



USAID | **WEST BANK/GAZA**
FROM THE AMERICAN PEOPLE

CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

September 01 - September 30, 2015

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

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

WELLS REHABILITATION PROJECT-WER

October 05, 2015

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

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Reporting Period:

September 01 - September 30, 2015

PROJECT I-ARRABA WELL PUMP STATION-ARW

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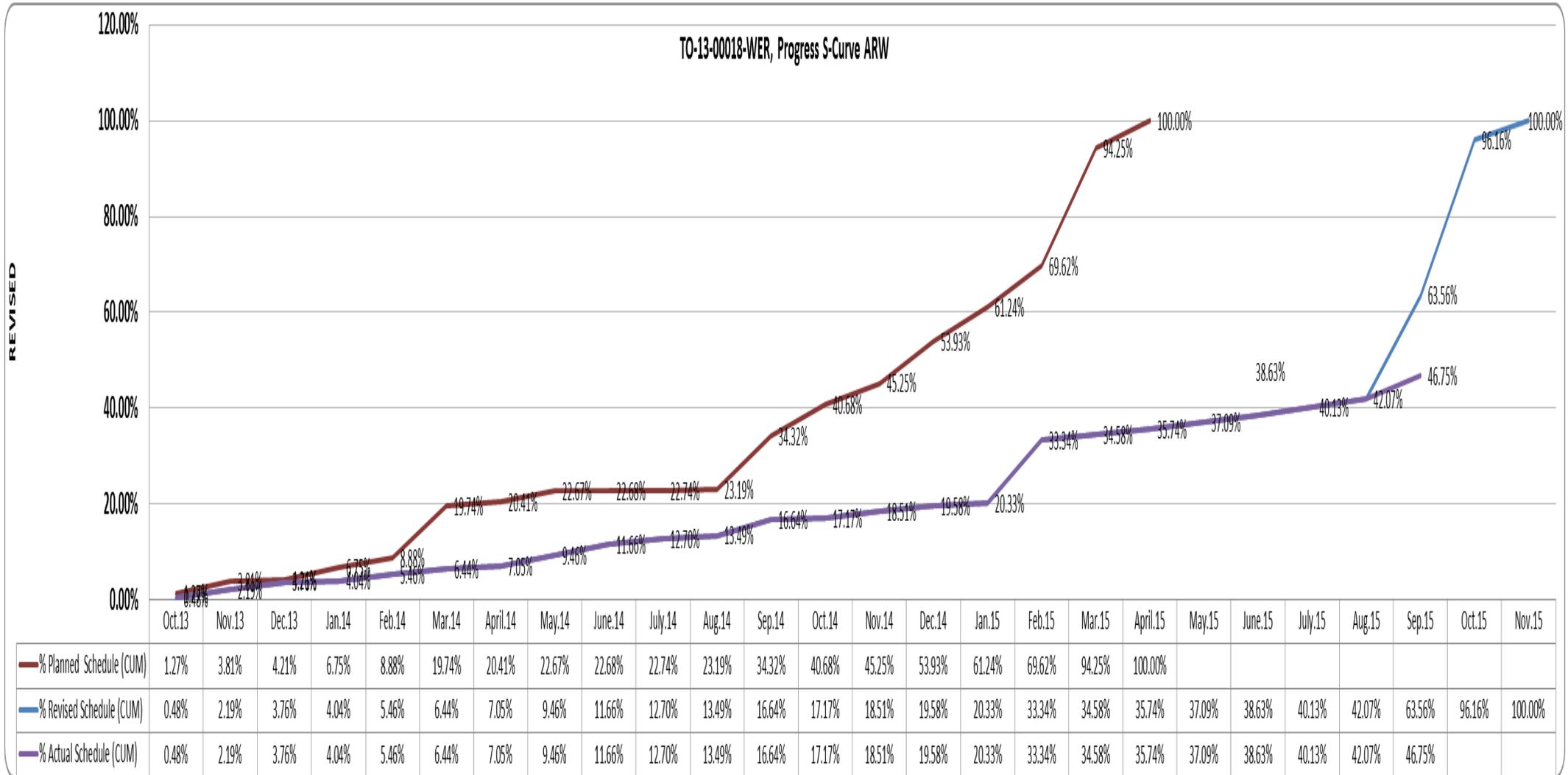
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1. Arraba Well (ARW) Dashboard Status



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2. Public Relation and Outreach

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

3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO₂).

Traffic Management:

Traffic plan for Arraba project had been submitted, approved and applied.

Safety Meeting:

Safety meetings were conducted with IRD Subcontractor to improve the existing safety program and to create increased awareness of the Subcontractor's responsibilities for the health and safety of their workers (unless there are no activities onsite during the current reporting period).

- Arraba Well: three toolbox meetings were conducted during the month of September 2015.

Environmental Status

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

Accident Status:

During the current reporting period (0) accident occurred.

The accident statistics for the month of September 2015 can be summarized as follows:

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

Notice of Unsafe Condition:

No NUC's were issued during the reporting period.

Safety Conclusion:

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

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Safety Photos:



Safety tool box meeting-ARW



Safety tool box meeting-ARW



General cleaning of balance tank elevated slab-ARW



General housekeeping and cleaning-ARW



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Cover the installed booster pump to protect from dust -ARW



General cleaning and arranging the wood bars and plywood -ARW

Warning tape for buried pipes



Ventilation system for working in confined space-ARW

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Rescue equipment for working in confined space-ARW



Safe steel scaffolding for working in 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	63.56%
Actual percentage complete	46.75%
Elapsed Time	94.53%

Table 6.1-ARW-Progress Summary Table

Project Overall Status:

At the beginning of this month, we have been informed that all VFDs arrived to Israel but unfortunately, three out of ten VFDs (1x500HP-SNW well pump, 1x400HP-ARW well pump and 1x300HP-ARW booster pump) have been damaged

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during the transportation from US to Israel. Immediately after arriving SIEMENS and authorized insurance agent and our subcontractor have inspected all VFDs and have concluded that three damaged VFDs cannot be used and have to be remanufactured and that the remaining seven (no visible damage) have to be inspected and retested in SIEMENS factory in US. IRD have discussed this situation with SIEMENS and agreed with them to send all 10 VFDs back to US by Air as soon as possible to minimize potential delays. This was also communicated with the USAID and the Engineer.

On September 22, all 10 VFDs have been transported back by Air to US and by the submission of this progress report; it was confirmed that all 10 VFDs arrived to SIEMENS factory in US. As per SIEMENS plan, delivery of new VFDs shall start in the first half of the next month.

Once the VFDs delivery plan and dates are confirmed IRD will prepare revised ARW well shut down plan.

During this reporting period, and after insuring safety and environmental measures on site, finishing activities of all buildings is almost completed and external walls preparation prior painting is ongoing. Balance Tank (compartment-2) testing is completed successfully and surface preparation is ongoing prior internal epoxy coating. Installation of the Underdrain System (Perforated Pipes) around the Balance Tank is also completed. Retaining walls repair and surface preparation is ongoing and booster pumps header concrete is completed (upper level) where boosters 1, 2 with drivers are also installed and motors of boosters 3, 4 have not been delivered to the site yet. Rig slab is constructed too during this reporting period. Construction of site entrance is started by removal of the existing asphalt along the access road, grading and compacting the subgrade layer.

On the other hand, VO#08 that captures remaining measure VORs is already signed and approved. Remaining submittals and shop drawings. Significant progress has been made in submission of preliminary O&M manuals.

7. Submittal Status

During the current reporting period 105 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 42 submittals for WER, 20 submittals for ARW and 43 submittals for SNW. Review comments were received for 86 of them, 12 submittals are still waiting engineer's response while seven submittals were retracted. Engineer's review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	49
B - Make Corrections Noted	23
C- Amend and Resubmit	12
D- Rejected- Resubmit	1
E- Review Not Required	1

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Submittal Disposition	Total
Retracted submittals	7
Total submittals delivered	105
Total submittals reviewed	86
Submittals delivered not reviewed	12

Table 7.2-WER-Submittal Disposition

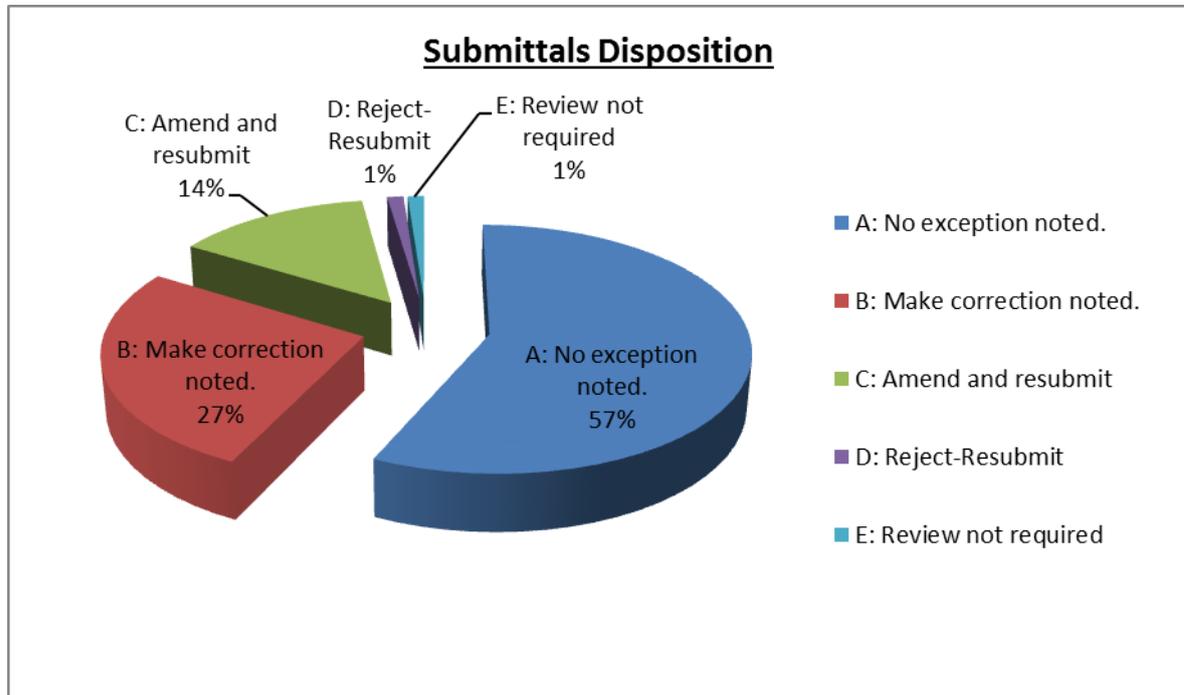


Figure 7.1-WER-Submittals Disposition Analysis

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

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

8.1 The following was achieved during the current reporting period:

- **Balance Tank:**
 - Completed the water tightness test for compartment#2.
 - Completed underdrain piping around the balance tank.
 - Installed the stainless steel piping inside Compartment #1 of the BT.
 - Installed the Mud and Debris Gates inside Compartments #1&2.
 - Applied the Nito-proof coats for foundation of the BT.
- **Buildings:**
 - Completed wall tiling in the Chlorination Building.
 - Completed painting works up to the first coat of emulsion paint for the internal walls of all buildings.

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- Installed the cable ladders inside the electrical trench of the Electrical Metering Building.
- **Boosters Room:**
 - Completed concrete works in the booster pumps area.
 - Installed the galvanized steel angles, beams and the supports of the Aluminum Checker Plates in the booster pumps area.
 - Installed the HDPE Pipes for the booster station underground hub drain system.
 - Installed Booster Pumps #1&2 and drivers.
 - Delivered to the site Motors of Booster Pumps #3&4.
- **Yard Works:**
 - Completed construction of the Rig Pad.
 - Continued surface preparations and repairs to the internal walls of the electrical manholes.
 - Continued pulling ropes and electrical cables between the electrical manholes.
 - Removal of the existing asphalt along the access road, grading and compacting the subgrade layer.
- **Transformer pad:**
 - Working on comments received by the Engineer to close SM#027.
- **Retaining Walls:**
 - Applied the Nito-proof coats for section B-B of the fence wall.

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

- **Balance Tank:**
 - Complete epoxy painting for the internal and external walls of the BT compartments.
- **Buildings:**
 - Complete installation of insulation work on roofs of all buildings.
 - Complete installation of all electrical equipment including all buildings electrical work.
 - Complete internal and external painting for all buildings.

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- Install all AC units, doors, louvers and aluminum windows and kitchen cabinets etc. where it is applicable for all buildings.
- Complete the sewage system of the Living Quarter building.

- **Boosters Room:**
 - Complete installation of the mechanical works including valves, fittings and additional booster pumps.

- **Yard Works:**
 - Complete pulling ropes and electrical cables between the electrical manholes.
 - Complete installation of the fence of the RWs and Fence Walls.
 - Install the Aluminum Checker Plates and the Steel Structure Shed in the booster pumps area.
 - Complete construction of the access road.
 - Complete all yard works including concrete slabs, asphalt and sidewalks.
 - Complete the remaining works for all types of manholes.
 - Install the electrical lighting poles.
 - Install the main entrance gate.
 - Complete installation of the additional 6” steel water supply line for the Balanced Tank Compartments.

- **Retaining Walls:**
 - Complete the remaining surface preparations and repairs to the RWs.

- Continue preparation and submission of remaining submittals, method statements, O&M submittals and shop drawings.

- Coordination with WBWD.

9. Updated Schedule

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

10. Site Memos

During the current reporting period, one Site Memo was issued from the Engineer to the Contractor under WER. For further details, please see Attachment ARW 22.3- Site Memo Log.

11. Inspection Requests

During the current reporting period, 90 Inspection Requests were submitted to the Engineer including resubmitted inspections, 29 inspections for Arraba well, 34 for Sanur well and 27 under TO-18-WER. For further details, please see Attachment ARW 22.5- Inspection Request Log.

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12. Test Reports

Twenty testing reports had been conducted during the current reporting period; eleven for Arraba Well and nine testing reports under WER one of which was retracted. 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)	Retracted	Total No. of Tests Submitted
Concrete	9	0	0	0	9
Substrata	1	0	0	0	1
MVSG	1	0	0	0	1
Control Valves	1	0	0	0	1
RT Test	1	0	0	0	1
Transformer	1	0	0	0	1
Gate Valve	1	0	0	0	1
Dismantling Joint	1	0	0	0	1
Butterfly Valve	1	0	0	0	1
Flow Meter	1	0	0	0	1
Manhole Step	1	0	0	0	1
Total	19	0	0	0	19

Table 12.1- ARW QC Analysis Table

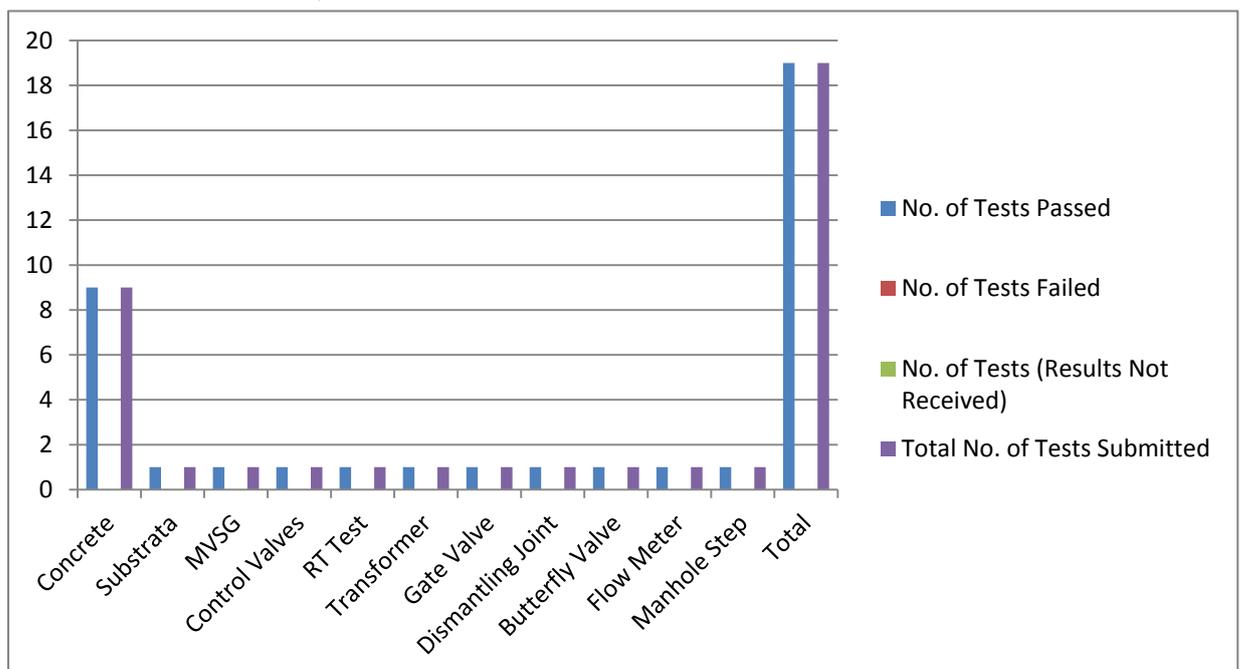


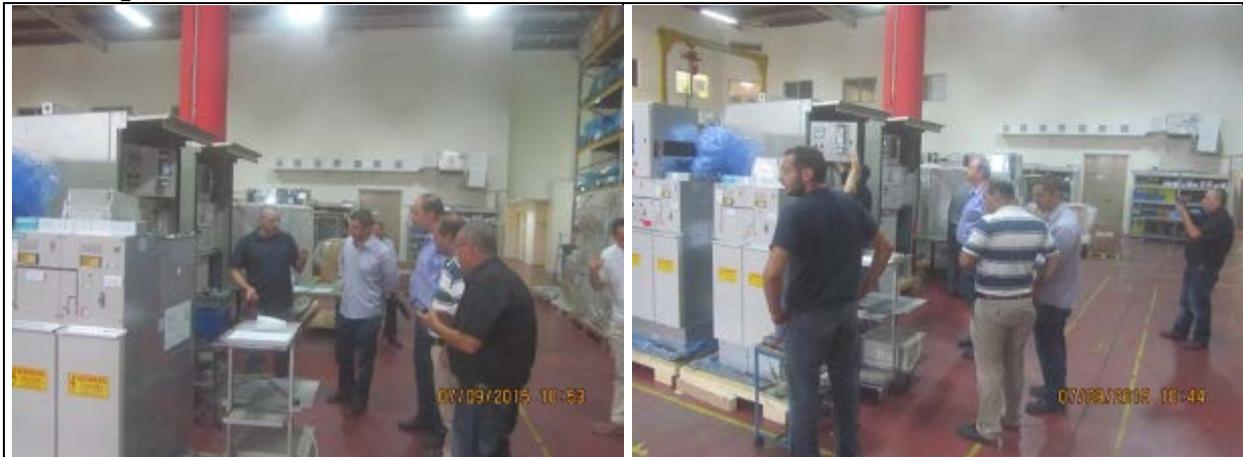
Figure 12.1- ARW QC Analysis Bar Chart

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

QC pictures under WER:



Task Order: Conducting visual inspection, mechanical operating, primary and secondary injection tests for Arraba MV switchgear at SIEMENS factory



Task Order: Conducting factory routine test for Sanur MTS panel- EMCO – Ramallah

QC pictures for Arraba Well:



Arraba well: Collecting two samples from the compacted substrata layer under the Rig Pad for soil confirmation and field density testing

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Arraba well: Collecting two samples of compacting base course first layer under the Rig Slab for field density test



Arraba well: Collecting two samples of compacted base course layer under the Rig Slab



Arraba well: Collecting concrete samples and field test for Booster pump area upper slab

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Arraba well: Collecting concrete samples and field tests (Air content, Shrinkage, temperature and slump) for the Rig Slab and electrical duct bank DBP-17

13. Request for Information

Two RFIs were submitted to the Engineer during the current reporting period. For further information regarding the submitted RFIs, please see Attachment ARW 22.7- Request for Information Log.

14. Summary of Payments and Accrued Expenditures

IRD submitted payment No. 13 under Task Order No. 13-00018 / INP II on September 08, 2015; the payment was reviewed and approved by CMC on September 09, 2015. The corresponding payment amount was received by USAID on September 23, 2015. This payment covers the period from August 01, 2015 to August 31 2015.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
13	Aug.01, 15	Aug.31, 15	24,544.94	1,484,363.17	1,508,908.11	Sep. 08, 15	Sep. 09, 15	Sep. 23, 15

Table 14.1-ARW-Payment Summary

Accrued expenditures for Task Order 13-00018-ARW=
 $\$2,981,563.27 - \$1,508,908.11 = \$1,472,655.16$

15. Variation Orders and Variation Order Requests

One Variation Order Request was submitted to the CMC under WER; VO No. 08 was signed by officially USAID during the reporting period; for more details, please refer to Attachment No. ARW 22.8 Variation Orders and Variation Order Requests Log.

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16. Operation, Maintenance and Training

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

17. Risk Management and Mitigation Measures

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

Risk	Description	Responsible Party	Remedial Measures/Comments
Interruption or damage of underground utilities	The risk appears 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.
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. Toolbox meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.
Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric metering system.	As per design requirements, the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any	IRD-PM	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February, 2014. Since early of June, 2014 until now, the contractor is closely following on this issue and a log summarizing contractor coordination

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Risk	Description	Responsible Party	Remedial Measures/Comments
	delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations, hence, unforeseen problems.		with DCL in this regard is constantly updated and sent to the Engineer and to USAID.
Excavations for underground yard piping duct banks and manholes.	The depth of underground yard piping excavation exceeds 2m and exposure to fall of personnel during work is an existing hazard.	IRD-PM	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Toolbox meetings are conducted regularly.
Delay in procurement of long lead electrical equipment (VFDs).	Procurement of electrical equipment (VFDs) encountered an unexpected delay due to some damages observed on the outside casing of equipment. This occurred during shipping of equipment from the source to destination.	IRD-PM	VFDs have been returned to the manufacturer. Contractor is following closely with the manufacturer to accelerate replacement of equipment in the shortest time.
Installation of booster pumps (1 &2).	The risk may appear during lifting of the booster pump set by the crane and installing it inside the barrel, the set could fall and get damaged or defected.	IRD PM	<ul style="list-style-type: none"> - Using strong chains and properly fastening them to the lifting ears of pumping set. - Lifting and moving the equipment slowly and carefully. - Lowering the set slowly in the barrel, making sure that it is centered and aligned with barrel opening.

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

18. Summary of Working/Non-Working Days

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

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1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	199 CD
3.	Modified Period of Performance	749 Calendar Days
4.	Modified Completion Date	November 10, 2015
5.	No. of Working Days	23 Calendar Days
6.	Accumulated Working Days	620 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	7 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	93 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

19. Project Indicators

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

Target Value for Project 1:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	120 cubic meter per hour = 2,880 m ³ per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,793)	$(4,252,438)\text{m}^3/365 \text{ day}/(269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L/Capita/Day}$
No. of Beneficiaries	$2,880/0.043 = 66,977 \text{ capita}$

Table 19.1-ARW-Target Value for Project 1

19.2 Indicator #2: Person days of Employment Generated

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

- Estimated Target Value: 22,485.50 person days;
- Employment generated previously: 13,133 person days;
- Employment generated this month: 624 person days;
- Total cumulative employment generated to-date: 13,757 person days (12,717 males and 1,040 females).

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

During shipping of the VFDs from source, some of the VFD's were damaged during transportation (external shell). The manufacturer insisted to return all of them to US for

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testing. Since then, the contractor is following closely with the manufacturer in this regard, and constantly updating the Engineer on the situation and status of the returned VFDs.

21. Construction Photos

	
<p>Photo Date- 1st of September, 2015: Start and finish leveling and compaction for the substrata under the Rig Pad.</p>	<p>Photo Date- 1st of September, 2015: Continue tiling work for walls and sump pits in the Chlorination building.</p>
	
<p>Photo Date- 2nd of September, 2015: Finish wall tiling in the bathroom of the Living Quarter building.</p>	<p>Photo Date- 2nd of September, 2015: Start spreading and leveling of subgrade layer under the Rig Pad.</p>
	

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Photo Date- 3rd of September, 2015: Continue surface preparation and repairs for Retaining Wall.



Photo Date- 3rd of September, 2015: Finish spreading, leveling and compaction of subgrade layer under the Rig Pad.



Photo Date- 5th of September, 2015: Start preparation to install the confined space requirements for Balance Tank compartment (1), prior starting epoxy painting.



Photo Date- 5th of September, 2015: Start breaking part of concrete of the existing old Chlorination building foundation, in order to construct electrical duct banks DBS-6 and DBP-20.



Photo Date- 6th of September, 2015: Start formwork for Booster pump area-Upper slab.



Photo Date- 6th of September, 2015: Start and finish spreading, leveling and compaction of base course layer under the rig slab.



Photo Date- 7th of September, 2015: Finish

Photo Date- 7th of September, 2015: Start and

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<p>formwork for Booster pump area upper slab.</p>	<p>finish formwork, steel reinforcement and casting concrete encasement for the exiting steel pipes running through the proposed rig slab.</p>
	
<p>Photo Date- 8th of September, 2015: Start steel reinforcement for Booster pump area upper slab.</p>	<p>Photo Date- 8th of September, 2015: Continue surface repair and preparation for concrete of the Retaining Wall.</p>
	
<p>Photo Date- 8th of September, 2015: Start and finish installation of the steel doors for Electrical Control building.</p>	<p>Photo Date- 9th of September, 2015: Finish steel reinforcement for Booster pump area upper slab.</p>
	
<p>Photo Date- 9th of September, 2015: Continue concrete repair by injection for Balance Tank</p>	<p>Photo Date- 10th of September, 2015: Start and finish casting concrete for Booster pump area</p>

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<p>walls compartment (2) with presence of Omari Group representative.</p>	<p>upper slab.</p>
	
<p>Photo Date- 10th of September, 2015: Start formwork for the Rig slab.</p>	<p>Photo Date- 10th of September, 2015: Start laying the HDPE pipe sanitary line for the Living Quarter building.</p>
	
<p>Photo Date- 12th of September, 2015: Start and finish installation and laying the polyethylene sheets beneath the Rig slab.</p>	<p>Photo Date- 12th of September, 2015: Start of repair the cracks in plastering of the walls and ceilings for the Electrical Control and the Electrical Metering buildings.</p>
	
<p>Photo Date- 13th of September, 2015: Continue site leveling and disposing the surplus material to the approved damping area.</p>	<p>Photo Date- 13th of September, 2015: Finish excavation and installation of 4" PVC pipes for the temporary duct bank for power utility.</p>

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Photo Date- 13th of September, 2015: Start removing the single size aggregate and cleaning along foundation of Balance Tank compartment #2 prior to start insulation activity.



Photo Date- 14th of September, 2015: Start steel reinforcement work for the Rig slab.



Photo Date- 14th of September, 2015: Start and finish applying first coat of Nito-Proof insulation for foundation of the Balance Tank.



Photo Date- 15th of September, 2015: Start of leakage test for Balance Tank compartment #2.



Photo Date- 15th of September, 2015: Start and finish applying the first coat of Emulsion Paint to the ceilings of the Living Quarter, Electrical Metering and Chlorination Buildings.



Photo Date- 15th of September, 2015: Continue steel reinforcement work for the Rig slab.

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Photo Date- 16th of September, 2015: Finish steel reinforcement work for the Rig slab.



Photo Date- 16th of September, 2015: Start applying the coat of Soft Bond to walls of the Living Quarter and Electrical Metering Buildings.



Photo Date- 16th of September, 2015: Start and finish installation of the Stainless Steel piping (Inlet and over flow) inside Balance Tank Compartment #1.



Photo Date- 17th of September, 2015: Continue of leakage test for Balance Tank compartment #2.



Photo Date- 17th of September, 2015: Start and finish installation of the underdrain system around the Balance Tank.



Photo Date- 19th of September, 2015: Start and finish casting concrete for the Rig Slab.

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Photo Date- 19th of September, 2015: Start applying the second coat of Soft Bond (Putty) to walls of the Living Quarter and Electrical Metering Buildings.



Photo Date- 20th of September, 2015: Continue of leakage test for Balance Tank compartment #2.



Photo Date- 20th of September, 2015: Start curing concrete for the Rig Slab.



Photo Date- 20th of September, 2015: Start surface preparation and repairs to walls and corners of the transformer Pad.



Photo Date- 21st of September, 2015: Start and finish installation of Booster Pumps (1&2) with presence of the manufacturer representative.



Photo Date- 21st of September, 2015: Start installation and pulling electrical cables between manholes and Electrical Control Building.

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Photo Date- 21st of September, 2015: Finish backfilling over Arraba-Sanur pipeline.



Photo Date- 22nd of September, 2015: Start and finish applying soft bond coat for internal walls of Electrical Control building.



Photo Date- 22nd of September, 2015: Continue installation and pulling electrical cables between manholes and Electrical Control Building.



Photo Date- 27th of September, 2015: Continue of leakage test for Balance Tank compartment #2.



Photo Date- 27th of September, 2015: Start and finish applying second coat of soft bond coat for internal walls of Electrical Control building.



Photo Date- 28th of September, 2015: Start and finish scraping to the second coat of Soft Bond for the internal walls of Electrical Control building.

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Photo Date- 29th of September, 2015: Start applying first coat of Emulsion paint to walls of the Living Quarter, Electrical Control and Electrical Metering buildings.



Photo Date- 29th of September, 2015: Start and finish installation of the galvanized angles of the Aluminum Checker Plates in the booster pumps area.



Photo Date- 29th of September, 2015: Continue installation of 2X2" PVC pipes for potable water and circulation water of the Living Quarter building.



Photo Date- 30th of September, 2015: Surface preparation of the final coat of plastering for the external walls of all buildings.



Photo Date- 30th of September, 2015: Start and finish installation of the steel frames of the Aluminum Checker Plates in the booster pumps area (angles, beams & supports).



Photo Date- 30th of September, 2015: Start and finish installation of the Mud and Debris gates for the Balance Tank compartment 1&2.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

September 01 - September 30, 2015

PROJECT 2-SANUR WELL PUMP STATION-SNW

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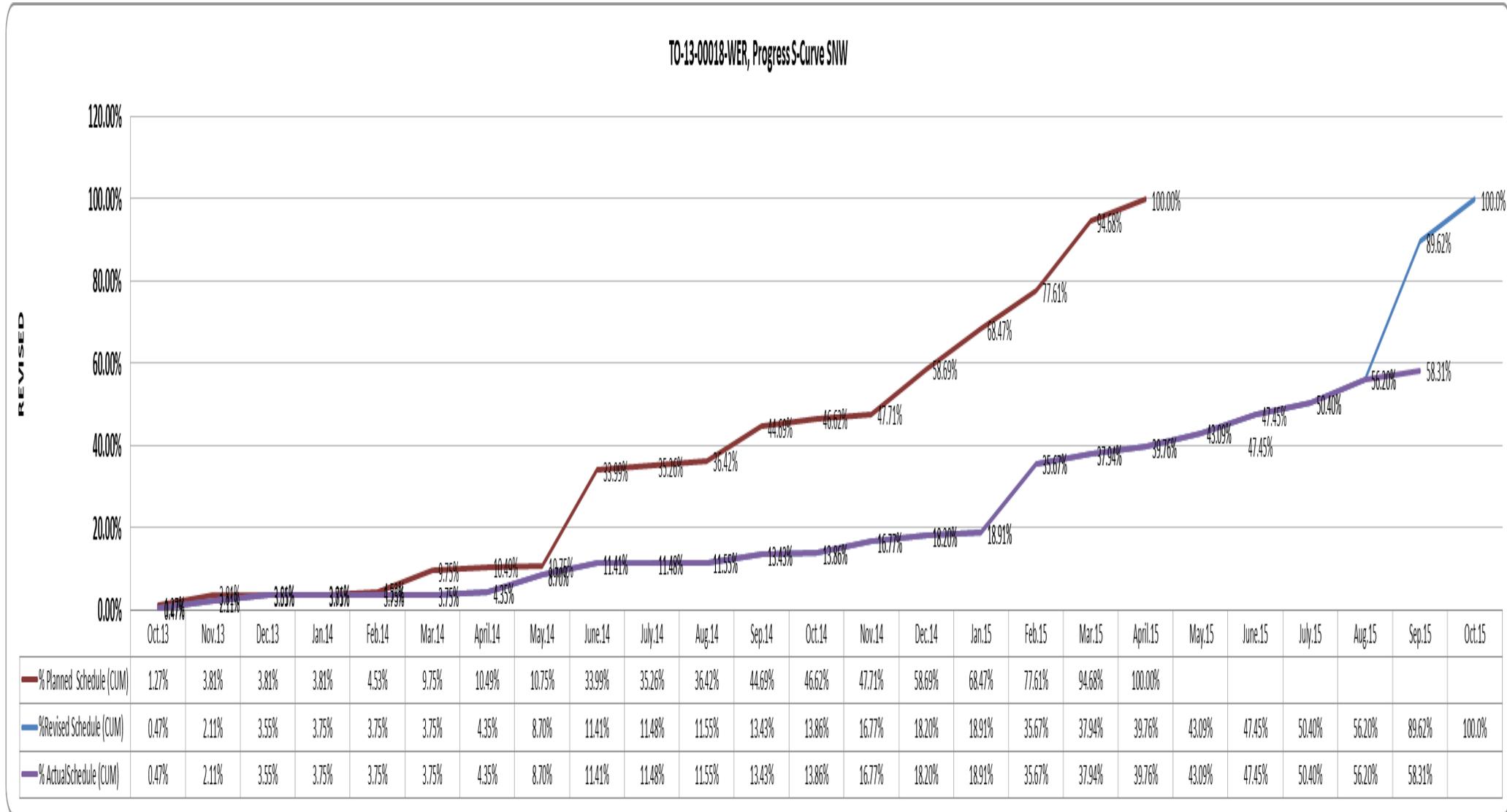
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1. Sanur Well (SNW) Dashboard Status



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2. Public Relation and Outreach

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

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

3. Safety and Environmental Status

The Safety Plan and the Environmental Monitoring and Mitigation plan were approved by the CMC. Moreover, the Engineer's site office was furnished with the first aid kit and the two fire extinguishers (one carbon and one CO₂).

Traffic Management:

Traffic plan for SNW project had been submitted and approved.

Safety Meeting:

Safety meetings were conducted with IRD Subcontractor to improve the existing safety program and to create increased awareness of the Subcontractor's responsibilities for the health and safety of their workers (unless there are no activities onsite during the current reporting period).

- Sanur Well: Three toolbox meetings were conducted during the month of September 2015.

Environmental Status

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

Accident Status:

During the current reporting period (0) accident occurred.

The accident statistics for the month of September 2015 can be summarized as follows:

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

Notice of Unsafe Condition:

No NUCs were issued during the reporting period.

Safety Violation Notice

During the current reporting period (0) accident occurred

Safety Conclusion:

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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 tool box meeting-SNW



Safety tool box meeting-SNW



Face protection while welding-SNW



Concrete barrier around excavated area



Pipes chlorination-SNW

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Special clothes while disinfect the balance tank.-SNW



Eye, and hand protection while welding-SNW



Plastic sheet with sand over the rig slap in case of rig oil leakage -SNW



Single size over the exposed cable-SNW

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General cleaning and housekeeping-SNW



Flagman to control equipment movement -SNW



Spraying water over the dusty areas-SNW

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Hand protection required while installing the curb stone-SNW



PPE's available for visitors-SNW

4. Security Coordination

N/A

5. Material or Equipment Delivered to Site

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

6. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	89.62%
Actual percentage complete	58.31%
Elapsed Time	96.72%

Table 6.1-SNW-Progress Summary Table

Project Overall Status:

Same as for ARW Project, at the beginning of this month, we have been informed that all VFDs arrived to Israel but unfortunately, three out of ten VFDs (1x500HP-SNW well pump, 1x400HP-ARW well pump and 1x300HP-ARW booster pump) have been damaged during the transportation from US to Israel. Immediately after arriving SIEMENS and authorized insurance agent and our subcontractor have inspected all VFDs and have concluded that three damaged VFDs cannot be used and have to be remanufactured and that the remaining seven (no visible damage) have to be inspected and retested in SIEMENS factory in US. IRD have discussed this situation with SIEMENS and agreed with them to send all 10 VFDs back to US by Air as soon as possible to minimize potential delays. This was also communicated with the USAID and the Engineer.

On September 22, all 10 VFDs have been transported back by Air to US and by the submission of this progress report; it was confirmed that all 10 VFDs arrived to SIEMENS factory in US. As per SIEMENS plan, delivery of new VFDs shall start in the first half of the next month.

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One the VFDs delivery plan and dates are confirmed IRD will prepare revised ARW well shut down plan.

During this reporting period, temporary pumping to communities is still ongoing. As for construction activities, finishing works for all buildings including corrective actions as per received SMs from the Engineer is ongoing. Surface proration and finish works of all Fence Wall and RW from internal side is completed too. Installation of all isolation valves, dressers, booster control valves and installation of all BT piping system and connecting them to yard piping is done.

MCC, SG, MTS, Charger, and PLC panels were all delivered to the site. Power and control cables arrangements throughout the cable ladders and installation and wiring of control boards is ongoing including installation of all lights fixtures and external lights. Installation of all AC indoor units and fans for chlorination building and Electrical Metering building is completed also installation of all doors for buildings is also completed. Installation of both sliding gate and swing gate is also done. Preparation of site entrance and installation of culvert piping and backfilling is also finished during this reporting period.

Moreover, VO#08 that captures remaining measure VORs is already approved and signed. Remaining submittals and shop drawings and relevant specific method statements for major activities are constantly prepared. Submission of preliminary O&M manuals is also ongoing.

Remaining submittals, shop drawings, and relevant specific method statements for major activities and preliminary O&M manuals are constantly prepared and submitted.

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

7. Submittal Status

During the current reporting period 105 submittals, including resubmittals were delivered for both Arraba and Sanur wells as follows: 42 submittals for WER, 20 submittals for ARW and 43 submittals for SNW. Review comments were received for 86 of them, 12 submittals are still waiting engineer’s response while seven submittals were retracted. Engineer’s review time for reviewed submittals ranged from one to 10 days. The following table and graph provide a summary of the submittals disposition status:

Submittal Disposition	Total
A – No Exceptions Noted	49
B - Make Corrections Noted	23
C- Amend and Resubmit	12
D- Rejected- Resubmit	1

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Submittal Disposition	Total
E- Review Not Required	1
Retracted submittals	7
Total submittals delivered	105
Total submittals reviewed	86
Submittals delivered not reviewed	12

Table 7.2-WER-Submittal Disposition

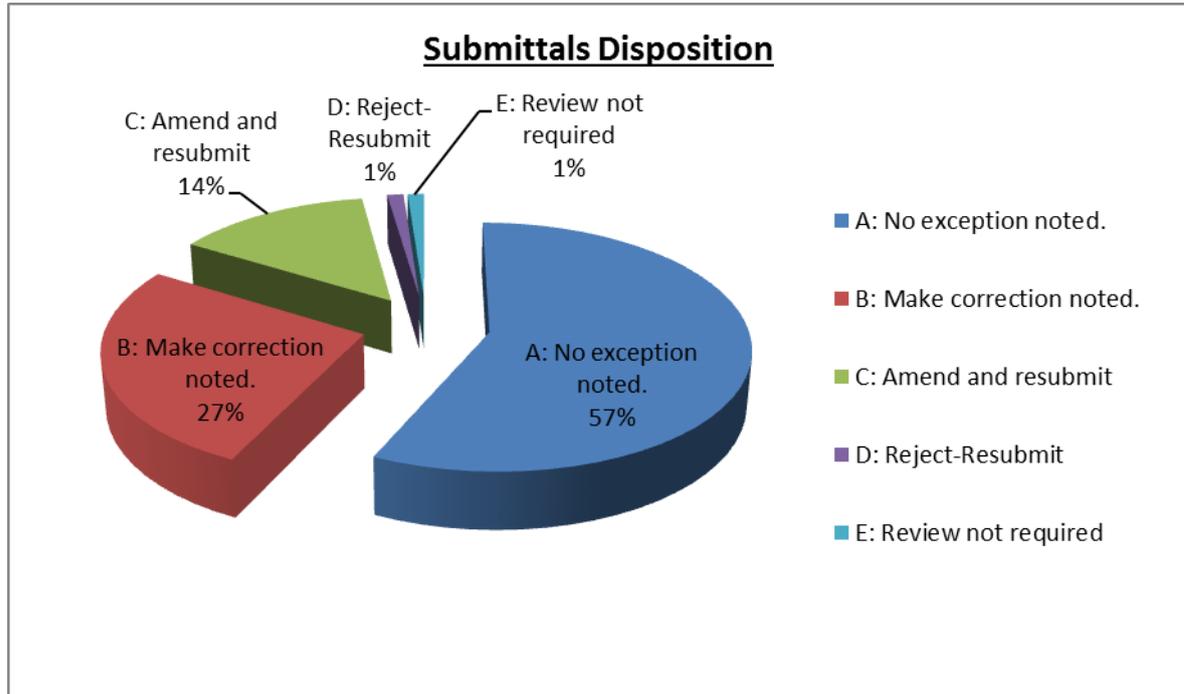


Figure 7.1-WER-Submittals Disposition Analysis

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

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

8.1 The following was achieved during the current reporting period:

- **For the Balance Tank:**
 - Installation of all Balance Tank piping system and connecting them to yard piping.
 - Preparations for external painting started.
- **Buildings:**
 - Installation of all internal lights, fixtures and external lights.
 - Installation of all AC indoor units and fans for chlorination building and Electrical Metering building.
 - Completed installation of all doors for buildings.
 - Power and control cables arrangements throughout the cable ladders.

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- **Boosters Room:**
 - Installation of all isolation valves, dressers, booster control valves.
- **Yard Works:**
 - Installation of both sliding gate and swing gate.
 - Preparation of site entrance and installation of culvert piping and backfilling.
 - Re-Installation of Curbstone and sidewalk re-construction around some buildings started.
- **Transformer Pad:**
 - Surface preparation and finish works of the transformer pad.
- **Retaining Wall:**
 - Surface proration and finish works of all Fence Wall and RW from internal side.

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

- **For the Balance Tank:**
 - Complete the external painting of the Balance Tank.
- **Buildings:**
 - Complete external painting of all buildings.
 - Complete electrical and control works.
 - Install all outdoor AC units.
 - Complete the cables connection and termination of the MCC, PLC, MTS, SG, and transformer.
 - Installation of remaining electrical boards and panels (VFDs if received soon).
 - Complete installation of all chlorination equipment inside the chlorination building.
 - Installation of all PLC, instrumentation and control works
 - Installation of all aluminum windows.
 - Complete the installation of grating covers of the electrical trenches and the transformer pad.
 - Complete the installation of all roof potable water tanks.
 - Complete solar system installation on the roof of the LQ building.
 - Install and fix all kitchen equipment and furniture inside the LQ building.
- **Yard Area:**
 - Complete the area concrete pavement and complete re-construction of sidewalks.
 - Supply and install pad mounted transformer.

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- Complete installation of the structural steel shed.
- Complete the installation of grating covers of the electrical trenches and the transformer pad.

- **Retaining Wall:**

- Installation of fence all around the project.

- **Well Head:**

- Well shutdown and remove existing well pump.
- Construct well head and valves pad.
- Start Installation of new VTLP.

- Start preparation of final O&M and As Built drawings.
- Coordination with WBWD.

9. Updated Schedule

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

10. Site Memos

During the current reporting period, six Site Memos were issued from the Engineer to the Contractor under SNW and one under WER. For further details, please see Attachment SNW 22.3- Site Memo Log.

11. Inspection Requests

During the current reporting period, 90 Inspection Requests were submitted to the Engineer including resubmitted inspections, 29 inspections for Arraba well, 34 for Sanur well and 27 under TO-18-WER. For further details, please see Attachment SNW 22.5- Inspection Request Log.

12. Test Reports

Thirty-two testing reports had been conducted during the current reporting period; twenty-three for Sanur Well and nine under WER, two tests were retracted. Twenty-eight tests passed according to the testing lab and conformed to QC specifications and two concrete tests failed and were resubmitted. 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 Submitted
MTS	1	0	0	1
Subgrade	3	0	0	3
Base Course	1	0	0	1
Concrete	13	2	0	15
Concrete Curbs	1	0	0	1

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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 Submitted
Visual Inspection Report of Welded Joints	1	0	0	1
Control Valves	1	0	0	1
RT Test	1	0	0	1
Transformer	1	0	0	1
Gate Valve	1	0	0	1
Dismantling Joint	1	0	0	1
Butterfly Valve	1	0	0	1
Flow Meter	1	0	0	1
Manhole Step	1	0	0	1
Total	28	2	0	30

Table 12.1- SNW QC Analysis Table

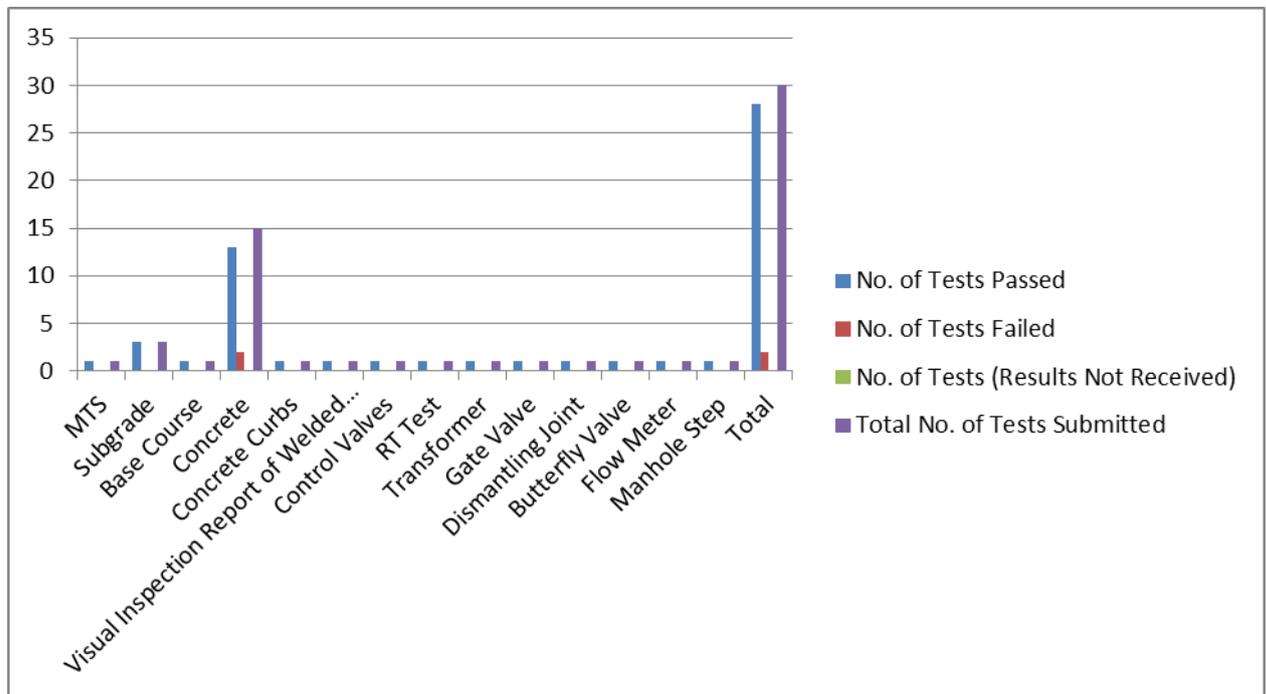


Figure 12.1-SNW QC Analysis Bar Chart

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

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QC pictures for Sanur Well:



Sanur well: Conducting RT testing for 22 welding steel joints



Sanur well: Collecting concrete samples and field tests for the downstream culvert wings slab on grade/ foundation



Sanur well: Conducting field insulation test 5KV for MV Switchgear cable

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Sanur well: Collecting two samples of compacting base course from the site entrance

13. Request for Information

Two RFIs were submitted to the Engineer during the current reporting period. For further information regarding the submitted RFIs, please see Attachment SNW 22.7-Request for Information Log.

14. Summary of Payments and Accrued Expenditures

IRD submitted payment No. 13 under Task Order No. 13-00018 / INP II on September 08, 2015; the payment was reviewed and approved by CMC on September 09, 2015. The corresponding payment amount was received by USAID on September 23, 2015. This payment covers the period from August 01, 2015 to August 31 2015.

Payment No.	Period of Performance Quantity		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Period From	Period To						
13	Aug.01, 15	Aug.31, 15	1,388,758.36	1,561,028.03	2,949,786.39	Sep. 08, 15	Sep. 09, 15	Sep. 23, 15

Table 14.1-SNW-Payment Summary

Accrued expenditures for Task Order 13-00018-SNW=
 $\$4,165,382.41 - \$2,949,786.39 = \$1,215,596.02$

15. Variation Orders and Variation Order Requests

One Variation Order Request was submitted to the CMC under WER; VO No. 08 was signed by officially USAID during the reporting period; for more details, please refer to Attachment No. SNW 22.8 Variation Orders and Variation Order Requests Log.

16. Operation, Maintenance and Training

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

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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 appears during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	IRD-PM	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The underground power cable was exposed then protected properly. Piping system -in all times- will be avoided during excavations and necessary repair will immediately be performed if any pipe is incidentally broken.
Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction.	IRD-PM	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.
Falls and Equipment	These hazards include exposure to falls, falling loads, and mobile equipment.	IRD-PM	Keep materials or equipment that might fall or roll into an excavation at least 2 feet from the edge of excavations, or have retaining devices, or both. Provide warning systems such as mobile equipment, barricades. To avoid being struck by any spillage or falling materials, require employees to stand away from vehicles being loaded or unloaded.
Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric	As per design requirements, the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any delay in upgrading the existing power supply will	IRD-PM	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February 2014. Since early of June 2014 until now, the contractor is closely following on this issue and a log

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Risk	Description	Responsible Party	Remedial Measures/Comments
metering system.	affect the entire project and will expose new electrical equipment to power fluctuations, hence, unforeseen problems.		summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.
Delay in procurement of long lead electrical equipment (VFDs).	Procurement of electrical equipment (VFDs) encountered an unexpected delay due to some damages observed on the outside casing of equipment. This occurred during shipping of equipment from the source to destination.	IRD-PM	VFDs have been returned to the manufacturer. Contractor is following closely with the manufacturer to accelerate replacement of equipment in the shortest time.

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

18. Summary of Working/Non-Working Days

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

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	182 CD
3.	Modified Period of Performance	732 Calendar Days
4.	Modified Completion Date	October 24, 2015
5.	No. of Working Days	26 Calendar Days
6.	Accumulated Working Days	616 Calendar Days
7.	Total No. of non-working days (Holidays and weekends)	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	88 Calendar Days
9.	No. of other non-working days during this month	0 Calendar Days
10.	Accumulated other non-working days	4 Calendar Days

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

19. Project Indicators

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

Target Value for Project 2:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	150 cubic meter per hour = 3,600 m ³ per day
The average consumption rate of Palestinians (per capita) for Jenin Governorate (Calculation based on the Palestinian water authority, the	$(4,252,438)m^3/365 \text{ day} / (269,793 \text{ capita}) = 0.043 \text{ m}^3/\text{capita} / \text{day} = 43 \text{ L/Capita/Day}$

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total quantity of water delivered to Jenin Governorate is 4,252,438 for 2011 and no. of population of 269,7937)	
No. of Beneficiaries	3,600/0.043 = 83,721 capita

Table 19.1-SNW-Target Value for Project 2

19.2 Indicator #2: Person days of Employment Generated

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

- Estimated Target Value: 20,208.50 person days;
- Employment generated previously: 12,089 person days;
- Employment generated this month: 725 person days;
- Total cumulative employment generated to-date: 12,814 person days (11,780 males and 1,034 females).

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

During shipping of the VFDs from source, some of the VFD's were damaged during transportation (external shell). The manufacturer insisted to return all of them to US for testing. Since then, the contractor is following closely with the manufacturer in this regard, and constantly updating the Engineer on the situation and status of the returned VFDs.

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21. Construction Photos



Photo Date- 1st of September, 2015: Continue excavation of the main entrance culvert.



Photo Date- 1st of September, 2015: Start spreading, leveling and compaction of base course layer and backfill in the corner area between main and secondary gates.



Photo Date- 2nd of September, 2015: Start and finish spreading, leveling and compaction of single size layer under the pipe culvert.



Photo Date- 2nd of September, 2015: Start trench excavation, leveling, compaction and installation of 6" duct bank for temporary power.



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Photo Date- 2nd of September, 2015: Start and finish formwork, steel reinforcement and concrete casting of the small boundary wall foundation for the ramp entrance.



Photo Date- 3rd of September, 2015: Start and finish installation works and spreading single size around pipe culvert.

Photo Date- 3rd of September, 2015: Start formwork and steel reinforcement for the Ramp entrance wall.



Photo Date- 4th of September, 2015: Continue spreading, leveling and compaction base course over the pipe culvert.

Photo Date- 5th of September, 2015: Start and finish casting concrete for the Ramp entrance wall.



Photo Date- 5th of September, 2015: Start and finish casting concrete for the electrical 6" duct bank for temporary power.

Photo Date- 5th of September, 2015: Start installation of lighting fixture inside the Electrical Control and Electrical Metering buildings.

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Photo Date- 5th of September, 2015: Start and finish installation of Electrical Floating switches for Balance Tank.



Photo Date- 6th of September, 2015: Start spreading, leveling and compaction of temporary base course layers for the Ramp entrance.



Photo Date- 6th of September, 2015: Start and finish installation of stainless steel (gratings) for Balance Tank pits.



Photo Date- 6th of September, 2015: Continue welding and installation of steel pipes and fittings for Balance Tank outlet and Booster suction header.



Photo Date- 7th of September, 2015: Start installation of gate valves in the Booster suction header.



Photo Date- 7th of September, 2015: Continue spreading, leveling and compaction of temporary base course layers for the Ramp entrance.

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Photo Date- 7th of September, 2015: Continue installation of lighting fixture inside the Electrical Control and Electrical Metering buildings.



Photo Date- 8th of September, 2015: Continue installation of gate valves in the Booster suction header.



Photo Date- 8th of September, 2015: Continue installation of AC indoor units for the Electrical Control building.



Photo Date- 8th of September, 2015: Finish spreading, leveling and compaction base course layers for the Ramp entrance.



Photo Date- 9th of September, 2015: Finish excavation and single size works for the foundation, and wing walls of the culvert downstream.



Photo Date- 9th of September, 2015: Continue installation of gate valves in the Booster suction header.

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Photo Date- 9th of September, 2015: Continue surface preparation and start prime paint SN 522 of the external plastering of the buildings.



Photo Date- 10th of September, 2015: Continue installation of gate valves in the Booster suction header.



Photo Date- 10th of September, 2015: Continue surface preparation and prime paint SN 522 of the external plastering of the buildings.



Photo Date- 12th of September, 2015: Start installation and rearrangement of cables in the cable ladder in the Electrical Control building.



Photo Date- 12th of September, 2015: Continue installation of gate valves in the Booster suction header.



Photo Date- 13th of September, 2015: Continue installation of gate valves in the Booster suction header and flow meters.

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Photo Date- 13th of September, 2015: Continue installation and rearrangement of cables on the cable ladder in the Electrical Control building.



Photo Date- 14th of September, 2015: Start and finish casting concrete of the downstream culvert wings slab on grade/ foundation.



Photo Date- 14th of September, 2015: Continue installation and rearrangement of cables on the cable ladder in the Electrical Control building and start cable connection to the booster pumps.



Photo Date- 15th of September, 2015: Continue installation and rearrangement of cables on the cable ladder in the Electrical Control building.



Photo Date- 15th of September, 2015: Continue installation of valves and dressers for the Balance Tank piping system

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Photo Date- 16th of September, 2015: Continue installation and rearrangement of cables on the cable ladder in the Electrical Control building.



Photo Date- 16th of September, 2015: Continue working on fabrication and installation of the swing gate (secondary gate).



Photo Date- 17th of September, 2015: Continue installation and rearrangement of cables on the cable ladder in the Electrical Control building.



Photo Date- 17th of September, 2015: Finish working on fabrication and installation of the swing gate (secondary gate).



Photo Date- 17th of September, 2015: Start and finish installation of MV cable between Switchgear and Transformer pad.



Photo Date- 18th of September, 2015: Continue surface preparation and cleaning of the Retaining Wall and Fence Wall.

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Photo Date- 19th of September, 2015: Continue installation of valves and dressers for the Balance Tank piping system.



Photo Date- 19th of September, 2015: Continue roof parapet coping cleaning and pointing.



Photo Date- 20th of September, 2015: Start bolts fixing and tying of all valves and dressers installed.



Photo Date- 21st of September, 2015: Continue bolts fixing and tying of all valves and dressers installed.



Photo Date- 21st of September, 2015: Start installation of Aluminum checker plate.

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Photo Date- 22nd of September, 2015: Start and finish demolish soil erosion concrete and sidewalk in front of Living Quarter and Chlorination buildings.



Photo Date- 27th of September, 2015: Start connection of electrical wires and cables for booster pumps control and instrumentation equipment (flow switches, RTDs and heaters).



Photo Date- 27th of September, 2015: Start installation of electrical panel for the Living Quarter building.



Photo Date- 28th of September, 2015: Start installation of the curbstone in front of the Living Quarter and Chlorination buildings.



Photo Date- 28th of September, 2015: Continue installation of electrical panel for Living Quarter building.



Photo Date- 28th of September, 2015: Start installation of the Medium Voltage Switchgear.

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Photo Date- 29th of September, 2015: Start surface preparation and finishing works for the external walls of the Balance Tank.



Photo Date- 29th of September, 2015: Start and finish fabrication and welding of the galvanized steel profiles across the electrical trench of Switchgear and PLC.



Photo Date- 29th of September, 2015: Start installation and connection of power cables for booster pumps motors.



Photo Date- 30th of September, 2015: Continue installation of electrical panel for Living Quarter building.

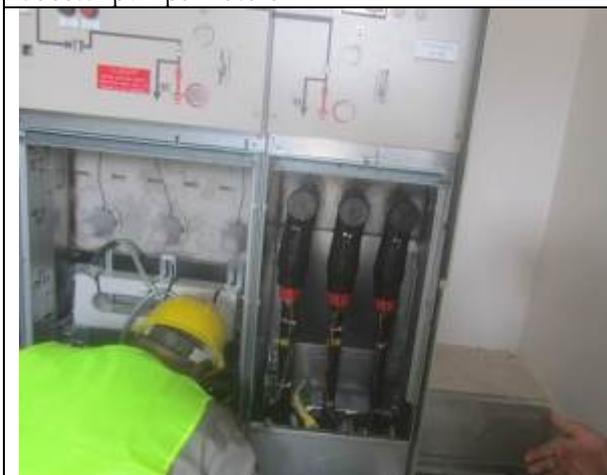


Photo Date- 30th of September, 2015: Continue installation and cable termination for MV Switchgear.



Photo Date- 30th of September, 2015: Start and finish installation of MCC and PLC panels.

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Photo Date- 30th of September, 2015: Continue clearing site, compaction and preparation to start the Reinforced concrete pavement works.



Photo Date- 30th of September, 2015: Working on roof insulation comments for all buildings.

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CONSTRUCTION MONTHLY PROGRESS REPORT

Reporting Period:

September 01 - September 30, 2015

PROJECT 3-SAADEH WELL REHABILITATION-SDW

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1. Progress and Scheduling

The following table provides a summary of the project progress status

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

Table 2.1-SDW-Progress Summary Table

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

2. Project Indicators

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

Target Value for Project 3:

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

Table 2.1-SDW-Target Value for Project 3

2.2 Indicator #2: Person days of Employment Generated

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

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

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USAID
FROM THE AMERICAN PEOPLE

WEST BANK/GAZA

CONSTRUCTION MONTHLY PROGRESS REPORT-ATTACHMENTS

Reporting Period: September 01 - September
30, 2015

WELLS REHABILITATION PROJECT-WER

October 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:

September 01 - September 30,
2015

PROJECT I-ARABA WELL PUMP STATION-ARW

Attachments

1. Attachments

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

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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 Look Ahead

01-Oct-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q					
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS																						
Milestones																						
Submittals																						
Construction Submittals																						
Material Submittals																						
Civil																						
Building Works																						
CS780	Prep.&Submit Flush Wood Doors - Sample	7	01-Oct-15	01-Oct-15	21-Jan-15		-22															
Mechanical																						
Local Manufacturer																						
CS689	Approval of Kltchen Equipment - Product Data	0		01-Oct-15			11															
CS787	Prep.&Submit Vibration Isolator for Equipments (Vibration Material for Concrete Base)	5	01-Oct-15	01-Oct-15	01-Jul-15		-21															
Abroad Manufacturer (Long Lead Items)																						
CS557	Prep.&Submit Special Tools As Per Specs	10	01-Oct-15	01-Oct-15	20-Jul-15		-21															
Electrical																						
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)																						
CS1375	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates (Remaining Items)	5	01-Oct-15	01-Oct-15	15-Jul-15		-21															
CS1395	Prep.&Submit Spare Parts and Extra Material Based on Sec 17100	1	01-Oct-15	01-Oct-15	01-Aug-15		-20															
Local Manufacturer																						
CS1255	Approval of Lightning Protection System - Product Data	0		01-Oct-15			-3															
Methods Statement & Work Plans																						
Civil																						
CS1402	Approval of Control Valves Manufacturer's Services,Inspection,Start Up&Training	0		20-Oct-15			-9															
Electrical																						
CS738	Prep.&Submit Short Circuit Study Final	7	01-Oct-15	05-Oct-15	15-Aug-15		-12															
Procurement																						
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well																						
Material Order, Manufacture & Delivery																						
Electrical Equipment																						
P1-PRO1560	Instrumentation Equipment	75	01-Oct-15	02-Oct-15	18-Dec-14		-12															
P1-PRO1570	Motor Control Center - MCC & Vertical Electrical Motor	74	01-Oct-15	04-Oct-15	01-Mar-15		-3															
P1-PRO1580	Variable Frequency Drive (VFD)&Spare Parts	82	01-Oct-15	17-Oct-15	02-Feb-15		-19															
P1-PRO1600	Transformers (33kv/400 V, 1500 KVA)	120	01-Oct-15	12-Oct-15	02-Apr-15		3															
P1-PRO1610	Electrical Panels	60	01-Oct-15	06-Oct-15	01-Jun-15		9															
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well																						
Material Order, Manufacture & Delivery																						
Electrical Equipment																						
P2-PRO440	Variable Frequency Drive (VFD)&Spare Parts	82	01-Oct-15	17-Oct-15	02-Feb-15		-34															
P2-PRO460	Transformers (33kv/400 V, 1500 KVA)	120	01-Oct-15	12-Oct-15	02-Apr-15		-7															
P2-PRO470	Electrical Panels	60	01-Oct-15	06-Oct-15	01-Jun-15		-8															
P2-PRO500	Instrumentation Equipment	75	01-Oct-15	02-Oct-15	18-Dec-14		-10															
Steel Pipes,Fittings& Valves																						
Material Order & Manufacture																						
Valves																						
PRO200	2nd Order & Manufacture of Valves (IL)	81	01-Oct-15	02-Oct-15	04-Dec-14		58															
Material Delivery																						
Valves																						
PRO220	Delivery of 2nd Order of Valves	12	01-Oct-15	01-Oct-15	15-Dec-14		59															
Arrabah Additional Booster Pumps and VFD VO6																						
PRO240	Order, Manufacture, & Delivery of VFDs	156	01-Oct-15	24-Oct-15	12-May-15		-10															

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



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

ARW 22.2 “S” Curve

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.57
Revised Total Contract Value Less Day Work VOB:	\$6,321,524.84
Revised Total Contract Value Less Day Work VOB:	\$6,321,524.84
Revised Total Contract Value Less Day Work VOB:	\$6,377,588.16
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	550 CD
Revised Contract Duration VOB:	577 CD
Revised Contract Duration VOB:	549 CD
Completion Date:	25-Apr-15
Revised Completion Date VOB:	22-May-15
Revised Completion Date VOB:	10-Nov-15
Data Date:	1-Sep-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.90
Original Total Contract Value without Day Work for Project 2 (Sanur)	\$7,011,251.90
Revised Total Contract Value Less Day Work as per VO #4:	\$7,187,188.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,623.84
Revised Total Contract Value Less Day Work as per VO #6:	\$7,144,945.96
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
Revised Duration of Contract as per VO #6:	603 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732CD
Revised Completion Date as per VO #8:	28-Oct-15
Data Date:	1-Sep-15

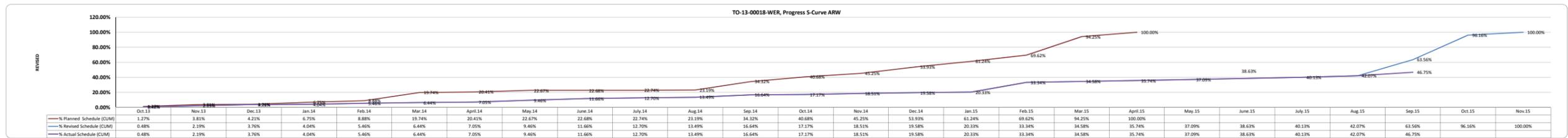
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,635.00
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:	15-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	11-Mar-14
Data Date:	12-May-15

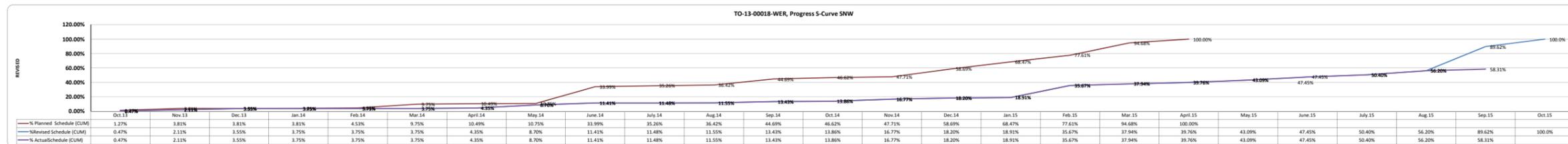
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,555.82
Day Work Value:	\$671,393.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO #4)	\$13,904,555.82
Revised Day Work Amount (VO #4)	\$671,393.00
Total Contract Value Less Day Work VOB:	\$13,609,882.50
Day Work Value VOB:	\$1,061,673.50
Total Contract Value Including Day Work VOB:	\$14,721,856.00
Total Contract Value Less Day Work VOB:	\$13,609,882.00
Day Work Value VOB:	\$823,017.96
Total Contract Value Including Day Work VOB:	\$14,721,856.00

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	April-14	May-14	June-14	July-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	April-15	May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-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	\$29,457.90	\$725,813.31	\$414,044.16	\$297,923.42	\$565,835.48	\$476,014.65	\$546,154.18	\$1,605,620.26	\$674,510.68										\$6,516,970.57
Revised Schedule Value (CUM)	\$72,410.79	\$138,265.55	\$367,626.28	\$760,860.11	\$1,286,213.66	\$1,388,951.45	\$1,377,861.99	\$1,524,241.22	\$1,640,561.44	\$1,705,086.54	\$1,889,339.32	\$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
% Planned Schedule (CUM)	0.48%	2.19%	3.76%	4.04%	5.46%	6.44%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%										100%
% Revised Schedule (CUM)	0.48%	2.19%	3.76%	4.04%	5.46%	6.44%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%										100%
% Actual Schedule (CUM)	0.48%	2.19%	3.76%	4.04%	5.46%	6.44%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%	7.05%										100%



	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	April-14	May-14	June-14	July-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	April-15	May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL		
Planned Schedule Value	\$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	\$580,139.08	\$134,972.72	\$76,571.56	\$769,741.05	\$685,807.25	\$641,052.45	\$1,196,820.69	\$372,677.69										\$7,011,251.90
Revised Schedule Value (CUM)	\$77,902.79	\$267,096.28	\$281,908.05	\$315,880.76	\$375,724.65	\$725,517.34	\$43,146.71	\$310,442.22	\$519,149.42	\$5,160.69	\$1,763,611.80	\$2,640,559.21	\$3,021,324.71	\$3,702,761.95	\$6,261,074.86	\$6,527,630.28	\$6,689,899.51	\$6,908,943.42	\$7,011,251.95										\$7,011,251.90
% Planned Schedule (CUM)	0.47%	2.11%	3.55%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%										100%
% Revised Schedule (CUM)	0.47%	2.11%	3.55%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%										100%
% Actual Schedule (CUM)	0.47%	2.11%	3.55%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%										100%



ARW 22.3 Site Memos Log

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Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-SNW-E-C-028	Sildewalk and Soil Erosion Concrete Slab's Surface	September 1, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-029	PVC Insulation Membrane Installation Quality	September 1, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-030	Damages of the Retaining Wall at Sanur	September 6, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-031	Installation of Lighting Fixture for Buildings at Sanur Well	September 13, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-032	Painting of Buildings' External Walls at Sanur Well	September 13, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-033	Safety Violations at Sanur Well	September 14, 2015		SM is referred to SNW Project
SM-13-00018-WER-E-C-034	Repairing and Rehabilitating the Existing Pumps and Motors at Arraba and Sanur wells	September 20, 2015		SM is referred to SNW & ARW Projects

ARW 22.4 Material & Equipment Delivered to Site Log

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Material Log

Task Order:		AID-294-TO-13-00018		
Project:		Wells Rehabilitation Project		
Sub-project		Arraba Well Pump Station Rehabilitation and Infrastructure Improvements		
Item	Date	Description	Oty	Location
1	September 1, 2015	Base Course	20 m ³	Arraba Well
2	September 2, 2015	Base Course	20 m ³	Arraba Well
3	September 3, 2015	Base Course	20 m ³	Arraba Well
4	September 4, 2015	None	-	-
5	September 5, 2015	Base Course	20 m ³	Arraba Well
6	September 6, 2015	None	-	-
7	September 7, 2015	Concrete B210	2 m ³	Arraba Well
8	September 8, 2015	Base Course	20 m ³	Arraba Well
9		Single Size	20 m ³	Arraba Well
10	September 9, 2015	None	-	-
11	September 10, 2015	Concrete B350	17 m ²	Arraba Well
12	September 11, 2015	None	-	-
13	September 12, 2015	None	-	-
14	September 13, 2015	Base Course	20 m ²	Arraba well
15	September 14, 2015	None	-	-
16	September 15, 2015	None	-	-
17	September 16, 2015	None	-	-
18	September 17, 2015	None	-	-
19	September 18, 2015	None	-	-
20	September 19, 2015	Concrete B350	53 m ³	Arraba Well
21	September 20, 2015	Single Size	40 m ³	Arraba Well
22	September 21, 2015	AC units (indoor & Outdoor)	14 Pcs	Arraba Well
23		Booster Pump's Motors, 250 HP	2 Pcs	Arraba Well
24		Well Pump's Motors, 225 HP	1 Pc	Arraba Well
25	September 22, 2015	None	-	-
26	September 23, 2015	None	-	-
27	September 24, 2015	None	-	-
28	September 25, 2015	None	-	-
29	September 26, 2015	None	-	-
30	September 27, 2015	None	-	-
31	September 28, 2015	None	-	-
32	September 29, 2015	None	-	-
33	September 30, 2015	None	-	-

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	September 1, 2015	JCB Back Hole-1993-1	1	8		
2		Steel Compactor	1	1		
3		Mercedes 416-2002	1	8		
4		Tractor	1	2		
5		Level	1	1		
6		Total Station	1	2		
7		Concrete Vibrator				1
8	September 2, 2015	JCB Back Hole-1993-1	1	8		
9		Steel Compactor				1
10		Mercedes 416-2002	1	8		
11		Level	1	1		
12		Total Station	1	2		
13		Concrete Vibrator				1
14	September 3, 2015	JCB Back Hole-1993-1	1	8		
15		Steel Compactor	1	3		
16		Mercedes 416-2002	1	8		
17		Level				1
18		Total Station				1
19		Concrete Vibrator				1
20	September 4, 2015	JCB Back Hole-1993-1				1
21		Steel Compactor				1
22		Mercedes 416-2002				1
23		Level				1
24		Total Station				1
25		Concrete Vibrator				1
26	September 5, 2015	JCB Back Hole-1993-1	1	8		
27		Steel Compactor				
28		Mercedes 416-2002	1	8		
29		Level				1
30		Total Station				1
31		Concrete Vibrator				1
32		Crane	1	2		
33	September 6, 2015	JCB Back Hole-1993-1	1	8		
34		Steel Compactor	1	3		
35		Mercedes 416-2002	1	8		
36		Tractor	1	3		
37		Level				1
38		Total Station				1
39		Concrete Vibrator				1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
40	September 7, 2015	JCB Back Hole-1993-1	1	4	
41		Steel Compactor			1
42		Mercedes 416-2002	1	8	
43		Jack Hammer	1	6	
44		Level			1
45		Total Station			1
46		Concrete Vibrator	1	1	
47	September 8, 2015	JCB Back Hole-1993-1	1	3	
48		Steel Compactor	1	1	
49		Mercedes 416-2002	1	8	
50		Tractor	1	3	
51		Level			1
52		Total Station			1
53		Concrete Vibrator			1
54	Bobcat	1	3		
55	September 9, 2015	JCB Back Hole-1993-1			1
56		Steel Compactor			1
57		Mercedes 416-2002	1	8	
58		Bobcat			1
59		Level			1
60		Total Station			1
61		Concrete Vibrator			1
62	September 10, 2015	JCB Back Hole-1993-1			1
63		Steel Compactor			1
64		Mercedes 416-2002	1	8	
65		Bobcat			1
66		Level			1
67		Total Station			1
68		Concrete Vibrator	1	2	
69	September 11, 2015	JCB Back Hole-1993-1			1
70		Steel Compactor			1
71		Mercedes 416-2002			1
72		Bobcat			1
73		Level			1
74		Total Station			1
75		Concrete Vibrator			1
76	September 12, 2015	JCB Back Hole-1993-1	1	3	
77		Steel Compactor			1
78		Mercedes 416-2002	1	8	
79		Bobcat			1
80		Level			1
81		Total Station			1
82		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
83	September 13, 2015	JCB Back Hole-1993-1	1	3	
84		Steel Compactor			1
85		Mercedes 416-2002	1	8	
86		Bobcat	1	2	1
87		Level	1	1	
88		Total Station			1
89		Concrete Vibrator			1
90		Tractor	1	2	
91	September 14, 2015	JCB Back Hole-1993-1			1
92		Steel Compactor			1
93		Mercedes 416-2002	1	8	
94		Bobcat			1
95		Level			1
96		Total Station			1
97		Concrete Vibrator			1
98		Tractor			
99	September 15, 2015	JCB Back Hole-1993-1			1
100		Steel Compactor			1
101		Mercedes 416-2002	1	8	
102		Bobcat			1
103		Level			1
104		Total Station			1
105		Concrete Vibrator			1
106		Tractor			
107	September 16, 2015	JCB Back Hole-1993-1			1
108		Steel Compactor			1
109		Mercedes 416-2002	1	8	
110		Bobcat			1
111		Level			1
112		Total Station			1
113		Concrete Vibrator			1
114		Tractor			
115	September 17, 2015	JCB Back Hole-1993-1			1
116		Steel Compactor			1
117		Mercedes 416-2002	1	8	
118		Bobcat			1
119		Level			1
120		Total Station			1
121		Concrete Vibrator			1
122		Tractor			
123	September 18, 2015	JCB Back Hole-1993-1			1
124		Steel Compactor			1
125		Mercedes 416-2002			1
126		Bobcat			1
127		Level			1
128		Total Station			1
129		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
130	September 19, 2015	JCB Back Hole-1993-1	1	6	
131		Steel Compactor			1
132		Mercedes 416-2002	1	8	
133		Bobcat			1
134		Level			1
135		Total Station			1
136		Concrete Vibrator	1	3	
137	September 20, 2015	JCB Back Hole-1993-1	1	7	
138		Steel Compactor			1
139		Mercedes 416-2002	1	8	
140		Bobcat	1	7	
141		Level			1
142		Total Station			1
143		Concrete Vibrator			1
144	September 21, 2015	JCB Back Hole-1993-1	1	3	
145		Steel Compactor			1
146		Mercedes 416-2002	1	8	
147		Bobcat			1
148		Level			1
149		Total Station			1
150		Concrete Vibrator			1
151		Crane	1	6	
152	September 22, 2015	JCB Back Hole-1993-1	1	1	
153		Steel Compactor			1
154		Mercedes 416-2002	1	8	
155		Bobcat			1
156		Level			1
157		Total Station			1
158		Concrete Vibrator			1
159	September 23, 2015	JCB Back Hole-1993-1			1
160		Steel Compactor			1
161		Mercedes 416-2002			
162		Bobcat			1
163		Level			1
164		Total Station			1
165		Concrete Vibrator			1
166	September 24, 2015	JCB Back Hole-1993-1			1
167		Steel Compactor			1
168		Mercedes 416-2002			
169		Bobcat			1
170		Level			1
171		Total Station			1
172		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
173	September 25, 2015	JCB Back Hole-1993-1			1
174		Steel Compactor			1
175		Mercedes 416-2002			
176		Bobcat			1
177		Level			1
178		Total Station			1
179		Concrete Vibrator			1
180	September 26, 2015	JCB Back Hole-1993-1			1
181		Steel Compactor			1
182		Mitsubishi L200-2007			
183		Diesel Generator			1
184		Level			1
185		Total Station			1
186		Concrete Vibrator			1
187	September 27, 2015	JCB Back Hole-1993-1			1
188		Steel Compactor			1
189		Mercedes 416-2002	1	8	
190		Bobcat			1
191		Level			1
192		Total Station			1
193		Concrete Vibrator			1
194	September 28, 2015	JCB Back Hole-1993-1	1	2	
195		Steel Compactor			1
196		Mercedes 416-2002	1	8	
197		Bobcat			1
198		Level			1
199		Total Station			1
200		Concrete Vibrator			1
201	September 29, 2015	JCB Back Hole-1993-1	1	2	
202		Steel Compactor			1
203		Mercedes 416-2002	1	8	
204		Bobcat			1
205		Level			1
206		Total Station			1
207		Concrete Vibrator			1
208	September 30, 2015	Mercedes 416 -2002	1	8	
209		JCB Back Hole -1993	1	2	
210		Total Station			1
211		Tractor			1
212		Survey Level			1
213		Steel compactor			1
214		Concrete Vibrator			1

ARW 22.5 Inspection Requests Log

DISCLAIMER:

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

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	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-107-A	September 1, 2015	September 1, 2015	Inspecting Reinforced Concrete Pipe Culvert as per attached MRR	September 1, 2015	C		
IR-13-00018-WER-107-B	September 2, 2015	September 2, 2015	Inspecting Reinforced Concrete Pipe Culvert as per attached MRR	September 2, 2015	A		
IR-13-00018-WER-108-A	September 1, 2015	September 1, 2015	Inspecting Wiring Device as per attached MRR	September 1, 2015	A		
IR-13-00018-WER-109-A	September 7, 2015	September 7, 2015	Inspecting Deckguard FC as per attached MRR	September 7, 2015	A		
IR-13-00018-WER-110-A	September 8, 2015	September 8, 2015	Inspecting Gate Valves and Dismantling Joints as per attached MRR		Retracted on Sep. 8, 2015		
IR-13-00018-WER-110-A	September 13, 2015	September 13, 2015	Inspecting Gate Valves and Dismantling Joints as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-111-A	September 8, 2015	September 8, 2015	Inspecting AC Units as per attached MRR	September 8, 2015	C		
IR-13-00018-WER-112-A	September 8, 2015	September 9, 2015	Inspecting Nitocoat SN 522 as per attached MRR	September 9, 2015	A		
IR-13-00018-WER-113-A	September 13, 2015	September 13, 2015	Inspecting PVC Valves and Fittings as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-114-A	September 13, 2015	September 13, 2015	Inspecting Catch Basin Grill as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-115-A	September 13, 2015	September 13, 2015	Inspecting Galvanized Steel Louvers for the chlorination building windows as per attached MRR.	September 13, 2015	A		
IR-13-00018-WER-116-A	September 14, 2015	September 14, 2015	Inspecting Medium Voltage Switch Gear and Accessories as per attached MRR.	September 14, 2015	A		
IR-13-00018-WER-117-A	September 14, 2015	September 14, 2015	Inspecting MTC, MCC, PLC Panel and Battery Charger as per attached MRR.	September 14, 2015	C		
IR-13-00018-WER-118-A	September 14, 2015	September 14, 2015	Inspecting Exit Sign and Accessories as per attached MRR	September 14, 2015	A		

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-WER-119-A	September 21, 2015	September 21, 2015	Inspecting Solar Collecting System and Water Tank Stand as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-119-B	September 29, 2015	September 29, 2015	Inspecting Solar Collecting System and Water Tank Stand as per attached MRR.	September 29, 2015	A		
IR-13-00018-WER-120-A	September 21, 2015	September 21, 2015	Inspecting Butterfly Valve DN:300mm, Cl. 150 as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-121-A	September 21, 2015	September 21, 2015	Inspecting Ball & Check Valves as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-122-A	September 21, 2015	September 21, 2015	Inspecting Potable Water Tanks 1000L as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-123-A	September 21, 2015	September 21, 2015	Inspecting Tank Mounted Air Compressor as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-124-A	September 21, 2015	September 21, 2015	Inspecting Chlorine Storage Tank 500L Prominent as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-125-A	September 21, 2015	September 21, 2015	Inspecting Structural Shed Material as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-126-A	September 21, 2015	September 22, 2015	Inspecting Structural Shed Roof Access Hatches as per attached MRR.	September 22, 2015	A		
IR-13-00018-WER-127-A	September 28, 2015	September 28, 2015	Inspecting Street Light Lamps as per attached MRR.	September 28, 2015	C		
IR-13-00018-WER-128-A	September 28, 2015	September 28, 2015	Inspecting Gate Motor and Accessories as per attached MRR.	September 28, 2015	C		
IR-13-00018-WER-129-A	September 29, 2015	September 29, 2015	Inspecting UV Filter as per attached MRR.	September 29, 2015	A		
IR-13-00018-WER-130-A	September 29, 2015	September 29, 2015	Inspecting Wooden Kitchen Upper and Lower Cabinet as per attached MRR.	September 29, 2015	C		
IR-13-00018-WER-131-A	September 30, 2015	September 30, 2015	Inspection Compliance of Environmental Status with Contract Requirements for August 2015-Environmental Check List	September 30, 2015	A		

	Color	
		Amend-Resubmit
		No Exceptions Noted
		Pending

Inspection Requests Log
IRD/BV
Task Order: AID-294-TO-13-00018

Project: Wells Rehabilitation Project

Sender/ Recipient		1st Inspection				2nd Inspection	
No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-ARW-239-B	September 2, 2015	September 2, 2015	Inspecting Installation of HVAC Conduits and Sleeves in the Walls of Electrical Control Building	September 2, 2015	A		
IR-13-00018-ARW-456-A	September 1, 2015	September 1, 2015	Inspecting the applied first coat of Nitoproof to concrete of foundation of Section B-B' of the Fence Wall in order to apply the second coat.	September 1, 2015	A		
IR-13-00018-ARW-457-A	September 1, 2015	September 1, 2015	Inspecting location and excavation level (40 cm below soffit of the slab) of the Rig Pad.	September 1, 2015	A		
IR-13-00018-ARW-458-A	September 2, 2015	September 2, 2015	Inspecting the applied second coat of Nitoproof to concrete of foundation of Section B-B' of the Fence Wall prior to backfilling.	September 2, 2015	A		
IR-13-00018-ARW-459-A	September 2, 2015	September 2, 2015	Inspecting Arraba Booster Station Hub Drain System	September 2, 2015	A		
IR-13-00018-ARW-460-A	September 10, 2015	September 10, 2015	Inspecting top level of the compacted base course layer under the Rig Slab.	September 10, 2015	A		
IR-13-00018-ARW-461-A	September 10, 2015	September 10, 2015	Inspecting formwork and reinforcement steel for the upper slab on grade in the booster pumps area.	September 10, 2015	A		
IR-13-00018-ARW-462-A	September 10, 2015	September 10, 2015	Inspecting surface preparation for foundation of Compartment # 2 of the BT prior to applying the first coat of Nitoproof	September 10, 2015	A		
IR-13-00018-ARW-463-A	September 14, 2015	September 14, 2015	Inspecting the final coat of plastering and the surface preparation for the internal walls of the Electrical Metering Building.	September 14, 2015	A		
IR-13-00018-ARW-464-A	September 14, 2015	September 14, 2015	Inspecting surface preparation on roof slab of the Electrical Metering Building prior to start of roofing insulation activity.	September 14, 2015	A		
IR-13-00018-ARW-465-A	September 14, 2015	September 14, 2015	Inspecting the final coat of plastering and the surface preparation for the ceiling of the Chlorination Building.	September 14, 2015	A		
IR-13-00018-ARW-466-A	September 14, 2015	September 14, 2015	Inspecting surface preparation on roof slab of the Chlorination Building prior to start of roofing insulation activity.	September 14, 2015	A		
IR-13-00018-ARW-467-A	September 15, 2015	September 15, 2015	Inspecting the applied first coat of Nitoproof for foundation of Compartment # 2 of the BT in order to apply the second coat.	September 15, 2015	A		
IR-13-00018-ARW-468-A	September 15, 2015	September 15, 2015	Inspecting Installation of the Water Measuring Devices and Preparations to Start Balance Tank-Compartment (2) Leakage Test.	September 15, 2015	A		
IR-13-00018-ARW-469-A	September 16, 2015	September 16, 2015	Inspecting the applied second coat of Nitoproof to foundation of Compartment # 2 of the BT.	September 16, 2015	A		
IR-13-00018-ARW-470-A	September 16, 2015	September 16, 2015	Inspecting installation of formwork and steel reinforcement of the Rig Slab.	September 16, 2015	A		
IR-13-00018-ARW-471-A	September 20, 2015	September 20, 2015	Inspecting the final coat of plastering and the surface preparation for the internal walls of the Electrical Control Building.	September 20, 2015	A		
IR-13-00018-ARW-472-A	September 20, 2015	September 20, 2015	Inspecting installation of the underdrain system (perforated pipes) around the BT.	September 20, 2015	A		
IR-13-00018-ARW-473-A	September 20, 2015	September 20, 2015	Inspecting surface preparations and repairs inside Electrical Manholes # MHP-4 &MHP-5.	September 20, 2015	C		
IR-13-00018-ARW-473-B	September 22, 2015	September 22, 2015	Inspecting surface preparations and repairs inside Electrical Manholes # MHP-4 &MHP-5.	September 22, 2015	A		
IR-13-00018-ARW-474-A	September 22, 2015	September 22, 2015	Inspecting (3) Louver Steel Doors and (3) Steel Doors without Louver for Buildings as per attached MRR.	September 22, 2015	A		
IR-13-00018-ARW-475-A	September 21, 2015	September 21, 2015	Inspecting Arraba Well & Booster Pump's Motors as per attached MRR.	September 21, 2015	A		
IR-13-00018-ARW-476-A	September 21, 2015	September 21, 2015	Inspecting Arraba AC Units (Indoor & Outdoor) as per attached MRR.	September 21, 2015	A		
IR-13-00018-ARW-477-A	September 21, 2015	September 21, 2015	Inspecting Suction Cans of Booster Pumps # 1 & 2 prior to installation of the Booster Pumps and the Motors.	September 21, 2015	A		
IR-13-00018-ARW-478-A	September 22, 2015	September 22, 2015	Inspecting the leak test completion for Arraba Balance Tank Compartment (2).	September 22, 2015	A		
IR-13-00018-ARW-479-A	September 29, 2015	September 29, 2015	Inspecting the applied coat of Bondrol in order to apply the first coat of Emulsion to the internal walls of the LQ Building.	September 29, 2015	A		
IR-13-00018-ARW-480-A	September 29, 2015	September 29, 2015	Inspecting the applied coat of Bondrol in order to apply the first coat of Emulsion to the internal walls of the EMR.	September 29, 2015	A		
IR-13-00018-ARW-481-A	September 29, 2015	September 29, 2015	Inspecting the applied coat of Bondrol in order to apply the first coat of Emulsion to the internal walls of the EC Building.	September 29, 2015	A		
IR-13-00018-ARW-482-A	September 30, 2015	September 30, 2015	Inspecting Implementation of Confined Space Safety Plan at Arraba Balance Tank – Compartment 1.	September 30, 2015	A		

ARW 22.6 Submittals Log

DISCLAIMER:

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Submittal Categories		Submittal Classification		Identification		Revision/Alpha Identifier		Submittal Disposition/ Color Coding										
PD SD AD TR SCH RPT BMP CO MAT	PRODUCT DATA SHOP DRAWINGS ADMINISTRATIVE/OTHER TEST REPORT SCHEDULE REPORT SAMPLE COMPLETION & CLOSOUT MATERIAL	PCS CONS PVS	Procurement Construction Post construction	WER Wells Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-13-WER-001-A First RE-Submittal SUB-13-WER-001-B Second Resubmittal SUB-13-WER-001-C			A - No Exception Noted B - Major Correction Noted C - Amend and Resubmit D - Rejected - Resubmit E - Review Not Required F - Substantial Pending Response										
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-754-B	Wood Door and Frame Sample	Section 08210- Paragraph: 1.2D	SMP	CONS	SUB	WER			B		From main contractor directly	September 30, 2015		October 30, 2015				Pending
SUB-00018-ARW-888-B	Preliminary Operation & Maintenance Manuals/Section 6/ Hydro-pneumatic Protection Tank - Arraba	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	ARW			B		From main contractor directly	September 7, 2015		October 7, 2015	September 8, 2015			Retracted
SUB-00018-ARW-888-B	Preliminary Operation & Maintenance Manuals/ Section 6/ Hydro-pneumatic Protection Tank - Arraba	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	ARW			B		From main contractor directly	September 22, 2015		October 22, 2015	September 29, 2015	7	B	
SUB-00018-WER-926-B	Training Plan for Sanur & Arraba	Section: 01671	AD	CONS	SUB	WER			B		From main contractor directly	September 10, 2015		October 10, 2015	September 21, 2015	11	B	
SUB-00018-WER-927-B	Testing Plan for Sanur & Arraba	Section: 01660	AD	CONS	SUB	WER			B		From main contractor directly	September 20, 2015		October 20, 2015				Pending
SUB-00018-SNW-991-C	Contractor Response to SM-13-00018-SNW-E-C-025	Section: 02570 & SM-024- Paragraph: 3.4	AD	CONS	SUB	SNW			C		From main contractor directly	September 7, 2015		October 7, 2015	September 10, 2015	3	A	
SUB-00018-SNW-1008-B	Revised Anchoring Bolts Shop Drawings for Sanur Booster Pumps Shed	Section: 05500- Paragraph: 1.3B-4	SD	CONS	SUB	SNW			B		From main contractor directly	September 30, 2015		October 30, 2015				Pending
SUB-00018-ARW-1063-B	Modified Shop Drawings for Booster Pumps Steel Shed as per VO-13-00018-WER-006- Arraba	Section: 05100- Paragraph: 1.3B	SD	CONS	SUB	ARW			B		From main contractor directly	September 10, 2015		October 10, 2015	September 22, 2015	12	E	
SUB-00018-ARW-1072-C	Preliminary Operation & Maintenance Manuals/ Section 5A/ Arraba Booster Pumps Flow Control Valves	Section: 15217	AD	CONS	SUB	ARW			C		September 12, 2015	September 13, 2015		October 13, 2015	September 16, 2015	3	A	
SUB-00018-WER-1150-B	Monthly Environmental Plan Update and Mitigation Plan Update- June 2015	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			B		From main contractor directly	September 3, 2015		October 3, 2015	September 7, 2015	4	A	
SUB-00018-SNW-1153-B	Preliminary Operation & Maintenance Manuals-Section 1B/400V Well Pump Variable Frequency Drive-Sanur	Section: 16455	AD	CONS	SUB	SNW			B		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	B	
SUB-00018-WER-1184-B	Manhole Steps	Section: 02490- Paragraph: 2.11	PD	CONS	SUB	WER			B		September 14, 2015	September 14, 2015		October 14, 2015	September 17, 2015	3	A	
SUB-00018-WER-1204-B	Lighting Luminaires Complementary	Section 16500- Paragraph: 2.2	PD	CONS	SUB	WER			B		From main contractor directly	September 10, 2015		October 10, 2015	September 20, 2015	10	B	
SUB-00018-WER-1215-B	Wall Bracket, Valves and Horizontal Pipes Support	Program Standard Details- Detail No. M-104 & M-108	SMP	CONS	SUB	WER			B		September 14, 2015	September 14, 2015		October 14, 2015	September 22, 2015			Retracted
SUB-00018-WER-1215-B	Wall Bracket, Valves and Horizontal Pipes Support	Program Standard Details- Detail No. M-104 & M-108	SMP	CONS	SUB	WER			B		September 30, 2015	September 30, 2015		October 30, 2015				Pending
SUB-00018-WER-1259-B	Intrusion Switch- Alternative	Section 16485- Paragraph: 2.1-1	PD	CONS	SUB	WER			B		September 19, 2015	September 22, 2015		October 22, 2015				Pending
SUB-00018-SNW-1260-B	Preliminary Start-Up Procedure - Sanur Well	Section 01660	AD	CONS	SUB	SNW			B		From main contractor directly	September 17, 2015		October 17, 2015	September 22, 2015	5	A	
SUB-00018-WER-1261-B	Safety and Health Training Manual	Section 01670- Paragraph: 1.2G	AD	CONS	SUB	WER			B		From main contractor directly	September 20, 2015		October 20, 2015	September 21, 2015	1	A	
SUB-00018-WER-1279-A	Smoke Detector and Horn - Alternative	Section: 16485- Paragraph: 2.1-J	PD	CONS	SUB	WER			A		September 2, 2015	September 2, 2015		October 2, 2015	September 10, 2015	8	C	
SUB-00018-WER-1279-B	Smoke Detector and Horn - Alternative	Section: 16485- Paragraph: 2.1-J	PD	CONS	SUB	WER			B		September 20, 2015	September 22, 2015		October 22, 2015				Pending
SUB-00018-WER-1280-A	Swing Gate Shop Drawings	Section: 02831- Paragraph: 2.4B	SD	CONS	SUB	WER			A		August 30, 2015	September 2, 2015		October 2, 2015	September 7, 2015	5	B	
SUB-00018-SNW-1281-A	Anchor Calculation of Sanur Booster and Well Pumps VFD Supports	Section: 16457	AD	CONS	SUB	SNW			A		From main contractor directly	September 2, 2015		October 2, 2015	September 22, 2015	20	B	
SUB-00018-ARW-1282-A	Preliminary Operation & Maintenance Manuals - Section 2B- 400V Booster Pump Variable Frequency Drive- Arraba -(Booster Pump 3 & 4)	Section: 16455	AD	CONS	SUB	ARW			A		August 30, 2015	September 3, 2015		October 3, 2015	September 10, 2015	7	C	
SUB-00018-SNW-1283-A	Preliminary Operation & Maintenance Manuals/ Section 9G/Debris Stop Gate and Mud Gate - Sanur	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	SNW			A		August 30, 2015	September 3, 2015		October 3, 2015	September 7, 2015	4	C	
SUB-00018-WER-1284-A	HVAC Thermostat - Complementary	Section: 15950- Paragraph: 2.2J	PD	CONS	SUB	WER			A		August 31, 2015	September 3, 2015		October 3, 2015	September 9, 2015	6	B	
SUB-00018-WER-1285-A	UV Filter	Section: 15450- Paragraph: 2.6A & B	PD	CONS	SUB	WER			A		August 30, 2015	September 3, 2015		October 3, 2015	September 9, 2015	6	B	
SUB-00018-WER-1286-A	Cable Accessories	Section: 01300	PD	CONS	SUB	WER			A		August 31, 2015	September 3, 2015		October 3, 2015	September 14, 2015	11	B	
SUB-00018-WER-1287-A	Revised Testing And Disinfection Of Concrete Structures (Water Hydraulic Structure)	Section: 01650	AD	CONS	SUB	WER			A		From main contractor directly	September 3, 2015		October 3, 2015	September 7, 2015	4	B	
SUB-00018-SNW-1288-A	Anchor Calculation of Sanur Switch Gear	Section: 16362	AD	CONS	SUB	SNW			A		From main contractor directly	September 3, 2015		October 3, 2015				Retracted
SUB-00018-SNW-1288-A	Anchor Calculation of Sanur Switch Gear	Section: 16362	AD	CONS	SUB	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 22, 2015	5	B	
SUB-00018-SNW-1289-A	Anchor Calculation of Sanur MCC	Section: 16480	AD	CONS	SUB	SNW			A		From main contractor directly	September 3, 2015		October 3, 2015				Retracted
SUB-00018-WER-1290-A	Revised Original CPM Construction Schedule as per VO-13-00018-WER-008	Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER			A		From main contractor directly	September 7, 2015		October 7, 2015	September 28, 2015	21	C	
SUB-00018-SNW-1291-A	Method Statement of External Plastering Cracks Repair	Section: 09200	AD	CONS	SUB	SNW			A		From main contractor directly	September 7, 2015		October 7, 2015	September 13, 2015	6	A	
SUB-00018-SNW-1292-A	Structural Calculation of Anchorage of Steel Shed - Sanur	Section: 05500- Paragraph: 1.3B-4	AD	CONS	SUB	SNW			A		From main contractor directly	September 7, 2015		October 7, 2015	September 28, 2015	21	A	
SUB-00018-WER-1293-A	Raphael Gate Valve Test Certificates - FAT	Section: 15201 & 15206	TR	CONS	Lab Test	WER			A		From main contractor directly	September 7, 2015		October 7, 2015	September 8, 2015			Retracted
SUB-00018-WER-1293-A	Raphael Gate Valve Test Certificates - FAT	Section: 15201 - Paragraph: 1.2E	TR	CONS	Lab Test	WER			A		September 8, 2015	September 9, 2015		October 9, 2015	September 10, 2015	1	A	
SUB-00018-SNW-1294-A	Preliminary Operation & Maintenance Manuals/Section 5D/Gate Valve Sanur	Section: 15201 & 15206	AD	CONS	SUB	SNW			A		September 6, 2015	September 8, 2015		October 8, 2015	September 13, 2015	5	B	
SUB-00018-WER-1295-A	Anza, Jabba, Mirka and Aija Connection Chamber Shop Drawings	Section: 01300 - Paragraph: 1.3	SD	CONS	SUB	WER			A		September 6, 2015	September 8, 2015		October 8, 2015	September 10, 2015	2	B	
SUB-00018-WER-1296-A	Resume of Training Instructor of The Well and booster pumps	Section: 01670- Paragraph: 1.2 E - 10	AD	CONS	SUB	WER			A		From main contractor directly	September 8, 2015		October 8, 2015	September 22, 2015	14	B	
SUB-00018-WER-1297-A	Dismantling Joint Test Certificates - FAT	Section: 15000- Paragraph: 1.2D	TR	CONS	Lab Test	WER			A		September 8, 2015	September 9, 2015		October 9, 2015	September 10, 2015	1	A	
SUB-00018-ARW-1298-A	Arraba MMSG Test Report - FAT	Section 16362	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 9, 2015		October 9, 2015	September 14, 2015	5	A	
SUB-00018-SNW-1299-A	Sanur MTS Test Report - FAT	Section: 16480	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 9, 2015		October 9, 2015	September 14, 2015	5	C	
SUB-00018-SNW-1300-A	Sanur Well Head And Rig Slab Revised Plan	Section 01300- Paragraph: 1.3	SD	CONS	SUB	SNW			A		September 10, 2015	September 10, 2015		October 10, 2015	September 20, 2015	10	B	
SUB-00018-ARW-1301-A	Arraba Site Layout Revised Shop Drawing	Section 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			A		September 13, 2015	September 13, 2015		October 13, 2015	September 22, 2015			Retracted
SUB-00018-ARW-1302-A	Preliminary Operation & Maintenance Manuals/ Section 5D/Gate Valves	Section: 15201 & 15206	AD	CONS	SUB	ARW			A		September 12, 2015	September 13, 2015		October 13, 2015	September 21, 2015	8	B	
SUB-00018-WER-1303-A	Butterfly Valve Test Certificates - FAT	Section: 15200- Paragraph: 1.2E	TR	CONS	Lab Test	WER			A		September 12, 2015	September 13, 2015		October 13, 2015	September 14, 2015	1	A	
SUB-00018-WER-1304-A	Flow Meter Test Certificates - FAT	Section: 15217	TR	CONS	Lab Test	WER			A		September 12, 2015	September 13, 2015		October 13, 2015	September 14, 2015	1	A	
SUB-13-00018-WER-1305-A	Monthly Risk Management Plan Update - August 2015	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-WER-1306-A	Monthly Safety Plan Update - August 2015	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-WER-1307-A	Manhole Step Test Report	Section: 05500	TR	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	

Submittal Categories		Submittal Classification		Phase		Identifiers		Review Status		Resubmittal Alpha Identifier		Submittal Disposition / Color Coding						
<ul style="list-style-type: none"> PD SHOP DRAWINGS AD ADMINSTRATIVE/OTHER TR TEST REPORT TR SCHEDULE RPT REPORT SMP SAMPLE CO COMPLETION & CLOSEOUT MAT MATERIAL 	<ul style="list-style-type: none"> PCS CONS PTS 	<ul style="list-style-type: none"> Construction Post construction 	<ul style="list-style-type: none"> WER Well Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier 	<ul style="list-style-type: none"> First Submittal SUB-13-WER-001-A Final RE-Submittal SUB-13-WER-001-B Second Resubmittal SUB-13-WER-001-C 	<ul style="list-style-type: none"> A: No Description Needed B: Make Correction Needed C: Amend and Resubmit D: Rejected - Resubmit E: Review Not Required F: Submitted Pending Response 													
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-13-00018-WER-1308-A	Project Permanent Sign	Section: 01580	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 20, 2015	5	B	
SUB-13-00018-WER-1309-A	Monthly Environmental Plan Update and Mitigation Plan Update-August 2015	Contractor's Manual- Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-SNW-1310-A	Anchor Calculation of Samur MCC - Alternative	Section: 16480	AD	CONS	SUB	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 22, 2015	7	B	
SUB-13-00018-SNW-1311-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW/ Station (0+097 to 0+110)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1312-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Footing for Fence Wall B-B'	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1313-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Encasement of Electrical Duct Bank DBP-11	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1314-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Trench Walls of the Electrical Transformer	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1315-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Foundation of The Booster Pump, Foundation of the Electrical Transformer & Roof Slab of the Washout Chamber	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1316-A	Test Report on Concrete Compressive Strength at 28 Days of Age -Screed Concrete for Buildings Roof (EM, EC, LQ & CS)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1317-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW Foundation (0+095 to 0+120)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1318-A	Test Report on Concrete Compressive Strength at 28 Days of Age -BT Metering Pad	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1319-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW (0+085 to 0+095) & (0+110 to 0+120)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1320-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Duct Bank DBP-11	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1321-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Foundation (0+127 to 0+134)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1322-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Foundation (0+134 to 0+146.36)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1323-A	Remedy Plan for Sidewalk and Soil Erosion Concrete Slab's Surface in Response to SM-13-00018-SNW-E-C-028	Section: 01300 & SM#28- Paragraph: 1.2	AD	CONS	SUB	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 29, 2015	14	B	
SUB-13-00018-SNW-1324-A	Remedy Plan for Concrete Surface Uniformity for Fence Wall in Response to SM-13-00018-SNW-E-C-022	Section: 01300 & SM#30	AD	CONS	SUB	SNW			A		From main contractor directly	September 16, 2015		October 16, 2015	September 17, 2015	1	B	
SUB-13-00018-SNW-1325-A	Remedy Plan for Repairing the Damages in the RW in Response to SM-13-00018-SNW-E-C-030	Section: 03300 & SM#30	AD	CONS	SUB	SNW			A		From main contractor directly	September 16, 2015		October 16, 2015	September 17, 2015	1	B	
SUB-13-00018-WER-1326-A	QC Monthly Report- August 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	September 16, 2015		October 16, 2015	September 20, 2015	4	B	
SUB-13-00018-ARW-1327-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Walls of Section B-B' of the Fence Wall	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1328-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Roof Slab of Seepage Pit & Electrical Duct Banks (DBP-10 & DBP-20)	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1329-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Concrete Screed for Buildings (EC, CS, EMR & LQ)	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1330-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1331-A	Test Report on Concrete Compressive Strength at 7 Days of Age -RW (0+134 to 146+360), Metering Pad & Fence Wall Foundation (0+68 to 0+73)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1332-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Fence Wall (0+68 to 0+73)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	C	
SUB-13-00018-SNW-1333-A	Test Report on Concrete Compressive Strength at 7 Days of Age -S.O.G Around BT	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1334-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Beam Under Sliding Gate + Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1335-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Beam Under Sliding Gate + Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1336-A	Test Report on Concrete Compressive Strength at 7 Days of Age -RW Station (0+127 to 0+134)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	C	
SUB-13-00018-WER-1337-A	RT Test Report for 20 Welded Joints	Section: 02570- Paragraph: 3.3	TR	CONS	Lab Test	WER			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-WER-1338-A	Transformer Test Report - FAT	Section: 16400- Paragraph: 1.3B	TR	CONS	Lab Test	WER			A		From main contractor directly	September 20, 2015		October 20, 2015	September 30, 2015	10	C	
SUB-13-00018-ARW-1339-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Walls of Section B-B' of the Fence Wall	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1340-A	Test Report on Concrete Compressive Strength at 28 Days of Age -Fence Wall (0+068 to 0+073)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1341-A	Cables List and Schedule for Samur	Section: 16120	AD	CONS	SUB	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015				Pending
SUB-13-00018-ARW-1342-A	Field Density Compaction Test for Substrata-Under Rig Slab	Section: 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1343-A	Field Density Compaction Test for Subgrade- Samur Yard Area / Level 293.90 m	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1344-A	Field Density Compaction Test for Subgrade- Samur Yard Area / Level 293.55 m	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1345-A	Field Density Compaction Test for Base Course- Samur Yard Area - Secondary Entrance	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1346-A	Field Density Compaction Test for Subgrade- Under Culvert	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1347-A	Test Report on Concrete Curbs	Section: 02464	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-ARW-1348-A	Preliminary Operation & Maintenance Manuals/Section 3F/1500 KVA Pad Mounted Transformer - Arraba	Section: 16400	AD	CONS	SUB	ARW			A		September 21, 2015	September 21, 2015		October 21, 2015	September 29, 2015	8	B	
SUB-13-00018-SNW-1349-A	Preliminary Operation & Maintenance Manuals/Section 3F/1000 KVA Pad Mounted Transformer - Samur	Section: 16400	AD	CONS	SUB	SNW			A		September 21, 2015	September 21, 2015		October 21, 2015	September 29, 2015	8	B	
SUB-13-00018-WER-1350-A	QA/QC Submittal Register Monthly Update - August 2015	Section 01300, Contractor's manual, 4.1-construction submittals (3)-Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	September 22, 2015		October 22, 2015	September 28, 2015	6	A	
SUB-13-00018-ARW-1351-A	Preliminary Operation & Maintenance Manuals - Section 9B/Air Conditioning Units - Arraba	Section: 15730	AD	CONS	SUB	ARW			A		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	C	
SUB-13-00018-SNW-1352-A	Preliminary Operation & Maintenance Manuals - Section 9B/Air Conditioning Units - Samur	Section: 15730	AD	CONS	SUB	SNW			A		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	C	
SUB-13-00018-WER-1353-A	Bermad Valves Test Certificates S]04-CR1-HDV-720C (Arraba Reservoir Inlet Flow Control Valve)	Section 15217-Paragraph: 2.3A	TR	CONS	Lab Test	WER			A		September 21, 2015	September 22, 2015		October 22, 2015	September 28, 2015	6	A	
SUB-13-00018-WER-1354-A	Disconnect Switch	Section 16485-Paragraph: 2.1F	PD	CONS	SUB	WER			A		September 21, 2015	September 22, 2015		October 22, 2015				Pending
SUB-13-00018-WER-1355-A	Furniture	Section 12625-Paragraph: 2.6	PD	CONS	SUB	WER			A		September 21, 2015	September 22, 2015		October 22, 2015				Pending
SUB-13-00018-SNW-1356-A	Visual Inspection Report of Welded Joints for Sole Plate - Samur	Section: 02570	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 22, 2015		October 22, 2015	September 22, 2015	0	A	

Submittal Category	Submittal Classification	Phase	Identifiers	Resubmittal Alpha Identifier	Submittal Disposition / Color Coding
PD SD AD TR SCH RPT SMP CO MAT	PCS CONS PSTS	Preconstruction Construction Post construction	WER Well Rehabilitation Project AWF : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-13-WER-001-A First RE-Submittal SUB-13-WER-001-B Second Resubmittal SUB-13-WER-001-C	A- No Description Noted B- Make Correction Noted C- Amend and Resubmit D- Rejected Resubmit E- Review Not Required Submitted Pending Response

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-13-00018-WER-1357-A	Kitchen Cabinet Accessories	Section: 06200- Paragraph: 1.3	SMP	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015				Pending
SUB-13-00018-WER-1358-A	Wall Mounted Hose Rack and Hose	Section: 15430- Paragraph: 2.14	SMP	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015	September 30, 2015	2	C	
SUB-13-00018-WER-1359-A	Fire Extinguisher	Section: 10520- Paragraph: 2.2 A & B	PD	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015	September 30, 2015	2	C	
SUB-13-00018-WER-1360-A	Kitchen Equipment	Section: 11817- Paragraph: 2.1 – 2.4	PD	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015				Pending
SUB-13-00018-WER-1361-A	Anchor Calculation of Samur and Arraba Transformers	Section: 16400	AD	CONS	SUB	WER			A		From main contractor directly	September 30, 2015		October 30, 2015				Pending

ARW 22.7 Requests for Information Log

DISCLAIMER:

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

Task Order: **Task Order: 00018-WER**
 Projects: Project 1-ARW Arraba Well Pump Station
 Project 2-SNW Sanur Well Pump Station
 Project 3-SDW Saadeh Well Rehabilitation

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Needed by	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-082	Concrete Surface Finish of the Reinforced Concrete for Yards Concrete Pavement	-	Section 02464, items 3.5 & 3.7	-	September 1, 2015		September 20, 2015	19	Response	Option #1: This option is in line with finishes requirement as stipulated under specification 3300 Para 3.7.c.2.d. Contractor shall assure proper implementation of U4 finishes requirements. Option #2: This option is not accepted from sustainability stand point.	
RFI-18-WER-C-E-083	Well site Entrance/ Widening and Upgrading	-	Section 02460.	BoQ item 2.1.5 and DWG 3C-12	September 1, 2015		September 21, 2015	20	Response	Contractor's proposal is accepted.	

ARW 22.8 Variation Order Request and Variation Order Log

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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								
VO-13-00018-WER-008	1-Sep-15	Signed	ARW: Changes in Requirements, New Items, BOQ Typo Correction and New Definitive Quantities SNW: Changes in Requirements, New Items, BOQ Typo Correction, New Definitive Quantities and Time Extension	1-Sep-15	\$ 14,021,856.00	\$ 700,000.00	\$ 14,721,856.00	\$ 13,728,521.40	\$ 993,334.60	\$ 14,721,856.00	\$ 13,898,838.04	\$ 823,017.96	\$ 14,721,856.00	\$170,316.64	P1-Arraba Well Pump Station	ARW	550	199	0	25-Apr-15	10-Nov-15
															P2-Samur Well Pump Station	SNW	550	143	39	25-Apr-15	24-Oct-15
															P3-Saadeh Well Rehabilitation	SDW	120	20	0	19-Feb-14	11-Mar-14

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

VOR Log

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
VOR-00018-WER-024-A	September 3, 2015		0 Days	ARW+SNW (\$9,937.74)		-	1- Price Quotation Breakdown (Excel). 2- BV Response on RFI#066. Supporting Documents	Tank Mounted Compressors.		

ARW 22.9 Employment Generated Data

DISCLAIMER:

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

Task Order Name: Wells Rehabilitation Project-WER

PERIOD FROM: Oct-23-2013 (NTP)

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

PERIOD TO:

CONTRACTOR: IRD

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Males)	Total Job Days (Females)	Notes or Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other					
October	2013	5	0	0	0	0	5	0	5	0	
November	2013	44	0	4	5	1	53	2	53	0	
December	2013	53	21	30	14	27	144	6	136	8	
January	2014	65	60	100	55	88	368	15	339	29	
February	2014	64	62	57	87	102	371	16	342	29	
March	2014	75	78	171	122	105	550	23	508	42	
April	2014	78	77	129	85	178	547	23	482	65	
May	2014	84	83	263	141	233	803	34	738	65	
June	2014	78	78	277	163	225	820	34	768	52	
July	2014	72	69	208	113	195	656	28	609	47	
August	2014	78	78	247	161	220	784	33	732	52	
September	2014	82	79	232	155	194	742	31	695	47	
Total of FY 2014							5843	245.4989496	5407	436	
October	2014	67	66	163	131	188	615	26	582	33	
November	2014	80	79	217	157	189	721	30	682	39	
December	2014	80	81	204	134	202	701	29	660	41	
January	2015	72	71	164	112	202	620	26	584	36	
February	2015	69	67	142	108	180	565	24	518	47	
March	2015	81	80	192	178	217	747	31	681	66	
April	2015	79	77	164	168	216	704	30	640	64	
May	2015	78	77	169	159	233	717	30	653	64	
June	2015	78	76	134	139	229	656	28	593	63	
July	2015	58	63	102	96	226	544	23	492	52	
August	2015	68	68	158	169	239	701	29	647	54	
September	2015	58	58	147	142	221	624	26	578	46	
Total of FY 2015							7914	332.5262605	7311	604	

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

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

DATE	Site Staff Job Days **																							Man-days*							
	Management				Engineers								Skilled labor				Unskilled labor		Other							Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	
	Task Order Manager	Quality Control Manager	Safety & Environmental Manager	Project Manager #1, L2, etc.	Document Control Engineer (P)	Document Control Engineer	Civil Engineer (P)	Office Engineer	Site Engineer	Superintendent	Skilled Labor	Foreman	Equipment Operator	Plumber	Unskilled Labor	Guard/Security	Janitor (P)	Janitor	Document Control Officer	Surveyor	Surveyor Assistant	CVT	Geological	Driver	Supervisor						AC Technician
September 1, 2015	4	4	4	8	4		4	4	8	8	16	8	9		48	40	8	8	4	4				2			2.5	2.5	5.125	6	8.25
September 2, 2015	4	4	4	8	4		4	4	8	8	16	8	8		48	40	8	8	4	4							2.5	2.5	5	6	8
September 3, 2015	4	4	4	8	4		4	4	8	8	16	8	11		48	40	8	8	4	4							2.5	2.5	4.375	6	8
September 4, 2015															40												0	0	0	0	5
September 5, 2015	4	4	4	8	4		4	4	8	8		8	10		32	40	8	8	4	4							2.5	2.5	5.25	4	8
September 6, 2015	4	4	4	8	4		4	4	8	8	14	8	11		48	40	8	8	4	4				3			2.5	2.5	5.125	6	8.375
September 7, 2015	4	4	4	8	4		4	4	8	8	14	8	4		64	40	8	8	4	4							2.5	2.5	4.25	8	8
September 8, 2015	4	4	4	8	4		4	4	8	8	24	8	7		56	40	8	8	4	4				3			2.5	2.5	5.875	7	8.375
September 9, 2015	4	4	4	8	4		4	4	8	8	24	8	0		72	40	8	8	4	4							2.5	2.5	5	9	8
September 10, 2015	4	4	4	8	4		4	4	8	8	40	8	0		80	40	8	8	4	4							2.5	2.5	7	10	8
September 11, 2015															2	40											0	0	0	0.25	5
September 12, 2015	4	4	4	8	4		4	4	8	8	40	8	3		48	40	8	8	4	4							2.5	2.5	7.375	6	8
September 13, 2015	4	4	4	8	4		4	4	8	8	8	8	5		40	40	8	8	4	4				2			2.5	2.5	3.625	5	8.25
September 14, 2015	4	4	4	8	4		4	4	8	8	24	8	0		72	40	8	8	4	4				0			2.5	2.5	5	9	8
September 15, 2015	4	4	4	8	4		4	4	8	8	48	8			72	40	8	8	4	4							2.5	2.5	8	9	8
September 16, 2015	4	4	4	8	4		4	4	8	8	72	8	0		80	40	8	8	4	4							2.5	2.5	11	10	8
September 17, 2015	4	4	4	8	4		4	4	8	8	8	8			40	40	8	8	4	4							2.5	2.5	3	5	8
September 18, 2015															40												0	0	0	0	5
September 19, 2015	4	4	4	8	4		4	4	8	8	64	8	6		48	40	8	8	4	4							2.5	2.5	10.75	6	8
September 20, 2015	4	4	4	8	4		4	4	8	8	24	8	14		40	40	8	8	4	4							2.5	2.5	6.75	5	8
September 21, 2015	4	4	4	8	4		4	4	8	8	48	8	9		56	40	8	8	4	4							2.5	2.5	9.125	7	8
September 22, 2015	4	4	4	8	4		4	4	8	8	48	8	1		32	40	8	8	4	4							2.5	2.5	8.125	4	8
September 23, 2015															40												0	0	0	0	5
September 24, 2015															40												0	0	0	0	5
September 25, 2015															40												0	0	0	0	5
September 26, 2015															40												0	0	0	0	5
September 27, 2015	4	4	4	8	4		4	4	8	8	16	8			8	40	8	8	4	4							2.5	2.5	4	1	8
September 28, 2015	4	4	4	8	4		4	4	8	8	24	8	2		40	40	8	8	4	4							2.5	2.5	5.25	5	8
September 29, 2015	4	4	4	8	4		4	4	8	8	48	16	2		24	40	8	8	4	4							2.5	2.5	9.25	3	8
September 30, 2015	4	4	4	8	4		4	4	8	8	56	16	2		40	40	8	8	4	4				3			2.5	2.5	10.25	5	8.375
Total of Month	92	92	92	184	92	0	92	92	184	184	684	200	104	0	1138	1200	184	184	92	92	0	0	0	13	0	0	57.5	57.5	146.5	142.25	220.625

ARW 22.10 Risk Register Log

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RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such as 10" pipe and/or the buried electric cables	Delay in work, water shortage , electric shortage, injuries	Contractor	19th of March, 2014	2	2	4	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The 10" pipe will be supported by steel supporting jacks to avoid bending and breaking during pumping process.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel injuries (electric shock).	Contractor	1st of Dec, 2013	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	External	Delay in procurement of long lead electrical equipment (VFDs)	Procurement of electrical equipment (VFDs) encountered an unexpected delay due to some damages observed on the outside casing of equipment. this occurred during shipping of equipment from the source to destination..	Delay in commissioning date of the project	Contractor	Sep. 2015	3	3	9	NO	Yes	Mitigate	VFDs have been returned to the manufacturer. Contractor is following closely with the manufacturer to accelerate replacement of equipment in the shortest time.	IRD	Existing	
4	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel injuries.	Contractor	27th of December, 2014	2	2	4	No	No	Accept	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Existing	
5	External	Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric metering system..	As per design requirements the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations , hence, unforeseen problems.	1. Delay in operation, testing and commissioning. 2. Insufficient power supply that will cause intermittent operation due to voltage fluctuations which possible will affect equipment negatively.	Contractor	18th of February, 2015	3	3	9	No	Yes	Transfer	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February, 2014. Since early of June, 2014 till now, the contractor is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.	IRD	Existing	
6	Contractor	Filling the balance tank with water for the leakage test and handling such a big quantity of water.	The danger lies in the large amount of water used in the leakage test	Environmental impact, such as flooding, to the nearby private property.	Contractor	February, 2015	2	2	4	Yes	Yes	Mitigate	The contractor installed appropriate drainage system. So, discharged water will go to the wadi. On the other hand, the contractor took in his consideration to have land owners permission to discharge the water in the lands around the project for irrigation.	IRD	Closed	
7	Contractor	Leakage test of the Balance Tank.	Due to the unknown result of the leakage test that may cause delay in progress.	Delay in progress	Contractor	February, 2015	2	2	4	Yes	Yes	Mitigate	The contractor will take all precautions to pass the test requirements in the shortest possible time to avoid any delay in progress.	IRD	Closed	
8	Contractor	Excavations for underground yard piping, duct banks and manholes..	The depth of underground yard piping excavation exceeds 2m and exposure to fall of personnel during work is an existing hazard.	Personnel injury.	Contractor	April, 2015	1	1	1	No	No	Mitigate	Concrete barriers had been installed all around excavation area to prevent falling of personnel. Extra care will be taken during construction. Tool box meetings are conducted regularly.	IRD	Existing	
9	Construction	Installation of booster pumps 1 & 2	The risk may appear during lifting of the booster pump set by the crane and installing it inside the barrel, the set could fall and got damaged or defected.	Pump damage/defect	Contractor	Sep-15	2	2	4	Yes	Yes	Mitigate	Using strong chains and properly fastening them to the lifting ears of pumping set. - lifting and moving the equipment slowly and carefully. - Lowing the set slowly in the barrel, making sure that it is centered and aligned with barrel opening.	IRD	Closed	

CONSTRUCTION MONTHLY PROGRESS REPORT- ATTACHMENTS

Reporting Period:

September 01 - September 30, 2015

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 Look Ahead

01-Oct-15

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q					
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RFTOP WATER-294-13-00018 WELL REHABILITATION & IMPROVEMENTS																						
Milestones																						
Submittals																						
Construction Submittals																						
Material Submittals																						
Civil																						
Building Works																						
CS780	Prep.&Submit Flush Wood Doors - Sample	7	01-Oct-15	01-Oct-15	21-Jan-15		-22															
Mechanical																						
Local Manufacturer																						
CS689	Approval of Klitchen Equipment - Product Data	0		01-Oct-15			11															
CS787	Prep.&Submit Vibration Isolator for Equipments (Vibration Material for Concrete Base)	5	01-Oct-15	01-Oct-15	01-Jul-15		-21															
Abroad Manufacturer (Long Lead Items)																						
CS557	Prep.&Submit Special Tools As Per Specs	10	01-Oct-15	01-Oct-15	20-Jul-15		-21															
Electrical																						
Abroad Manufacturer (Long Lead Items) (AKRAM SALAH - IC Systems Ltd)																						
CS1375	Prep.&Submit Control Panel Instrumentation - Product Data&Certificates (Remaining Items)	5	01-Oct-15	01-Oct-15	15-Jul-15		-21															
CS1395	Prep.&Submit Spare Parts and Extra Material Based on Sec 17100	1	01-Oct-15	01-Oct-15	01-Aug-15		-20															
Local Manufacturer																						
CS1255	Approval of Lightning Protection System - Product Data	0		01-Oct-15			-3															
Methods Statement & Work Plans																						
Civil																						
CS1402	Approval of Control Valves Manufacturer's Services,Inspection,Start Up&Training	0		20-Oct-15			-9															
Electrical																						
CS738	Prep.&Submit Short Circuit Study Final	7	01-Oct-15	05-Oct-15	15-Aug-15		-12															
Procurement																						
Mechanical, Electrical Equipments&Instrumentation,...etc- for Arrabeh Well																						
Material Order, Manufacture & Delivery																						
Electrical Equipment																						
P1-PRO1560	Instrumentation Equipment	75	01-Oct-15	02-Oct-15	18-Dec-14		-12															
P1-PRO1570	Motor Control Center - MCC & Vertical Electrical Motor	74	01-Oct-15	04-Oct-15	01-Mar-15		-3															
P1-PRO1580	Variable Frequency Drive (VFD)&Spare Parts	82	01-Oct-15	17-Oct-15	02-Feb-15		-19															
P1-PRO1600	Transformers (33kv/400 V, 1500 KVA)	120	01-Oct-15	12-Oct-15	02-Apr-15		3															
P1-PRO1610	Electrical Panels	60	01-Oct-15	06-Oct-15	01-Jun-15		9															
Mechanical, Electrical Equipments&Instrumentation,...etc for Sanur Well																						
Material Order, Manufacture & Delivery																						
Electrical Equipment																						
P2-PRO440	Variable Frequency Drive (VFD)&Spare Parts	82	01-Oct-15	17-Oct-15	02-Feb-15		-34															
P2-PRO460	Transformers (33kv/400 V, 1500 KVA)	120	01-Oct-15	12-Oct-15	02-Apr-15		-7															
P2-PRO470	Electrical Panels	60	01-Oct-15	06-Oct-15	01-Jun-15		-8															
P2-PRO500	Instrumentation Equipment	75	01-Oct-15	02-Oct-15	18-Dec-14		-10															
Steel Pipes,Fittings& Valves																						
Material Order & Manufacture																						
Valves																						
PRO200	2nd Order & Manufacture of Valves (IL)	81	01-Oct-15	02-Oct-15	04-Dec-14		58															
Material Delivery																						
Valves																						
PRO220	Delivery of 2nd Order of Valves	12	01-Oct-15	01-Oct-15	15-Dec-14		59															
Arrabah Additional Booster Pumps and VFD VO6																						
PRO240	Order, Manufacture, & Delivery of VFDs	156	01-Oct-15	24-Oct-15	12-May-15		-10															

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



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

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Actual Start	Actual Finish	Total Float	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q																		
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
Metal Fabricated Works																																				
P2-BT-580	Supply And Install Roof Air Vents	5	01-Oct-15	04-Oct-15	01-Mar-15		61																												Sup	
Mechanical Works																																				
P2-BT-M-070	Installation Of Inlet&Outlet Pipes - VO8	6	01-Oct-15	03-Oct-15	23-Oct-14		-1																												Insta	
P2-BT-M-080	Installation Of Wash Out&Over Flow - VO8	6	01-Oct-15	03-Oct-15	01-Sep-14		62																												Insta	
P2-BT-M-090	Installation Of Stainless Steel Wall Insertion	6	01-Oct-15	03-Oct-15	01-Sep-14		62																												Insta	
P2-BT-M-100	Installation Of Stainless Steel Piping&Hose Bibs Installation	6	01-Oct-15	03-Oct-15	23-Oct-14		62																												Insta	
P2-BT-M-110	Supply &Installation of Inlet & Outlet Fittings	6	01-Oct-15	03-Oct-15	23-Oct-14		62																												Sup	
P2-BT-M-120	Supply &Installation of W.O & Overflow Fittings	6	01-Oct-15	03-Oct-15	01-Sep-14		62																												Sup	
Electrical & Instrumentation Works																																				
P2-BT-E-070	Cables & Electricity Supply & Installation	5	03-Oct-15	08-Oct-15			-1																													
P2-BT-E-080	Electrical Manhole&Panels	7	01-Oct-15	05-Oct-15	18-Oct-14		-1																												Elec	
P2-BT-E-090	Electrical Panels	3	05-Oct-15	08-Oct-15			-1																													
P2-BT-E-100	Lightning Protection System - VO8	10	01-Oct-15	04-Oct-15	18-Oct-14		61																												Light	
P2-BT-E-110	Process Control & Instrumentation	7	01-Oct-15	04-Oct-15	18-Oct-14		61																												Pro	
Test Water Tightness For Reservoir																																				
P2-BT-M-130	Testing,Disinfection & Start Up 2nd Stage	14	01-Oct-15	08-Oct-15	29-Apr-15		12																												Tes	
Booster Pump System																																				
Steel Structure & Metal Works																																				
P2-BP-200	Furnish & Install Structural Steel	20	01-Oct-15	03-Oct-15	20-Apr-15		62																												Furr	
P2-BP-205	Furnish & Install Roofing Including Roof Hatches	20	01-Oct-15	03-Oct-15	20-Apr-15		-16																												Furr	
P2-BP-210	Furnish & Install Grating, Plates, embeds, Ladders,..etc.	20	04-Oct-15	26-Oct-15			-16																													
Mechanical Works																																				
P2-BP-M-070	Furnish & Install of Utility Piping Under 50mm Including Pipe Supports & Valves	16	01-Oct-15	03-Oct-15	30-Apr-15		62																												Furr	
P2-BP-M-080	Furnish & Install Complete Transmission System Pumps	20	01-Oct-15	01-Oct-15	11-Feb-15		63																												Furr	
P2-BP-M-090	Furnish & Install Duty/Motive Pumps,&Hydro Pneumatic Tank (Bladder Tank)	10	01-Oct-15	01-Oct-15	19-Aug-15		-2																												Furr	
P2-BP-M-100	Furnish & Install Sump Pump	5	07-Oct-15	12-Oct-15			-19																													
P2-BP-M-110	Furnish Portable Air Compressor	10	07-Oct-15	18-Oct-15			-19																													
P2-BP-M-120	Furnish & Install Suction Barrel for Future Pump	10	07-Oct-15	18-Oct-15			-19																													
P2-BP-M-130	Furnish & Install Isolation valves and Flow Meter on Discharge Piping	10	19-Oct-15	29-Oct-15			-19																													
P2-BP-M-140	Furnish & Install of Utility Piping above 50mm Including Pipe Supports & Valves	10	01-Oct-15	06-Oct-15	30-Apr-15		-19																												Furr	
P2-BP-M-150	Furnish & Install Isolation Valves 80mm	10	07-Oct-15	18-Oct-15			-19																													
P2-BP-M-160	Furnish & Install Booster-Pump Control Valve	10	01-Oct-15	06-Oct-15	29-May-15		-14																												Furr	
P2-BP-M-170	Furnish & Install Control Valves (Back Pressure Valve)	10	01-Oct-15	06-Oct-15	29-May-15		-19																												Furr	
P2-BP-M-180	Furnish & Install Orifice Plates	7	07-Oct-15	14-Oct-15			-19																													
P2-BP-M-190	Furnish & Install Transmission System Hydro Pneumatic Tank (Bladder Tank) System	20	01-Oct-15	01-Oct-15	04-May-15		-11																												Furr	
P2-BP-M-200	Clean & Pressure Test Process Piping under 50mm	7	01-Oct-15	08-Oct-15			-11																													
P2-BP-M-210	Clean & Prssure Test Process Piping above 80mm	10	10-Oct-15	20-Oct-15			-11																													
Electrical & Instrumentation Works																																				
P2-BP-E-50	Furnish & Installation of Earthing,Ductbanks&Raceway	9	01-Oct-15	03-Oct-15	01-Jun-15		62																												Furr	
P2-BP-E-60	Furnish & Installation and Termination of Transmission Pump Power ..etc	10	01-Oct-15	04-Oct-15	19-Aug-15		-20																												Furr	
P2-BP-E-70	Furnish & Installation and Termination of Duty/Motive Pump Power ..etc	10	01-Oct-15	12-Oct-15			-20																													
P2-BP-E-80	Furnish, Installation and Termination of Miscellaneous Powe..etc	6	13-Oct-15	19-Oct-15			-20																													
P2-BP-E-90	Furnish & Install Lightning Protection,Recepticles&Process Control Instrumentation - VO8	20	01-Oct-15	19-Oct-15	01-Jun-15		-2																												Fu	
P2-BP-E-95	Supply&Install New Lightning Protection System On Booster Room Shade - VO8	5	01-Oct-15	06-Oct-15			1																												Sup	
Coatings & Finishing Works																																				
P2-BP-220	Furnish & Apply all Coatings	14	05-Oct-15	21-Oct-15			-9																													
Septic & Seepage Tank																																				
Civil & Structural Works																																				
P2-SS-391	Furnish&Install Hatches, Ladders, Grating,etc.	7	01-Oct-15	05-Oct-15	12-May-15		60																												Furr	
Finishing Works																																				
P2-SS-400	Furnish & Install all Coatings	7	01-Oct-15	05-Oct-15	15-Apr-15		-9																												Furr	
Electrical & Control Building																																				
Finishing Works																																				

SNW 22.2 “S” Curve

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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.57
Revised Total Contract Value Less Day Work VOB#:	\$6,321,524.84
Revised Total Contract Value Less Day Work VOB#:	\$6,321,524.84
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	550 CD
Revised Contract Duration VOB#:	577 CD
Revised Contract Duration VOB#:	549 CD
Completion Date:	25-Apr-15
Revised Completion Date VOB#:	22-May-15
Revised Completion Date VOB#:	10-Nov-15
Data Date:	1-Sep-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.90
Original Total Contract Value without Day Work for Project 2 (Sanur):	\$7,011,251.90
Revised Total Contract Value Less Day Work as per VO #4:	\$7,187,188.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,623.84
Revised Total Contract Value Less Day Work as per VO #6:	\$7,144,945.96
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
Revised Duration of Contract as per VO #6:	603 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732CD
Revised Completion Date as per VO #8:	28-Oct-15
Data Date:	1-Sep-15

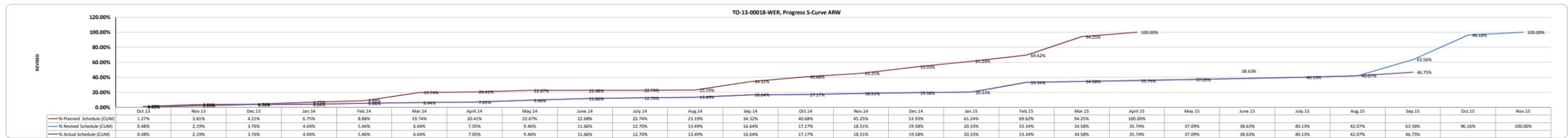
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$493,635.00
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:	15-Feb-14
Revised Duration of Contract as per VO #2:	140 CD
Revised Completion Date as per VO #2:	11-Mar-14
Data Date:	12-May-15

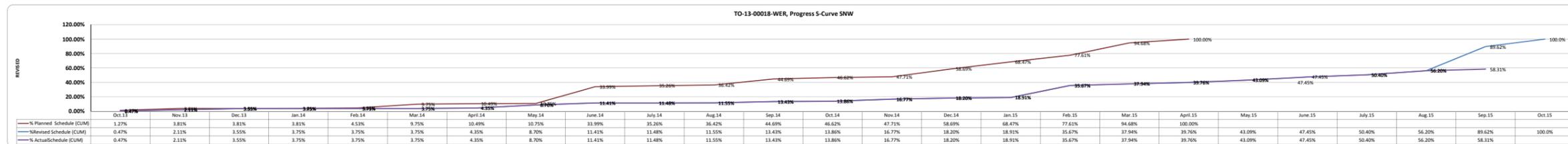
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,904,555.82
Day Work Value:	\$671,393.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value without Day Work for Task Order (VO #4):	\$13,904,555.82
Revised Day Work Amount (VO #4):	\$671,393.00
Total Contract Value Less Day Work VOB#:	\$13,609,882.50
Day Work Value VOB#:	\$1,061,673.50
Total Contract Value Including Day Work VOB#:	\$14,721,856.00
Total Contract Value Less Day Work VOB#:	\$13,609,882.00
Day Work Value VOB#:	\$823,017.96
Total Contract Value Including Day Work VOB#:	\$14,721,856.00

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	April-14	May-14	June-14	July-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	April-15	May-15	June-15	July-15	Aug-15	Sep-15	Oct-15	Nov-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	\$29,457.90	\$725,813.31	\$414,044.16	\$297,923.42	\$565,835.48	\$476,014.65	\$546,154.18	\$1,605,620.26	\$674,510.68											\$6,516,970.57
Revised Schedule Value (CUM)	\$72,410.79	\$138,265.55	\$367,626.28	\$760,860.11	\$1,286,213.66	\$1,388,951.45	\$1,377,861.99	\$1,524,241.22	\$1,640,561.44	\$1,705,086.54	\$1,889,339.32	\$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											\$6,321,524.84
% Planned Schedule (CUM)	0.48%	2.19%	3.76%	4.04%	5.46%	6.44%	7.05%	7.05%	7.05%	7.05%	7.05%	11.66%	12.70%	13.49%	16.64%	17.17%	18.51%	19.58%	20.33%	33.34%	34.58%	35.74%	37.09%	38.63%	40.13%	42.07%	46.75%	100.00%		
% Revised Schedule (CUM)	0.48%	2.19%	3.76%	4.04%	5.46%	6.44%	7.05%	7.05%	7.05%	7.05%	11.66%	12.70%	13.49%	16.64%	17.17%	18.51%	19.58%	20.33%	33.34%	34.58%	35.74%	37.09%	38.63%	40.13%	42.07%	46.75%	100.00%	100.00%		



	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	April-14	May-14	June-14	July-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	April-15	May-15	June-15	July-15	Aug-15	Sep-15	Oct-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	\$580,138.08	\$134,972.72	\$76,571.56	\$769,741.05	\$685,807.25	\$641,052.45	\$1,196,820.69	\$372,677.69									\$7,011,251.90	
Revised Schedule Value (CUM)	\$77,802.79	\$267,096.28	\$281,408.05	\$315,880.76	\$375,724.65	\$725,517.34	\$43,146.71	\$310,442.22	\$319,149.42	\$5,160.69	\$1,763,611.80	\$2,640,559.21	\$3,021,324.71	\$3,702,761.95	\$6,261,074.86	\$6,527,630.28	\$6,689,899.51	\$6,908,943.42	\$7,011,251.95										\$6,321,524.84
% Planned Schedule (CUM)	1.27%	3.81%	3.81%	3.81%	4.53%	8.07%	0.74%	0.26%	23.24%	1.26%	1.66%	8.27%	1.93%	1.09%	10.98%	9.78%	9.14%	17.07%	5.32%										100.00%
% Revised Schedule (CUM)	0.47%	2.11%	3.55%	3.75%	4.35%	5.14%	3.75%	4.35%	4.35%	4.35%	11.41%	11.48%	11.55%	13.43%	18.20%	18.91%	18.91%	18.91%	33.33%	33.33%	33.33%	33.33%	33.33%	33.33%	33.33%	33.33%	33.33%	100.00%	



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

PROJECT 1 Arrabeh Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$6,516,970.57
Original Total Contract Value Less Day Work:	\$6,516,970.00
Revised Total Contract Value Less Day Work VO#:	\$6,321,524.84
Revised Total Contract Value Less Day Work VO#:	\$6,377,588.16
NTP (Notice to Proceed):	23-Oct-13
Duration of Contract:	550 CD
Revised Contract Duration VO#:	577 CD
Revised Contract Duration VO#:	549 CD
Completion Date:	25-Apr-15
Revised Completion Date VO#:	22-May-15
Revised Completion Date VO#:	10-Nov-15
Data Date:	1-Sep-15

PROJECT 2 Sanur Well Pump Station - Rehabilitation and Infrastructure Improvements

USD	
Original Total Contract Value Less Day Work:	\$7,011,251.38
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:	\$7,187,188.84
Revised Total Contract Value Less Day Work as per VO #6:	\$6,962,823.84
Revised Total Contract Value Less Day Work as per VO #8:	\$7,144,945.96
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
Revised Duration of Contract as per VO #6:	609 CD
Revised Completion Date as per VO #6:	15-Sep-15
Revised Duration of Contract as per VO #8:	732CD
Revised Completion Date as per VO #8:	28-Oct-15
Data Date:	1-Sep-15

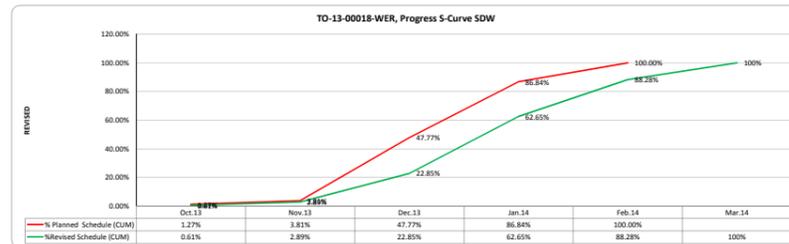
PROJECT 3 Saadeh Well Pump Station - Rehabilitation

USD	
Original Total Contract Value Less Day Work:	\$489,634.98
Original Total Contract Value without Day Work for Project 3 (Saadeh):	\$489,635.00
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-May-14
Data Date:	12-May-15

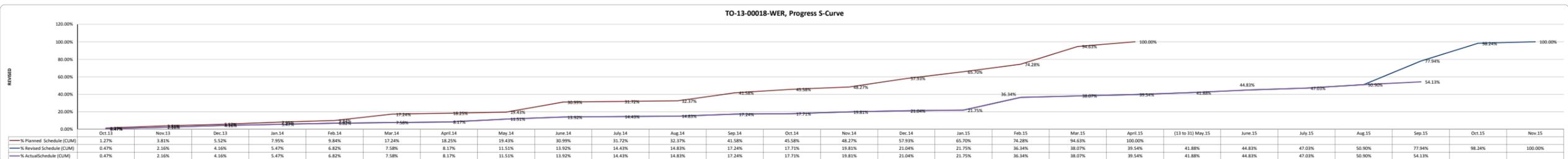
TASK ORDER (PROJECT 1, PROJECT 2 & PROJECT 3)

USD	
Total Contract Value Less Day Work:	\$14,021,856.91
Day Work Value:	\$700,000.00
Total Contract Value Including Day Work:	\$14,721,856.91
Revised Total Contract Value Less Day Work:	\$13,304,556.73
Day Work Value as per VO #3:	\$817,300.18
Revised Total Contract Value Less Day Work as per VO #8:	\$14,050,462.86
Day Work Value:	\$671,394.05
Total Contract Value Including Day Work:	\$14,721,856.91

	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	TOTAL
Planned Schedule Value	\$2,268.38	\$12,138.76	\$216,382.41	\$192,873.25	\$64,074.18	\$493,434.98	\$493,434.98
Planned Schedule Value (CUM)	\$2,268.38	\$14,407.14	\$218,650.55	\$411,523.80	\$475,597.98	\$969,032.96	\$969,032.96
Revised Schedule Value	\$2,309.40	\$8,577.79	\$75,122.68	\$149,777.68	\$96,436.62	\$444,110.65	\$376,334.82
Revised Schedule Value (CUM)	\$2,309.40	\$10,887.19	\$86,009.87	\$235,787.55	\$332,224.17	\$376,334.82	\$376,334.82
% Planned Schedule (CUM)	1.27%	2.54%	43.96%	39.07%	13.10%	100%	100%
% Revised Schedule (CUM)	1.27%	3.81%	47.77%	86.84%	100.00%	100%	100%
% Revised Schedule (CUM)	0.61%	2.28%	19.96%	39.80%	25.63%	11.72%	100%
% Revised Schedule (CUM)	0.61%	2.89%	22.85%	62.65%	88.28%	100%	100%



	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	(13 to 31) May.15	June.15	July.15	Aug.15	Sep.15	Oct.15	Nov.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	\$1,355,243.85	\$1,089,356.97	\$1,293,071.89	\$2,853,307.27	\$752,921.71									\$14,021,856.90
Planned Schedule Value (CUM)	\$178,055.32	\$534,166.97	\$773,698.60	\$1,114,562.36	\$1,380,192.77	\$2,416,762.65	\$2,558,827.63	\$2,724,614.81	\$4,345,722.46	\$4,447,248.81	\$4,538,512.14	\$5,829,720.00	\$6,390,857.67	\$6,767,956.43	\$8,123,199.28	\$9,212,443.25	\$10,505,515.14	\$13,358,822.41	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,111,744.12	\$14,021,856.90	
Revised Schedule Value	\$65,599.25	\$234,612.99	\$278,325.90	\$182,267.20	\$186,694.01	\$1,066,550.45	\$81,860.67	\$464,304.94	\$333,861.32	\$72,014.74	\$54,773.50	\$335,898.68	\$64,623.65	\$292,569.32	\$170,907.16	\$98,822.64	\$2,026,883.47	\$241,058.49	\$204,110.62	\$326,411.44	\$410,017.78	\$306,079.33	\$538,390.88	\$3,758,434.88	\$2,820,578.42	\$245,186.31	\$13,898,838.04	
Revised Schedule Value (CUM)	\$65,599.25	\$300,212.24	\$578,538.14	\$760,805.34	\$947,499.35	\$1,054,049.80	\$1,135,910.47	\$1,600,215.41	\$1,934,076.73	\$2,006,091.47	\$2,060,864.97	\$2,396,763.65	\$2,461,387.30	\$2,753,956.62	\$2,924,863.78	\$3,023,686.42	\$5,050,569.89	\$5,291,628.38	\$5,495,738.80	\$5,822,150.44	\$6,232,168.22	\$6,538,247.55	\$7,076,638.43	\$10,833,073.31	\$13,653,511.73	\$13,898,838.04	\$13,898,838.04	
Actual Schedule Value																												\$448,642.07
Actual Schedule Value (CUM)																												\$7,523,280.50
% Planned Schedule (CUM)	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%									100.00%
% Revised Schedule (CUM)	1.27%	3.81%	5.52%	7.95%	9.84%	17.24%	18.25%	19.43%	30.99%	32.37%	41.58%	45.58%	48.27%	57.93%	65.70%	74.28%	94.63%	100.00%	100.00%									100.00%
% Revised Schedule (CUM)	0.47%	1.89%	1.31%	1.31%	1.34%	0.77%	0.59%	0.52%	3.34%	2.40%	0.39%	2.42%	0.46%	2.10%	1.23%	0.71%	14.58%	1.73%	1.47%	2.33%	2.95%	2.20%	3.87%	27.04%	20.29%	1.76%	100.00%	
% Revised Schedule (CUM)	0.47%	2.16%	4.16%	5.47%	6.82%	7.58%	8.17%	11.51%	13.92%	14.43%	14.83%	17.24%	17.71%	19.81%	21.04%	21.75%	36.34%	38.07%	39.54%	41.88%	44.83%	47.03%	50.90%	50.90%	54.11%	77.94%	98.24%	100.00%
% Actual Schedule (CUM)																												3.23%
% Actual Schedule (CUM)																												54.13%



SNW 22.3 Site Memos Log

DISCLAIMER:

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

Site Memoranda From Engineer To Contractor (SM)

Number	Description/Subject	Date Received	Response Date	Comments
SM-13-00018-SNW-E-C-028	Sildewalk and Soil Erosion Concrete Slab's Surface	September 1, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-029	PVC Insulation Membrane Installation Quality	September 1, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-030	Damages of the Retaining Wall at Sanur	September 6, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-031	Installation of Lighting Fixture for Buildings at Sanur Well	September 13, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-032	Painting of Buildings' External Walls at Sanur Well	September 13, 2015		SM is referred to SNW Project
SM-13-00018-SNW-E-C-033	Safety Violations at Sanur Well	September 14, 2015		SM is referred to SNW Project
SM-13-00018-WER-E-C-034	Repairing and Rehabilitating the Existing Pumps and Motors at Arraba and Sanur wells	September 20, 2015		SM is referred to SNW & ARW Projects

SNW 22.4 Material & Equipment Delivered to Site Log

DISCLAIMER:

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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	September 1, 2015	Base Course	20 m ³	Sanur Well
2	September 2, 2015	Base Course	20 m ³	Sanur Well
3		Concrete B350	4 m ³	Sanur Well
4	September 3, 2015	Single Size	40 m ³	Sanur Well
5	September 4, 2015	None	-	-
6	September 5, 2015	Concrete B350	5 m ³	Sanur Well
7		Concrete B210	7 m ³	Sanur Well
8	September 6, 2015	Base Course	20 m ³	Sanur Well
9	September 7, 2015	Base Course	40 m ³	Sanur Well
10	September 8, 2015	None	-	-
11	September 9, 2015	33 KV Switchgear	2 Pcs	Sanur Well
12		MCC Panel	1 Set	Sanur Well
13		MTS Panel	1 Pc	Sanur Well
14		PLC Panel	1 Pc	Sanur Well
15	September 10, 2015	None	-	-
16	September 11, 2015	None	-	-
17	September 12, 2015	None	-	-
18	September 13, 2015	None	-	-
19	September 14, 2015	Concrete B350	2.5 m ³	Sanur Well
20	September 15, 2015	None	-	-
21	September 16, 2015	None	-	-
22	September 17, 2015	None	-	-
23	September 18, 2015	None	-	-
24	September 19, 2015	None	-	-
25	September 20, 2015	None	-	-
26	September 21, 2015	Booster Shed	1 Unit	Sanur well
27	September 22, 2015	None	-	-
28	September 23, 2015	None	-	-
29	September 24, 2015	None	-	-
30	September 25, 2015	None	-	-
31	September 26, 2015	None	-	-
32	September 27, 2015	None	-	-
33	September 28, 2015	Single Size Aggregate	20 m ³	Sanur Well
34	September 29, 2015	None	-	-
35	September 30, 2015	None	-	-

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

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
37	September 6, 2015	JCB Back Hole-1993-1	1	8	
38		Steel Compactor	1	8	
39		Mitsubishi L200-2007	1	8	
40		Diesel Generator			1
41		Crane	1	4	
42		Level	1	1	
43		Total Station			1
44		Concrete Vibrator	1	3	1
45		Bobcat	1	2	
46	September 7, 2015	JCB Back Hole-1993-1	1	8	
47		Steel Compactor	1	8	
48		Mitsubishi L200-2007	1	8	
49		Diesel Generator			1
50		Crane	1	8	
51		Level	1	1	
52		Total Station			1
53		Concrete Vibrator			1
54		Bobcat	1	8	
55	September 8, 2015	JCB Back Hole-1993-1	1	8	
56		Steel Compactor	1	8	
57		Mitsubishi L200-2007	1	8	
58		Diesel Generator			1
59		Level	1	1	
60		Total Station			1
61		Concrete Vibrator			1
62	September 9, 2015	JCB Back Hole-1993-1	1	8	
63		Steel Compactor			
64		Mitsubishi L200-2007	1	8	
65		Diesel Generator			1
66		Level	1	1	
67		Total Station			1
68	Concrete Vibrator			1	
69	September 10, 2015	JCB Back Hole-1993-1	1	8	
70		Steel Compactor			
71		Mitsubishi L200-2007	1	8	
72		Diesel Generator			1
73		Level			1
74		Total Station			1
75		Concrete Vibrator			1
76	September 11, 2015	JCB Back Hole-1993-1			1
77		Steel Compactor			1
78		Mercedes 416-2002			1
79		Bobcat			1
80		Level			1
81		Total Station			1
82	Concrete Vibrator			1	

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
83	September 12, 2015	JCB Back Hole-1993-1			1
84		Steel Compactor			1
85		Mitsubishi L200-2007	1	8	
86		Diesel Generator			1
87		Level			1
88		Total Station			1
89		Concrete Vibrator			1
90		Crane	1	3	
91	September 13, 2015	JCB Back Hole-1993-1			1
92		Steel Compactor			1
93		Mitsubishi L200-2007	1	8	
94		Diesel Generator			1
95		Level			1
96		Total Station			1
97		Concrete Vibrator			1
98		Crane			1
99	September 14, 2015	JCB Back Hole-1993-1			1
100		Steel Compactor			1
101		Mitsubishi L200-2007	1	8	
102		Diesel Generator			1
103		Level			1
104		Total Station			1
105		Concrete Vibrator			1
106		Crane			1
107	September 15, 2015	JCB Back Hole-1993-1	1	4	
108		Steel Compactor	1	2	
109		Mitsubishi L200-2007	1	8	
110		Diesel Generator			1
111		Level			1
112		Total Station			1
113		Concrete Vibrator			1
114	September 16, 2015	JCB Back Hole-1993-1	1	2	
115		Steel Compactor			1
116		Mitsubishi L200-2007	1	8	
117		Diesel Generator			1
118		Level			1
119		Total Station			1
120		Concrete Vibrator			1
121		Crane			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
122	September 17, 2015	JCB Back Hole-1993-1			1
123		Steel Compactor			1
124		Mitsubishi L200-2007	1	8	
125		Diesel Generator			1
126		Level			1
127		Total Station			1
128		Concrete Vibrator			1
129		Crane			1
130		September 18, 2015	JCB Back Hole-1993-1		
131	Steel Compactor				
132	Mitsubishi L200-2007		1	8	
133	Diesel Generator				1
134	Level				1
135	Total Station				1
136	Concrete Vibrator				1
137	Crane		1	2	
138	September 19, 2015		JCB Back Hole-1993-1	1	2
139		Steel Compactor			1
140		Mitsubishi L200-2007	1	8	
141		Diesel Generator			1
142		Level			1
143		Total Station			1
144		Concrete Vibrator			1
145		Crane			1
146		September 20, 2015	JCB Back Hole-1993-1		
147	Steel Compactor				1
148	Mitsubishi L200-2007		1	8	
149	Diesel Generator				1
150	Level				1
151	Total Station				1
152	Concrete Vibrator				1
153	Crane				1
154	September 21, 2015		JCB Back Hole-1993-1		
155		Steel Compactor			1
156		Mitsubishi L200-2007	1	8	
157		Diesel Generator			1
158		Level			1
159		Total Station			1
160		Concrete Vibrator			1
161		Crane			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
162	September 22, 2015	JCB Back Hole-1993-1	1	4	
163		Steel Compactor			1
164		Mitsubishi L200-2007	1	8	
165		Diesel Generator			1
166		Level			1
167		Total Station			1
168		Concrete Vibrator			1
169		Tractor	1	2	
170	September 23, 2015	JCB Back Hole-1993-1			1
171		Steel Compactor			1
172		Mitsubishi L200-2007			
173		Diesel Generator			1
174		Level			1
175		Total Station			1
176		Concrete Vibrator			1
177	September 24, 2015	JCB Back Hole-1993-1			1
178		Steel Compactor			1
179		Mitsubishi L200-2007			
180		Diesel Generator			1
181		Level			1
182		Total Station			1
183		Concrete Vibrator			1
184	September 25, 2015	JCB Back Hole-1993-1			1
185		Steel Compactor			1
186		Mitsubishi L200-2007			
187		Diesel Generator			1
188		Level			1
189		Total Station			1
190		Concrete Vibrator			1
191	September 26, 2015	JCB Back Hole-1993-1			1
192		Steel Compactor			1
193		Mitsubishi L200-2007			
194		Diesel Generator			1
195		Level			1
196		Total Station			1
197		Concrete Vibrator			1
198	September 27, 2015	JCB Back Hole-1993-1			1
199		Steel Compactor			1
200		Mitsubishi L200-2007	1	8	
201		Diesel Generator			1
202		Level			1
203		Total Station			1
204		Concrete Vibrator			1

No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
205	September 28, 2015	JCB Back Hole-1993-1	1	8	
206		Steel Compactor			1
207		Mitsubishi L200-2007	1	8	
208		Diesel Generator			1
209		Level	1	4	
210		Total Station			1
211		Concrete Vibrator			1
212		Tractor	1	4	
213	September 29, 2015	JCB Back Hole-1993-1	1	8	
214		Steel Compactor			1
215		Mitsubishi L200-2007	1	8	
216		Diesel Generator			1
217		Level	1	4	
218		Total Station			1
219		Concrete Vibrator			1
220		Bobcat	1	8	
222	September 30, 2015	Mercedes 416 -2002	1	8	
223		JCB Back Hole -1993	1	2	
224		Total Station			1
225		Tractor			1
226		Survey Level			1
227		Steel compactor			1
228		Concrete Vibrator			1

SNW 22.5 Inspection Requests Log

DISCLAIMER:

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

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	2nd Inspection	
						Response Date	Grade
IR-13-00018-WER-107-A	September 1, 2015	September 1, 2015	Inspecting Reinforced Concrete Pipe Culvert as per attached MRR	September 1, 2015	C		
IR-13-00018-WER-107-B	September 2, 2015	September 2, 2015	Inspecting Reinforced Concrete Pipe Culvert as per attached MRR	September 2, 2015	A		
IR-13-00018-WER-108-A	September 1, 2015	September 1, 2015	Inspecting Wiring Device as per attached MRR	September 1, 2015	A		
IR-13-00018-WER-109-A	September 7, 2015	September 7, 2015	Inspecting Deckguard FC as per attached MRR	September 7, 2015	A		
IR-13-00018-WER-110-A	September 8, 2015	September 8, 2015	Inspecting Gate Valves and Dismantling Joints as per attached MRR		Retracted on Sep. 8, 2015		
IR-13-00018-WER-110-A	September 13, 2015	September 13, 2015	Inspecting Gate Valves and Dismantling Joints as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-111-A	September 8, 2015	September 8, 2015	Inspecting AC Units as per attached MRR	September 8, 2015	C		
IR-13-00018-WER-112-A	September 8, 2015	September 9, 2015	Inspecting Nitocoat SN 522 as per attached MRR	September 9, 2015	A		
IR-13-00018-WER-113-A	September 13, 2015	September 13, 2015	Inspecting PVC Valves and Fittings as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-114-A	September 13, 2015	September 13, 2015	Inspecting Catch Basin Grill as per attached MRR	September 13, 2015	A		
IR-13-00018-WER-115-A	September 13, 2015	September 13, 2015	Inspecting Galvanized Steel Louvers for the chlorination building windows as per attached MRR.	September 13, 2015	A		
IR-13-00018-WER-116-A	September 14, 2015	September 14, 2015	Inspecting Medium Voltage Switch Gear and Accessories as per attached MRR.	September 14, 2015	A		
IR-13-00018-WER-117-A	September 14, 2015	September 14, 2015	Inspecting MTC, MCC, PLC Panel and Battery Charger as per attached MRR.	September 14, 2015	C		
IR-13-00018-WER-118-A	September 14, 2015	September 14, 2015	Inspecting Exit Sign and Accessories as per attached MRR	September 14, 2015	A		

No.	Request Date	Date Inspection Required	Description of Works Inspected	Response Date	Grade	Response Date	Grade
IR-13-00018-WER-119-A	September 21, 2015	September 21, 2015	Inspecting Solar Collecting System and Water Tank Stand as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-119-B	September 29, 2015	September 29, 2015	Inspecting Solar Collecting System and Water Tank Stand as per attached MRR.	September 29, 2015	A		
IR-13-00018-WER-120-A	September 21, 2015	September 21, 2015	Inspecting Butterfly Valve DN:300mm, Cl. 150 as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-121-A	September 21, 2015	September 21, 2015	Inspecting Ball & Check Valves as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-122-A	September 21, 2015	September 21, 2015	Inspecting Potable Water Tanks 1000L as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-123-A	September 21, 2015	September 21, 2015	Inspecting Tank Mounted Air Compressor as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-124-A	September 21, 2015	September 21, 2015	Inspecting Chlorine Storage Tank 500L Prominent as per attached MRR.	September 21, 2015	C		
IR-13-00018-WER-125-A	September 21, 2015	September 21, 2015	Inspecting Structural Shed Material as per attached MRR.	September 21, 2015	A		
IR-13-00018-WER-126-A	September 21, 2015	September 22, 2015	Inspecting Structural Shed Roof Access Hatches as per attached MRR.	September 22, 2015	A		
IR-13-00018-WER-127-A	September 28, 2015	September 28, 2015	Inspecting Street Light Lamps as per attached MRR.	September 28, 2015	C		
IR-13-00018-WER-128-A	September 28, 2015	September 28, 2015	Inspecting Gate Motor and Accessories as per attached MRR.	September 28, 2015	C		
IR-13-00018-WER-129-A	September 29, 2015	September 29, 2015	Inspecting UV Filter as per attached MRR.	September 29, 2015	A		
IR-13-00018-WER-130-A	September 29, 2015	September 29, 2015	Inspecting Wooden Kitchen Upper and Lower Cabinet as per attached MRR.	September 29, 2015	C		
IR-13-00018-WER-131-A	September 30, 2015	September 30, 2015	Inspection Compliance of Environmental Status with Contract Requirements for August 2015-Environmental Check List	September 30, 2015	A		

	Color	
		C: Amend-Resubmit
		Pending
		A: No Exceptions Noted

Inspection Requests Log

IRD/BV

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

Project: Wells Rehabilitation Project

Sender/ Recipient: IRD/BV

No.	Request Date	Date Inspection Required	Description of Works Inspected	1st Inspection		2nd Inspection	
				Response Date	Grade	Response Date	Grade
IR-13-00018-SNW-144-B	September 2, 2015	September 2, 2015	Inspecting Installation of HVAC Conduits and Sleeves in the Walls of Electrical Control Building	September 2, 2015	A		
IR-13-00018-SNW-255-B	September 2, 2015	September 2, 2015	Inspecting the alignment and levels of the installed and welded pipes of the booster area as per attached file	September 2, 2015	A		
IR-13-00018-SNW-408-A	September 1, 2015	September 1, 2015	Inspect the second coat (Blue coat) of both compartments of the BT.	September 1, 2015	C		
IR-13-00018-SNW-408-B	September 3, 2015	September 5, 2015	Inspect the second coat (Blue coat) of both compartments of the BT.	September 6, 2015	C		
IR-13-00018-SNW-408-C	September 6, 2015	September 6, 2015	Inspect the second coat (Blue coat) of both compartments of the BT.	September 6, 2015	A		
IR-13-00018-SNW-409-A	September 2, 2015	September 2, 2015	Inspect floor tiles of the I.Q building	September 2, 2015	C		
IR-13-00018-SNW-410-A	September 2, 2015	September 2, 2015	Inspect the second applied Emulsion paint for ceiling and internal walls of the EM & EC buildings		Retracted on Sep. 2, 2015		
IR-13-00018-SNW-411-A	September 2, 2015	September 2, 2015	Inspect the second applied Emulsion paint for ceiling the chlorination building (CS).	September 2, 2015	C		
IR-13-00018-SNW-411-B	September 3, 2015	September 3, 2015	Inspect the second applied Emulsion paint for ceiling the chlorination building (CS).	September 3, 2015	A		
IR-13-00018-SNW-412-A	September 3, 2015	September 3, 2015	Inspect the base course level (upstream 292.65, downstream 292.55) prior to spreading single size under the culvert.	September 3, 2015	A		
IR-13-00018-SNW-413-A	September 3, 2015	September 3, 2015	Inspect the single size level (upstream 292.80, downstream 292.70) under the culvert prior to culvert installation.	September 3, 2015	A		
IR-13-00018-SNW-414-A	September 3, 2015	September 3, 2015	Inspect the invert level of the upstream (292.95) and downstream (292.85) of the culvert prior applying the mortar pointing.	September 3, 2015	A		
IR-13-00018-SNW-415-A	September 3, 2015	September 3, 2015	Inspect the first epoxy paint of mechanical fabrications (spools, elbows, flanges, etc.).	September 3, 2015	A		
IR-13-00018-SNW-416-A	September 3, 2015	September 5, 2015	Inspect formwork and reinforcement steel of the Ramp Entrance Walls prior to casting concrete.	September 6, 2015	A		
IR-13-00018-SNW-417-A	September 7, 2015	September 7, 2015	Inspect the installation of floating valves inside the BT	September 7, 2015	C		
IR-13-00018-SNW-418-A	September 7, 2015	September 7, 2015	Inspecting Stainless Steel Grating for BT Pits as per attached MRR	September 7, 2015	A		
IR-13-00018-SNW-419-A	September 7, 2015	September 7, 2015	Inspect the installed stainless steel gratings inside the BT	September 7, 2015	A		
IR-13-00018-SNW-420-A	September 8, 2015	September 8, 2015	Inspecting Swing Gate as per attached MRR	September 8, 2015	A		
IR-13-00018-SNW-421-A	September 9, 2015	September 9, 2015	Inspect the single size level of the culvert downstream (292.60) for the purpose of the concrete wings construction	September 9, 2015	A		
IR-13-00018-SNW-422-A	September 9, 2015	September 9, 2015	Inspect the surface preparation of the external plastering of all the buildings (I.Q, EM, CS & EC) prior to applying the external paint.	September 9, 2015	C		
IR-13-00018-SNW-423-A	September 13, 2015	September 13, 2015	Inspect the surface preparation of the retaining wall prior to installing the fence.	September 13, 2015	C		
IR-13-00018-SNW-424-A	September 13, 2015	September 13, 2015	Inspect the surface preparation of the fence wall prior to installing the fence.	September 13, 2015	C		
IR-13-00018-SNW-425-A	September 13, 2015	September 13, 2015	Inspect the installed sliding gate.	September 13, 2015	C		
IR-13-00018-SNW-425-B	September 17, 2015	September 17, 2015	Inspect the installed sliding gate.	September 17, 2015	A		
IR-13-00018-SNW-426-A	September 14, 2015	September 14, 2015	Inspect the reinforcement steel of the culverts wings slab on grade prior to casting concrete.	September 14, 2015	A		
IR-13-00018-SNW-427-A	September 15, 2015	September 15, 2015	Inspect the location of the culvert upstream wings walls and slab on grade prior excavation works		Retracted on 9/15/2015		
IR-13-00018-SNW-427-A	September 15, 2015	September 16, 2015	Inspect the location of the culvert upstream wings walls and slab on grade prior excavation works		Retracted on 9/16/2015		
IR-13-00018-SNW-428-A	September 17, 2015	September 17, 2015	Inspecting safety arrangement and PPEs requirements to close SM-13-00018-SNW-E-C-033.	September 17, 2015	A		
IR-13-00018-SNW-429-A	September 22, 2015	September 22, 2015	Inspecting Sole Plate as per attached MRR.	September 22, 2015	A		
IR-13-00018-SNW-430-A	September 28, 2015	September 28, 2015	Inspecting installation of Wiring Devices, Street Lighting Poles & HVAC Fans in all buildings.	September 28, 2015	C		
IR-13-00018-SNW-431-A	September 28, 2015	September 28, 2015	Inspect roof insulation for leakage - I.Q.	September 28, 2015	C		
IR-13-00018-SNW-432-A	September 30, 2015	September 30, 2015	Inspect the alignment and levels of the installed curbstone.	September 30, 2015			
IR-13-00018-SNW-433-A	September 30, 2015	September 30, 2015	Inspect the installed swing gate.	September 30, 2015			

SNW 22.6 Submittals Log

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Submittal Categories		Submittal Classification		Identification		Revision/Alpha Identifier		Submittal Disposition/ Color Coding										
<ul style="list-style-type: none"> PD PRODUCT DATA SD SHOP DRAWINGS AD ADMINISTRATIVE/OTHER TR TEST REPORT SCH SCHEDULE RPT REPORT SMP SAMPLE CO COMPLETION & CLOSOUT MAT MATERIAL 	<ul style="list-style-type: none"> PCS CONS PTS 	<ul style="list-style-type: none"> Preconstruction Construction Post construction 	<ul style="list-style-type: none"> WER Wells Rehabilitation Project ARW : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier 	<ul style="list-style-type: none"> First Submittal SUB-18-WER-001-A From RE-Submittal SUB-18-WER-001-B Second Resubmittal SUB-18-WER-001-C 	<ul style="list-style-type: none"> A - No Exception Noted B - Major Correction Noted C - Amend and Resubmit D - Rejected - Resubmit E - Review Not Required F - Substantial Pending Response 													
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-00018-WER-754-B	Wood Door and Frame Sample	Section 08210- Paragraph: 1.2D	SMP	CONS	SUB	WER			B		From main contractor directly	September 30, 2015		October 30, 2015				Pending
SUB-00018-ARW-888-B	Preliminary Operation & Maintenance Manuals/Section 6/ Hydro-pneumatic Protection Tank - Arraba	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	ARW			B		From main contractor directly	September 7, 2015		October 7, 2015	September 8, 2015			Retracted
SUB-00018-ARW-888-B	Preliminary Operation & Maintenance Manuals/ Section 6/ Hydro-pneumatic Protection Tank - Arraba	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	ARW			B		From main contractor directly	September 22, 2015		October 22, 2015	September 29, 2015	7	B	
SUB-00018-WER-926-B	Training Plan for Sanur & Arraba	Section: 01671	AD	CONS	SUB	WER			B		From main contractor directly	September 10, 2015		October 10, 2015	September 21, 2015	11	B	
SUB-00018-WER-927-B	Testing Plan for Sanur & Arraba	Section: 01660	AD	CONS	SUB	WER			B		From main contractor directly	September 20, 2015		October 20, 2015				Pending
SUB-00018-SNW-991-C	Contractor Response to SM-13-00018-SNW-E-C-025	Section: 02570 & SM-024- Paragraph: 3.4	AD	CONS	SUB	SNW			C		From main contractor directly	September 7, 2015		October 7, 2015	September 10, 2015	3	A	
SUB-00018-SNW-1008-B	Revised Anchoring Bolts Shop Drawings for Sanur Booster Pumps Shed	Section: 05500- Paragraph: 1.3B-4	SD	CONS	SUB	SNW			B		From main contractor directly	September 30, 2015		October 30, 2015				Pending
SUB-00018-ARW-1063-B	Modified Shop Drawings for Booster Pumps Steel Shed as per VO-13-00018-WER-006- Arraba	Section: 05100- Paragraph: 1.3B	SD	CONS	SUB	ARW			B		From main contractor directly	September 10, 2015		October 10, 2015	September 22, 2015	12	E	
SUB-00018-ARW-1072-C	Preliminary Operation & Maintenance Manuals/ Section 5A/ Arraba Booster Pumps Flow Control Valves	Section: 15217	AD	CONS	SUB	ARW			C		September 12, 2015	September 13, 2015		October 13, 2015	September 16, 2015	3	A	
SUB-00018-WER-1150-B	Monthly Environmental Plan Update and Mitigation Plan Update- June 2015	Contractor's Manual-Sec. 4.1/14	AD	CONS	SUB	WER			B		From main contractor directly	September 3, 2015		October 3, 2015	September 7, 2015	4	A	
SUB-00018-SNW-1153-B	Preliminary Operation & Maintenance Manuals-Section 1B/400V Well Pump Variable Frequency Drive-Sanur	Section: 16455	AD	CONS	SUB	SNW			B		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	B	
SUB-00018-WER-1184-B	Manhole Steps	Section: 02490- Paragraph: 2.11	PD	CONS	SUB	WER			B		September 14, 2015	September 14, 2015		October 14, 2015	September 17, 2015	3	A	
SUB-00018-WER-1204-B	Lighting Luminaires Complementary	Section 16500- Paragraph: 2.2	PD	CONS	SUB	WER			B		From main contractor directly	September 10, 2015		October 10, 2015	September 20, 2015	10	B	
SUB-00018-WER-1215-B	Wall Bracket, Valves and Horizontal Pipes Support	Program Standard Details- Detail No. M-104 & M-108	SMP	CONS	SUB	WER			B		September 14, 2015	September 14, 2015		October 14, 2015	September 22, 2015			Retracted
SUB-00018-WER-1215-B	Wall Bracket, Valves and Horizontal Pipes Support	Program Standard Details- Detail No. M-104 & M-108	SMP	CONS	SUB	WER			B		September 30, 2015	September 30, 2015		October 30, 2015				Pending
SUB-00018-WER-1259-B	Intrusion Switch- Alternative	Section 16485- Paragraph: 2.1-1	PD	CONS	SUB	WER			B		September 19, 2015	September 22, 2015		October 22, 2015				Pending
SUB-00018-SNW-1260-B	Preliminary Start-Up Procedure - Sanur Well	Section 01660	AD	CONS	SUB	SNW			B		From main contractor directly	September 17, 2015		October 17, 2015	September 22, 2015	5	A	
SUB-00018-WER-1261-B	Safety and Health Training Manual	Section 01670- Paragraph: 1.2G	AD	CONS	SUB	WER			B		From main contractor directly	September 20, 2015		October 20, 2015	September 21, 2015	1	A	
SUB-00018-WER-1279-A	Smoke Detector and Horn - Alternative	Section: 16485- Paragraph: 2.1-J	PD	CONS	SUB	WER			A		September 2, 2015	September 2, 2015		October 2, 2015	September 10, 2015	8	C	
SUB-00018-WER-1279-B	Smoke Detector and Horn - Alternative	Section: 16485- Paragraph: 2.1-J	PD	CONS	SUB	WER			B		September 20, 2015	September 22, 2015		October 22, 2015				Pending
SUB-00018-WER-1280-A	Swing Gate Shop Drawings	Section: 02831- Paragraph: 2.4B	SD	CONS	SUB	WER			A		August 30, 2015	September 2, 2015		October 2, 2015	September 7, 2015	5	B	
SUB-00018-SNW-1281-A	Anchor Calculation of Sanur Booster and Well Pumps VFD Supports	Section: 16457	AD	CONS	SUB	SNW			A		From main contractor directly	September 2, 2015		October 2, 2015	September 22, 2015	20	B	
SUB-00018-ARW-1282-A	Preliminary Operation & Maintenance Manuals - Section 2B- 400V Booster Pump Variable Frequency Drive- Arraba -(Booster Pump 3 & 4)	Section: 16455	AD	CONS	SUB	ARW			A		August 30, 2015	September 3, 2015		October 3, 2015	September 10, 2015	7	C	
SUB-00018-SNW-1283-A	Preliminary Operation & Maintenance Manuals/ Section 9G/Debris Stop Gate and Mud Gate - Sanur	Section: 01781- Paragraph: 1.4	AD	CONS	SUB	SNW			A		August 30, 2015	September 3, 2015		October 3, 2015	September 7, 2015	4	C	
SUB-00018-WER-1284-A	HVAC Thermostat - Complementary	Section: 15950- Paragraph: 2.2J	PD	CONS	SUB	WER			A		August 31, 2015	September 3, 2015		October 3, 2015	September 9, 2015	6	B	
SUB-00018-WER-1285-A	UV Filter	Section: 15450- Paragraph: 2.6A & B	PD	CONS	SUB	WER			A		August 30, 2015	September 3, 2015		October 3, 2015	September 9, 2015	6	B	
SUB-00018-WER-1286-A	Cable Accessories	Section: 01300	PD	CONS	SUB	WER			A		August 31, 2015	September 3, 2015		October 3, 2015	September 14, 2015	11	B	
SUB-00018-WER-1287-A	Revised Testing And Disinfection Of Concrete Structures (Water Hydraulic Structure)	Section: 01650	AD	CONS	SUB	WER			A		From main contractor directly	September 3, 2015		October 3, 2015	September 7, 2015	4	B	
SUB-00018-SNW-1288-A	Anchor Calculation of Sanur Switch Gear	Section: 16362	AD	CONS	SUB	SNW			A		From main contractor directly	September 3, 2015		October 3, 2015				Retracted
SUB-00018-SNW-1288-A	Anchor Calculation of Sanur Switch Gear	Section: 16362	AD	CONS	SUB	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 22, 2015	5	B	
SUB-00018-SNW-1289-A	Anchor Calculation of Sanur MCC	Section: 16480	AD	CONS	SUB	SNW			A		From main contractor directly	September 3, 2015		October 3, 2015				Retracted
SUB-00018-WER-1290-A	Revised Original CPM Construction Schedule as per VO-13-00018-WER-008	Contractor's Manual- Sec. 4.1/16	AD	CONS	SUB	WER			A		From main contractor directly	September 7, 2015		October 7, 2015	September 28, 2015	21	C	
SUB-00018-SNW-1291-A	Method Statement of External Plastering Cracks Repair	Section: 09200	AD	CONS	SUB	SNW			A		From main contractor directly	September 7, 2015		October 7, 2015	September 13, 2015	6	A	
SUB-00018-SNW-1292-A	Structural Calculation of Anchorage of Steel Shed - Sanur	Section: 05500- Paragraph: 1.3B-4	AD	CONS	SUB	SNW			A		From main contractor directly	September 7, 2015		October 7, 2015	September 28, 2015	21	A	
SUB-00018-WER-1293-A	Raphael Gate Valve Test Certificates - FAT	Section: 15201 & 15206	TR	CONS	Lab Test	WER			A		From main contractor directly	September 7, 2015		October 7, 2015	September 8, 2015			Retracted
SUB-00018-WER-1293-A	Raphael Gate Valve Test Certificates - FAT	Section: 15201 - Paragraph: 1.2E	TR	CONS	Lab Test	WER			A		September 8, 2015	September 9, 2015		October 9, 2015	September 10, 2015	1	A	
SUB-00018-SNW-1294-A	Preliminary Operation & Maintenance Manuals/Section 5D/Gate Valve Sanur	Section: 15201 & 15206	AD	CONS	SUB	SNW			A		September 6, 2015	September 8, 2015		October 8, 2015	September 13, 2015	5	B	
SUB-00018-WER-1295-A	Anza, Jabba, Mirka and Aija Connection Chamber Shop Drawings	Section: 01300 - Paragraph: 1.3	SD	CONS	SUB	WER			A		September 6, 2015	September 8, 2015		October 8, 2015	September 10, 2015	2	B	
SUB-00018-WER-1296-A	Resume of Training Instructor of The Well and booster pumps	Section: 01670- Paragraph: 1.2 E - 10	AD	CONS	SUB	WER			A		From main contractor directly	September 8, 2015		October 8, 2015	September 22, 2015	14	B	
SUB-00018-WER-1297-A	Dismantling Joint Test Certificates - FAT	Section: 15000- Paragraph: 1.2D	TR	CONS	Lab Test	WER			A		September 8, 2015	September 9, 2015		October 9, 2015	September 10, 2015	1	A	
SUB-00018-ARW-1298-A	Arraba MMSG Test Report - FAT	Section 16362	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 9, 2015		October 9, 2015	September 14, 2015	5	A	
SUB-00018-SNW-1299-A	Sanur MTS Test Report - FAT	Section: 16480	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 9, 2015		October 9, 2015	September 14, 2015	5	C	
SUB-00018-SNW-1300-A	Sanur Well Head And Rig Slab Revised Plan	Section 01300- Paragraph: 1.3	SD	CONS	SUB	SNW			A		September 10, 2015	September 10, 2015		October 10, 2015	September 20, 2015	10	B	
SUB-00018-ARW-1301-A	Arraba Site Layout Revised Shop Drawing	Section 01300- Paragraph: 1.3	SD	CONS	SUB	ARW			A		September 13, 2015	September 13, 2015		October 13, 2015	September 22, 2015			Retracted
SUB-00018-ARW-1302-A	Preliminary Operation & Maintenance Manuals/ Section 5D/Gate Valves	Section: 15201 & 15206	AD	CONS	SUB	ARW			A		September 12, 2015	September 13, 2015		October 13, 2015	September 21, 2015	8	B	
SUB-00018-WER-1303-A	Butterfly Valve Test Certificates - FAT	Section: 15200- Paragraph: 1.2E	TR	CONS	Lab Test	WER			A		September 12, 2015	September 13, 2015		October 13, 2015	September 14, 2015	1	A	
SUB-00018-WER-1304-A	Flow Meter Test Certificates - FAT	Section: 15217	TR	CONS	Lab Test	WER			A		September 12, 2015	September 13, 2015		October 13, 2015	September 14, 2015	1	A	
SUB-13-00018-WER-1305-A	Monthly Risk Management Plan Update - August 2015	Contractor's Manual-Sec. 4.1/construction submittals #003	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-WER-1306-A	Monthly Safety Plan Update - August 2015	Contractor's Manual-Sec. 4.1/12	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-WER-1307-A	Manhole Step Test Report	Section: 05500	TR	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	

Submittal Categories		Submittal Classification		Phase		Identifiers		Review Status		Resubmittal Alpha Identifier		Submittal Disposition / Color Coding						
PD	PRODUCT DATA	PCS	Preconstruction	WER Well Rehabilitation Project	First Submittal	ARW	Project 1 Identifier	First Submittal	ARW	Project 1 Identifier	First Submittal	ARW	Project 1 Identifier					
SD	SHOP DRAWINGS	CONS	Construction	ARW	Project 2 Identifier	SNW	Project 2 Identifier	First Submittal	ARW	Project 1 Identifier	First Submittal	ARW	Project 1 Identifier					
AD	ADMINISTRATIVE/OTHER	PFS	Post construction	SNW	Project 3 Identifier	SDW	Project 3 Identifier	Second Resubmittal	ARW	Project 1 Identifier	Second Resubmittal	ARW	Project 1 Identifier					
TR	TEST REPORT																	
SCH	SCHEDULE																	
RPT	REPORT																	
SMP	SAMPLE																	
CO	COMPLETION & CLOSURE																	
MAT	MATERIAL																	
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-13-00018-WER-1308-A	Project Permanent Sign	Section: 01580	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 20, 2015	5	B	
SUB-13-00018-WER-1309-A	Monthly Environmental Plan Update and Mitigation Plan Update-August 2015	Contractor's Manual- Sec. 4.1/14	AD	CONS	SUB	WER			A		From main contractor directly	September 15, 2015		October 15, 2015	September 16, 2015	1	A	
SUB-13-00018-SNW-1310-A	Anchor Calculation of Samur MCC - Alternative	Section: 16480	AD	CONS	SUB	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 22, 2015	7	B	
SUB-13-00018-SNW-1311-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW/ Station (0+097 to 0+110)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1312-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Footing for Fence Wall B-B'	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1313-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Encasement of Electrical Duct Bank DBP-11	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1314-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Trench Walls of the Electrical Transformer	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-ARW-1315-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Foundation of The Booster Pump, Foundation of the Electrical Transformer & Roof Slab of the Washout Chamber	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1316-A	Test Report on Concrete Compressive Strength at 28 Days of Age -Screed Concrete for Buildings Roof (EM, EC, LQ & CS)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1317-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW Foundation (0+095 to 0+120)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1318-A	Test Report on Concrete Compressive Strength at 28 Days of Age -BT Metering Pad	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1319-A	Test Report on Concrete Compressive Strength at 28 Days of Age -RW (0+085 to 0+095) & (0+110 to 0+120)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1320-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Electrical Duct Bank DBP-11	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1321-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Foundation (0+127 to 0+134)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1322-A	Test Report on Concrete Compressive Strength at 28 Days of Age - RW Foundation (0+134 to 0+146.36)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 15, 2015	0	A	
SUB-13-00018-SNW-1323-A	Remedy Plan for Sidewalk and Soil Erosion Concrete Slab's Surface in Response to SM-13-00018-SNW-E-C-028	Section: 01300 & SM#28- Paragraph: 1.2	AD	CONS	SUB	SNW			A		From main contractor directly	September 15, 2015		October 15, 2015	September 29, 2015	14	B	
SUB-13-00018-SNW-1324-A	Remedy Plan for Concrete Surface Uniformity for Fence Wall in Response to SM-13-00018-SNW-E-C-022	Section: 03300 & SM#30	AD	CONS	SUB	SNW			A		From main contractor directly	September 16, 2015		October 16, 2015	September 17, 2015	1	B	
SUB-13-00018-SNW-1325-A	Remedy Plan for Repairing the Damages in the RW in Response to SM-13-00018-SNW-E-C-030	Section: 03300 & SM#30	AD	CONS	SUB	SNW			A		From main contractor directly	September 16, 2015		October 16, 2015	September 17, 2015	1	B	
SUB-13-00018-WER-1326-A	QC Monthly Report- August 2015	Section 01300- Paragraph: 1.8-B	AD	CONS	SUB	WER			A		From main contractor directly	September 16, 2015		October 16, 2015	September 20, 2015	4	B	
SUB-13-00018-ARW-1327-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Walls of Section B-B' of the Fence Wall	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1328-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Roof Slab of Seepage Pit & Electrical Duct Banks (DBP-10 & DBP-20)	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1329-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Concrete Screed for Buildings (EC, CS, EMR & LQ)	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-ARW-1330-A	Test Report on Concrete Compressive Strength at 7 Days of Age - Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1331-A	Test Report on Concrete Compressive Strength at 7 Days of Age -RW (0+134 to 146+360), Metering Pad & Fence Wall Foundation (0+68 to 0+73)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1332-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Fence Wall (0+68 to 0+73)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	C	
SUB-13-00018-SNW-1333-A	Test Report on Concrete Compressive Strength at 7 Days of Age -S.O.G Around BT	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1334-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Beam Under Sliding Gate + Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1335-A	Test Report on Concrete Compressive Strength at 7 Days of Age -Beam Under Sliding Gate + Electrical Poles Foundation	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	A	
SUB-13-00018-SNW-1336-A	Test Report on Concrete Compressive Strength at 7 Days of Age -RW Station (0+127 to 0+134)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 17, 2015		October 17, 2015	September 17, 2015	0	C	
SUB-13-00018-WER-1337-A	RT Test Report for 20 Welded Joints	Section: 02570- Paragraph: 3.3	TR	CONS	Lab Test	WER			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-WER-1338-A	Transformer Test Report - FAT	Section: 16400- Paragraph: 1.3B	TR	CONS	Lab Test	WER			A		From main contractor directly	September 20, 2015		October 20, 2015	September 30, 2015	10	C	
SUB-13-00018-ARW-1339-A	Test Report on Concrete Compressive Strength at 28 Days of Age - Walls of Section B-B' of the Fence Wall	Section: 03300	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1340-A	Test Report on Concrete Compressive Strength at 28 Days of Age -Fence Wall (0+068 to 0+073)	Section: 03300	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 20, 2015		October 20, 2015	September 20, 2015	0	A	
SUB-13-00018-SNW-1341-A	Cables List and Schedule for Samur	Section: 16120	AD	CONS	SUB	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015				Pending
SUB-13-00018-ARW-1342-A	Field Density Compaction Test for Substrata-Under Rig Slab	Section: 02200	TR	CONS	Lab Test	ARW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1343-A	Field Density Compaction Test for Subgrade- Samur Yard Area / Level 293.90 m	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1344-A	Field Density Compaction Test for Subgrade- Samur Yard Area / Level 293.55 m	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1345-A	Field Density Compaction Test for Base Course- Samur Yard Area - Secondary Entrance	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1346-A	Field Density Compaction Test for Subgrade- Under Culvert	Section: 02200	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-SNW-1347-A	Test Report on Concrete Curbs	Section: 02464	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 21, 2015		October 21, 2015	September 22, 2015	1	A	
SUB-13-00018-ARW-1348-A	Preliminary Operation & Maintenance Manuals/Section 3F/1500 KVA Pad Mounted Transformer - Arraba	Section: 16400	AD	CONS	SUB	ARW			A		September 21, 2015	September 21, 2015		October 21, 2015	September 29, 2015	8	B	
SUB-13-00018-SNW-1349-A	Preliminary Operation & Maintenance Manuals/Section 3F/1000 KVA Pad Mounted Transformer - Samur	Section: 16400	AD	CONS	SUB	SNW			A		September 21, 2015	September 21, 2015		October 21, 2015	September 29, 2015	8	B	
SUB-13-00018-WER-1350-A	QA/QC Submittal Register Monthly Update - August 2015	Section 01300, Contractor's manual, 4.1-construction submittals (3)-Paragraph: 1.8B	AD	CONS	SUB	WER			A		From main contractor directly	September 22, 2015		October 22, 2015	September 28, 2015	6	A	
SUB-13-00018-ARW-1351-A	Preliminary Operation & Maintenance Manuals - Section 9B/Air Conditioning Units - Arraba	Section: 15730	AD	CONS	SUB	ARW			A		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	C	
SUB-13-00018-SNW-1352-A	Preliminary Operation & Maintenance Manuals - Section 9B/Air Conditioning Units - Samur	Section: 15730	AD	CONS	SUB	SNW			A		September 21, 2015	September 22, 2015		October 22, 2015	September 29, 2015	7	C	
SUB-13-00018-WER-1353-A	Bermad Valves Test Certificates S]04-CR1-HDV-720C (Arraba Reservoir Inlet Flow Control Valve)	Section 15217-Paragraph: 2.3A	TR	CONS	Lab Test	WER			A		September 21, 2015	September 22, 2015		October 22, 2015	September 28, 2015	6	A	
SUB-13-00018-WER-1354-A	Disconnect Switch	Section 16485-Paragraph: 2.1F	PD	CONS	SUB	WER			A		September 21, 2015	September 22, 2015		October 22, 2015				Pending
SUB-13-00018-WER-1355-A	Furniture	Section 12625-Paragraph: 2.6	PD	CONS	SUB	WER			A		September 21, 2015	September 22, 2015		October 22, 2015				Pending
SUB-13-00018-SNW-1356-A	Visual Inspection Report of Welded Joints for Sole Plate - Samur	Section: 02570	TR	CONS	Lab Test	SNW			A		From main contractor directly	September 22, 2015		October 22, 2015	September 22, 2015	0	A	

Submittal Categories	Submittal Classification	Phase	Identifiers	Resubmittal Alpha Identifier	Submittal Disposition / Color Coding
PD SD AD TR SCH RPT SMP CO MAT	PCS CONS PSTS	Preconstruction Construction Post construction	WER Well Rehabilitation Project AWP : Project 1 Identifier SNW : Project 2 Identifier SDW : Project 3 Identifier	First Submittal SUB-13-WER-001-A First RE-Submittal SUB-13-WER-001-B Second Resubmittal SUB-13-WER-001-C	A- No Description Noted B- Make Correction Noted C- Amend and Resubmit D- Rejected Resubmit E- Review Not Required Submitted Pending Response

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Actual Submission Date from Subcontractor	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-13-00018-WER-1357-A	Kitchen Cabinet Accessories	Section: 06200- Paragraph: 1.3	SMP	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015				Pending
SUB-13-00018-WER-1358-A	Wall Mounted Hose Rack and Hose	Section: 15430- Paragraph: 2.14	SMP	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015	September 30, 2015	2	C	
SUB-13-00018-WER-1359-A	Fire Extinguisher	Section: 10520- Paragraph: 2.2 A & B	PD	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015	September 30, 2015	2	C	
SUB-13-00018-WER-1360-A	Kitchen Equipment	Section: 11817- Paragraph: 2.1 – 2.4	PD	CONS	SUB	WER			A		September 28, 2015	September 28, 2015		October 28, 2015				Pending
SUB-13-00018-WER-1361-A	Anchor Calculation of Samur and Arraba Transformers	Section: 16400	AD	CONS	SUB	WER			A		From main contractor directly	September 30, 2015		October 30, 2015				Pending

SNW 22.7 Requests for Information Log

DISCLAIMER:

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

Task Order: **Task Order: 00018-WER**
 Projects: Project 1-ARW Arraba Well Pump Station
 Project 2-SNW Sanur Well Pump Station
 Project 3-SDW Saadeh Well Rehabilitation

Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Needed by	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
RFI-18-WER-C-E-082	Concrete Surface Finish of the Reinforced Concrete for Yards Concrete Pavement	-	Section 02464, items 3.5 & 3.7	-	September 1, 2015		September 20, 2015	19	Response	Option #1: This option is in line with finishes requirement as stipulated under specification 3300 Para 3.7.c.2.d. Contractor shall assure proper implementation of U4 finishes requirements. Option #2: This option is not accepted from sustainability stand point.	
RFI-18-WER-C-E-083	Well site Entrance/ Widening and Upgrading	-	Section 02460.	BoQ item 2.1.5 and DWG 3C-12	September 1, 2015		September 21, 2015	20	Response	Contractor's proposal is accepted.	

SNW 22.8 Variation Order Request and Variation Order Log

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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								
VO-13-00018-WER-008	1-Sep-15	Signed	ARW: Changes in Requirements, New Items, BOQ Typo Correction and New Definitive Quantities SNW: Changes in Requirements, New Items, BOQ Typo Correction, New Definitive Quantities and Time Extension	1-Sep-15	\$ 14,021,856.00	\$ 700,000.00	\$ 14,721,856.00	\$ 13,728,521.40	\$ 993,334.60	\$ 14,721,856.00	\$ 13,898,838.04	\$ 823,017.96	\$ 14,721,856.00	\$170,316.64	P1-Arraba Well Pump Station	ARW	550	199	0	25-Apr-15	10-Nov-15
															P2-Samur Well Pump Station	SNW	550	143	39	25-Apr-15	24-Oct-15
															P3-Saadeh Well Rehabilitation	SDW	120	20	0	19-Feb-14	11-Mar-14

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

VOR Log

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
VOR-00018-WER-024-A	September 3, 2015		0 Days	ARW+SNW (\$9,937.74)		-	1- Price Quotation Breakdown (Excel). 2- BV Response on RFI#066. Supporting Documents	Tank Mounted Compressors.		

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
 Temprrary 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	71	67	136	119	197	589	25	553	36	
February	2015	68	66	118	116	182	548	23	508	40	
March	2015	81	80	189	166	216	731	31	665	67	
April	2015	78	77	225	200	217	796	33	733	64	
May	2015	78	77	218	195	240	808	34	744	64	
June	2015	78	76	210	113	225	702	30	639	63	
July	2015	58	63	202	109	225	655	28	603	52	
August	2015	68	68	309	186	241	870	37	816	54	
September	2015	58	70	258	114	225	725	30	677	48	
Total of FY 2015							8473	356.0084034	7875	599	

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- Samur Pump Station
 CONTRACTOR: IRD
 SUBCONTRACTOR: Al Abbasi Company

DATE	Worker/Classification (Hours)																				Man-days*									
	Management				Engineers				Skilled labor				Unskilled labor				Other								Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	
	Task Order Manager	Quality Control Manager	Safety & Env. Manager	Project Manager (P, PE, etc.)	Document Control Engineer (D)	Document Control Engineer	Civil Engineer (P)	Office Engineer	Site Engineer	Supervisor	Skilled Labor	Foreman	Equipment Operator	Higman	Unskilled Labor	Guard / Security	Janitor (F)	Janitor	Document Control Officer	Surveyor	Surveyor Assistant	CNT	Geologist	Diver	High Supervisor					
September 1, 2015	4	4	4	8	4		4	4	8	8	48	16	16		32	40	8	8	4	4					2.5	2.5	11	4	8	
September 2, 2015	4	4	4	8	4		4	4	8	8	48	16	16		48	40	8	8	4	4					2.5	2.5	11	6	8	
September 3, 2015	4	4	4	8	4		4	4	8	8	48	16	10		48	40	8	8	4	4					2.5	2.5	10.25	6	8	
September 4, 2015												8	8		16	40									0	0	2	2	5	
September 5, 2015	4	4	4	8	4		4	4	8	8	40	16	10		56	40	8	8	4	4		8		4	2.5	2.5	9.25	7	9.5	
September 6, 2015	4	4	4	8	4		4	4	8	8	64	16	22		32	40	8	8	4	4					2.5	2.5	13.75	4	8	
September 7, 2015	4	4	4	8	4		4	4	8	8	80	16	32		48	40	8	8	4	4					2.5	2.5	17	6	9	
September 8, 2015	4	4	4	8	4		4	4	8	8	48	16	16		48	40	8	8	4	4		8			2.5	2.5	11	6	9	
September 9, 2015	4	4	4	8	4		4	4	8	8	64	16	8		48	40	8	8	4	4					2.5	2.5	12	6	8	
September 10, 2015	4	4	4	8	4		4	4	8	8	64	16	8		48	40	8	8	4	4					2.5	2.5	12	6	8	
September 11, 2015											16	8			24	40									0	0	3	3	5	
September 12, 2015	4	4	4	8	4		4	4	8	8	56	16	3		48	40	8	8	4	4		8			2.5	2.5	10.375	6	9	
September 13, 2015	4	4	4	8	4		4	4	8	8	96	16	0		32	40	8	8	4	4					2.5	2.5	15	4	8	
September 14, 2015	4	4	4	8	4		4	4	8	8	56	16	0		32	40	8	8	4	4					2.5	2.5	10	4	8	
September 15, 2015	4	4	4	8	4		4	4	8	8	56	16	6		32	40	8	8	4	4					2.5	2.5	10.75	4	8	
September 16, 2015	4	4	4	8	4		4	4	8	8	48	16	2		32	40	8	8	4	4					2.5	2.5	9.25	4	8	
September 17, 2015	4	4	4	8	4		4	4	8	8	64	16			32	40	8	8	4	4					2.5	2.5	11	4	8	
September 18, 2015											16	8			24	40									0	0	3	3	5	
September 19, 2015	4	4	4	8	4		4	4	8	8	48	16	2		32	40	8	8	4	4		8			2.5	2.5	9.25	4	9	
September 20, 2015	4	4	4	8	4		4	4	8	8	32	16			24	40	8	8	4	4					2.5	2.5	7	3	8	
September 21, 2015	4	4	4	8	4		4	4	8	8	48	16	0		32	40	8	8	4	4					2.5	2.5	9	4	8	
September 22, 2015	4	4	4	8	4		20	4	8	8		16	4		24	40	8	8	4	4			2		2.5	4.5	3.5	3	8.25	
September 23, 2015											80	80				40									0	10	10	0	5	
September 24, 2015															40										0	0	0	0	5	
September 25, 2015															40										0	0	0	0	5	
September 26, 2015															40										0	0	0	0	5	
September 27, 2015	4	4	4	8	4		4	4	8	8	24	16			24	40	8	8	4	4					2.5	2.5	6	3	8	
September 28, 2015	4	4	4	8	4		4	4	8	8	40	16	8		32	40	8	8	4	4			4		2.5	2.5	9	4	8.5	
September 29, 2015	4	4	4	8	4		4	4	8	8	40	16	16		32	40	8	8	4	4					2.5	2.5	10	4	8	
September 30, 2015	4	4	4	8	4		4	4	8	8	64	16	16		32	40	8	8	4	4					2.5	2.5	13	4	8	
Total of Month	92	92	92	184	92	0	108	92	264	264	1208	392	203	0	912	1200	184	184	92	92	0	40	0	10	0	58	70	258	114	225

SNW 22.10 Risk Register Log

DISCLAIMER:

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

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Construction	Interruption or damage of underground utilities	The risk lies during excavation work and demobilization in hitting or damaging the underground utilities such existing piping system and/or the buried electric cables	Delay in work,water shortage in the villages.	Contractor	11th of July,2014	2	2	4	Yes	Yes	Mitigate	During the excavation process, the contractor will take all safety measures to avoid hitting or damaging these utilities and will coordinate with local authorities to figure out the location of such utilities. The underground power cable was exposed then protected properly. Piping system -in all times- will be avoided during excavations and necessary repair will immediately be performed if any pipe is incidentally broken.	IRD	Existing	
2	Construction	Construction activities in energized environment	This is an existing pumping station where power supply and electric boards shall be maintained according to contract until the last phase of construction	Personnel enjuries (electric shock).	Contractor	11th of July,2014	1	3	3	No	No	Mitigate	All power cables were isolated and protected. Tag-out lock-out procedure on electric boards is implemented.	IRD	Existing	
3	Construction	Falls and Equipment	These hazards include exposure to falls, falling loads, and mobile equipment.	Personnel enjuries and delay in work.	Contractor	4th of August,2014	1	2	2	No	No	Mitigate	Keep materials or equipment that might fall or roll into an excavation at least 2 feet from the edge of excavations, or have retaining devices, or both. Provide warning systems such as mobile equipment, barricades. To avoid being struck by any spillage or falling materials, require employees to stand away from vehicles being loaded or unloaded.	IRD	Existing	
4	Contractor	Working in confined space (Balance Tank).	The balance tank has a limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue, or other emergency response service. Besides, concrete surfaces repair of internal walls will produce dust, gases, etc.. which could harm repair staff.	Personnel enjuries.	Contractor	27th of December, 2014	2	2	4	No	No	Mitigate	Approved confined space safety plan shall be implemented prior conducting any repair inside Balance Tanks. Tool box meetings were held (and will be regularly held during work) to enhance staff awareness of risks and dangers during implementation of such activities.	IRD	Closed	
5	External	Delay in upgrading of existing utility power supply by IEC (Electrical Israeli Company) and re-location of Utility existing electric metering system..	As per design requirements the existing utility power supply shall be upgraded to comply with increased power requirements. The upgrading and electric meters re-location shall be done by the IEC, and any delay in upgrading the existing power supply will affect the entire project and will expose new electrical equipment to power fluctuations , hence, unforeseen problems.	1. Delay in operation, testing and commissioning. 2. Insufficient power supply that will cause intermittent operation due to voltage fluctuations which possible will affect equipment negatively.	Contractor	18th of February, 2015	3	3	9	No	Yes	Transfer	The contractor raised the importance and sensitivity of this issue and addressed his concerns for the first time in one of the CO meetings held in February, 2014. Since early of June, 2014 till now, the contractor is closely following on this issue and a log summarizing contractor coordination with DCL in this regard is constantly updated and sent to the Engineer and to USAID.	IRD	Existing	
6	External	Delay in procurement of long lead electrical equipment (VFDs)	Procurement of electrical equipment (VFDs) encountered an unexpected delay due to some damages observed on the outside casing of equipment. this occurred during shipping of equipment from the source to destination..	Delay in commissioning date of the project	Contractor	Sep. 2015	3	3	9	NO	Yes	Mitigate	VFDs have been returned to the manufacturer. Contractor is following closely with the manufacturer to accelerate replacement of equipment in the shortest time.	IRD	Existing	

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