15	31-Mar-15			2
Post Construction Submittals		0	04-Jun-15	04-Jun-15			-12
Procurement		167	01-Jan-15	05-May-15	01-Jul-14		-4
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well		214	01-Jan-15	05-May-15	02-Aug-14		-35
Material Order & Manufacture		214	01-Jan-15	05-May-15	02-Aug-14		-35
Electrical Equipment		101	01-Jan-15	05-May-15	18-Dec-14		-35
Mechanical Equipment		195	01-Jan-15	23-Mar-15	02-Aug-14		-6
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well		181	01-Jan-15	05-May-15	02-Aug-14		-6
Material Order & Manufacture		181	01-Jan-15	05-May-15	02-Aug-14		-6
Mechanical Equipment		181	01-Jan-15	23-Mar-15	02-Aug-14		35
Electrical Equipment		101	01-Jan-15	05-May-15	18-Dec-14		-6
Steel Pipes,Fittings&Valves		72	01-Jan-15	27-Apr-15	01-Jul-14		-20
Material Order & Manufacture		72	01-Jan-15	12-Apr-15	01-Jul-14		-20
All Needed Pipes,Steel Pipes & Fittings		60	03-Jan-15	14-Feb-15	01-Jul-14		-9
Valves		81	01-Jan-15	12-Apr-15	04-Dec-14		-22
Material Delivary		58	03-Jan-15	27-Apr-15	20-Jul-14		-20
All Needed Pipes,Steel Pipes & Fittings		12	03-Jan-15	18-Jan-15	20-Jul-14		54
Valves		12	12-Apr-15	27-Apr-15			-22
Execution Phase		329	03-Jan-15	04-Jun-15	24-Oct-13		0
Project 1 Arraba Well Pump Station Rehabilitation & Infrastructure Improvements		328	03-Jan-15	03-Jun-15	24-Oct-13		1
Mobilization for P1		24			24-Oct-13	08-Jan-14	
P1 - Arraba Well Pump Station Rehabilitation		63			25-Dec-13	06-Jun-14	
Design Review After Well Development Results		151			14-Mar-14	19-Jun-14	
Geophysical Logging Final Acceptance		1			14-Mar-14	27-May-14	

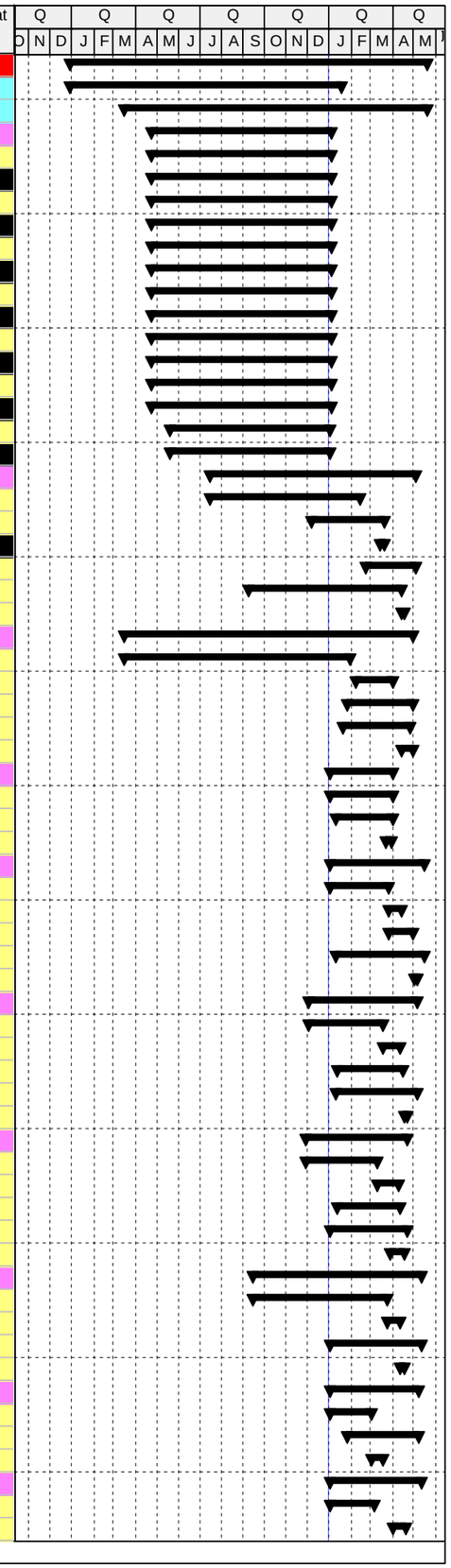


(New Bar) Summary
Actual Work
Remaining Work
Critical Remaining Work
Milestone

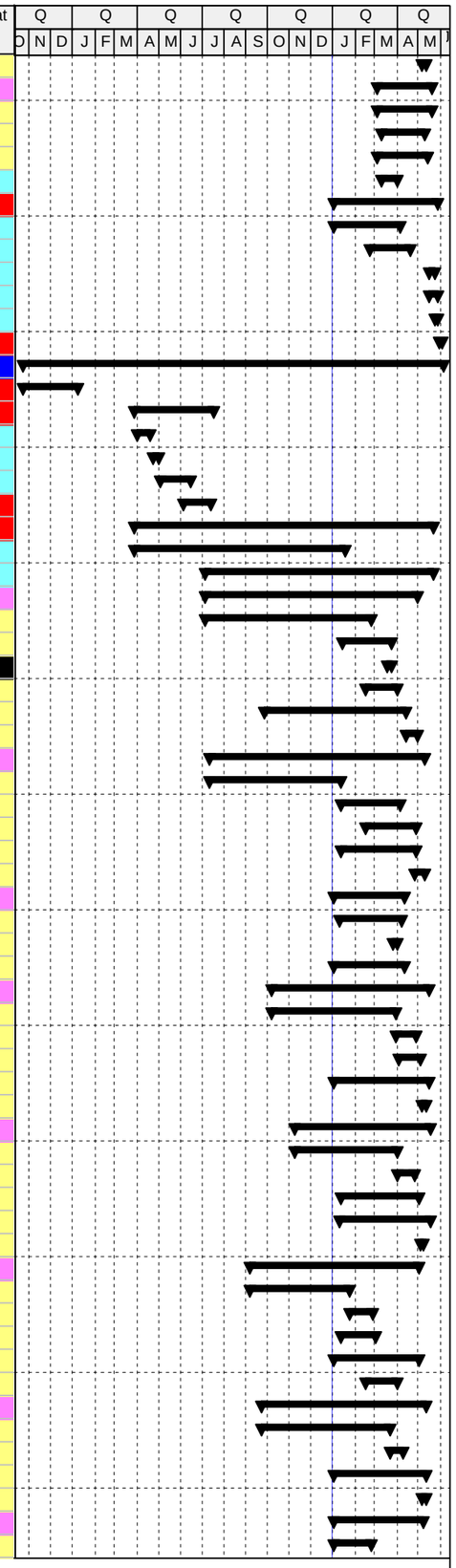
IRD International Relief & Development

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

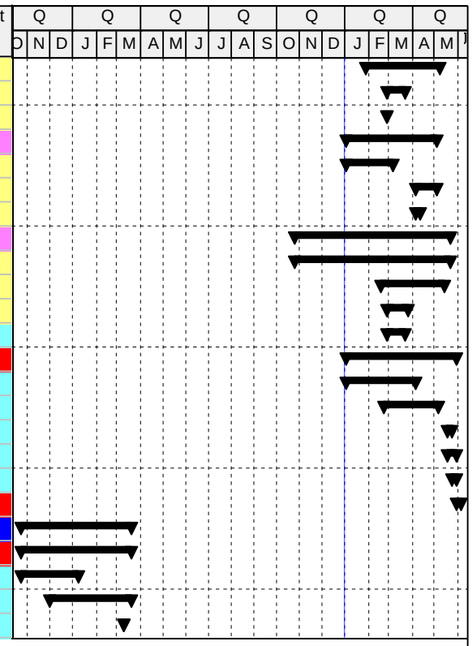
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
P1 -	Arraba Well Pump Station Infrastructure Improvement	338	03-Jan-15	19-May-15	30-Dec-13		14
	Demolishing,Site Development,Apply Safety Measurments&Site Preparation	237	03-Jan-15	17-Jan-15	30-Dec-13		33
	Construction of New Pump Station	305	03-Jan-15	19-May-15	17-Mar-14		14
	Retaining Walls	103	03-Jan-15	03-Jan-15	23-Apr-14		124
	Retaining Wall Group # 1 (St.36+40 to St.55+60)	81	03-Jan-15	03-Jan-15	23-Apr-14		59
	Civil & Structural Works	81	03-Jan-15	03-Jan-15	23-Apr-14		59
	Retaining Wall Group # 2 (St.55+60 to St.78+80)	41	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	41	03-Jan-15	03-Jan-15	23-Apr-14		125
	Retaining Wall Group # 3 (St.78+80 to St.102+00)	76	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	76	03-Jan-15	03-Jan-15	23-Apr-14		125
	Boundary Wall Group # 4 A -(St-102+00 to St.126+80)	83	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	83	03-Jan-15	03-Jan-15	23-Apr-14		125
	Boundary Wall Group # 4 B -(St.126+80 to St.140+20)	89	03-Jan-15	03-Jan-15	23-Apr-14		124
	Civil & Structural Works	89	03-Jan-15	03-Jan-15	23-Apr-14		124
	Retaining Wall Group # 5 -(St. 30+40 to St.36+40)	77	03-Jan-15	03-Jan-15	23-Apr-14		125
	Civil & Structural Works	77	03-Jan-15	03-Jan-15	23-Apr-14		125
	Retaining Wall Group # 6 -(St.00+00 to St.30+40)	77	03-Jan-15	03-Jan-15	20-May-14		43
	Civil & Structural Works	77	03-Jan-15	03-Jan-15	20-May-14		43
	Balance Tank 1000 m3	270	03-Jan-15	04-May-15	16-Jul-14		-24
	Civil & Structural Works	203	17-Jan-15	14-Feb-15	16-Jul-14		10
	Finishing Works	28	03-Jan-15	19-Mar-15	08-Dec-14		6
	Metal Fabricated Works	5	15-Mar-15	19-Mar-15			6
	Mechanical Works	61	22-Feb-15	04-May-15			-24
	Electrical & Instrumentation Works	155	03-Mar-15	14-Apr-15	09-Sep-14		-10
	Test Water Tightness For Reservoir	3	14-Apr-15	18-Apr-15			-10
	Booster Pump System	170	03-Jan-15	30-Apr-15	17-Mar-14		30
	Civil & Structural Works	94	03-Jan-15	31-Jan-15	17-Mar-14		106
	Steel Structure & Metal Works	47	07-Feb-15	02-Apr-15			-17
	Mechanical Works	78	27-Jan-15	30-Apr-15			-11
	Electrical & Instrumentation Works	79	20-Jan-15	26-Apr-15			-17
	Coatings & Finishing Works	14	14-Apr-15	29-Apr-15			-14
	Septic & Seepage Tank	71	03-Jan-15	02-Apr-15			3
	Civil & Structural Works	71	03-Jan-15	02-Apr-15			3
	Plumbing Works	66	11-Jan-15	02-Apr-15			-2
	Finishing Works	7	22-Mar-15	29-Mar-15			-2
	Electrical & Control Building	108	03-Jan-15	16-May-15			-31
	Civil & Structural Works	64	03-Jan-15	25-Mar-15			-26
	Finishing Works	16	26-Mar-15	13-Apr-15			-26
	Mechanical Works	31	26-Mar-15	30-Apr-15			-26
	Electrical & Instrumentation Works	104	10-Jan-15	16-May-15			-31
	HVAC-Plumping	5	02-May-15	06-May-15			-26
	Chlorination & Storage Building	112	03-Jan-15	05-May-15	03-Dec-14		-25
	Civil & Structural Works	70	03-Jan-15	17-Mar-15	03-Dec-14		-14
	Finishing Works	21	18-Mar-15	11-Apr-15			-14
	Mechanical Works	76	13-Jan-15	16-Apr-15			-14
	Electrical & Instrumentation Works	95	10-Jan-15	05-May-15			-25
	HVAC-Plumping	5	18-Apr-15	22-Apr-15			-14
	Living Quarters Building	115	03-Jan-15	22-Apr-15	29-Nov-14		-8
	Civil & Structural Works	78	03-Jan-15	10-Mar-15	29-Nov-14		-10
	Finishing Works	26	10-Mar-15	09-Apr-15			-10
	Mechanical Works	72	13-Jan-15	12-Apr-15			-10
	Electrical & Instrumentation Works	88	03-Jan-15	22-Apr-15			-14
	HVAC-Plumping	18	28-Mar-15	18-Apr-15			-4
	Electrical Metering Building	186	03-Jan-15	11-May-15	14-Sep-14		-30
	Civil & Structural Works	145	03-Jan-15	24-Mar-15	14-Sep-14		-10
	Finishing Works	16	24-Mar-15	12-Apr-15			-10
	Electrical & Instrumentation Works	104	03-Jan-15	11-May-15			-30
	HVAC-Plumping	5	12-Apr-15	18-Apr-15			-10
	Pads & Slabs	101	03-Jan-15	07-May-15			-27
	Civil & Structural Works	43	03-Jan-15	01-Mar-15			16
	Electrical & Instrumentation Works	85	26-Jan-15	07-May-15			-27
	Mechanical Works	15	02-Mar-15	18-Mar-15			16
	Well Systems	104	03-Jan-15	11-May-15			-30
	Wellhead and Pad (Structural)	47	03-Jan-15	05-Mar-15			22
	Mechanical	16	01-Apr-15	19-Apr-15			-11



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
	Electrical & Instrumentation Works	5	06-May-15	11-May-15			-30
	Yard Works & Site Electrical Power	67	03-Mar-15	19-May-15			-14
	External & Finishing Works	67	03-Mar-15	19-May-15			-21
	Mechanical Works	50	11-Mar-15	09-May-15			-4
	Electrical & Instrumentation Works	63	03-Mar-15	14-May-15			-17
	Flow Control Valve for Mirka Existing Balance Tank & Arraba Existing RSV	20	11-Mar-15	02-Apr-15			-1
	(O&M),Inspection,Commissioning,Start Up & Training for P1	119	03-Jan-15	28-May-15			-29
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	73	03-Jan-15	05-Apr-15			-20
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	49	21-Feb-15	19-Apr-15			-11
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	17-May-15	23-May-15			-34
	Training Phase	11	17-May-15	28-May-15			-29
	Comissioning & Start Up Phase for All System	5	24-May-15	28-May-15			-34
	Demobilization,Close Out&Handing Over for P1	5	30-May-15	03-Jun-15			-34
	Project 2 Sanur Well Pump Stations Rehabilitation & Infrastructure Improvements	329	03-Jan-15	04-Jun-15	24-Oct-13		0
	Mobilization for P2	24			24-Oct-13	08-Jan-14	
	P2 - Sanur Well Pump Station Rehabilitation	122			29-Mar-14	19-Jul-14	
	Pump Switching Off	1			02-Apr-14	19-Apr-14	
	Fishing-Extraction of Fallen Strainer from Sanur Well	19			24-Apr-14	01-May-14	
	Development	30			03-May-14	15-Jun-14	
	Design Review After Well Development Results	120			06-Jun-14	14-Jul-14	
	P2: Sanur Well Pump Station Infrastructure Improvement	307	03-Jan-15	21-May-15	29-Mar-14		12
	Demolishing,Site Development,Apply Safety Measurments&Site Preparation	204	03-Jan-15	17-Jan-15	29-Mar-14		44
	Construction of New Pump Station	239	03-Jan-15	21-May-15	06-Jul-14		12
	Balance Tank 1000 m3	220	03-Jan-15	29-Apr-15	06-Jul-14		20
	Civil & Structural Works	164	03-Jan-15	23-Feb-15	06-Jul-14		24
	Finishing Works	55	14-Jan-15	24-Mar-15			30
	Metal Fabricated Works	5	19-Mar-15	24-Mar-15			30
	Mechanical Works	38	16-Feb-15	31-Mar-15			30
	Electrical & Instrumentation Works	154	18-Mar-15	13-Apr-15	28-Sep-14		20
	Test Water Tightness For Reservoir	14	13-Apr-15	29-Apr-15			20
	Booster Pump System	203	03-Jan-15	10-May-15	12-Jul-14		22
	Civil & Structural Works	46	03-Jan-15	12-Jan-15	12-Jul-14		118
	Steel Structure & Metal Works	67	11-Jan-15	05-Apr-15			7
	Mechanical Works	61	16-Feb-15	27-Apr-15			8
	Electrical & Instrumentation Works	87	12-Jan-15	28-Apr-15			7
	Coatings & Finishing Works	14	25-Apr-15	10-May-15			-5
	Septic & Seepage Tank	78	03-Jan-15	11-Apr-15			14
	Plumbing Works	70	11-Jan-15	07-Apr-15			17
	Finishing Works	7	26-Mar-15	02-Apr-15			10
	Civil & Structural Works	78	03-Jan-15	11-Apr-15			10
	Electrical & Control Building	123	03-Jan-15	16-May-15	08-Oct-14		-11
	Civil & Structural Works	82	03-Jan-15	29-Mar-15	08-Oct-14		-6
	Finishing Works	26	30-Mar-15	28-Apr-15			-6
	Mechanical Works	27	04-Apr-15	04-May-15			-6
	Electrical & Instrumentation Works	108	03-Jan-15	16-May-15			-11
	HVAC-Plumping	5	06-May-15	11-May-15			-7
	Chlorination & Storage Building	126	03-Jan-15	17-May-15	09-Nov-14		-12
	Civil & Structural Works	87	03-Jan-15	01-Apr-15	09-Nov-14		-4
	Finishing Works	21	02-Apr-15	26-Apr-15			-4
	Mechanical Works	89	13-Jan-15	02-May-15			-4
	Electrical & Instrumentation Works	105	10-Jan-15	17-May-15			-12
	HVAC-Plumping	5	03-May-15	07-May-15			-4
	Living Quarters Building	170	03-Jan-15	02-May-15	07-Sep-14		2
	Civil & Structural Works	89	03-Jan-15	24-Jan-15	07-Sep-14		28
	Finishing Works	26	25-Jan-15	26-Feb-15			49
	Mechanical Works	36	13-Jan-15	01-Mar-15			49
	Electrical & Instrumentation Works	96	03-Jan-15	02-May-15			1
	HVAC-Plumping	40	15-Feb-15	01-Apr-15			28
	Electrical Metering Building	131	03-Jan-15	11-May-15	23-Sep-14		-7
	Civil & Structural Works	88	03-Jan-15	22-Mar-15	23-Sep-14		15
	Finishing Works	16	23-Mar-15	09-Apr-15			15
	Electrical & Instrumentation Works	104	03-Jan-15	11-May-15			-7
	HVAC-Plumping	5	06-May-15	11-May-15			-7
	Pads & Slabs	101	03-Jan-15	07-May-15			-4
	Civil & Structural Works	39	03-Jan-15	24-Feb-15			36



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float
	Electrical & Instrumentation Works	83	28-Jan-15	07-May-15			-4
	Mechanical Works	22	25-Feb-15	22-Mar-15			36
	Finishing Works	2	25-Feb-15	26-Feb-15			56
	Well Systems	97	03-Jan-15	03-May-15			0
	Wellhead and Pad (Structural)	47	03-Jan-15	05-Mar-15			45
	Mechanical	24	06-Apr-15	03-May-15			0
	Electrical & Instrumentation Works	5	06-Apr-15	11-Apr-15			19
	Yard Works,Widening&Upgrading of Existing Main Road Entrance & Site Electrical Power	109	03-Jan-15	21-May-15	26-Oct-14		-5
	External & Finishing Works	109	03-Jan-15	21-May-15	26-Oct-14		-5
	Electrical & Instrumentation Works	74	18-Feb-15	14-May-15			-10
	Mechanical Works	24	26-Feb-15	25-Mar-15			-10
	Flow Control Valve for Jaba Existing Balance Tank&Kafr Rai Existing PS Balance Tank	20	26-Feb-15	21-Mar-15			17
	(O&M),Inspection,Commissioning,Start Up & Training	120	03-Jan-15	30-May-15			-12
	Initial Operation & Manufacturer Technical Manual Submittals (O&M)	73	03-Jan-15	05-Apr-15			-2
	Approval - Final Operation & Manufacturer Technical Manual Submittals (O&M)	63	21-Feb-15	05-May-15			-2
	Certificate of Proper Installation for Installed Equipments&Installation (Pre Commissioning)	6	18-May-15	24-May-15			-12
	Training Phase	11	18-May-15	30-May-15			-12
	Comissioning & Start Up Phase for All System	5	25-May-15	30-May-15			-12
	Demobilization,Close Out&Handing Over	5	31-May-15	04-Jun-15			-12
	Project 3 Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14	
	P3 - Saadeh Well Pump Station Rehabilitation	25			24-Oct-13	20-Mar-14	
	Mobilization for P3	24			24-Oct-13	09-Jan-14	
	Execution	33			01-Dec-13	20-Mar-14	
	Demobilization,Close Out&Handing Over for P3	7			11-Mar-14	11-Mar-14	



SNW 22.2 "S" Curve

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INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

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-Jan-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

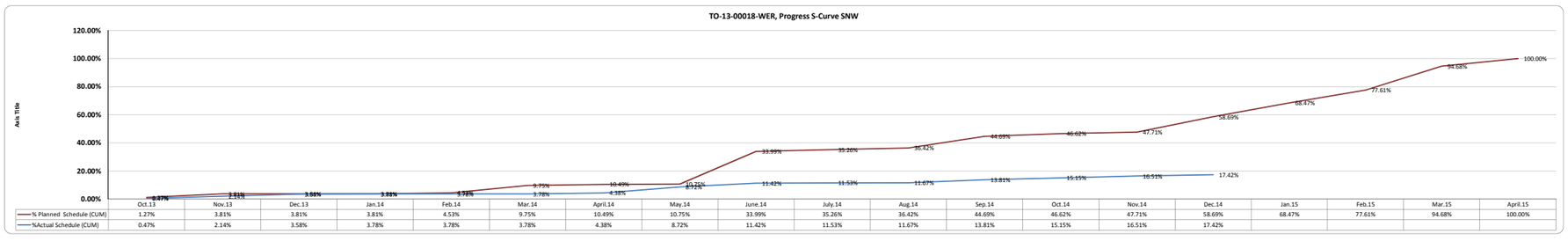
	USD
Total Contract Value Less Day Work:	$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	$7,157,158.84
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	550 CD
Original Completion Date:	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-Jan-15

PROJECT 3 Saadeh Well Pump Station - Rehabilitation

	USD
Total Contract Value Less Day Work:	$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	$493,635.00
Revised Total Contract Value Less Day Work as per VO #3 :	$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Jan-15

	USD
Total Contract Value Less Day Work:	$14,021,856.91
Day Work Value:	$700,000.00
Total Contract Value Including Day Work:	$14,721,856.91
Revised Total Contract Value Less Day Work:	$13,904,556.73
Day Work Value as per VO #3:	$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

	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
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	$97,518.53	$65,109.42						
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	$1,178,552.94	$1,243,662.36						
% Planned Schedule	1.27%	2.54%	0.00%	0.00%	0.72%	5.22%	0.74%	0.26%	23.24%	1.26%	1.16%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%		100%
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	9.75%	10.49%	10.75%	33.99%	35.26%	36.42%	44.69%	46.62%	47.71%	58.69%	68.47%	77.61%	94.68%	100.00%		100%
% Actual Schedule	0.46%	1.64%	1.44%	0.20%	0.00%	0.00%	0.60%	4.34%	2.71%	0.10%	0.14%	2.14%	1.33%	1.36%	0.91%						
%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%	16.51%	17.42%						



INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

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-Jan-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

	USD
Total Contract Value Less Day Work:	$7,011,251.36
Original Total Contract Value without Day Work for Project 2 (Sanur)	$7,011,251.00
Revised Total Contract Value Less Day Work as per VO #4:	$7,157,158.04
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-Jan-15

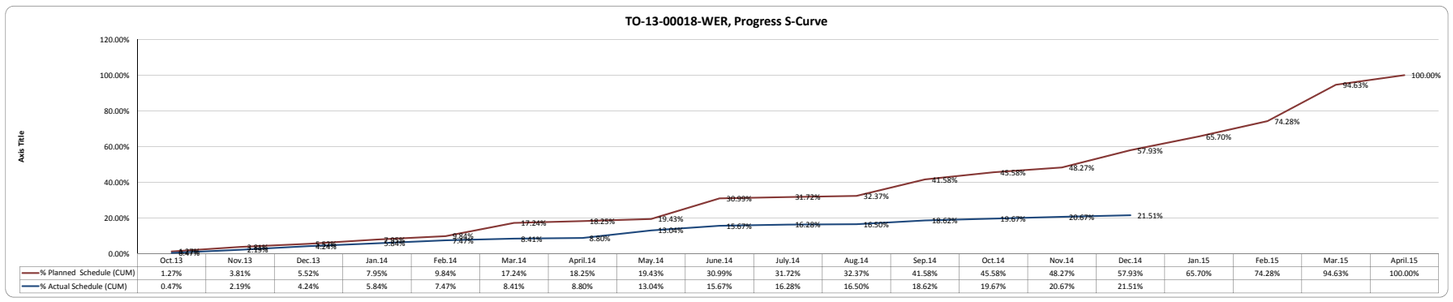
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

	USD
Total Contract Value Less Day Work:	$493,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh)	$493,635.00
Revised Total Contract Value Less Day Work as per VO #3 :	$376,334.82
NTP (Notice to Proceed)	23-Oct-13
Original Duration of Contract:	120 CD
Original Completion Date:	19-Feb-14
Revised Duration of Contract as per VO #2	140 CD
Revised Completion Date as per VO #2 :	11-Mar-14
Data Date:	1-Jan-15

	USD
Total Contract Value Less Day Work:	$14,021,856.91
Day Work Value:	$700,000.00
Total Contract Value Including Day Work:	$14,721,856.91
Revised Total Contract Value Less Day Work:	$13,904,556.73
Day Work Value as per VO #3:	$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	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
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	$140,172.32	$118,464.93						
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	$2,884,821.03	$3,003,285.96						
% 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%
% 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%	1.00%	0.84%						
% 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%	20.67%	21.51%						



SNW 22.3 Site Memos Log

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International Relief & Development

Infrastructure Needs Program- INP

USAID Contract No. AID-294-I-00-12-00003

Project: Wells Rehabilitation Project

NOA Date:	**September 23, 2014**
NTP Date:	**October 25, 2014**
Current as Date:	**January 4, 2015**

Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments

There were no Site Memos received from the Engineer during the reporting period for Arraba and Sanur Well Pump Stations.

SNW 22.4 Material or Equipment Delivered to Site Log

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IRD International Relief & Development

Material Log

Task Order:	AID-294-TO-13-00018
Project:	Wells Rehabilitation Project
Sub-project	Sanur Well Pump Station Rehabilitation and Infrastructure Improvements

Item	Date	Description	Oty	Location
1	December 3, 2014	Reinforcement steel Ø12mm and Ø16mm	7.7 Ton	Sanur Well
2	December 7, 2014	32,50 and 63 mm PVC Adapter(MIMV)	265,23 and 51 Pcs	Sanour Well
3	December 8, 2014	Concrete B350	72 m^3	Balance Tank Elevated Slab
4	December 15, 2014	Concrete B350	36.5 m^3	Balance Tank Elevated Slab
5	December 17, 2014	Base Course	80 m^3	Sanur Well
6	December 21, 2014	Single Size Aggregate	15 m^3	Sanur Well
7	December 23, 2014	Concrete B350	13 m^3	Fence Wall Footing -Section BC from Station (00+016) to Station(00+068)
		PVC SCH 80 Pipes, Elbow 90,Coupler 90	8m, 2 Pcs, 6 Pcs	Sanur Well
8	December 24, 2014	Concrete B350	8 m^3	Living Quarter Elevated Slab
9	December 30, 2014	Concrete B350	8 m^3	Fence Wall -Section BC from Station (00+016) to Station(00+068)
10	December 31, 2014	Concrete B350	15 m^3	Fence Wall -Section BC from Station (00+016) to Station(00+068) & Living Quarter Parapet

IRD International Relief & Development

Equipment Log

Task Order:	AID-294-TO-13-00018
Project:	Wells Rehabilitation Project
Sub-project	Sanur Well Pump Station Rehabilitation & Infrastructure Improvements

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	December 1, 2014	JCB Back Hole-1993-1			1
2		Steel Compactor 80cm			1
3		Mitsubishi L200-2007	1	8	
4		Total Station			1
5		Level			1
6		Concrete Vibrator			1
7	December 2, 2014	JCB Back Hole-1993-1			1
8		Steel Compactor 80cm			1
9		Mitsubishi L200-2007	1	8	
10		Total Station			1
11		Level			1
12		Concrete Vibrator			1
13	December 3, 2014	JCB Back Hole-1993-1			1
14		Steel Compactor 80cm			1
15		Mitsubishi L200-2007	1	8	
16		Total Station			1
17		Level			1
18		Concrete Vibrator			1
19	December 4, 2014	JCB Back Hole-1993-1			1
20		Steel Compactor 80cm			1
21		Mitsubishi L200-2007	1	8	
22		Total Station			1
23		Level			1
24		Concrete Vibrator			1
25	December 5, 2014	JCB Back Hole-1993-1			1
26		Steel Compactor 80cm			1
27		Mitsubishi L200-2007			1
28		Total Station			1
29		Level			1
30		Concrete Vibrator			1
31	December 6, 2014	JCB Back Hole-1993-1			1
32		Steel Compactor 80cm			1
33		Mitsubishi L200-2007	1	8	
34		Total Station			1
35		Level			1
36		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
37	December 7, 2014	JCB Back Hole-1993-1			1
38		Steel Compactor 80cm			1
39		Mitsubishi L200-2007	1	8	
40		Total Station			1
41		Level			1
42		Concrete Vibrator			1
43	December 8, 2014	JCB Back Hole-1993-1			1
44		Steel Compactor 80cm			1
45		Mitsubishi L200-2007	1	8	
46		Total Station			1
47		Level			1
48		Concrete Vibrator			1
49	December 9, 2014	JCB Back Hole-1993-1	1	8	
50		Steel Compactor 80cm			1
51		Mitsubishi L200-2007	1	8	
52		Total Station			1
53		Level			1
54		Concrete Vibrator			1
55	December 10, 2014	JCB Back Hole-1993-1			1
56		Steel Compactor	1	5	
57		Mitsubishi L200-2007	1	8	
58		Total Station			1
59		Level	1	4	
60		Concrete Vibrator			1
61	December 11, 2014	JCB Back Hole-1993-1	1	8	
62		Steel Compactor	1	4	
63		Mitsubishi L200-2007	1	8	
64		Total Station			1
65		Level			1
66		Concrete Vibrator			1
67	December 12, 2014	JCB Back Hole-1993-1			1
68		Steel Compactor 80cm			1
69		Mitsubishi L200-2007			1
70		Total Station			1
71		Level			1
72		Concrete Vibrator			1
73	December 13, 2014	JCB Back Hole-1993-1			1
74		Steel Compactor	1	4	
75		Mitsubishi L200-2007	1	8	
76		Total Station			1
77		Level			1
78		Concrete Vibrator			1

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

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
121	December 21, 2014	JCB Back Hole-1993-1			1
122		Steel Compactor			1
123		Mitsubishi L200-2007	1	8	
124		Total Station			1
125		Level			1
126		Concrete Vibrator			1
127	December 22, 2014	JCB Back Hole-1993-1	1	4	
128		Steel Compactor			1
129		Mitsubishi L200-2007	1	8	
130		Total Station			1
131		Level			1
132		Concrete Vibrator			1
133	December 23, 2014	JCB Back Hole-1993-1			1
134		Steel Compactor			1
135		Mitsubishi L200-2007	1	8	
136		Total Station			1
137		Level			1
138		Concrete Vibrator			1
139	December 24, 2014	JCB Back Hole-1993-1			1
140		Steel Compactor			1
141		Mitsubishi L200-2007	1	8	
142		Total Station			1
143		Level			1
144		Concrete Vibrator			1
145	December 25, 2014	JCB Back Hole-1993-1			1
146		Steel Compactor			1
147		Mitsubishi L200-2007	1	8	
148		Total Station			1
149		Level			1
150		Concrete Vibrator			1
151	December 26, 2014	JCB Back Hole-1993-1			1
152		Steel Compactor 80cm			1
153		Mitsubishi L200-2007	1	1	
154		Total Station			1
155		Level			1
156		Concrete Vibrator			1
157	December 27, 2014	JCB Back Hole-1993-1			1
158		Steel Compactor			1
159		Mitsubishi L200-2007	1	8	
160		Total Station			1
161		Level			1
162		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
163	December 28, 2014	JCB Back Hole-1993-1			1
164		Steel Compactor			1
165		Mitsubishi L200-2007	1	8	
166		Total Station			1
167		Level			1
168		Concrete Vibrator			1
169	December 29, 2014	JCB Back Hole-1993-1			1
170		Steel Compactor			1
171		Mitsubishi L200-2007	1	8	
172		Total Station			1
173		Level			1
174		Concrete Vibrator			1
175	December 30, 2014	JCB Back Hole-1993-1			1
176		Steel Compactor			1
177		Mitsubishi L200-2007	1	8	
178		Total Station			1
179		Level			1
180		Concrete Vibrator	1	1	
181	December 31, 2014	JCB Back Hole-1993-1			1
182		Steel Compactor			1
183		Mitsubishi L200-2007	1	8	
184		Total Station			1
185		Level			1
186		Concrete Vibrator	1	2	

SNW 22.5 Inspection Requests Log

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International Relief & Development

Color	Response Index
	Amend-Resubmit
	Pending
	Make Correction Noted

Inspection Requests Log
IRD/BV

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

Project: Wells Rehabilitation Project (WER)

Sender/ Recipient IRD/BV

						2nd Inspection	
No.	**Request Date**	**Date Inspection Required**	**Description of Works Inspected**	**Response Date**	**Grade**	**Response Date**	**Grade**
IR-13-00018-WER-025-A	December 4, 2014	December 4, 2014	Inspecting 150 mm Stainless Steel Thimbles for Balance Tank Roof Vents,150 mm Welded Steel Thimbles for Balance Tank Roof (Future) and 100 mm Welded Steel Thimbles for Balance Tank Roof (Debris Gate)	December 4, 2014	No Exceptions Noted		
IR-13-00018-WER-026-A	December 10, 2014	December 11, 2014	Inspection Compliance of Environmental Status with Contract Requirements as for September and October, 2014-Environmental Check Lists.	December 11, 2014	No Exceptions Noted		
IR-13-00018-WER-027-A	December 16, 2014	December 16, 2014	Inspection Compliance of Environmental Status with Contract Requirements as for November, 2014-Environmental Check List.	December 16, 2014	No Exceptions Noted		
IR-13-00018-WER-028-A	December 22, 2014	December 23, 2014	Inspecting the following pipes and fittings: 1. PVC SCH 80 PIPES DN:1.5", GEORG FISCHER (8 m). 2. PVC SCH 80 ELBOW 90° DN:1.5", GEORG FISCHER (2 Pcs). 3. PVC SCH 80 COUPLER 90° DN:1.5", GEORG FISCHER (6 Pcs).	December 23, 2014	No Exceptions Noted		
IR-13-00018-WER-029-A	December 28, 2014	December 28, 2014	Inspecting Safety Implementation of Confined Spaces Safety Plan at ARW & SNW Balance Tanks	December 28, 2014	Amend - Resubmit		

IRD International Relief & Development

	Color	Response Index
		Amend-Resubmit
		Pending
		No Exceptions Noted

Inspection Requests Log
IRD/BV

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

			1st Inspection			2nd Inspection	
No.	**Request Date**	**Date Inspection Required**	**Description of Works Inspected**	**Response Date**	**Grade**	**Response Date**	**Grade**
IR-13-00018-SNW-101-A	December 2, 2014	December 2, 2014	Inspection for Installation and Location of Electrical Boxes and PVC Pipes for Power and Lighting of Bath Room Side Wall in Living Quarter Building	December 2, 2014	No Exceptions Noted		
IR-13-00018-SNW-102-A	December 3, 2014	December 3, 2014	Inspecting Location and Installation for Electrical Underground Conduits of Electrical Metering Building	December 3, 2014	No Exceptions Noted		
IR-13-00018-SNW-103-A	December 7, 2014	December 7, 2014	Inspecting 32 mm PVC ADAPTER (MIMV), Inspecting 50 mm PVC ADAPTER (MIMV) and Inspecting 63mm PVC ADAPTER (MIMV)	December 7, 2014	No Exceptions Noted		
IR-13-00018-SNW-104-A	December 7, 2014	December 7, 2014	Inspecting Balance Tank Roof Slab Electrical Conduits	December 7, 2014	No Exceptions Noted		
IR-13-00018-SNW-105-A	December 7, 2014	December 7, 2014	Inspecting Mechanical Thimbles on Roof Slab 4" Steel, 6" Steel, 6" Stainless Steel	December 7, 2014	No Exceptions Noted		
IR-13-00018-SNW-106-A	December 8, 2014	December 8, 2014	Inspecting Steel Reinforcement & Formwork Closing for Balance Tank Roof Slab Prior to Concrete Casting	December 8, 2014	No Exceptions Noted		
IR-13-00018-SNW-107-A	December 9, 2014	December 10, 2014	Inspecting Steel Reinforcement and Formwork Closing for Walls of Sanur Living Quarter Building	December 10, 2014	Amend and Resubmit		
IR-13-00018-SNW-107-B	December 11, 2014	December 11, 2014	Inspecting Steel Reinforcement and Formwork Closing for Walls of Sanur Living Quarter Building	December 11, 2014	No Exceptions Noted		
IR-13-00018-SNW-108-A	December 11, 2014	December 14, 2014	Inspecting Formwork Closing for Walls of Sanur Living Quarter Building Prior to Concrete Casting.	December 14, 2014	Amend and Resubmit		
IR-13-00018-SNW-108-B	December 14, 2014	December 15, 2014	Inspecting Formwork Closing for Walls of Sanur Living Quarter Building Prior to Concrete Casting	December 15, 2014	No Exceptions Noted		
IR-13-00018-SNW-109-A	December 11, 2014	December 14, 2014	Inspecting Formwork and Steel Reinforcement of the Electrical Metering Building Foundation and Electrical Conduits Trench	December 14, 2014	No Exceptions Noted		
IR-13-00018-SNW-110-A	December 11, 2014	December 14, 2014	Inspecting Installation of Underground Electrical Conduits and Earthing under Electrical Room Building	December 14, 2014	No Exceptions Noted		
IR-13-00018-SNW-111-A	December 11, 2014	December 15, 2014	Inspection Steel Reinforcement and Formwork Closing for Foundation of Electrical Metering Building and Electrical Conduits Trench Prior to Concrete Casting	December 14, 2014	Amend and Resubmit		
IR-13-00018-SNW-111-B	December 14, 2014	December 15, 2014	Inspection Steel Reinforcement and Formwork Closing for Foundation of Electrical Metering Building and Electrical Conduits Trench Prior to Concrete Casting	December 15, 2014	No Exceptions Noted		
IR-13-00018-SNW-112-A	December 11, 2014	December 15, 2014	Inspecting Fence Wall Formwork and Installation of Fence Posts	December 14, 2014	Amend and Resubmit		
IR-13-00018-SNW-112-B	December 14, 2014	December 15, 2014	Inspecting Fence Wall Formwork and Installation of Fence Posts	December 15, 2014	No Exceptions Noted		
~~IR-13-00018-SNW-113-A~~	~~December 18, 2014~~	~~December 21, 2014~~	~~Inspecting Formwork and Steel Reinforcement of Roof Slab of Living Quarter Room~~	Retracted on 21/12/2014			
IR-13-00018-SNW-113-A	December 24, 2014	December 24, 2014	Inspecting Formwork and Steel Reinforcement Prior Concrete Casting for Living Quarter Roof Slab	December 24, 2014	No Exceptions Noted		
~~IR-13-00018-SNW-114-A~~	~~December 18, 2014~~	~~December 21, 2014~~	~~Inspecting Formwork and Steel Reinforcement of the Fence Wall Foundation from Station (00+016) to Station (00+052)~~	Retracted on 21/12/2014			
~~IR-13-00018-SNW-115-A~~	~~December 18, 2014~~	~~December 21, 2014~~	~~Inspecting the Slab on Grade Steel Reinforcement of the Electrical Metering Room~~	Retracted on 21/12/2014			
IR-13-00018-SNW-116-A	December 22, 2014	December 23, 2014	Inspecting Formwork and Steel Reinforcement of the Fence Wall Foundation from Station 0+016 to Station 0+068 Prior to Concrete Casting.	December 23, 2014	No Exceptions Noted		
IR-13-00018-SNW-117-A	December 23, 2014	December 23, 2014	Inspecting Installation and Location of Sanur Living Quarter Building Electrical Systems Conduits and Wiring Devices	December 23, 2014	Amend and Resubmit		
IR-13-00018-SNW-117-B	December 24, 2014	December 24, 2014	Inspecting Installation and Location of Sanur Living Quarter Building Electrical Systems Conduits and Wiring Devices	December 24, 2014	No Exceptions Noted		
IR-13-00018-SNW-118-A	December 23, 2014	December 23, 2014	Inspecting Installation and Location of Electrical & Metering Building Earthing and Trench Conduits	December 23, 2014	Amend and Resubmit		
IR-13-00018-SNW-119-A	December 24, 2014	December 24, 2014	Inspecting Roof Drain System of the Living Quarter Building	December 24, 2014	No Exceptions Noted		
~~IR-13-00018-SNW-120-A~~	~~December 29, 2014~~	~~December 29, 2014~~	~~Inspecting the Location of Part of Segment CD from Station (105+00) to Station (136+960) of the Fence Wall to Start Excavation and Base Course Backfill~~	Retracted on December 29, 2014			
IR-13-00018-SNW-121-A	December 29, 2014	December 29, 2014	Inspecting the Formwork of the Fence Wall and Installation of Posts from Station (00+016) to Station (00+068) Prior Concrete Casting-Part (1)	December 29, 2014	Amend and Resubmit		
IR-13-00018-SNW-121-B	December 30, 2014	December 30, 2014	Inspecting the Formwork of the Fence Wall and Installation of Posts from Station (00+016) to Station (00+068) Prior Concrete Casting-Part (1)	December 30, 2014	No Exceptions Noted		
IR-13-00018-SNW-122-A	December 31, 2014	December 31, 2014	Inspecting the Formwork of the Fence Wall and Installation of Posts from Station (00+016) to Station (00+068) Prior Concrete Casting-Part (2)	December 31, 2014	No Exceptions Noted		
IR-13-00018-SNW-123-A	December 31, 2014	December 31, 2014	Inspecting the Formwork and Steel Reinforcement of Living Quarter Parapet Prior to Concrete Casting	December 31, 2014	No Exceptions Noted		

SNW 22.6 Submittals Log

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IRD International Relief & Development

SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Dispositions/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	**Submittal Description**	**Specification Number**	**Submittal Category**	**Submittal Classification**	**Submittal Type**	**Project Identifier**	**Schedule Activity ID**	**BOQ Item No.**	**Rev.**	**Contractual Submission Date**	**Actual Submission Date from Subcontractor**	**Actual Submission Date**	**Submission Delay**	**Response Needed by (Max. 30 days)**	**Date Returned to IRD**	**Total Engineer Response Time**	**Submittal Disposition (Grade)**	**Remarks**
SUB-00018-ARW-180-B	Temporary Dumping Area Extension for Arraba Well	Section 01313, para.1	AD	CONS	SUB	ARW			B		November 30, 2014	December 2, 2014		January 1, 2015	December 8, 2014	6	B	
SUB-00018-WER-262-B	Admixture for Concrete (Conplast SP 430)	Section 03300-Part 2.1-C-5-f-4	PD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 16, 2014	1	A	
~~SUB-00018-WER-268-B~~	~~Protective Coating-Nitocote SN522-Primer Type for Balance Tank External Concrete Surfaces.~~	~~Section 09800-Paragraph: 2.2-O~~	~~PD~~	~~CONS~~	~~SUB~~	~~WER~~			~~B~~		~~November 30, 2014~~	~~December 4, 2014~~		~~January 3, 2015~~	~~December 8, 2014~~			Retracted
SUB-00018-WER-268-B	Protective Coating-Nitocote SN522- Primer Type for Balance Tank External Concrete Surfaces.	Section 09800-Paragraph: 2.2-O	PD	CONS	SUB	WER			B		From main contractor directly	December 10, 2014		January 9, 2015	December 14, 2014	4	A	
SUB-00018-ARW-295-B	Living Quarters Building Shop Drawing (Electrical)-Arraba Well Project	Section: 16110-Paragraph: 1.2B	SD	CONS	SUB	ARW			B		December 2, 2014	December 10, 2014		January 9, 2015	December 14, 2014	4	B	
SUB-00018-ARW-296-C	Electrical Metering Building Shop Drawing (Electrical)-Arraba Well Project	Section: 16110-Paragraph: 1.2B	SD	CONS	SUB	ARW			C		December 21, 2014	December 25, 2014		January 24, 2015	December 29, 2014	4	B	
SUB-00018-WER-455-B	Method Statement for B.T Foundation Concrete Pouring	SEC.03300-Contractor's Manual 4.1.6	AD	CONS	SUB	WER			B		From main contractor directly	December 4, 2014		January 3, 2015	December 4, 2014	0	A	
SUB-00018-WER-463-B	QC Monthly Report- August 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER	PCS-WER-200		B		From main contractor directly	December 11, 2014		January 10, 2015	December 14, 2014	3	A	
SUB-00018-SNW-466-B	Design Calculation and Shop Drawings for Booster Pumps Steel Shed	Section 01300- Part : 1.8.B.1.D	AD	CONS	SUB	SNW			B		November 30, 2014	December 1, 2014		December 31, 2014	December 4, 2014	3	B	
SUB-00018-SNW-481-B	Electrical Metering Building Shop Drawings (Electrical)	16110- Paragraph 1.2 (B)	SD	CONS	SUB	SNW			B		December 18, 2014	December 18, 2014		January 17, 2015	December 29, 2014	11	B	
SUB-00018-ARW-503-B	Checkers Plate Shop Drawings (Structural)	01300 & 05500-Paragraph 1.8B & 2.9	SD	CONS	SUB	ARW			B		December 21, 2014	December 23, 2014		January 22, 2015	December 30, 2014	7	B	
SUB-00018-SNW-504-B	Checkers Plate Shop Drawings (Structural)	01300 & 05500-Paragraph 1.8B & 2.9	SD	CONS	SUB	SNW			B		December 21, 2014	December 23, 2014		January 22, 2015	December 30, 2014	7	B	
SUB-00018-WER-514-B	QC Monthly Report- September 2014	Section 01300- Part-1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	December 10, 2014		January 9, 2015	December 11, 2014	1	A	
SUB-00018-WER-515-B	Precast Concrete Curbs Plant Qualification (Al-Fares Co. for Block and Building Materials)	Section: 02464- Paragraph: 3.11 & 3.12	AD	CONS	SUB	WER			B		December 16, 2014	December 16, 2014		January 15, 2015	December 22, 2014	6	A	
SUB-00018-ARW-537-B	Booster Pump Shop Drawings for Arraba Well Station	Section: 11101- Paragraph: 1.3	SD	CONS	SUB	ARW			B		December 8, 2014	December 10, 2014		January 9, 2015	December 18, 2014	8	B	
SUB-00018-ARW-545-B	Arraba Well Rig Slab Shop Drawings (Structural)	Section 02464- Paragraph: 1.2A	SD	CONS	SUB	ARW			B		December 24, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	B	
SUB-00018-WER-564-B	Electric Heating	Section: 15549 -Paragraph: 2.1 & 2.2	PD	CONS	SUB	WER			B		December 8, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-WER-580-B	Free Chlorination Residual Measuring System	Section: 17112- Paragraph: 2.2 - A,C,E	PD	CONS	SUB	WER			B		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-WER-584-A	Wall Mounted Toilet Exhaust Fans, Direct-Drive In Living Quarters	Section: 15830- Paragraph: 2.3	PD	CONS	SUB	WER			A		December 7, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-ARW-592-B	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			B		From main contractor directly	December 4, 2014		January 3, 2015	December 8, 2014	4	B	
SUB-00018-SNW-593-B	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			B		From main contractor directly	December 4, 2014		January 3, 2015	December 8, 2014	4	B	
SUB-00018-WER-595-B	Plaster Accessories	Section 09200- Paragraph: 1.3B & 2.3A	PD	CONS	SUB	WER			B		December 22, 2014	December 23, 2014		January 22, 2015	December 28, 2014	5	B	
SUB-00018-WER-603-B	Plumping Fixture	Section 15440- Paragraph: 2.2	PD	CONS	SUB	WER			B		December 3, 2014	December 3, 2014		January 2, 2015	December 4, 2014	1	B	
SUB-00018-WER-614-B	Confined Space Safety Plan	Contractor's Manual - Section: 4.1	AD	CONS	SUB	WER			B		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-WER-615-B	Modified Formwork Design Calculations for B.T Elevated Roof Slab	Section 03100- Paragraph: 3.7	AD	CONS	SUB	WER			B		From main contractor directly	December 3, 2014		January 2, 2015	December 4, 2014	1	B	
SUB-00018-WER-616-A	Steel Welders Qualification Test Certificates	Section: 02570- Paragraph : 1.3J	AD	CONS	SUB	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	A	
SUB-00018-WER-617-A	Plastering, Tiles and Blocks Mix Design	Sections: 09200, 09300, 09310, and 04232	TR	CONS	Lab Test	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	B	
SUB-00018-WER-618-A	Method Statement for Finishing Works of Buildings (External & Internal)	Sections: 09200, 09300, 09310, and 04232	AD	CONS	SUB	WER			A		From main contractor directly	December 1, 2014		December 31, 2014	December 4, 2014	3	C	
SUB-00018-WER-618-B	Method Statement for Finishing Works of Buildings (External & Internal)	Sections: 09200, 09300, 09310, and 04232	AD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 18, 2014	3	B	
SUB-00018-SNW-619-A	Test Report on Concrete Compressive Strength at 28 Days of Age – S.O.G for Living Quarter	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 1, 2014	0	A	
SUB-00018-SNW-620-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall Section C	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 1, 2014	0	A	
SUB-00018-ARW-621-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Arraba B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 2, 2014	1	A	
SUB-00018-ARW-622-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section C	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 1, 2014		December 31, 2014	December 2, 2014	1	A	
SUB-00018-ARW-623-A	Finish Ground Level for Arraba Well after Slightly Shifting as Per B&V Response on RFI -18-WER-053	N/A	SD	CONS	SUB	ARW			A		December 1, 2014	December 1, 2014		December 31, 2014	December 10, 2014	9	A	
SUB-00018-WER-624-A	Aluminum Window	Section: 08520, Paragraph: 1.2.1 & 1.2.2	PD	CONS	SUB	WER			A		October 29, 2014	December 2, 2014		January 1, 2015	December 7, 2014	5	C	
SUB-00018-WER-624-B	Aluminum Window	Section: 08520, Paragraph: 1.2.1 & 1.2.2	PD	CONS	SUB	WER			B		December 28, 2014	December 29, 2014		January 28, 2015	December 31, 2014	2	B	
SUB-00018-ARW-625-A	Field Density Compaction Test for Substrata – Living Quarter Room / Level (265.60m)	Section 02200	TR	CONS	SUB	ARW			A		From main contractor directly	December 3, 2014		January 2, 2015	December 7, 2014	4	A	
SUB-00018-WER-626-A	Ceramic Tile	Section 09310, Paragraph: 2.1B	PD	CONS	SUB	WER			A		December 3, 2014	December 3, 2014		January 2, 2015	December 10, 2014	7	D	
SUB-00018-WER-627-A	QC Monthly Report- November 2014	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	December 7, 2014		January 6, 2015	December 8, 2014	1	C	
SUB-00018-WER-627-B	QC Monthly Report- November 2014	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			B		From main contractor directly	December 15, 2014		January 14, 2015	December 24, 2014	9	B	
SUB-00018-WER-628-A	Replacement of Process Control and Instrumentation Systems Supplier & Electrical Calculation & Protection Designer	Section: 17100- Paragraph:1.1E	AD	CONS	SUB	WER			A		December 7, 2014	December 7, 2014		January 6, 2015				Pending
SUB-00018-WER-629-A	PVC Membrane	2.3A, 2.1B-b-1	PD	CONS	SUB	WER			A		December 3, 2014	December 9, 2014		January 8, 2015	December 14, 2014	5	D	
SUB-00018-WER-630-A	Lab Testing Report for Manhole Cover and Frame	Section 02490	TR	CONS	Lab Test	WER			A		From main contractor directly	December 9, 2014		January 8, 2015	December 9, 2014	0	A	
SUB-00018-WER-631-A	Visual Inspection Report of Welded Steel Thimbles - B.T Roof	Section 02570	TR	CONS	Lab Test	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 10, 2014	0	A	
SUB-00018-WER-632-A	Monthly Safety Plan Update - November, 2014	Contractor`s Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 11, 2014	1	A	
SUB-00018-WER-633-A	Monthly Risk Management Plan Update - November, 2014	Contractor`s Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	December 10, 2014		January 9, 2015	December 16, 2014	6	B	
SUB-00018-ARW-634-A	Operation and Maintenance Technical Manual (Table of Contents)-Sanur Well Project	Section 01781 - Paragraph: 1.6 & 1.7	AD	CONS	SUB	ARW			A		December 8, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-WER-635-A	Chlorination Room Eye Wash	Section: 15440- Paragraph: 2.2	PD	CONS	SUB	WER			A		December 7, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
~~SUB-00018-WER-636-A~~	~~Containment Pallet Ramp – Alternative~~	~~Section: 11259- Paragraph: 2.3C~~	~~PD~~	~~CONS~~	~~SUB~~	~~WER~~			~~A~~		~~November 29, 2014~~	~~December 10, 2014~~		~~January 9, 2015~~	~~December 10, 2014~~			Retracted
SUB-00018-WER-637-A	Electrical and Control Building Air Conditioning Calculations as per RFI-18-WER-C-E-020	Section: 15700 & 15730	PD	CONS	SUB	WER			A		December 8, 2014	December 10, 2014		January 9, 2015	December 16, 2014	6	C	

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SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Disposition/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-ARW-638-A	Revised Underground Electrical Conduits Shop Drawings for Living Quarter	Sections: 16110 & 16450 Paragraph: 1.2B & 1.2B	SD	CONS	SUB	ARW			A		December 9, 2014	December 10, 2014		January 9, 2015	December 11, 2014	1	B	
SUB-00018-ARW-639-A	Soil Confirmation Report for L.Q Building – Arraba Well	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-640-A	Field Density Compaction Test for Substrata – Chlorination Building Edge Foundation / Level (265.90)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-641-A	Field Density Compaction Test for Subgrade – Chlorination Building Edge Foundation / Level (266.10m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-642-A	Field Density Compaction Test for Subgrade – Living Quarter Building Edge Foundation / Level (265.95m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-643-A	Field Density Compaction Test for Base Course – Living Quarter Building Edge Foundation / Level (266.15m)	Section 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-ARW-644-A	Test Report on Reinforcement Steel Bars (Φ 12-Israeil) / B.T Roof Slab	Section 03200	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-645-A	Test Report on Reinforcement Steel Bars (Φ 12-Turky) / Qanazeh Supplier	Section 03200	TR	CONS	Lab Test	WER			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-SNW-646-A	Test Report on Reinforcement Steel Bars (Φ 12 & Φ 16 - Israel)	Section 03200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-647-A	Monthly Environmental Plan Update and Mitigation Plan Update-November 2014	Contractor`s Manual-Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	December 11, 2014		January 10, 2015	December 16, 2014	5	A	
SUB-00018-ARW-648-A	Field Density Compaction Test for Base Course – Chlorination Room Edge Foundation / Level (266.30m)	Section 02200	TR	CONS	SUB	ARW			A		From main contractor directly	December 11, 2014		January 10, 2015	December 11, 2014	0	A	
SUB-00018-WER-649-A	Updated CPM Construction Schedule-November 2014	Section 01311	AD	CONS	SUB	WER			A		From main contractor directly	December 14, 2014		January 13, 2015	December 21, 2014	7	C	
SUB-00018-WER-649-B	Updated CPM Construction Schedule-November 2014	Section 01311	AD	CONS	SUB	WER			B		From main contractor directly	December 22, 2014		January 21, 2015	December 28, 2014	6	B	
SUB-00018-ARW-650-A	Arraba Booster Pumps Barrel Shop Drawing	Section: 11103	SD	CONS	SUB	ARW			A		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-SNW-651-A	Sanur Booster Pumps Barrel Shop Drawing	Section: 11103	SD	CONS	SUB	SNW			A		From main contractor directly	December 14, 2014		January 13, 2015	December 16, 2014	2	B	
SUB-00018-WER-652-A	Chemical Diffuser	Section: 11259- Paragraph: 2.13 A, B & C	PD	CONS	SUB	WER			A		December 13, 2014	December 14, 2014		January 13, 2015	December 16, 2014	2	D	
SUB-00018-WER-653-A	QA/QC Submittal Register Monthly Update – November, 2014	Contractor's manual, 4.1-construction submittals (3), Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	December 15, 2014		January 14, 2015	December 28, 2014	13	B	
SUB-00018-ARW-654-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T. Roof Slab	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 15, 2014		January 14, 2015	December 16, 2014	1	A	
SUB-00018-WER-655-A	Electrical Metering Building HVAC Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	WER			A		December 15, 2014	December 15, 2014		January 14, 2015	December 16, 2014	1	B	
SUB-00018-WER-656-A	Living Quarter HVAC Shop Drawings	Section: 15730- Paragraph: 1.2	SD	CONS	SUB	WER			A		December 15, 2014	December 15, 2014		January 14, 2015	December 16, 2014	1	C	
SUB-00018-ARW-657-A	Variable Frequency Drives for Booster Pump & Well Pump (SIMENS)	Section: 16455	PD	CONS	SUB	ARW			A		December 15, 2014	December 15, 2014		January 14, 2015				Pending
SUB-00018-SNW-658-A	Variable Frequency Drives For Booster Pump (SIEMENS)	Section: 16455	PD	CONS	SUB	SNW			A		December 15, 2014	December 15, 2014		January 14, 2015				Pending
SUB-00018-WER-659-A	Terrazzo Tiles	Section: 09300-Paragraph: 2.1 A	PD	CONS	SUB	WER			A		December 15, 2014	December 16, 2014		January 15, 2015	December 24, 2014	8	A	
SUB-00018-WER-660-A	Padmount Transformers	Section: 16400- Paragraph: 2.1	PD	CONS	SUB	WER			A		December 16, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-ARW-661-A	Arraba Chlorination Room Mechanical Shop Drawings	Section 15000	SD	CONS	SUB	ARW			A		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-SNW-662-A	Sanur Chlorination Room Mechanical Shop Drawings	Section 15000	SD	CONS	SUB	SNW			A		December 15, 2014	December 17, 2014		January 16, 2015				Pending
SUB-00018-SNW-663-A	Booster Pump Shop Drawings for Sanur Well Station (Structural & Architectural)	Section: 11101- Paragraph: 1.3	SD	CONS	SUB	SNW			A		December 16, 2014	December 17, 2014		January 16, 2015	December 18, 2014	1	B	
SUB-00018-WER-664-A	PLC-Based Control System Hardware	Section: 17510-2.4A, B, C, D & E	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-665-A	Manhole Covers And Frames (Sewage and Water)	Section: 02940-Paragraph: 2.2	PD	CONS	SUB	WER			A		December 14, 2014	December 18, 2014		January 17, 2015	December 18, 2014	0	B	
SUB-00018-SNW-666-A	Test Report on Concrete Compressive Strength at 28 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	December 18, 2014		January 17, 2015	December 18, 2014	0	A	
SUB-00018-SNW-667-A	Test Report on Concrete Compressive Strength at 7 Days of Age – B.T Roof Slab	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 18, 2014		January 17, 2015	December 18, 2014	0	A	
SUB-00018-SNW-668-A	Method Statement for Septic Tank and seepage Pit Construction - Sanur Well Project	Section: 02671	AD	CONS	SUB	SNW			A		From main contractor directly	December 18, 2014		January 17, 2015	December 22, 2014	4	B	
SUB-00018-WER-669-A	Servers, Network Components & UPS	Section: 17510 - 2.3(A,B,C,D)-2.6(A,B,C,D,E,F,G)-2.7(A,B,D,J,K,L)	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-670-A	Copper Pipe, Copper Pipe Coated and Cobra PVC Conduit	Section: 15730- Paragraph: 2.1 & 2.2	SMP	CONS	SUB	WER			A		December 15, 2014	December 18, 2014		January 17, 2015	December 21, 2014	3	A	
SUB-00018-WER-671-A	Calibration Column	Section: 11259- Paragraph: 2.10A	PD	CONS	SUB	WER			A		December 16, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-672-A	Low Voltage Motor Control Center - Material	Section: 16480-1.2,(2.1(A,B))-(2.2(A,B,C,D,E,F,G)-(2.3(A,B,C,D,E,F,G)-(2.4.G)-(2.8.A)	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-WER-673-A	MOTOR TRANSFER SWTICH-COMPOMENT	Section: 16480	PD	CONS	SUB	WER			A		December 18, 2014	December 18, 2014		January 17, 2015				Pending
SUB-00018-SNW-674-A	Variable Frequency Drive Units(500hp)-Sanur as per SM-13-18-WER-E-C-007	Section: 16455	PD	CONS	SUB	SNW			A		December 21, 2014	December 21, 2014		January 20, 2015				Pending
SUB-00018-WER-675-A	Method Statement for De-Shuttering of the Elevated Roof Slabs of Balance Tanks	Section: 3100-Paragraph: 3.5	AD	CONS	SUB	WER			A		From main contractor directly	December 21, 2014		January 20, 2015	December 24, 2014	3	C	
SUB-00018-WER-675-B	Method Statement for De-Shuttering of the Elevated Roof Slabs of Balance Tanks	Section: 3100-Paragraph: 3.5	AD	CONS	SUB	WER			B		From main contractor directly	December 25, 2014		January 24, 2015	December 25, 2014	0	A	
SUB-00018-WER-676-A	Testing And Disinfection Of Concrete Structures (Water Hydraulic Structure)	Section: 01650	AD	CONS	SUB	WER			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	B	
SUB-00018-SNW-677-A	Soil Confirmation Report for Fence Wall – Sanur Well Segment BC / (0+016 to 0+068)	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-SNW-678-A	Field Density Compaction Test for Sub Grade - Fence Wall Foundation (0+016- 0+044) – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-SNW-679-A	Field Density Compaction Test for Base Course - Fence Wall Foundation (0+016- 0+044) – Sanur Well	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 22, 2014		January 21, 2015	December 23, 2014	1	A	
SUB-00018-WER-680-A	Scupper Drain for Buildings	Section: 15430- Paragraph: 2.8	SMP	CONS	SUB	WER			A		December 22, 2014	December 22, 2014		January 21, 2015	December 23, 2014	1	B	
SUB-00018-ARW-681-A	Arraba Well Pump Shop Drawings	Section: 11101	SD	CONS	SUB	ARW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 23, 2014	0	B	
SUB-00018-SNW682-A	Sanur Well Pump Shop Drawings	Section: 11101	SD	CONS	SUB	SNW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 23, 2014	0	B	
SUB-00018-ARW-683-A	Mill Certificates for Arraba Booster Pump Ancillarics	Section: 01300	AD	CONS	SUB	ARW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 24, 2014	1	A	
SUB-00018-SNW-684-A	Mill Certificates for Sanur Booster Pump Ancillaries	Section: 01300	AD	CONS	SUB	SNW			A		From main contractor directly	December 23, 2014		January 22, 2015	December 24, 2014	1	A	
SUB-00018-ARW-685-A	Earth Shop Drawings for Chlorination and Storage Building	Section: 16450- Paragraph: 1.2B	SD	CONS	SUB	ARW			A		December 18, 2014	December 23, 2014		January 22, 2015	December 29, 2014	6	B	

IRD International Relief & Development

SUBMITTAL REGISTER LOG/SCHEDULE

Task Order: 00018-WER

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

Contract No. AID-294-TO-13-00018

NTP: 23-Oct-13

NOA: 25-Sep-13

Submittal Categories		Submittal Classification		Identifiers:		Resubmittal Alpha Identifier		Submittal Disposition/ 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		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							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-SNW-686-A	Water Drain System Shop Drawings for Sanur L.Q	Section: 15430-Paragraph: 2.8	SD	CONS	SUB	SNW			A		December 24, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-687-A	Water Drain System Shop Drawings for Arraba L.Q	Section: 15430-Paragraph: 2.8	SD	CONS	SUB	ARW			A		December 23, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-688-A	Revised Shop Drawing for Arraba Electrical Metering Building (Architectural & Structural)	Section: 01300-Paragraph: 1.8B	SD	CONS	SUB	ARW			A		December 21, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-SNW-689-A	Revised Shop Drawing for Sanur Electrical Metering Building (Architectural & Structural)	Section: 01300-Paragraph: 1.8B	SD	CONS	SUB	SNW			A		December 24, 2014	December 24, 2014		January 23, 2015	December 28, 2014	4	C	
SUB-00018-ARW-690-A	Underground Electrical Conduits Shop Drawings for Chlorination and Storage Building	16110- Paragraph: 1.2B	SD	CONS	SUB	ARW			A		December 18, 2014	December 25, 2014		January 24, 2015				Pending
SUB-00018-SNW-691-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section E2	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 28, 2014		January 27, 2015	December 28, 2014	0	A	
SUB-00018-ARW-692-A	Arraba Station Entrance Level & Section Shop Drawings	Section 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			A		December 24, 2014	December 28, 2014		January 27, 2015				Pending
SUB-00018-SNW-693-A	Underground Electrical Conduits and Earth Shop Drawings for Chlorination and Storage Building	Section 01300- Paragraph: 1.3	SD	CONS	SUB	SNW			A		December 24, 2014	December 28, 2014		January 27, 2015				Pending
SUB-00018-WER-694-A	Building Steel Doors Company Profile	Section: 08110	AD	CONS	SUB	WER			A		November 12, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	A	
SUB-00018-WER-695-A	PVC Sch80 Pipes and Fittings for Portable Water Service – Welding Solvent	Section: 15000- Paragraph: 1.2B-2	PD	CONS	SUB	WER			A		December 16, 2014	December 28, 2014		January 27, 2015	December 29, 2014	1	A	
SUB-00018-WER-696-A	Medium Voltage Metal-Enclosed Switch Gear 36KV	Section: 16362	PD	CONS	SUB	WER			A		December 28, 2014	December 29, 2014		January 28, 2015				Pending
SUB-00018-SNW-697-A	Field Density Compaction Test for Sub-Grade – Chlorination Room Edge Footing	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-698-A	Field Density Compaction Test for Base Course – Chlorination Room Edge Footing	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-699-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-700-A	Field Density Compaction Test for Subgrade – Electrical and Control Building	Section 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
~~SUB-00018-SNW-701-A~~	~~Test Report on Granular Base Course Material – Sanur / Under Foundation~~	~~Section 02200~~	~~TR~~	~~CONS~~	~~Lab Test~~	~~SNW~~			~~A~~		~~From main contractor directly~~	~~December 30, 2014~~		~~January 29, 2015~~	~~December 31, 2014~~			Retracted
SUB-00018-SNW-701-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Fence Wall Foundation / Station (0+016 to 0+068)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 31, 2014		January 30, 2015	December 31, 2014	0	A	
SUB-00018-ARW-702-A	Test Report on Concrete Compressive Strength at 7 Days of Age – L.Q and EMR Edge Foundation & Trenches	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-703-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section E1	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-704-A	Test Report on Concrete Compressive Strength at 7 Days of Age – Foundation of EMR, L.Q Walls and Fence Wall Stations (0+000 to 0+016)	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-SNW-705-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Sanur B.T Wall / Section D	Section 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	
SUB-00018-ARW-706-A	Test Report on Concrete Compressive Strength at 28 Days of Age – Arraba B.T Wall / Section E2	Section 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	December 30, 2014		January 29, 2015	December 30, 2014	0	A	

SNW 22.7 Requests for Information Log

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IRD International Relief & Development

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

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

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
~~RFI-18-WER-C-E-057~~	~~Internal Ladders of the Balance Tank~~		~~Section 05500~~	~~Program Standard Details -Sheet GS-10~~	~~December 2, 2014~~			~~Retracted~~		December 8, 2014
~~RFI-18-WER-C-E-057~~	~~Internal Ladders of the Balance Tank~~		~~Section 05500~~	~~Program Standard Details -Sheet GS-10~~	~~December 8, 2014~~			~~Retracted~~		December 21, 2014
RFI-18-WER-C-E-058	Roof Slab Insulation		Section 07545		December 21, 2014	December 24, 2014	3	Response	CMC has no objection to use the proposed SBS Bitumen membrane 5 mm with screed concrete instead of PVC membrane. However, Contractor to submit shop-drawing and material for CMC acceptance Contractor to submit a VOR accordingly.	
RFI-18-WER-C-E-059	Chlorination Building Floors Finish		Sections 09300, 09800	Program Standard Details GA-3	December 23, 2014	December 31, 2014	8	Response	Contractor to Provide Floor Tiles as Specified	
RFI-18-WER-C-E-060	IEEE and NEMA MG-1 Tests for the Electrical Motors		Sections SEC-16460 Para. 3.2	Others-Engineer Response on RFI#049	December 23, 2014			Pending		
RFI-18-WER-C-E-061	Response To: RFI-013-00018-WER-C-E-055-Tank Roof Hand Rail and External Ladder		Section 05500		December 25, 2014			Pending		
RFI-18-WER-C-E-062	Septic Seepage Pit		Sections 02200, 03300	Program Standard Design DWGs-SSC-1, SSC-2	December 28, 2014	December 30, 2014	2	Response	Contractor's proposal is not accepted. Contractor to comply with the contract document as per specification sections 010101-1.1-A and 01025-A & B	
RFI-18-WER-C-E-063	Multi-Core Power Cables 4x300 mm+1x120 mm		Sections 16120		December 28, 2014			Pending		

SNW 22.8 Variation Order Request and Variation Order Log

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International Relief & Development

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

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

International Relief & Development

		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 no.	Date	Revision Date	Time Modification	Modification Cost ($)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
~~VOR-00018-WER-008-A~~	November 25, 2014		11 Days	6880.10$			IRs.#019 & 022, RFI.#040, Approved DJCRs.#291, 293, 294, 296, 301, 303, 306, 307, 308, 309, 310 and Hijjawi Lab Report.#M/1407/186	1- Extra excavations at SNW Balance Tank area-Booster pumps suction header area to an extra depth of 2 meters. 2- Back filling of 4 layers of base course, spreading and compaction.	Retracted on December 29, 2014	

SNW 22.9 Employment Generated Data

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USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

CONTRACT NO. AID-294-I-00-12-00003

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

Wells Rehabilitation Project-WER

Temproray Job Days Summary Report

Task Order Name: Wells Rehabilitation Project-WER — PERIOD FROM: Oct-23-2013 (NTP)

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

CONTRACTOR: IRD

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Males)	Total Job Days (Females)	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	0	0	0	0	0	0	0	0	0	
November	2013	36	0	4	7	3	50	2	50	0	
December	2013	45	14	9	3	24	95	4	87	8	
January	2014	65	39	3	2	72	181	8	152	29	
February	2014	60	38	0	0	69	167	7	138	29	
March	2014	75	49	3	6	67	199	8	158	41	
April	2014	79	72	196	162	208	716	30	650	66	
May	2014	95	87	188	185	255	810	34	745	65	
June	2014	83	83	90	107	168	530	22	478	52	
July	2014	75	72	99	48	160	453	19	406	47	
August	2014	68	78	73	40	183	441	19	389	52	
September	2014	79	78	204	137	203	700	29	654	46	
Total of FY 2014							4341	182.3844538	3905	435	
October	2014	67	66	167	133	197	629	26	596	33	
November	2014	80	78	209	158	188	712	30	673	39	
December	2014	80	80	180	171	200	710	30	670	40	
January	2015						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							2050	86.14495798			

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

CONTRACT NO. AID-294-I-00-12-00003

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

Wells Rehabilitation Project-WER

TEMPORARY JOB DAYS REPORT

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

DATE	Site Staff Job Days **																									Man-days*				
	Worker/Classification (Hours)																													
	Management				Engineers					Skilled labor				Unskilled labor		Other														
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc ..	Document Control Engineer(F)	Document Control Engineer	Civil Engineer (F)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Foreman	Equipment Operator	Flagman	Unskilled Labor	Guard / Security	Janitor (F)	Janitor	Document Control Officer	Surveyor	Surveyor Assistant	Welders	Geologist	Driver	Rig Supervisor	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
December 1, 2014	4	4	4	8	4	4	4	4	8	8	40	16			72	36	4	8		4						2.5	3	8	9	6.5
December 2, 2014	4	4	4	8	4	4	4	4	8	8	32	16			64	36	4	8		4						2.5	3	7	8	6.5
December 3, 2014	4	4	4	8	4	4	4	4	8	8	32	16			64	36	4	8		4						2.5	3	7	8	6.5
December 4, 2014	4	4	4	8	4	4	4	4	8	8	32	16			64	36	4	8		4						2.5	3	7	8	6.5
December 5, 2014																36										0	0	0	0	4.5
December 6, 2014	4	4	4	12	4	4	4	4	8	8	32	16			64	36	4	8		4						3	3	7	8	6.5
December 7, 2014	4	4	4	12	4	4	4	4	8	8	32	16			56	36	4	8		4						3	3	7	7	6.5
December 8, 2014	4	4	6	12	4	4	4	4	8	8	40	16			64	36	4	8		4						3.25	3	8	8	6.5
December 9, 2014	4	4	6	12	4	4	4	4	8	8	16	16	8		48	36	4	8		4						3.25	3	6	6	6.5
December 10, 2014	4	4	6	12	4	4	4	4	8	8	16	16	5		40	36	4	8		4						3.25	3	5.625	5	6.5
December 11, 2014	4	4	6	12	4	4	4	4	8	8	32	16	12		48	36	4	8		4						3.25	3	8.5	6	6.5
December 12, 2014																36										0	0	0	0	4.5
December 13, 2014	4	4	4	12	4	4	4	4	8	8	32	8	8		32	36	4	8		4						3	3	7	4	6.5
December 14, 2014	4	4	4	12	4	4	4	4	8	8		16				36	4	8		4						3	3	3	0	6.5
December 15, 2014	4	4	4	12	4	4	4	4	8	8	24	16			48	36	4	8		4						3	3	6	6	6.5
December 16, 2014	4	4	4	12	4	4	4	4	8	8	16	8	4		32	36	4	8		4						3	3	4.5	4	6.5
December 17, 2014	4	4	4	12	4	4	4	4	8	8	32	8	7		48	36	4	8		4						3	3	6.875	6	6.5
December 18, 2014	4	4	4	12	4	4	4	4	8	8	32	8			64	36	4	8	4	4						3	3	6	8	7
December 19, 2014															2	36										0	0	0	0.25	4.5
December 20, 2014	4	4	4	12	4	4	4	4	8	8	40	8			64	36	4	8	4	4						3	3	7	8	7
December 21, 2014	4	4	4	12	4	4	4	4	8	8	32	8			56	36	4	8	4	4						3	3	6	7	7
December 22, 2014	4	4	4	12		4	4	4	8	8	32	8	4		56	36	4	8	4	4						3	2.5	6.5	7	7
December 23, 2014	4	4	4	12	4	4	4	4	8	8	42	8	4		49	36	4	8	4	4						3	3	7.75	6.125	7
December 24, 2014	4	4	4	12	4	4	4	4	8	8	28	8			42	36	4	8	4	4						3	3	5.5	5.25	7
December 25, 2014	4	4	4	12	4	4	4	4	8	8	28	8			28	36	4	8	4	4						3	3	5.5	3.5	7
December 26, 2014															1	36										0	0	0	0.125	4.5
December 27, 2014	4	4	4	12	4	4	4	4	8	8	128	8			64	36	4	8	4	4						3	3	18	8	7
December 28, 2014	4	4	4	12	4	4	4	4		8	40	8			72	36	4	8	4	4						3	2	7	9	7
December 29, 2014	4	4	4	12	4	4	4	4	8	8	24	8			56	36	4	8	4	4						3	3	5	7	7
December 30, 2014	4	4	4	12	4	4	4	4	8	8	8	8			32	36	4	8	4	4						3	3	3	4	7
December 31, 2014	4	4	4	12	4	4	4	4	8	8	16	8			40	36	4	8	4	4						3	3	4	5	7
Total of Month	**108**	**108**	**116**	**308**	**104**	**108**	**108**	**108**	**208**	**216**	**858**	**312**	**52**	**0**	**1370**	**1116**	**108**	**216**		**108**	**0**	**0**	**0**		**0**	**80**	**80**	**180**	**171**	**200**

SNW 22.10 Risk Register Log

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

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	Delay in work, water shortage in the villages.	Contractor	11th of July,.2014	2	2	4	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or 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.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel injuries (electric shock).	Contractor	11th of July,.2014	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	Construction	Falls and Equipment	These hazards include exposure to falls, falling loads, and mobile equipment.	Personnel injuries and delay in work.	Contractor	4th of August,.2014	1	2	2	No	No	Mitigate	Keep materials or equipment that might fall or roll into an excavation at least 2 feet from the edge of excavations, or have retaining devices, or both. Provide warning systems such as mobile equipment, barricades. To avoid being struck by any spillage or falling materials, require employees to stand away from vehicles being loaded or unloaded.	IRD	Existing	
4	Construction	Fall of personnel during construction of Balance Tank.	Personnel working in construction activities are usually subject to sudden slippage off scaffolding and might get injured by reinforcing steel bars or any other objects.	Personnel injuries.	Contractor	11th of October, 2014	2	1	2	No	No	Mitigate	Holding TB meetings regularly to aware workers of existing danger. Apply safety measures by wearing PPTs. Avoid running over scaffoldings. Good house-keeping of the site in all times.	IRD	Existing	
5	Contractor	Delay in procurement of big electrical equipment	Procurement of electrical equipment (control and instrumentation) might encounter a delay due changing supplier. The original supplier failed to fulfill specifications as per first few submittals he provided which were rejected by the Engineer.	Delay in commissioning date of the project	Contractor	25th of October, 2014	2	3	6	No	Yes	Mitigate	Contractor is working closely with the Sub and the alternative supplier in leading all meetings and discussions in this regard. Huge efforts are made so far and extreme is being exerted on the alternative supplier to accelerate submission process of relevant submittals and to squeeze manufacturing period as much as possible to save time.	IRD	Existing	
6	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel injuries.	Contractor	27th of December, 2014	2	2	4	No	No	Mitigate	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Existing	

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