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## Infrastructure Needs Program II (INP II)

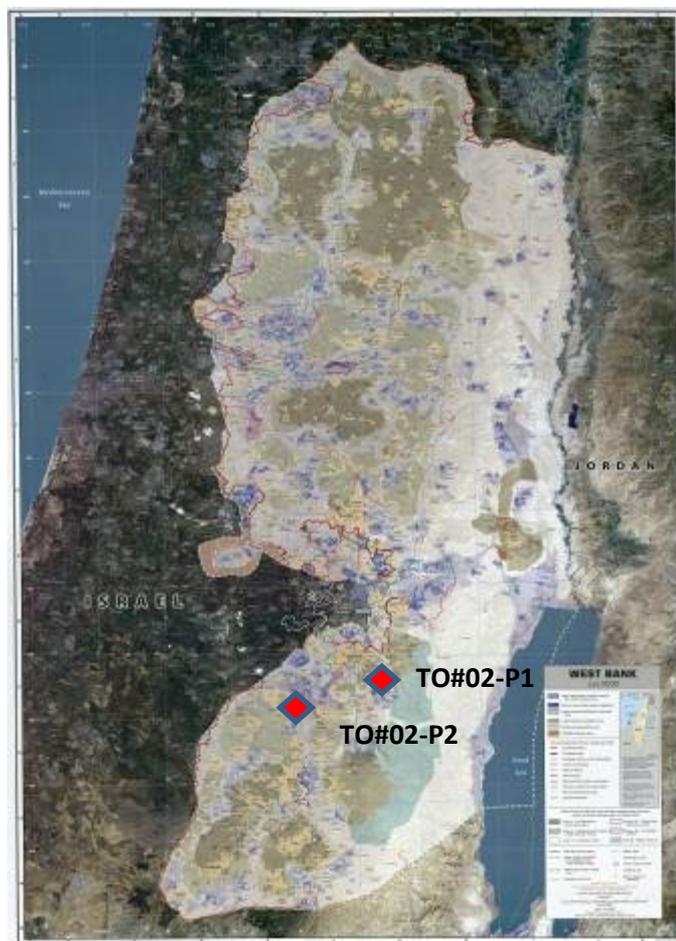
### CONSTRUCTION MONTHLY PROGRESS REPORT Month of December, 2012

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

Task Order Contract No.: AID - 294 - TO - 12 - 00002

Project No. 1 : Well #17 Pump Station and Conveyance System

Project No. 2 : Jaba' Nuba Main Transmission Pipeline



Submitted by: International Relief and Development, Inc. (IRD)



January 4, 2013



## **Infrastructure Needs Program II (INP II)**

### **Construction Monthly Progress Report Month of December, 2012**

#### **TO No. 2**

**Project 1: Well #17 Pump Station and Conveyance Ssystem**

**Prime Contractor:**

**International Relief and Development, Inc. (IRD)**

**Subcontractor:**

**Al Abassi General Contractors Company Ltd.**

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## 1. 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;
- Distributing flyers for the project to the residents of Za'atara.

## 2. Safety and Environmental Status

During the month of December 2012, IRD continued the implementation of the Safety Plan.

### **Safety Tool box meeting:**

IRD Safety and Environmental Compliance Officer held two safety tool box meetings at Well#17 project site.

### **Traffic Management:**

As mentioned in the previous monthly progress reports, the traffic management plan was studied and proposed with one lane maintained opened to facilitate public traffic movement with the necessary and required installation of directional signs and the presence of flagmen at all times during construction work.

Given the nature of the existing road, detours will be provided to reroute traffic with the presence of flagmen and necessary traffic and directional signs as per the traffic control plan. However, for the Segment from St. 1+800 to St. 2+550, since this construction zone is considered a narrow road with lack of detours, therefore, IRD is proposing that construction work for this segment to be carried out during night shifts with emergency access for residents, and all necessary traffic and safety requirements implemented.

The accident statistics can be summarized for the month of December 2012 as follows:

Particulars	Current Month
First Aid Cases	0
Lost Time Cases	0

### **Safety Meeting**

Safety meetings were conducted on a weekly basis 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.

### **Notice of Unsafe Condition:**

No notices of unsafe conditions were issued to IRD by the CMC during this reporting period.

### Safety Conclusion

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

### 3. Security Coordination

IRD security coordinator organized several meetings with Bethlehem DCL and Bet El regarding security coordination for the project, the following table provides a summary of the security coordination activities and meetings carried out during the current reporting period:

Date	Attendees	Purpose
3-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Bet El Water Commander	Sending donation number request
4-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Bet El Water Commander	Follow up with Bet El Water Commander regarding the donation number request
6-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Bethlehem DCL Commander	Meeting Bethlehem DCL Commander to provide general update regarding progress of the project
10-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Bet El Water Commander 3. Bethlehem DCL Commander	Meeting with Bet El Water Commander and Bethlehem DCL at W17 project site to explain about the project
25-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Bethlehem DCL Commander	Meeting Bethlehem DCL Commander to provide general update regarding progress of the project

**Table 3.1-W17-Security Coordination Summary**

### 4. Material or Equipment Delivered to Site

During the current reporting period the following material and equipment were delivered to the project site.

Equipment on Site					
No.	Date	Description	Quantity in use	Hours (ea)	Quantity Idle
1.	27-Nov-12	Dump Truck	1		1
2.		Generator	1	10	0
3.		JCB	0	0	2
4.		Excavator CAT	0	0	1
5.		Water Tank	1	4	0
6.		Survey Equipment	1	4	0
7.	28-Nov-12	Dump Truck	1		1
8.		Generator	1	10	0
9.		JCB	0	0	2
10.		Excavator CAT	0	0	1
11.		Water Tank	1	4	0
12.		Survey Equipment	1	4	0
13.	29-Nov-12	Dump Truck	1		1
14.		Generator	1	10	0
15.		JCB	1	4	1
16.		Bulldozer	1	4	0
17.		Excavator CAT	1	4	0
18.		Water Tank	1	4	0
19.		Survey Equipment	1	4	0

<b>Equipment on Site</b>					
No.	Date	Description	Quantity in use	Hours (ea)	Quantity Idle
20.	1-Dec-12	Dump Truck	0	0	1
21.		Generator	1	10	0
22.		JCB	1	4	0
23.		JCB	1	8	0
24.		Excavator CAT	0	0	1
25.		Steel Roller	1	1	0
26.		Survey Equipment	0	0	1
27.	2-Dec-12	Dump Truck	1	8	0
28.		Generator	1	10	0
29.		JCB	2	8	0
30.		JCB	1	8	0
31.		Excavator CAT	1	8	0
32.		Steel Roller	1		1
33.		Survey Equipment	1	6	0
34.	3-Dec-12	Dump Truck	1	8	0
35.		Generator	1	10	0
36.		JCB	2	8	0
37.		Water Tank	1	4	0
38.		Excavator CAT	1	8	0
39.		Steel Roller	1		1
40.		Survey Equipment	1	8	0
41.	4-Dec-12	Dump Truck	1	8	0
42.		Generator	1	10	0
43.		JCB	2	8	0
44.		Excavator CAT	1	8	0
45.		Steel Roller	1		1
46.		Survey Equipment	1	8	1
47.		5-Dec-12	Dump Truck	1	8
48.	Generator		1	10	0
49.	JCB		2	8	0
50.	Excavator CAT		1	8	0
51.	Steel Roller		1		1
52.	Survey Equipment		1		1
53.	6-Dec-12		Dump Truck	1	8
54.		Generator	1	10	0
55.		JCB	2	8	0
56.		Excavator CAT	1	8	0
57.		Steel Roller	1		1
58.		Survey Equipment	1	8	0
59.		8-Dec-12	Dump Truck	1	8
60.	Generator		1	10	0
61.	JCB		2	8	0
62.	JCB		0	0	1
63.	Excavator CAT		1	8	0
64.	Steel Roller		1		1
65.	Survey Equipment		1	8	0
66.	9-Dec-12	Dump Truck	1	8	0
67.		Generator	1	10	0
68.		JCB	1	8	0
69.		JCB	0	0	2
70.		Excavator CAT	1	8	0
71.		Steel Roller	1		1
72.		Survey Equipment	1	8	0
73.	10-Dec-12	Dump Truck	1	8	0
74.		Generator	1	10	0
75.		JCB	2	8	0
76.		JCB	0	0	1

<b>Equipment on Site</b>					
No.	Date	Description	Quantity in use	Hours (ea)	Quantity Idle
77.		Excavator CAT	1	8	0
78.		Steel Roller			1
79.		Survey Equipment	1	8	0
80.		Water Tank	1	4	0
81.	11-Dec-12	Excavator CAT	1	4	0
82.		Generator	1	10	0
83.		JCB	1	8	0
84.		JCB	0	0	2
85.		Steel Roller	0	0	1
86.		Survey Equipment-Level	1	8	0
87.		Total Station	1	3	0
88.	12-Dec-12	Excavator CAT	0	0	1
89.		Generator	1	10	0
90.		JCB	2	8	0
91.		JCB	0	0	1
92.		Steel Roller	1	2	0
93.		Survey Equipment-Level	1	8	0
94.		Dump Truck	1	8	0
95.	13-Dec-12	Excavator CAT	0	0	1
96.		Generator	1	10	0
97.		JCB	0	0	1
98.		JCB	1	8	0
99.		Steel Roller	0	0	1
100.		Survey Equipment-Level	1	8	0
101.		Total Station	1	6	0
102.	Truck	0	0	1	
103.	15-Dec-12	Excavator CAT	1	8	0
104.		Generator	1	10	0
105.		JCB	1	4	0
106.		JCB	2	8	0
107.		Steel Roller	0	0	1
108.		Survey Equipment-Level	1	8	0
109.		Welding Machine	1	2	0
110.	Truck	1	8	0	
111.	16-Dec-12	Excavator CAT	1	8	0
112.		Generator	1	10	0
113.		JCB	2	8	0
114.		JCB	0	0	1
115.		Steel Roller	0	0	1
116.		Survey Equipment-Level	1	8	0
117.		Truck	2	8	0
118.	17-Dec-12	Excavator CAT	1	8	0
119.		Generator	1	10	0
120.		JCB	3	8	0
121.		Steel Roller	0	0	1
122.		Survey Equipment-Level	1	8	0
123.		Truck	2	8	0
124.	18-Dec-12	Excavator CAT	1	8	0
125.		Generator	1	10	0
126.		JCB	3	8	0
127.		Water Truck	1	3	0
128.		Steel Roller	0	0	1
129.		Survey Equipment-Level	1	8	0
130.		Truck	1	8	0
131.	Total Station	1	6	0	
132.	19-Dec-12	Excavator CAT	1	4	0
133.		Generator	1	10	0

<b>Equipment on Site</b>					
No.	Date	Description	Quantity in use	Hours (ea)	Quantity Idle
134.		JCB	3	4	0
135.		Steel Roller	1	3	0
136.		Survey Equipment-Level	1	4	0
137.		Truck	1	4	0
138.	20-Dec-12	Generator	1	10	0
139.		Excavator CAT	0	0	1
140.		Truck	0	0	1
141.		JCB	0	0	3
142.		Steel Roller	0	0	1
143.		Survey Equipment-Level	0	0	1
144.	22-Dec-12	Generator	1	10	0
145.		Excavator CAT	0	0	1
146.		Truck	0	0	1
147.		JCB	0	0	3
148.		Steel Roller	0	0	1
149.		Survey Equipment-Level	0	0	1
150.	23-Dec-12	Generator	1	10	0
151.		Excavator CAT	0	0	1
152.		Truck	0	0	1
153.		JCB	0	0	3
154.		Steel Roller	0	0	1
155.		Survey Equipment-Level	0	0	1
156.	24-Dec-12	Generator	1	10	0
157.		Excavator CAT	0	0	1
158.		Truck	0	0	1
159.		Survey Total Station	1	3	0
160.		JCB	0	0	3
161.		Steel Roller	0	0	1
162.	25-Dec-12	Generator	1	10	0
163.		Excavator CAT	0	0	1
164.		Truck	0	0	1
165.		JCB	0	0	3
166.		Steel Roller	0	0	1
167.		Survey Equipment-Level	0	0	1
168.	26-Dec-12	Generator	1	10	0
169.		Excavator CAT	0	0	1
170.		Truck	0	0	1
171.		JCB	0	0	3
172.		Steel Roller	0	0	1
173.		Survey Equipment-Level	0	0	1

**Table 4.1-W17-Equipment on Site**

<b>Material Delivered to Site</b>					
No.	Date	Item	Description	QTY	Location
1.	15-Dec-12	Base course	Delivering base course material	60 m <sup>3</sup>	Well 17 Site
2.	16-Dec-12	Base course	Delivering base course material	30 m <sup>3</sup>	Well 17 Site
3.	17-Dec-12	Base course	Delivering base course material	100 m <sup>3</sup>	Well 17 Site
4.	17-Dec-12	Formwork	Delivery of formwork 1. 2x10cm studs, 2. 5x10cm studs 3. 220x60cm panels	1: 70 2: 286 3:192	Well 17 Site
5.	20-Dec-12	Reinforced Steel	Delivering reinforced steel	13.086 ton	Well 17 Site

**Table 4.2-W17- Material Delivered to Site**

### 5. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	4.5 %
Actual percentage complete	4.35%
Elapsed Time	16.54 %

**Table 5.1-W17-Progress Summary Table**

Project Overall Status: As of December 19, 2012 the project is suspended until further notice.

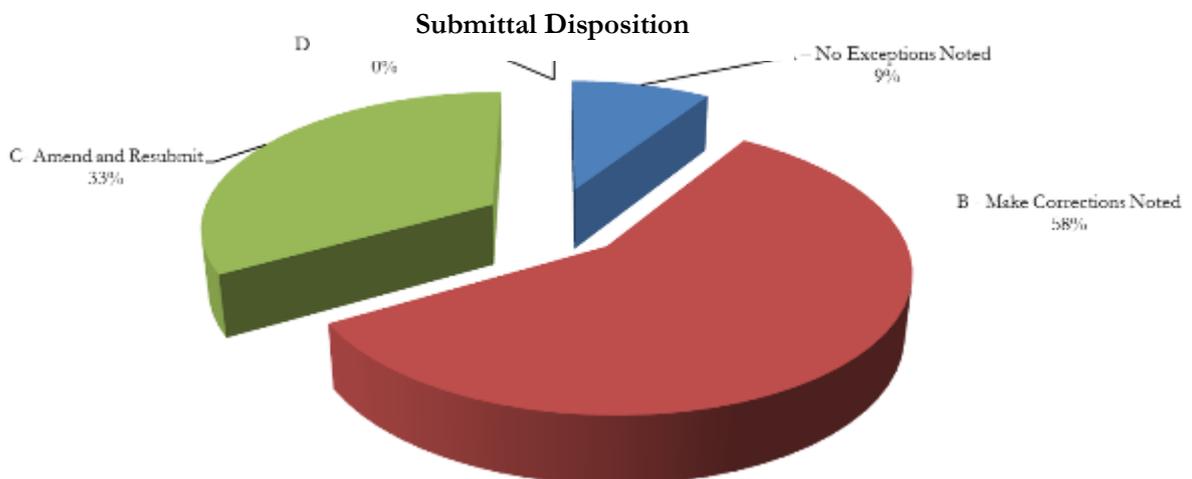
For further details regarding the project progress please see Attachment W 17 19.1-Updated Schedule Roll up. In light of the fact that the project received a “Notice of Suspension” on December 19, 2012, accordingly the schedule update cut-off date was adjusted to December 19, 2012.

#### Submittal Status

During the current reporting period a total of 46 submittals (including resubmittals) were submitted for this project; 38 submittals were submitted for Project 1, and 8 submittals were submitted for the Task Order. Review comments were received for 33 submittals, out of which 19 reviewed submittals were received for submittals submitted within the current reporting period, while 14 reviewed submittals were received for submittals submitted within the previous reporting period. The following table and graph provide a summary of the submittals disposition status.

Total	Submittal Disposition
3	A – No Exceptions Noted
19	B - Make Corrections Noted
11	C- Amend and Resubmit
0	D- Rejected- Resubmit
0	E- Review Not Required
33	Total Submittals Reviewed

**Table 5.2-W17-Submittal Deposition**



**Figure 5.1-W17-Submittals Deposition**

For further details please see attachment W17 19.5- Submittal Log

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

### The following was achieved during the current reporting period:

- Removal of the installed temporary fence as per the original design site layout and reinstalling it according to the new site layout provided by the Engineer.
- Completing excavation of the north side and part of east side of the pump station yard in addition to the structural excavation for the northern retaining walls according to the revised site layout provided by the Engineer and the approved shop drawings for the northern retaining walls.
- Conducting soil bearing capacity test for the encountered soil at depth of 462.4 by Building Center Laboratory and receiving instruction from the Engineer to add a 40 cm thick layer of rubble concrete under the 25 cm layer of base course material upon the recommendation of Building Center Laboratory.
- Structural excavation under the base slab and the external walls of the balance tank.
- Conducting land survey works to mark out the center line of the earth road and resurvey for the section between St. 0+000 and St. 0+500 upon the request of the Engineer.
- Delivery of formwork material, base course material and steel reinforcement to the site.
- Conducting the second session of the pre-submittal conference at Ardan Office –Netanya concerning instrumentation submittals, the session was conducted on December 03, 2012
- Holding the “Concrete Conference” as per Contract requirements on December 06, 2012 at the Engineer’s Primary Office in Za’atara.
- Visiting Bermad Factory in Israel concerning the valves and fittings and Middle East Pipes Factory in Ramleh –Israel prior to fabrication, the visit was conducted on December 06, 2012.
- IRD and Al Abbasi key personnel went to Amman –Jordan on Thursday December 13, 2012, and met with ABB, Centerlift and SHAM Specialist to discuss various issues related to Long Lead Electrical and Mechanical equipment.
- Welding a 2” GI Pipe to the steel plate welded to the casing steel pipes under TO 43 on December 15, 2012, for monitoring the SWL during implementation of Project #1.

- Noticeable progress was made during this period with respect to construction submittals especially the long lead items.

**The following are the main activities planned for next month**

Since December 19, 2012 this project has been under “Notice of Suspension” until further notice, subsequently, the activities for the following month will be planned after lifting the suspension and resuming work. For further details regarding the cause of the “Notice of Suspension” please refer to Section 17 “General Comments, Arisen Issues, and Problems Encountered”.

## 7. Updated Schedule

IRD met the planned progress with respect to the structural excavation for the retaining wall and under the base slab and the external walls of the balance tank, in addition to achieving notable progress in the construction submittals for the long lead items. For further details please see Attachment W17 19.1- Updated Schedule Roll-up.

## 8. Site Memos

Three site memos were issued by the Engineer for this project during the current reporting period. For further details regarding the issued site memos please see Attachment W 17 19.3- Site Memo Log.

## 9. Inspection Requests

During the current reporting period seven inspection requests were submitted to the Engineer. For further details please see Attachment W 17 19.4- Inspection Request Log.

## 10. Test Reports

During the current reporting period one test was submitted to the Engineer for concrete. The following table and graph provide a summary of the status of the testing report.

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Concrete	0	0	1	1
Total	0	0	1	1

Table 10.1-W17-Test Report Summary

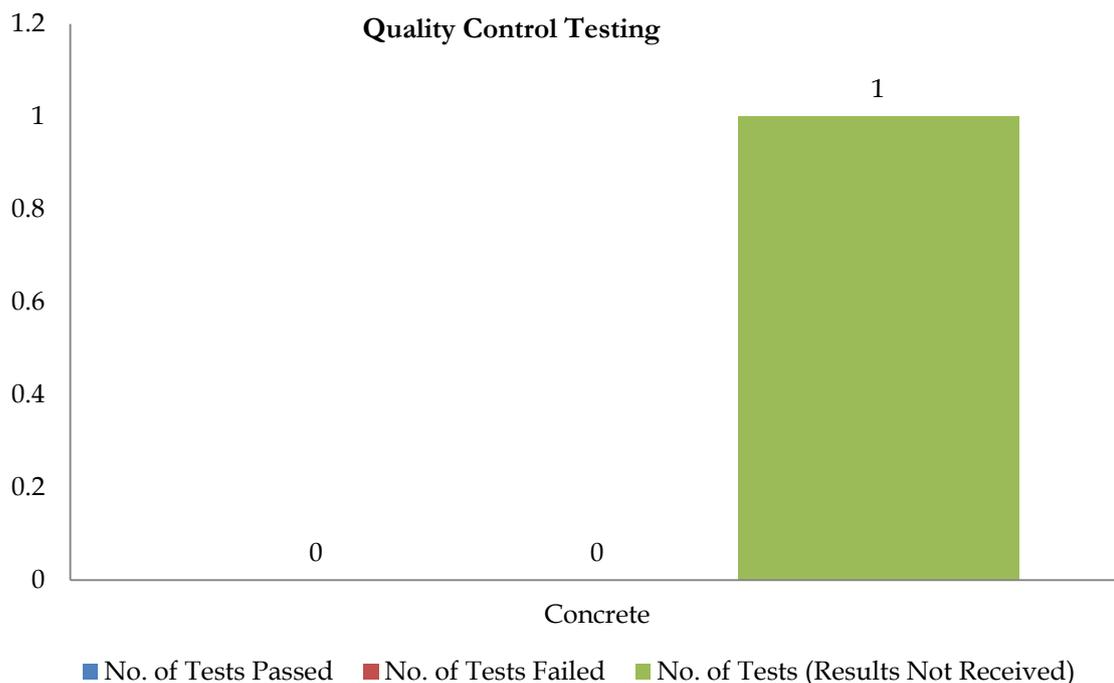


Figure 10.1-W17- Quality Control Testing

### 11. Request for Information

During the current reporting period seven Requests for Information (RFI) were submitted to the Engineer; answers were received for only four of the seven RFIs submitted during this reporting period. Additionally, four answers were received for RFIs submitted to the Engineer during the previous reporting period. The RFI response time ranged from two to seventeen days with an average response time of 8 days. For further information regarding the submitted RFIs please see Attachment W17 19.6-Request for Information Log.

### 12. Summary of Payments and Accrued Expenditures

One payment was received during the current reporting period, the payment was submitted during the previous reporting period and covered the project mobilization; the following table provides a summary of the payment status.

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						
1	27-Sep-12	26-Oct-12	\$ 300,234.69	\$0.00	\$ 300,234.69	13-Nov-12	15-Nov-12	29-Nov-12

Table 12.1-W17-Payment Summary

During the current reporting period IRD accrued a payment in the amount of \$ 360,200.09.

### 13. Variation Orders and Variation Order Requests

No Variation Orders or Variation Order Requests were issued for this project during the current reporting period

### 14. Operation, Maintenance and Training

This section is not applicable for the current reporting period

### 15. Summary of Working/Non-Working Days

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

1.	Total Period of Performance (Original)	550 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days during this month	19 Calendar Days
6.	Accumulated Working Days	67 Calendar Days
7.	Total No. of non-working days(Holidays and weekends) during this month	5 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	18 Calendar Days
9.	No. of other non-working days (notice of suspension received on December 19, 2012) during this month	7
10.	Accumulated other non-working days ( notice of suspension received on December 19, 2012)	7

Table 15.1-W17-Summary of Working/ Non-Working Days

### 16. Project Indicators

#### 16.1. 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 station.	100 m <sup>3</sup> / hrs. = 2,400 m <sup>3</sup> /day
The average consumption rate of Palestinians (per capita) for Hebron and Bethlehem	(14629240+8150014)m <sup>3</sup> /365 day /(196053+614257)capita = 0.077 m <sup>3</sup> /Capita/Day
No. of Beneficiaries	2,400/0.77=31,1694440/0.077 = 57,662

Table 16.1-W17-Target Value for Project 1

## 16.2. Indicator #2: Person days of Employment Generated

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

- Estimated Target Value, 10,418 person days;
- Employment generated previously; 582 person days;
- Employment generated this month; 485 person days;
- Total cumulative employment generated to-date 1067 person days.

## 17. General Comments, Arisen Issues and Problems Encountered

The following table summarizes the problems and issues encountered for this project during the current reporting period

Issue	Description	Responsible Party	Remedial Measures /Comments
Significant drop in the SWL	On December 19, 2012, IRD received a "Notice of Suspension of Work" signed by the Contracting Officer of the USAID. This notice was issued due to the significant drop in the SWL (70 m)	Client	All project related activities including procurement activities have been suspended until further instructions are received from USAID
Repeated revision of site layout	Repeated revisions in the Site Grading and Drainage Plan (DWG-CO05-C03/SHEET 5C-3) due to property issues, enlargement to the area of the site upon the request of PWA and subsequently changes in the site levels.	Engineer	Accordingly shop drawings of the retaining walls had to be continuously revised and the levels of the retaining walls for the western retaining walls had to be updated and therefore have not been finalized. Attention of B&V was drawn to this issue in the TOM email dated December 15, 2012, under various issues related to retaining walls and the new road.
The Alignment of the earth road between St. 0+000 and St. 1+775	The Alignment of the earth road between St. 0+000 and St. 1+775 has not been finalized despite marking the centerline of the road in the field and the resurvey to the section of the road between St. 0+000 and St. 0+500.	Engineer	Accordingly work on the eastern retaining walls between points 1-13 is stopped despite the approval of the shop drawings on Dec.08/2012 via submittal No.W17-084-B in addition to the scheduled earth work on the earth road between stations 0+060 and 1+775 as a result of the delay in receiving Engineer's the final response to submittal SUB-02-W17-083-A submitted on Nov.28/2012.

**Table 17.1-W17-Problems and Issues Summary Table**

**18. Construction Photos**

		
<p><b>Photo No.1-W17:</b> IRD SECO distributing Flyers to Za'atara Residents <b>Photo Date:</b> 29-Nov-2012</p>	<p><b>Photo No.2-W17:</b> Second session of the pre-submittal conference at Ardan Factory –Netanya regarding instrumentation <b>Photo Date:</b> 3-Dec-2012</p>	<p><b>Photo No.3-W17:</b> USAID COR and B&amp;V PM and CM site visit <b>Photo Date:</b> 13-Dec-2012</p>
		
<p><b>Photo No.4-W17:</b> B&amp;V and IRD Staff measuring the SWL for the second time <b>Photo Date:</b> 18-Dec-2012</p>	<p><b>Photo No.5-W17:</b> IRD SECO conducting the third safety tool box meeting on site <b>Photo Date:</b> 19-Dec-2012</p>	<p><b>Photo No.6-W17:</b> Structural excavation activities for the northern retaining wall and under base slab of the balance tank. <b>19-Dec-2012</b></p>
		
<p><b>Photo No.7-W17:</b> Equipment evacuating the site after receiving USAID instruction to suspend the work until further notice <b>Photo Date:</b> 19-Dec-2012</p>	<p><b>Photo No.8-W17:</b> Locking of the entrance gate after evacuation of the equipment and labor from the site <b>Photo Date:</b> 19-Dec-2012</p>	

**19. Attachments**

- W17 19.1 Updated Schedule-Roll-up**
- W17 19.2 “S” Curve**
- W17 19.3 Site Memo Log**
- W17 19.4 Inspection Request Log**
- W17 19.5 Submittal Log**
- W17 19.6 Request for Information Log**
- W17 19.7 Variation Request and Variation Order Log**

## **W17 19.1 Updated Schedule Roll up**

**AID-294-TO-12-00002 - Well 17 PUMP STATION AND CONVEYANCE SYSTEM**

**Original CPM Schedule**

**Suspension Date 19-December-2012**

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			2014				
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr				
<b>Total</b>		392	18-Nov-12	30-Mar-14	0	[Gantt bar from Nov-12 to Mar-14]																						
<b>AID-294-TO-12-00002 - Well 17 PUMP STATION A...</b>		392	18-Nov-12	30-Mar-14	0	[Gantt bar from Nov-12 to Mar-14]																						
<b>Milestones</b>		424	25-Mar-13	30-Mar-14	0	[Gantt bar from Mar-13 to Mar-14]																						
<b>General Milestones</b>		424	30-Mar-14	30-Mar-14	0	[Gantt bar at Mar-14]																						
<b>Intermediate Milestones</b>		347	25-Mar-13	01-Feb-14	0	[Gantt bar from Mar-13 to Feb-14]																						
<b>Mobilization</b>		6				[Gantt bar from Nov-12 to Nov-12]																						
<b>Submittals</b>		422	13-Dec-12	30-Mar-14	0	[Gantt bar from Dec-12 to Mar-14]																						
<b>Pre Construction Submittals</b>		53				[Gantt bar from Dec-12 to Dec-12]																						
<b>Construction Submittals</b>		325	13-Dec-12	24-Nov-13	75	[Gantt bar from Dec-12 to Nov-13]																						
<b>Material Submittals</b>		186	13-Dec-12	03-Jun-13	176	[Gantt bar from Dec-12 to Jun-13]																						
<b>Civil</b>		186	13-Dec-12	03-Jun-13	137	[Gantt bar from Dec-12 to Jun-13]																						
<b>Mechanical</b>		106	27-Dec-12	21-Mar-13	238	[Gantt bar from Dec-12 to Mar-13]																						
<b>Abroad Manufacturer ( Long Lead Items)</b>		61	27-Dec-12	25-Feb-13	102	[Gantt bar from Dec-12 to Feb-13]																						
<b>Local Manufacturer</b>		106	20-Jan-13	21-Mar-13	238	[Gantt bar from Jan-13 to Mar-13]																						
<b>Electrical</b>		57	17-Dec-12	25-Feb-13	243	[Gantt bar from Dec-12 to Feb-13]																						
<b>Abroad Manufacturer ( Long Lead Items)</b>		57	27-Dec-12	25-Feb-13	243	[Gantt bar from Dec-12 to Feb-13]																						
<b>Local Manufacturer</b>		48	17-Dec-12	25-Feb-13	229	[Gantt bar from Dec-12 to Feb-13]																						
<b>Shop Drawings</b>		324	13-Dec-12	24-Nov-13	75	[Gantt bar from Dec-12 to Nov-13]																						
<b>Civil</b>		323	13-Dec-12	23-Nov-13	76	[Gantt bar from Dec-12 to Nov-13]																						
<b>Electrical</b>		266	22-Dec-12	24-Nov-13	32	[Gantt bar from Dec-12 to Nov-13]																						
<b>Mechanical</b>		265	27-Dec-12	01-Oct-13	88	[Gantt bar from Dec-12 to Oct-13]																						
<b>Methods Statement</b>		184	14-Jan-13	06-Jun-13	162	[Gantt bar from Jan-13 to Jun-13]																						
<b>Civil</b>		141	14-Jan-13	16-Apr-13	158	[Gantt bar from Jan-13 to Apr-13]																						
<b>Mechanical</b>		46	14-Apr-13	06-Jun-13	100	[Gantt bar from Apr-13 to Jun-13]																						
<b>Electrical</b>		46	14-Apr-13	06-Jun-13	162	[Gantt bar from Apr-13 to Jun-13]																						
<b>Post Construction Submittals</b>		30	23-Feb-14	30-Mar-14	0	[Gantt bar at Feb-14]																						
<b>Procurement</b>		240	18-Nov-12	20-Oct-13	70	[Gantt bar from Nov-12 to Oct-13]																						
<b>Well Pump,Electrical Equipments&amp;Instrumentation,...etc</b>		240	18-Nov-12	20-Oct-13	70	[Gantt bar from Nov-12 to Oct-13]																						
<b>Donation Number Process</b>		45	18-Nov-12	13-Jan-13	10	[Gantt bar from Nov-12 to Jan-13]																						
<b>Waiver Process for Electrical Long Items</b>		30	27-Dec-12	03-Feb-13	50	[Gantt bar from Dec-12 to Feb-13]																						
<b>Material Order &amp; Manufacture</b>		139	15-Jan-13	01-Aug-13	65	[Gantt bar from Jan-13 to Aug-13]																						

- █ Actual Work
- █ Remaining Work
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Date	Revision	Checked	Approved
13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			2014
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
<b>Retaining Walls</b>																								
	<b>Retaining Walls (ST1,ST2 &amp; ST3) 6 Expansion Joint</b>	32	23-Jan-13	06-Mar-13	62																			
	Civil & Structural Works	32	23-Jan-13	06-Mar-13	62																			
	<b>Boundary &amp; Retaining Wall (ST3 to ST4)</b>	35	27-Jan-13	13-Mar-13	58																			
	Civil & Structural Works	35	27-Jan-13	13-Mar-13	58																			
	<b>Retaining Walls (ST4 to ST5)</b>	43	30-Jan-13	25-Mar-13	50																			
	Civil & Structural Works	43	30-Jan-13	25-Mar-13	50																			
	<b>Boundary Walls (ST5 to ST6)</b>	42	03-Feb-13	27-Mar-13	38																			
	Civil & Structural Works	42	03-Feb-13	27-Mar-13	38																			
	<b>Retaining Walls (ST6 to ST7)</b>	47	06-Feb-13	04-Apr-13	50																			
	Civil & Structural Works	47	06-Feb-13	04-Apr-13	50																			
	<b>Retaining Walls (ST8 to ST9)</b>	53	10-Feb-13	15-Apr-13	38																			
	Civil & Structural Works	53	10-Feb-13	15-Apr-13	38																			
	<b>Retaining &amp; Boundary Wall (ST9 to ST10)</b>	52	14-Feb-13	17-Apr-13	38																			
	Civil & Structural Works	52	14-Feb-13	17-Apr-13	38																			
	<b>Boundary Wall (ST10 to ST11)</b>	51	18-Feb-13	20-Apr-13	26																			
	Civil & Structural Works	51	18-Feb-13	20-Apr-13	26																			
	<b>Boundary Wall (ST11 to ST2)</b>	52	20-Feb-13	22-Apr-13	38																			
	Civil & Structural Works	52	20-Feb-13	22-Apr-13	38																			
<b>Harvesting Cistern</b>																								
	Civil & Structural Works	52	06-Nov-13	18-Jan-14	3																			
	Electrical & Instrumentation Works	3	09-Nov-13	12-Nov-13	27																			
	Plumbing Works	3	07-Nov-13	11-Nov-13	46																			
	Mechanical Works	5	12-Nov-13	18-Nov-13	27																			
	Finishing Works	6	05-Jan-14	14-Jan-14	3																			
<b>Septic &amp; Seepage Tank</b>																								
	Civil & Structural Works	194	22-May-13	27-Jan-14	3																			
	Finishing Works	7	07-Aug-13	19-Aug-13	57																			
	Plumbing Works	66	28-May-13	24-Aug-13	120																			
<b>Electrical &amp; Control Building</b>																								
	Civil & Structural Works	75	02-Apr-13	29-Jun-13	69																			
	Finishing Works	122	30-Jun-13	30-Nov-13	21																			
	Mechanical Works	133	04-Jul-13	21-Dec-13	21																			
	Electrical & Instrumentation Works	205	16-Apr-13	28-Dec-13	22																			
	HVAC-Plumping	6	21-Dec-13	29-Dec-13	21																			

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13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			2014
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
	<b>Coatings &amp; Finishing Works</b>	14	19-Aug-13	04-Sep-13	57												04-Sep-13							
	<b>Chlorination &amp; Storage Building</b>	107	14-Jul-13	25-Nov-13	46													25-Nov-13						
	<b>Civil &amp; Structural Works</b>	76	14-Jul-13	20-Oct-13	32													20-Oct-13						
	<b>Finishing Works</b>	21	20-Oct-13	13-Nov-13	46														13-Nov-13					
	<b>Mechanical Works</b>	67	02-Sep-13	19-Nov-13	46														19-Nov-13					
	<b>Electrical &amp; Instrumentation Works</b>	93	28-Jul-13	19-Nov-13	51														19-Nov-13					
	<b>HVAC-Plumping</b>	5	19-Nov-13	25-Nov-13	46														25-Nov-13					
	<b>Coatings &amp; Finishing Works</b>	7	20-Oct-13	28-Oct-13	32														28-Oct-13					
	<b>Living Quarters Building</b>	146	15-Jun-13	15-Dec-13	31															15-Dec-13				
	<b>Civil &amp; Structural Works</b>	77	15-Jun-13	23-Sep-13	7														23-Sep-13					
	<b>Finishing Works</b>	57	23-Sep-13	28-Nov-13	36															28-Nov-13				
	<b>Mechanical Works</b>	122	01-Jul-13	01-Dec-13	36															01-Dec-13				
	<b>Electrical &amp; Instrumentation Works</b>	116	06-Jul-13	28-Nov-13	43															28-Nov-13				
	<b>HVAC-Plumping</b>	49	10-Oct-13	08-Dec-13	36															08-Dec-13				
	<b>Coatings &amp; Finishing Works</b>	14	26-Nov-13	15-Dec-13	7															15-Dec-13				
	<b>Electrical Metering Building</b>	98	05-Sep-13	06-Jan-14	17																06-Jan-14			
	<b>Civil &amp; Structural Works</b>	69	05-Sep-13	25-Nov-13	22																25-Nov-13			
	<b>Finishing Works</b>	16	25-Nov-13	16-Dec-13	25																16-Dec-13			
	<b>Electrical &amp; Instrumentation Works</b>	75	10-Sep-13	08-Dec-13	31																08-Dec-13			
	<b>HVAC-Plumping</b>	5	16-Dec-13	23-Dec-13	25																23-Dec-13			
	<b>Coatings &amp; Finishing Works</b>	14	15-Dec-13	06-Jan-14	7																06-Jan-14			
	<b>Pads &amp; Slabs</b>	108	09-Sep-13	26-Jan-14	4																	26-Jan-14		
	<b>Civil &amp; Structural Works</b>	47	09-Sep-13	03-Nov-13	4																03-Nov-13			
	<b>Electrical &amp; Instrumentation Works</b>	16	01-Oct-13	20-Oct-13	77																20-Oct-13			
	<b>Mechanical Works</b>	22	22-Dec-13	26-Jan-14	4																	26-Jan-14		
	<b>Finishing Works</b>	2	20-Oct-13	22-Oct-13	68																22-Oct-13			
	<b>Well Systems</b>	139	14-Jul-13	12-Jan-14	0																	12-Jan-14		
	<b>Wellhead and Pad (Structural)</b>	48	14-Jul-13	17-Sep-13	71																17-Sep-13			
	<b>Mechanical</b>	35	14-Oct-13	23-Nov-13	0																	23-Nov-13		
	<b>Electrical &amp; Instrumentation Works</b>	20	12-Dec-13	12-Jan-14	0																	12-Jan-14		
	<b>Yard Works &amp; Site Electrical Power</b>	70	26-Oct-13	28-Jan-14	2																	28-Jan-14		
	<b>External &amp; Finishing Works</b>	70	26-Oct-13	28-Jan-14	2																	28-Jan-14		
	<b>Mechanical Works</b>	24	03-Nov-13	01-Dec-13	2																	01-Dec-13		
	<b>Electrical &amp; Instrumentation Works</b>	70	26-Oct-13	28-Jan-14	2																	28-Jan-14		

- Actual Work
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▼ Summary



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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			2014	
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
<b>CONVEYANCE SYSTEM PHASE</b>																									
<b>Execution of Transmission Pipeline from Well#17 to IZZ2</b>																									
<b>Preparing Detours &amp; Apply Traffic Control Plan</b>																									
<b>SEG.NO.1 Trans. Main (St. 0+098 to St. 0+500)DN 300MM</b>																									
<b>SEG.NO.2 Trans. Main (St. 0+500 to St. 1+000)DN 300MM</b>																									
<b>SEG.NO.3 Trans. Main (St. 1+000 to St. 1+500)DN 300MM</b>																									
<b>SEG.NO.4 Trans. Main (St. 1+500 to St. 2+000)DN 300MM</b>																									
<b>SEG.NO.5 Trans. Main (St. 2+000 to St. 2+500)DN 300MM</b>																									
<b>SEG.NO.6 Trans. Main (St. 2+500 to St. 3+000)DN 300MM</b>																									
<b>SEG.NO.7 Trans. Main (St. 3+000 to St. 3+500)DN 300MM</b>																									
<b>SEG.NO.8 Trans. Main (St. 3+500 to St. 4+053.24 POE)DN...</b>																									
<b>PLC &amp; SCADA System at IZZ2</b>																									
<b>Execution of Road Way</b>																									
<b>PHASE I</b>																									
<b>Road Way New Road (St.0+019.88 to St.0+600)</b>																									
Apply Traffic Control Plan / Safety Measurments / Coordination With Israe...																									
Excavation and Earth Works																									
Sub-Base and Base Course Works																									
Curb Stone Works																									
Asphalt Works																									
<b>Road Way New Road (St.0+600 to St.1+200)</b>																									
Apply Traffic Control Plan / Safety Measurments / Coordination With Israe...																									
Excavation and Earth Works																									
Sub-Base and Base Course Works																									
Curb Stone Works																									
Asphalt Works																									
<b>Road Way New Road (St.1+200 to St.1+764.7)</b>																									
Apply Traffic Control Plan / Safety Measurments / Coordination With Israe...																									
Excavation and Earth Works																									
Sub-Base and Base Course Works																									
Curb Stone Works																									
Asphalt Works																									
Concrete Dithches																									
<b>PHASE II</b>																									
<b>Road Way Repair (St.1+764.7 to St.4+038.42)</b>																									
Apply Traffic Control Plan / Safety Measurments / Coordination With Israe...																									
Excavation and Repair Works																									
Base Course Works																									
Repairing Asphalt Works																									
<b>PHASE III</b>																									

- █ Actual Work
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13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014		2014
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	Road Way (St.0+019.88 to St.4+038.42)	10	27-Oct-13	07-Nov-13	96																		
	Road Accessories	10	27-Oct-13	07-Nov-13	96																		
	<b>(O&amp;M),Inspection,Commissioning,Start Up &amp; Training</b>	349	19-Dec-12	17-Mar-14	0																		
	Initial Operation & Manufacturer Technical Manual Sub...	138	19-Dec-12	13-Jun-13	110																		
	Approval - Final Operation & Manufacturer Technical M...	128	10-Feb-13	16-Jul-13	141																		
	Certificate of Proper Installation for Installed Equipmen...	12	02-Feb-14	17-Feb-14	0																		
	Training Phase	22	18-Feb-14	17-Mar-14	0																		
	Comissioning & Start Up Phase for All System	22	18-Feb-14	17-Mar-14	0																		
	Demobilization,Close Out&Handing Over	10	18-Mar-14	30-Mar-14	0																		

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Summary



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13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

## **W17 19.2 S-Curve**



INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

TO .No.2

USAID Order # 294-TO-12-00002

Well 17 Pump Station & Conveyance System

Total Contract Value Less Day Work: (Original)

NTP (Notice to Proceed):

Duration of Contract:

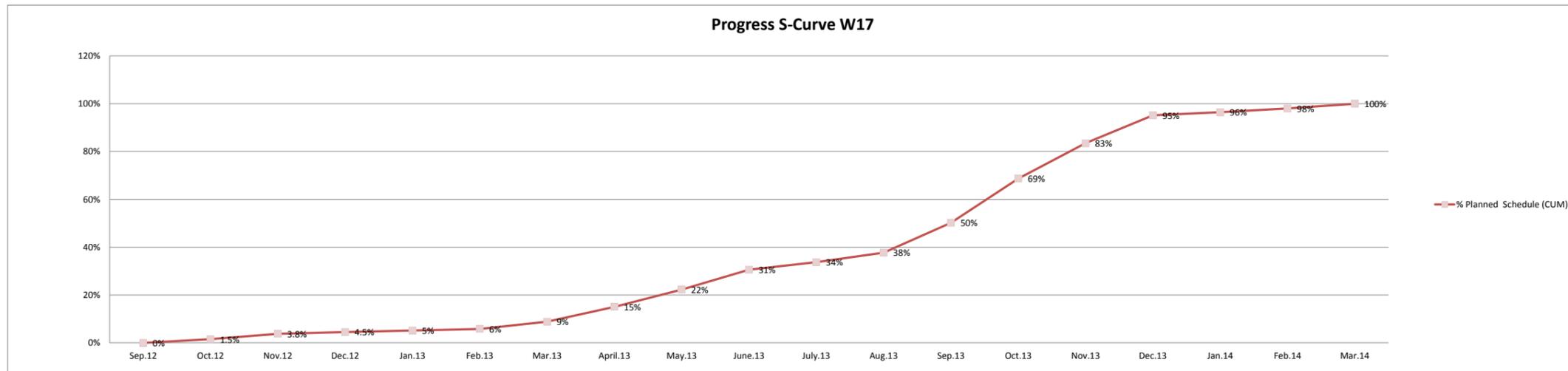
Completion Date:

Data Date:

USD
\$8,279,307.45
27-Sep-12
550 Calendar Days
30-Mar-14
19-Dec-12

PROGRESS S-CURVE & CASH FLOW SCHEDULE

	Sep.12	Oct.12	Nov.12	Dec.12	Jan.13	Feb.13	Mar.13	April.13	May.13	June.13	July.13	Aug.13	Sep.13	Oct.13	Nov.13	Dec.13	Jan.14	Feb.14	Mar.14	TOTAL
<b>Planned Schedule Value (Baseline)</b>	\$ -	\$126,160.88	\$189,241.31	\$58,125.28	\$55,191.11	\$55,872.71	\$246,896.86	\$518,139.68	\$598,510.02	\$685,351.52	\$257,571.51	\$334,762.17	\$1,031,024.95	\$1,534,514.14	\$1,219,762.81	\$965,929.76	\$107,389.21	\$129,206.29	\$165,657.24	\$ 8,279,307.45
<b>Planned Schedule Value (CUM)</b>	\$ -	\$ 126,160.88	\$ 315,402.19	\$ 373,527.47	\$ 428,718.58	\$ 484,591.29	\$ 731,488.15	\$ 1,249,627.83	\$ 1,848,137.85	\$ 2,533,489.37	\$ 2,791,060.88	\$ 3,125,823.05	\$ 4,156,848.00	\$ 5,691,362.14	\$ 6,911,124.95	\$ 7,877,054.71	\$ 7,984,443.92	\$ 8,113,650.21	\$ 8,279,307.45	\$ 8,279,307.45
<b>% Planned Schedule</b>	0%	1.5%	2.3%	0.7%	1%	1%	3%	6%	7%	8%	3%	4%	12%	19%	15%	12%	1%	2%	2%	100%
<b>% Planned Schedule (CUM)</b>	0%	1.5%	3.8%	4.5%	5%	6%	9%	15%	22%	31%	34%	38%	50%	69%	83%	95%	96%	98%	100%	100%



## W17 19.3 Site Memo Log



**Infrastructure Needs Program II- INP II**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Well #17 Pump Station and Conveyance System

**Incoming Memoranda from Engineer to CONTRACTOR (EC) Log**

Number	Description/Subject	Date Received	Response Date	Comments
Memo-02-W17-E-C-002	Well 17 Scope of work	27-11-2012		Delete the duty water pumps with all associated equipment
Memo-02-W17-E-C-003	Site Layout	27-11-2012		Revised Site Layout.
Memo-02-W17-E-C-004	Site Layout	10-Dec-12		Revised Site Layout.



**Infrastructure Needs Program II- INP II**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Well #17 Pump Station and Conveyance System

**Memoranda from CONTRACTOR to Engineer (CE) Log**

Number	Description/Subject	Date Received	Response Date	Comments
No Site Memos were issued from the Contractor to the Engineer during the current reporting Period				

## **W17 19.4 Inspection Request Log**

## Inspection Request Log

**Task Order:** AID - 294 - TO - 12 - 00002  
**Project:** Well #17 Pump Station and Conveyance System

No.	Request Date	Date Inspection Required	Description of Works Inspected	Sender/ Recipient	1st Inspection		2nd Inspection	
					Response Date	Grade	Response Date	Grade
IR-02-W17-06-A	28-Nov-12	29-Nov-12	Structural excavation for balance tank up to depth of 462.4 and inspection by building center to verify the encountered soil at that depth.	IRD/BV	29-Nov-12	Amend - Resubmit		
IR-02-W17-07-A	29-Nov-12	1-Dec-12	Inspecting the coordinates of the site as per drawing WB-CO09-C03 .	IRD/BV	2-Dec-12	Make Corrections Noted		
IR-02-W17-08-A	1-Dec-12	2-Dec-12	To inspect the level and location for selected areas for excavation at well 17 and per the attached drawing.	IRD/BV	2-Dec-12	Make Corrections Noted		
IR-02-W17-09-A	2-Dec-12	3-Dec-12	Excavation for area 1&2 where shown on attachment.	IRD/BV	4-Dec-12	Make Corrections Noted		
IR-02-W17-10-A	8-Dec-12	8-Dec-12	Start of structural excavations for the balance tanks as shown on attached drawing.	IRD/BV	8-Dec-12	Make Corrections Noted		
IR-02-W17-11-A	15-Dec-12	15-Dec-12	Inspecting levels of the structural excavation for the eastern RWs between points 1-13 and the Northern RWs between points 1-2 in order to start the concrete work for the RWs.	IRD/BV	15-Dec-12	Make Corrections Noted		
IR-02-W17-12-A	19-Dec-12	19-Dec-12	Inspecting levels and dimensions of the structural excavation for foundation of the Northern RWs between points 1-2.	IRD/BV	Response not Received - Project was suspended on the same day			

## W17 19.5 Submittal Log

Submittal Categories		Submittal Classification		Identifiers:			Resubmittal Alpha Identifier			Submittal Disposition/ Color Coding		
<b>PD</b>	PRODUCT DATA	<b>PCS</b>	Preconstruction	<b>WJN</b>	: Task Order No 02 Identifier		<b>First Submittal</b>	SUB-02-W17-001-A		<b>A</b>	- No Exceptions Noted	
<b>SD</b>	SHOP DRAWINGS	<b>CONS</b>	Construction	<b>W17</b>	: Project 1 Identifier		<b>First RE-Submittal</b>	SUB-02-W17-001-B		<b>B</b>	- Make Corrections Noted	
<b>AD</b>	ADMINISTRATIVE/OTHER	<b>PSTS</b>	Post construction	<b>JNT</b>	: Project 2 Identifier		<b>Second Resubmittal</b>	SUB-02-W17-001-C		<b>C</b>	- Amend and Resubmit	
<b>TR</b>	TEST REPORT									<b>D</b>	- Rejected- Resubmit	
<b>SCH</b>	SCHEDULE									<b>E</b>	- Review Not Required	
<b>RPT</b>	REPORT									<b>Submitted Pending Resonse</b>		
<b>SMP</b>	SAMPLE											
<b>CO</b>	COMPLETION & CLOSEOUT											
<b>MAT</b>	MATERIAL											

A	B	C	D	E	F	G	H	I	J	M	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.	Actual Submission Date	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB 02-W17-09-A	Wire & Cable (Partial) Data Sheet	16120 parag. 2.2, 2.3 & 2.4	PD	CONS	SUB	W17	CS-W17-1130		A	6-Dec-12	5-Jan-13				
SUB-002-W17-026-B	Concrete Mix Design	03300, 1.2 A&B	TR	PCS	SUB	W17	CS-W17-M100	MOB	B	18-Dec-12	18-Jan-13				
SUB-002-WJN-031-B	QA/QC	01400, Basic IQC Contract Section C.9.5	AD	PCS	SUB	WJN	PCS-W17-200 PCS-JNT-200	MOB	B	27-Nov-12	27-Dec-12	28-Nov-12	1	B	
SUB-002-WJN-036-B	Submittals Schedule	01300, P1.1D	AD	PCS	SUB	WJN	PCS-WJN-111	MOB	B	11-Dec-12	11-Dec-12				
SUB-002-WJN-042-B	Pipes and Fittings Product Data	15025, 15000, 02572	PD	PCS	SUB	WJN			B	2-Dec-12	1-Jan-13	9-Dec-12	7	B	
SUB-002-W17-043-B	Proposed Equipment & Material List	16051 section 1.6-D page 4	PD	PCS	SUB	W17	CS-W17-0106	MOB	B	5-Dec-12	5-Jan-12				
SUB-002-WJN-048-A	Breakdown Analysis for W17& JNT			CONS	SUB	WJN			A	15-Nov-12	15-Dec-12	9-Dec-12	24	C	
SUB-002-W17-051-A	Original CPM Construction Schedule	Section 1310	SCM	PCS	SUB	W17	PCS-W17-250	MOB	A	11-Nov-12	11-Dec-12	28-Nov-12	17	C	
SUB-002-W17-051-B	Original CPM Construction Schedule	Section 1311	SCM	PCS	SUB	WJN	CS-W17-250	MOB	B		13-Jan-13				Retracted as SUB-02-WJN-121-A on 17-Dec-12
SUB-002-W17-053-B	Bedding Material	2200 Paragraph: 2.1 C 1&2	TR	CONS	SUB	W17	CS-W17-261			26-Nov-12	26-Dec-12	28-Nov-12	2	B	
SUB-002-W17-061-A	Submersible Turbine Deep Well Pump	Section 11102	PD	CONS	SUB	W17	CS-W17-225		A	19-Nov-12	19-Dec-12	9-Dec-12	20	C	
SUB-002-W17-066-A	PVC Water Stop	03290-P1.3 B&C, 2.2 A-4	PD	CONS	SUB	W17	CS-W17-570		A	22-Nov-12	22-Dec-12	29-Nov-12	7	C	
SUB-002-W17-067-A	Aluminum Roof access hatches	05500, parag. 2.1	PD	CONS	SUB	W17	CS-Well 17-660		A	22-Nov-12	22-Dec-12	29-Nov-12	7	A	
SUB-002-W17-069-A	Shop Drawings for Northern RW (ST1-ST3)	1300 Parag. 1.3	SD	CONS	SUB	W17	CS-Well 17-320		A	22-Nov-12	22-Dec-12	29-Nov-12	7	C	
SUB-002-W17-069-B	Shop Drawings for Northern RW(Point1-Point2)	1300 Parag. 1.3	SD	CONS	SUB	W17	CS-Well 17-320		B	8-Dec-12	7-Jan-13	12-Dec-12	4	B	
SUB-002-W17-070-A	Sample of form tie for retaining walls	3100 parag. 2.3 A	PD	CONS	SUB	W17	CS-Well 17-540		A	24-Nov-12	24-Dec-12	28-Nov-12	4	B	
SUB-002-W17-071-A	Form ties holes filling cementations material	03315 parag. 2.2 A & B	PD	CONS	SUB	W17	CS-Well 17-540		A	24-Nov-12	24-Dec-12	28-Nov-12	4	B	
SUB-002-W17-072-A	Dam proofing rubberized Bitumen Emulsion Nitoproof 230	09800, parag.1.2 A & B 3.9& 3.10	PD	CONS	SUB	W17	CS-Well 17-945		A	24-Nov-12	24-Dec-12	28-Nov-12	4	B	
SUB-002-W17-073-A	Notocote EP 405 epoxy protective coating for internal reservoir walls	09800, parag.1.2 A & B 3.9 A & B	PD	CONS	SUB	W17	CS-Well 17-940		A	24-Nov-12	24-Dec-12	29-Nov-12	5	B	
SUB-002-W17-074-A	Joint Sealant-Thioflex 600	03290, parag.1.2C,1.4D,2.3&2.4C	PD	CONS	SUB	W17	CS-Well 17-760		A	24-Nov-12	24-Dec-12	28-Nov-12	4	B	
SUB-002-W17-075-A	form tie for reservoir walls	03100 parag. 2.3A	PD	CONS	SUB	W17	CS-Well 17-540		A	25-Nov-12	25-Dec-12	28-Nov-12	3	B	
SUB-002-W17-076-A	Concrete & plastic supports/spacers & sample	03200 parag.2.2 B2C, 2.2B3	PD	CONS	SUB	W17	CS-Well 17		A	25-Nov-12	25-Dec-12	29-Nov-12	4	A	
SUB-002-W17-078-A	Shop drawings for western RW (ST-3-ST-5)	1300 P1.3		CONS	SUB	W17	CS-Well 17-320		A	27-Nov-12	27-Dec-12	29-Nov-12	2	C	
SUB-002-WJN-079-A	Reinforcement Steel bars test reports	03200 parag.1.3A	PD	CONS	SUB	WJN	CS-Well 17-560 CS-JNT-M106		A	27-Nov-12	27-Dec-12	28-Nov-12	1	A	
SUB-002-W17-080-A	Perforated polyethylene conduits		PD	CONS	SUB	W17	CS-W17-940		A	27-Nov-12	27-Dec-12	29-Nov-12	2	B	
SUB-002-W17-081-A	Single Size Aggregate	02200 parag. 2.1 C 19/Single size	PD	CONS	SUB	W17	CS-W17-240		A	27-Nov-12	27-Dec-12	28-Nov-12	1	B	
SUB-002-W17-082-A	Hydro-pneumatic potable water system bladder tanks	13208	PD	CONS	SUB	W17	CS-Well 17-660		A	28-Nov-12	28-Dec-12	11-Dec-12	13	C	
SUB-002-W17-083-A	SD Roadway from St. 0+020 to At. 1+775	1300 P 1.3	SD	CONS	SUB	W17	CS-Well 17-300		A	28-Nov-12	28-Dec-12	9-Dec-12	11	C	
SUB-002-W17-084-A	Site layout ( eastern retaining wall ST6-ST9)	01300 parag. 1.3	SD	CONS	SUB	W17	CS-Well 17-320		A	28-Nov-12	28-Dec-12	29-Nov-12	1	C	
SUB-002-W17-084-B	Shop Drawing ( Eastern Retaining Wall Point 1-Point 13)	1300 parag. 1.3	SD	CONS	SUB	W17	CS-Well 17-320		B	8-Dec-12	7-Jan-13	12-Dec-12	4	B	
SUB-002-W17-085-A	Medium Voltage VFD	15457	PD	CONS	SUB	W17	CS-W17-300		A	29-Nov-12	29-Dec-12				
SUB-002-W17-087-A	Swing check valve (8"-PN16)	13203 parag. 2.1	PD	CONS	SUB	W17	CS-W17-571		A	2-Dec-12	1-Jan-12				
SUB-002-WJN-089-A	Welding Procedure	02570 parag.:1.31	PD	CONS	SUB	WJN	CS-627		A	2-Dec-12	1-Jan-13	6-Dec-12	4	C	
SUB-002-WJN-089-B	Welding Procedure	2571 parag.:1.31	PD	CONS	SUB	WJN	CS-628		B		12-Jan-13				Retracted on December 13, 2012
SUB-002-W17-090-A	Process Control and Instrumentation Systems Sub-Contractor (ARDAN PROJECTS)	17100 parag. 1.1 D,F	PD	CONS	SUB	W17	CS-W17-1270		A	3-Dec-12	2-Jan-13				
SUB-002-W17-091-A	Revised Site Survey Layout	01300 parag. 1.3 S.D	SD	CONS	SUB	W17	CS-W17-295		A	3-Dec-12	3-Jan-13				
SUB-002-W17-092-A	Gate Valve and Manual Actuator	15206 parag. 2.3/15201 parag. 2.2	PD	CONS	SUB	W17	CS-571		A	4-Dec-12	4-Jan-13				
SUB-002-W17-095-A	Air Vacuum and air release valves	15230 parag. 2.1	PD	CONS	SUB	W17	CS-571		A	4-Dec-12	4-Jan-13				
SUB-002-W17-096-A	Control Valves	15217 parag. 2.1 C1+8+3/15218 parag. 2.1	PD	CONS	SUB	W17	CS-571		A	4-Dec-12	4-Jan-13				
SUB-002-W17-098-A	Vertical Turbine Pumps-NATIONAL	11103 parag.1.3	PD	CONS	SUB	W17	CS-231		A	4-Dec-12	4-Jan-13				
SUB-002-WJN-099-A	Long Lead and Equipment List.		PD	CONS	SUB	WJN			A	4-Dec-12	4-Jan-13	11-Dec-12	7	B	
SUB-002-W17-0101-A	Dismantling Joint	15000	PD	CONS	SUB	W17	CS-571		A	4-Dec-12	4-Jan-13				

Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Actual Submission Date	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-02-W17-104-A	8-inch Steel Column Pipes	11102 parag. 2.2D	PD	CONS	SUB	W17	CS-361		A	5-Dec-12	5-Jan-13				
SUB-02-W17-105-A	Formwork Design and drawings	03100 parag. 2.2 and 3.2	SD	CONS	SUB	W17	CS-W17-550		A	6-Dec-12	6-Jan-13	13-Dec-12	7	B	
SUB-02-W17-106-A	Earthing System	16450 parag. 1.2	SAM	CONS	SUB	W17	CS-W17-1160		A	6-Dec-12	6-Jan-13				
SUB-02-W17-107-A	Lighting System	16500 parag. 1.3 B	PD	CONS	SUB	W17	CS-W17-1240		A	8-Dec-12	7-Jan-13				
SUB-02-W17-108-A	Shop Drawings (Eastern RW Point 10-Poin 12)	1300 parag. 1.3	SD	CONS	SUB	W17	CS-W17-320		A	9-Dec-12	8-Jan-13	12-Dec-12	3	B	
SUB-02-W17-109-A	Switches , Receptacles and Enclouser & Covers.	16140 parag. 2.2,2.3 &2.4	PD	CONS	SUB	W17	CS-W17-1240		A	9-Dec-12					
SUB-02-W17-111-A	ABB Padmount Transformers Product	16400	PD	CONS	SUB	W17	CS-W17-1150		A	8-Dec-12	7-Jan-13				
SUB-02-W17-112-A	Manhole Cover , Frame and Steps.	02490&14111 parag. 2.11,2.1C,2.2A & 2.1A	PD	CONS	SUB	W17	CS-W17-480		A	10-Dec-12	10-Jan-13	12-Dec-12	1	C	
SUB-02-W17-113-A	Shop Drawing for Seepage pit	1300 & 02671parag. 2.3	SD	CONS	SUB	W17	CS-W17-625		A	10-Dec-12	10-Jan-13	11-Dec-12	1	B	
SUB-02-W17-114-A	Shop Drawing for Septic Tank	1300 & 02671parag. 2.2	SD	CONS	SUB	W17	CS-W17-625		A	10-Dec-12	10-Jan-13	11-Dec-12	1	B	
SUB-02-W17-115-A	Electrical Raceways-Data Sheet	16110 parag. 2.2 B , D&E 2.3 B &D 16111 parag. 2.1E &2.2A 16800 parag.2.1A &D	PD	CONS	SUB	W17	CS-W17-1120		A	11-Dec-12	11-Jan-13				
SUB-02-W17-116-A	Shop Drawings for the Balance Tank	1300 parag. 1.3	SD	CONS	SUB	W17	CS-W17-310		A	11-Dec-12	11-Jan-13				
SUB-02-W17-117-A	Polyethylene Water Tank -Data Sheet.	13675 parag. 1.3B	PD	CONS	SUB	W17	CS-W17-311		A	13-Dec-12	13-Jan-13				
SUB-02-W17-118-A	U-PVC Pipes Sheet	15066	PD	CONS	SUB	W17	CS-W17-471		A	13-Dec-12	13-Jan-13				
SUB-02-W17-119-A	Shop Drawings for the Perforated pipes under the Balance Tank Foundation	1300 parag. 1.3	SD	CONS	SUB	W17	CS-W17-310		A	16-Dec-12	16-Jan-13	17-Dec-12	1	B	
SUB-02-W17-120-A	Steel Mesh Fence	02834 parag.2.2 &2.3	SAM	CONS	SUB	W17	CS-W17-520		A	16-Dec-12	16-Jan-13				
SUB-02-WJN-121-A	Original CPM Construction Schedule	1310	SCM	PCS	SUB	WJN	CS-WJN-250		A	16-Dec-12	16-Jan-13				
SUB-02-W17-122-A	Stainless Steel Sample-Schedule 10S	WB-GO7/Sheet , G-7	SAM	CONS	SUB	W17	CS-W17-250		A	16-Dec-12	16-Jan-13				
SUB-02-W17-124-A	ABB Low Voltage VFD -Product Data.	16455	PD	CONS	SUB	W17	CS-W17-1170		A	18-Dec-12	18-Jan-13				
SUB-02-W17-125-A	0.5 mm PVC Sheet Sample	03300 parag. 2.4C , WB-GS06 Detail S-206	SAM	CONS	SUB	W17	CS-W17-700		A	18-Dec-12	18-Jan-12				

## **W17 19.6 Request for Information Log**

Task Order: AID - 294 - TO - 12 - 00002

NOA: 13-Sep-12

Project: Project 1: Well #17 Pump Station and Conveyance System

### Request for Information Log

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response
RFI-02-W17-C-E-009	Information related to site design geometry and accessibility of PWA service rig (T1700)	N/A	NA	N/A	18-Nov-12	29-Nov-12	11	Answered	Attached drawings
RFI-02-W17-C-E-010	Information related to other protective device studies (protective device and arc flash Analysis)	N/A	NA	N/A	22-Nov-12	9-Dec-12	17	Answered	Contractor shall conduct the required analysis as specified in section 16431 for the LV MCC , including but not limited to short circuit analysis . Furthermore , contractor shall conduct all studies included in section 16431 for the medium voltage 33KV switch gear as per BOQ item 9.3.1 " Refer to amendment #6, Q&A #43 addressing the same issue".
RFI-02-W17-C-E-011	Weep Holes in walls of the retaining walls	N/A	NA	N/A	26-Nov-12	29-Nov-12	3	Answered	Weep holes aren't required
RFI-02-W17-C-E-012	Washout outfall	N/A	NA	N/A	26-Nov-12	10-Dec-12	14	Answered	The out fall be outside the retaining wall ; Contractor to extend the washout pipes. The final location will be determined on site.
RFI-02-W17-C-E-013	Soil bearing capacity and depth of excavation below the mat foundation of the balance tank	N/A	NA	N/A	2-Dec-12	5-Dec-12	3	Answered	Contractors to follow technical recommendations to provide the following : 25 cm base course layer , 40cm rubble concrete , eliminate concrete blinding 8 cm layer
RFI-02-W17-C-E-014	Diameters and spacing of steel reinforcement bars	N/A	NA	N/A	3-Dec-12	5-Dec-12	2	Answered	In reference to point 1 ( Base Slab Rebar): Detail #01 on sheet be applied to long direction of the balance tank , whereas Detail #04 on sheet PS2S-4 shall be applied to short direction , In reference to point 2 (Roof Slab Rebar) : the contractor can use <b>Φ12 @ 190mm T&amp;B instead of Φ13 @ 225mm T&amp;B.</b>
RFI-02-W17-C-E-015	Information related to pressure gauges installation requirement	N/A	NA	N/A	3-Dec-12	9-Dec-12	6	Answered	Type 316SS Pulsation snubber shall be installed between the isolation valve and pressure gauge as clearly specified in section 17108-2.1F and shall be submitted with the PG. The installation method is a contractor responsibility and should be as per the manufacturer recommendation.
RFI-02-W17-C-E-016	Electrical & Instrumentation connections ( Conduits & cabling ) and controls scheme of booster pumps control valves.	N/A	NA	N/A	3-Dec-12				
RFI-02-W17-C-E-017	Additional External Epoxy Coating for Steel Column Pipes	N/A	NA	N/A	5-Dec-12	10-Dec-12	5	Answered	1. The column pipe coupling interior and exterior shall be epoxy coated as part of the requirements (100 amine cure epoxy) . 2.Column pipe material shall be API 5L grade or X60 or API equal strength pipe with minimum thickness of 0.5 inch for the 8" inch pipes and shall be coated and lined in accordance with section 02570 , reference section 15025 items 2.1A and 2.4A. 3. Exterior coating shall comply with section 09800, reference section 02570 item 2.6. However the interior coating of column pipes shall be epoxy coated ( not cement lined ) as mentioned in section 11002 item 2.2D.
RFI-02-W17-C-E-018	Power Source for 48VDC Control Voltage of Medium Voltage Metal-Enclosed Switchgear Circuit Breakers.	N/A	NA	N/A	18-Dec-12				
RFI-02-W17-C-E-019	Changed Site Condition-New Static Water Level measured at well no.17.	N/A	NA	N/A	18-Dec-12				

## **W17 19.7 Variation Request and Variation Order Log**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Well #17 Pump Station and Conveyance System

**Variation Order Request /VOR Log**

VO	Date	Status	Subject	USAID Approval Date	Original Task Order Amount			Previous Task order Amount			Revised Task Order Amount			Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total					

No VORs were issued during the reporting period

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Well #17 Pump Station and Conveyance System

**Variation Order /VO Log**

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	Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total					

No Variation Orders were issued during the current reporting period



## **Infrastructure Needs Program II (INP II)**

### **Construction Monthly Progress Report Month of December, 2012**

#### **TO No. 2**

**Project 2: Al Jaba' Nuba Main Transmisison Piepline**

Prime Contractor:

**International Relief and Development, Inc. (IRD)**

Subcontractor:

**Brothers Company for Contracting**

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## 1. Public Relation and Outreach

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

- Taking photos that show the project related activities;
- Distributing flyers for the project to the residents of Nuba, Kharas and Surif.

## 2. Safety and Environmental Status

During the month of December 2012, IRD continued the implementation of the Safety Plan.

### Traffic Management:

As mentioned in previous monthly progress reports, the traffic management plan was studied and proposed with one lane maintained opened to facilitate public traffic movement with the necessary and required installation of directional signs and the presence of flagmen at all times during construction work.

Since the available width of the existing road is appropriate for one-way passable traffic, thus there will be no disturbance to public traffic during the project construction phases and there will be no need for detours.

Implementation of the approved traffic control plan and the traffic management it is expected to start in mid-January 2013, in conjunction with the first continent of the pipes. Preparation works for the implementation of the approved traffic control plan are underway; IRD delivered 120 L.M of steel mini guard to the storage yard, and a purchase order was issued for the procurement of the traffic signs.

### Safety Meeting:

Safety Meetings were conducted on a weekly basis 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.

The accident statistics can be summarized for the month of December 2012 as follows:

Particulars	Current Month
First Aid Cases	0
Lost Time Cases	0

### Notice of Unsafe Condition:

No Notice of Unsafe conditions was issued to IRD by the CMC during this reporting period.

### Safety Conclusion

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

### 3. Security Coordination

IRD security coordinator organized several meetings with Mekorot and Bet El regarding security coordination for the project. The following table provides a summary of the security coordination activities and meetings carried out during the current reporting period:

Date	Attendees	Purpose
2-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Mekorot representative	Coordination with Mekorot to establish site visit date
3-Dec-12	3. Jafar Salhab, IRD Security Coordinator 4. Bet El Water Commander	Sending donation number request
4-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Mekorot representative	Follow up with Mekorot regarding the site visit
4-Dec-12	3. Jafar Salhab, IRD Security Coordinator 4. Bet El Water Commander	Follow up with Bet El Water Commander regarding the donation number request
10-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Mekorot representative	Meeting with Mekorot representative at the project site to determine the location of the pipeline connection
13-Dec-12	1. Jafar Salhab, IRD Security Coordinator 2. Mekorot representative	Follow up with Mekorot representative regarding determining the location of the pipeline connection

**Table 3.1-JNT-Security Coordination Summary**

### 4. Material or Equipment Delivered to Site

During the current reporting period the following material and equipment were delivered to the project site.

Equipment on Site					
No.	Date	Description	Quantity in use	Hours	Quantity Idle
1.	10-Dec-12	JCB	1	4	0
2.	15-Dec-12	Truck	5	8	0
3.	16-Dec-12	Truck	5	8	0
4.	17-Dec-12	Truck	3	8	0
		JCB	1	3	0
5.	18-Dec-12	Truck	3	5	0
6.	19-Dec-12	Truck	3	8	0
7.		JCB	1	3	0
8.	24-Dec-12	Mobile Crane	1	4	0
9.		Trailer	1	6	0
10.	25-Dec-12	Mobile Crane	1	3	0
11.		Trailer	1	5	0
12.		Truck	5	8	0
13.	26-Dec-12	Truck	5	8	0

**Table 4.1-JNT Equipment on Site**

<b>Material Delivered to Site</b>					
No.	Date	Item	Description	QTY	Location
1.	13-Dec-12	Base course	Delivering base course material near St. 0+900 Surif	150 m <sup>3</sup>	Near St. 0+900
2.	15-Dec-12	Base course	Delivering base course material near St. 0+900 Surif	150 m <sup>3</sup>	Near St. 0+900
3.	16-Dec-12	Base course	Delivering base course material near St. 0+900 and St. 5+200 Surif	120 m <sup>3</sup>	Near St. 0+900 and St. 5+200
4.	17-Dec-12	Single size aggregate	Delivering single size aggregate	210 m <sup>3</sup>	Surif
5.	19-Dec-12	Single size aggregate	Delivering single size aggregate	180 m <sup>3</sup>	Surif (at St. 5+200)
6.	23-Dec-12	Single size aggregate	Delivering single size aggregate	440 m <sup>3</sup>	Surif
7.	24-Dec-12	Steel Pipes	Delivering 12" diameter steel pipes	340.29 LM (28 pcs)	Storage yard at Surif (St. 2+700)
8.	25-Dec-12	Steel Pipes	Delivering 12" diameter steel pipes	376.68 LM (31 pcs)	Storage yard at Surif (St. 2+700)
9.	25-Dec-12	Sand	Delivering sand	221 m <sup>3</sup>	At St. 0+900
10.	26-Dec-12	Single size aggregate	Delivering single size aggregate	283 m <sup>3</sup>	At St. 5+200
11.	26-Dec-12	Sand	Delivering sand	221 m <sup>3</sup>	At St. 0+900
12.	26-Dec-12	Steel mini guard	Delivering steel mini guard	69 pcs.	Storage yard at Surif (St. 2+700)

**Table 4.2-JNT- Material Delivered to Site**

## 5. Progress and Scheduling

The following table provides a summary of the project progress status for the current reporting period

Item	Percentage
Planned percentage complete:	9.6%
Actual percentage complete:	6.61%
Elapsed Time	25.28%

**Table 5.1-JNT-Progress Summary Table**

Project Overall Status: The Project is currently ahead of schedule.

For further details regarding the project progress please see Attachment JNT 19.1- Updated Schedule- Roll-up and one month look ahead schedule.

### Submittal Status

During the current reporting period a total of 21 submittals (including resubmittals) were submitted for this project; 14 submittals were submitted specifically for Project 2, and 7 submittals were submitted for the Task Order, in addition, four submittals were retracted. Review comments were received for 13 submittals, out of which 10 reviewed submittals were received for submittals submitted within the current reporting period, while 3 reviewed submittals were received for submittals submitted

within the previous reporting period, while 11 submittals for the current reporting period remain pending a response from the Engineer.

The following table and graph provide a summary of the submittals disposition status.

Total	Submittal Disposition
1	A – No Exceptions Noted
6	B - Make Corrections Noted
6	C- Amend and Resubmit
0	D- Rejected- Resubmit
0	E- Review Not Required
13	Total Submittals Reviewed

Table 5.2-JNT-Submittal Deposition

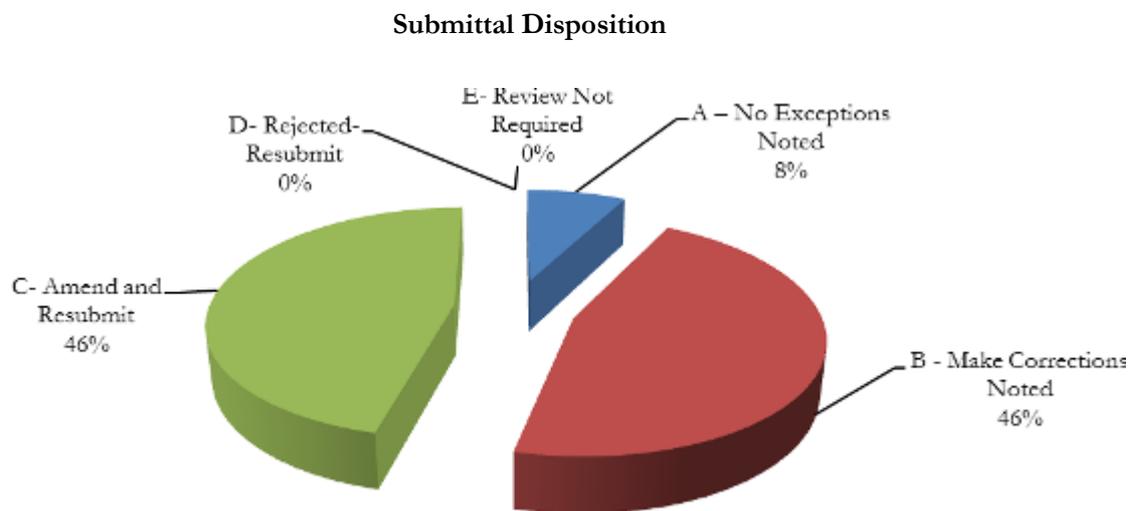


Figure 5.1-JNT-Submittals Deposition

For further details please see attachment JNT 19.5- Submittal Log

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

### The following was achieved during the current reporting period:

- Internal lining and the external coating of 923 LM of 12” diameter steel pipes at FIP factory in Dura-Hebron.
- Fabrication of the 10” and 12” diameter steel pipes at Middle East Pipes Factory in Ramleh-Israel is progressing well. IRD and B&V representatives paid a visit to the Factory at start of the fabrication on December 06, 2012. So far 2,177.39 LM of 10” diameter raw steel pipes have been fabricated and are at FIP factory for application of the external coating and the internal lining.
- Delivery of 300 MC of base course materials and 720 MC of single size aggregates and 221 MC of sand to the project site.
- Delivery of 716.97 LM of 12” diameter steel pipes to the project site.

- Necessary coordination was made with Mekorot to visit and expose the existing steel water pipes at point of connection in Jaba'. Two exiting pipes were exposed on December 12, 2012, and surveyed (250 and 800 mm diameters steel pipes). The existing 400 mm diameter pipe that is supposed to connect with as per contract drawings not found yet and further trials will be conducted to expose in coordination with Mekorot.
- Conducting walkthroughs as listed below:-
  - Surif Area between St. 0+000 and St. 1+500 on December 02, 2012.
  - Surif Area between St. 1+500 and St. 2+500 on December 03, 2012.
  - Surif Area between St. 3+200 and St. 4+200 on December 13, 2012.

**The following are the main activities planned for next month**

- Procurement of 2,177.39 LM of 10” diameter raw steel pipes and 3,000 LM of 12” diameter raw steel pipes.
- External coating and internal lining for 2,177.39 LM of 10” diameter raw steel pipes and 3,000 LM of 12” diameter raw steel pipes.
- Delivering to site 2,177.39 LM of 10” diameter steel pipes and 3,000 LM of 12” diameter steel pipes.
- Trench excavation, placing of bedding material, laying and installation of 12” diameter steel pipes and backfilling in accordance with contract drawings and specification between stations 0+000 and 1+000.
- Asphalt saw cut and ground preparation, trench excavation, placing of bedding material, laying and installation of 12” diameter steel pipes and backfilling in accordance with contract drawings and specification between St.1+000 and St. 2+200.

## **7. Updated Schedule**

IRD delivered 716.97 LM of 12” steel pipe to the project site, an activity which is ahead of schedule, additionally significant progress has been made with respect to the submission of shop drawings for the transmission line where all shop drawings for the transmission line have been submitted. IRD is currently in the process of preparing submittals for the civil and mechanical works, moreover, preparation works for trench excavation are currently underway. For further details please see Attachment JNT 19.1- Updated Schedule Roll-up and One Month Look Ahead.

## 8. Site Memo

During the current reporting period no site memos were issued for this project. For further details please see Attachment JNT 19.3- Site Memo Log

## 9. Inspection Request

During the current reporting period four inspection requests were submitted to the Engineer. For further details please see Attachment JNT 19.4- Inspection Request Log.

## 10. Test Reports

During the current reporting period no testing reports were submitted to the Engineer for approval.

## 11. Request for Information

During the current reporting period no Request for Information (RFI) was submitted to the Engineer for this project. For further information please see Attachment JNT 19.6-Request for Information Log.

## 12. Summary of Payments and Accrued Expenditures

One payment was received during the current reporting period, the payment was submitted during the previous reporting period; the following table provides a summary of the payment status.

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						
1	27-Sep-12	26-Oct-12	\$ 116,774.09	\$0.00	\$ 116,774.09	13-Nov-12	15-Nov-12	29-Nov-12

Table 12.1-JNT-Payment Summary

During the current reporting period IRD accrued the amount of \$103,936.

### 13. Variation Orders and Variation Orders Request

No Variation Orders or Variation Order Requests were issued for this project during the current reporting period.

### 14. Operation, Maintenance and Training

This section is not applicable for the current reporting period.

### 15. Summary of Working/Non-Working Days

1.	Total Period of Performance (Original)	360 Calendar Days
2.	Total Excusable delays/approved extensions	None
3.	Modified Period of Performance	None
4.	Modified Completion Date	None
5.	No. of Working Days during this month	25 Calendar Days
6.	Accumulated Working Days	73 Calendar Days
7.	Total No. of non-working days(Holidays and weekends) during this month	5 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	18 Calendar Days
9.	No. of other non-working days (EXPLAIN REASON) during this month	None
10.	Accumulated other non-working days (EXPLAIN REASON)	None

**Table 15.1-JNT-Summary of Working and Non-Working Days**

### 16. Project Indicators

#### 16.1. 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 supplied through the new pipeline.	185 m <sup>3</sup> /hr = 4,440 m <sup>3</sup> /day
The average consumption rate of Palestinians (per capita) for Hebron and Bethlehem	$(14629240+8150014)\text{m}^3/365 \text{ day} / (196053+614257)\text{capita} = 0.077 \text{ m}^3/\text{day}$
No. of Beneficiaries	$4,440/0.077 = 57,662$

**Table 16.1-JNT-Target Value for Project 2**

## 16.2. Indicator #2: Person days of Employment Generated

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

- Estimated Target Value, 6820 person days;
- Employment generated previously 320 person days;
- Employment generated this month; 227 person days;
- Total cumulative employment generated to-date 547 person days.

## 17. General Comments, Arisen Issues and Problems Encountered

The following table summarizes the problems and issues encountered for this project during the current reporting period

Issue	Description	Responsible Party	Remedial Measures/Comments
Connection to MEKOROT pipeline.	MEKOROT existing steel pipe of 400 mm diameter which is supposed to connect to at the connection point in Jaba' has not been discovered on site despite of the exposure of the existing 10" and 32" diameter steel pipes in the presence of MEKOROT ,B&V, IRD& subcontractor Representatives	Client	Establish the location of the connection point with MEKOROT as quickly as possible to avoid any future interruption.

**Table 17.1-JNT-Problems and Issues Summary Table**

## 18. Construction Photos

		
<p><b>Photo No.1-JNT:</b> B&amp;V and IRD representatives visit to Middle East Pipes Factory in Ramleh <b>Photo Date:</b> 6-Dec-2012</p>	<p><b>Photo No.2-JNT:</b> Exposing Mekerot existing water steel pipes at Jaba' connection point <b>Photo Date:</b> 10-Dec-2012</p>	<p><b>Photo No.3-JNT:</b> 10" diameter Mekerot steel pipe at Jaba' connection point of <b>Photo Date</b> 10-Dec-2012</p>



**Photo No.4-JNT:** 32”diameter Mekerot steel pipe at Jaba' connection point of  
**Photo Date: 10-Dec-2012**



**Photo No.5-JNT:** Walkthrough in Surif between St. 3+200 and St. 4+200  
**Photo Date: 13-Dec-2012**



**Photo No.6-JNT:** Coupon Sample Testing for Welding Procedures Qualifications Records  
**Photo Date 18-Dec-2012**



**Photo No.7--JNT:** Unloading of the 12” diameter steel pipes at St. 2+700 in Surif  
**Photo Date: 24-Dec-2012**



**Photo No.8--JNT:** 28 pieces of the 12” diameter steel pipes that were delivered to site at St. 2+700 in Surif  
**Photo Date: 24-Dec-2012**



**Photo No.9-JNT:** IRD QCM distributing flyers to Surif residents  
**Photo Date 25-Dec-2012**

## **19. Attachments**

- JNT 19.1 Updated Schedule- Roll-up and One Month Look Ahead**
- JNT 19.2 “S” Curve**
- JNT 19.3 Site Memo Log**
- JNT 19.4 Inspection Request Log**
- JNT 19.5 Submittal Log**
- JNT 19.6 Request for Information Log**
- JNT 19.7 Variation Request and Variation Order Log**

**JNT 19.1 Updated Schedule – Roll-Up  
and One Month Look Ahead**

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			2013			
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
<b>Total</b>		278	26-Dec-12	21-Sep-13	0																21-Sep
<b>AID-294-TO-12-00002 - Al Jaba' Nuba Main Trans...</b>		278	26-Dec-12	21-Sep-13	0																21-Sep
<b>Milestones</b>		278	17-Jan-13	21-Sep-13	0																21-Sep
<b>General Milestones</b>		278	21-Sep-13	21-Sep-13	0																21-Sep
<b>Intermediate Milestones</b>		226	17-Jan-13	28-Aug-13	4																28-Aug-13
<b>Mobilization</b>		3																			
<b>Submittals</b>		271	26-Dec-12	16-Sep-13	4																16-Sep
<b>Pre Construction Submittals</b>		74	09-Jan-13	09-Jan-13	-17																09-Jan-13
<b>Construction Submittals</b>		152	26-Dec-12	02-May-13	71																02-May-13
<b>Material Submittal &amp; Approval</b>		92	26-Dec-12	18-Feb-13	111																18-Feb-13
<b>Structural/Civil Material Submittal &amp; Approval</b>		92	26-Dec-12	18-Feb-13	111																18-Feb-13
<b>Mechanical Material Submittal &amp; Approval</b>		80	26-Dec-12	10-Feb-13	12																10-Feb-13
<b>General Requirments</b>		99	14-Jan-13	28-Feb-13	102																28-Feb-13
<b>Shop Drawings Submittal &amp; Approval</b>		110	26-Dec-12	02-May-13	71																02-May-13
<b>Structural / Civil Shop Drawings Submittal &amp; Approval</b>		86	14-Jan-13	02-May-13	71																02-May-13
<b>Mechanical Shop Drawing Submittal &amp; Approval</b>		96	26-Dec-12	15-Apr-13	65																15-Apr-13
<b>Post Construction Submittals</b>		11	04-Sep-13	16-Sep-13	4																16-Sep
<b>Procurement</b>		132	26-Dec-12	04-May-13	95																04-May-13
<b>Construction Material &amp; Equipments</b>		30	10-Feb-13	19-Mar-13	133																19-Mar-13
<b>Steel Pipes,Fettings&amp;Valves</b>		132	26-Dec-12	04-May-13	10																04-May-13
<b>Material Order &amp; Manufacture</b>		117	26-Dec-12	15-Apr-13	10																15-Apr-13
<b>Material Delivery</b>		76	26-Dec-12	04-May-13	10																04-May-13
<b>Execution Phase</b>		171	24-Jan-13	28-Aug-13	4																28-Aug-13
<b>Preparing Detours &amp; Apply Traffic Control Plan</b>		5	24-Jan-13	30-Jan-13	4																30-Jan-13
<b>SEG.NO.1Trans. Main (St. 0+004.62 to St. 1+000)DN 300...</b>		90	31-Jan-13	21-May-13	48																21-May-13
<b>Pipe Line Installation</b>		19	31-Jan-13	25-Feb-13	4																25-Feb-13
<b>Chamber Works</b>		56	27-Feb-13	04-May-13	48																04-May-13
<b>Mechanical &amp; Finishing Works</b>		46	11-Mar-13	04-May-13	48																04-May-13
<b>Structural &amp; Civil Works</b>		51	27-Feb-13	27-Apr-13	48																27-Apr-13

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone
- Summary



Date	Revision	Checked	Approved
13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			2013
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	<b>Testing,Commissioning &amp; Final Road Reinstatement Wo...</b>	15	05-May-13	21-May-13	48								21-May-13					
	<b>SEG.NO.2 Trans. Main (St. 1+000 to St. 2+200)DN 300MM</b>	83	20-Feb-13	29-May-13	48								29-May-13					
	<b>Pipe Line Installation</b>	18	20-Feb-13	13-Mar-13	4							13-Mar-13						
	<b>Chamber Works</b>	15	14-Mar-13	31-Mar-13	84							31-Mar-13						
	<b>Structural &amp; Civil Works</b>	10	14-Mar-13	25-Mar-13	84							25-Mar-13						
	<b>Mechanical &amp; Finishing Works</b>	5	26-Mar-13	31-Mar-13	84							31-Mar-13						
	<b>Testing &amp; Road Reinstatement Works</b>	50	01-Apr-13	29-May-13	48								29-May-13					
	<b>SEG.NO.3 Trans. Main (St. 6+400 to St. 7+600)DN 250MM</b>	73	09-Mar-13	02-Jun-13	48								02-Jun-13					
	<b>Pipe Line Installation</b>	19	09-Mar-13	30-Mar-13	94							30-Mar-13						
	<b>Chamber Works</b>	34	30-Mar-13	08-May-13	61								08-May-13					
	<b>Structural &amp; Civil Works</b>	29	30-Mar-13	02-May-13	66								02-May-13					
	<b>Mechanical &amp; Finishing Works</b>	24	10-Apr-13	08-May-13	61								08-May-13					
	<b>Testing &amp; Road Reinstatement Works</b>	21	09-May-13	02-Jun-13	48								02-Jun-13					
	<b>SEG.NO.4 Trans. Main (St. 7+600 to St. 8+800)DN 250MM</b>	63	24-Mar-13	05-Jun-13	48								05-Jun-13					
	<b>Pipe Line Installation</b>	18	24-Mar-13	13-Apr-13	4							13-Apr-13						
	<b>Chamber Works</b>	20	09-Apr-13	02-May-13	69								02-May-13					
	<b>Structural &amp; Civil Works</b>	20	09-Apr-13	02-May-13	69								02-May-13					
	<b>Mechanical &amp; Finishing Works</b>	10	21-Apr-13	02-May-13	69								02-May-13					
	<b>Testing &amp; Road Reinstatement Works</b>	29	04-May-13	05-Jun-13	48								05-Jun-13					
	<b>SEG.NO.5 Trans. Main (St. 8+800 to St. 10+000)DN 250...</b>	56	07-Apr-13	11-Jun-13	48								11-Jun-13					
	<b>Pipe Line Installation</b>	19	07-Apr-13	28-Apr-13	4							28-Apr-13						
	<b>Chamber Works</b>	15	29-Apr-13	16-May-13	60								16-May-13					
	<b>Structural &amp; Civil Works</b>	10	29-Apr-13	11-May-13	60								11-May-13					
	<b>Mechanical &amp; Finishing Works</b>	5	12-May-13	16-May-13	60								16-May-13					
	<b>Testing &amp; Road Reinstatement Works</b>	22	18-May-13	11-Jun-13	48								11-Jun-13					
	<b>SEG.NO.6 Trans. Main (St. 10+000 to St. 11+355.84)DN ...</b>	80	20-Apr-13	28-Jul-13	27								28-Jul-13					
	<b>Pipe Line Installation</b>	23	20-Apr-13	16-May-13	4							16-May-13						
	<b>Chamber Works</b>	45	18-May-13	09-Jul-13	27								09-Jul-13					
	<b>Structural &amp; Civil Works</b>	40	18-May-13	02-Jul-13	27								02-Jul-13					
	<b>Mechanical &amp; Finishing Works</b>	35	29-May-13	09-Jul-13	27								09-Jul-13					
	<b>Testing &amp; Road Reinstatement Works</b>	12	09-Jul-13	28-Jul-13	27								28-Jul-13					
	<b>SEG.NO.7 Trans. Main (St. 2+200 to St. 3+400)DN 250MM</b>	51	12-May-13	10-Jul-13	24								10-Jul-13					
	<b>Pipe Line Installation</b>	17	12-May-13	30-May-13	4							30-May-13						
	<b>Chamber Works</b>	15	01-Jun-13	17-Jun-13	29								17-Jun-13					
	<b>Structural &amp; Civil Works</b>	10	01-Jun-13	11-Jun-13	29								11-Jun-13					

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone



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13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			2013
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	<b>Mechanical &amp; Finishing Works</b>	5	12-Jun-13	17-Jun-13	29										▼	17-Jun-13		
	<b>Testing &amp; Road Reinstatement Works</b>	14	24-Jun-13	10-Jul-13	24										▼	10-Jul-13		
	<b>SEG.NO.8 Trans. Main (St. 3+400 to St. 4+600)DN 250MM</b>	42	26-May-13	15-Jul-13	24										▼	15-Jul-13		
	<b>Pipe Line Installation</b>	17	26-May-13	13-Jun-13	4										▼	13-Jun-13		
	<b>Chamber Works</b>	17	12-Jun-13	01-Jul-13	26										▼	01-Jul-13		
	<b>Structural &amp; Civil Works</b>	12	12-Jun-13	25-Jun-13	26										▼	25-Jun-13		
	<b>Mechanical &amp; Finishing Works</b>	7	24-Jun-13	01-Jul-13	26										▼	01-Jul-13		
	<b>Testing &amp; Road Reinstatement Works</b>	10	02-Jul-13	15-Jul-13	24										▼	15-Jul-13		
	<b>SEG.NO.9 Trans. Main (St. 4+600 to St. 5+800)DN 250MM</b>	41	08-Jun-13	30-Jul-13	17										▼	30-Jul-13		
	<b>Pipe Line Installation</b>	18	08-Jun-13	27-Jun-13	4										▼	27-Jun-13		
	<b>Chamber Works</b>	15	29-Jun-13	18-Jul-13	17										▼	18-Jul-13		
	<b>Mechanical &amp; Finishing Works</b>	5	10-Jul-13	18-Jul-13	17										▼	18-Jul-13		
	<b>Structural &amp; Civil Works</b>	10	29-Jun-13	10-Jul-13	17										▼	10-Jul-13		
	<b>Testing &amp; Road Reinstatement Works</b>	8	18-Jul-13	30-Jul-13	17										▼	30-Jul-13		
	<b>SEG.NO.10 Trans. Main (St. 5+800 to St. 6+400)DN 250...</b>	46	26-Jun-13	28-Aug-13	4										▼	28-Aug-13		
	<b>Pipe Line Installation</b>	8	26-Jun-13	04-Jul-13	4										▼	04-Jul-13		
	<b>Chamber Works</b>	25	06-Jul-13	13-Aug-13	4										▼	13-Aug-13		
	<b>Mechanical &amp; Finishing Works</b>	15	20-Jul-13	13-Aug-13	4										▼	13-Aug-13		
	<b>Structural &amp; Civil Works</b>	20	06-Jul-13	04-Aug-13	4										▼	04-Aug-13		
	<b>Testing &amp; Road Reinstatement Works</b>	13	14-Aug-13	28-Aug-13	4										▼	28-Aug-13		
	<b>Demobilization,Close Out&amp;Handing Over</b>	10	29-Aug-13	09-Sep-13	4										▼	09-Sep-13		

- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone
- ▼ Summary



Date	Revision	Checked	Approved
13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

# AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission Pipe

## Original CPM Schedule

## One Month Look Ahead

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			2013
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
<b>AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission Pipe</b>																		
<b>Milestones</b>																		
<b>Intermediate Milestones</b>																		
MS-JNT-020	Material Approved & Available	0		17-Jan-13	27													
MS-JNT-030	Start of SEG.NO.1Trans. Main (St. 0+004.62 to St. 1+000)DN...	0	31-Jan-13		4													
<b>Submittals</b>																		
<b>Pre Construction Submittals</b>																		
PCS-JNT255	Approval of Original CPM Construction Schedule	0		09-Jan-13	-17													
<b>Construction Submittals</b>																		
<b>Material Submittal &amp; Approval</b>																		
<b>Structural/Civil Material Submittal &amp; Approval</b>																		
CS-JNT-M112	Prep.&Submit Chamber Cover -Details/Data Sheets	1	26-Dec-12	26-Dec-12	121													
CS-JNT-M113	Approval of Chamber Cover -Details/Data Sheets	0		04-Feb-13	121													
CS-JNT-M117	Approval of Joints Coating Material & Application Procedures	0		26-Jan-13	39													
CS-JNT-M118	Prep.&Submit Welder Qualifications &Welding Procedure Det...	10	27-Dec-12	13-Jan-13	22													
CS-JNT-M120	Prep.&Submit of Chamber Ladder Details	10	27-Dec-12	13-Jan-13	111													
CS-JNT-M122	Prep.&Submit Water Proofing Material -Data Sheet	10	27-Dec-12	13-Jan-13	111													
<b>Mechanical Material Submittal &amp; Approval</b>																		
CS-JNT-M129	Approval of Flanged Gate Valve 250mm PN40 -Data Sheet&...	0		26-Jan-13	23													
CS-JNT-M131	Approval of Butterfly Valve 300mm PN40 -Data Sheet&Certifi...	0		21-Jan-13	26													
CS-JNT-M133	Approval of Air Valves DN80 -Data Sheet&Certificates	0		13-Jan-13	32													
CS-JNT-M135	Approval of Flow Monitoring Water Meter&Pressure Reducin...	0		13-Jan-13	32													
CS-JNT-M136	Prep.&Submit DN250/300 Washout, 40bar -Data Sheet&Certi...	5	26-Dec-12	03-Jan-13	12													
CS-JNT-M138	Prep.&Submit DN200/250 Washout, 40bar -Data Sheet&Certi...	5	26-Dec-12	03-Jan-13	12													
<b>General Requirments</b>																		
CS-JNT-Mds100	Prep.&Submit Pressure Pipes Testing,Flushing & Disinfection	7	14-Jan-13	23-Jan-13	4													
<b>Shop Drawings Submittal &amp; Approval</b>																		
<b>Structural / Civil Shop Drawings Submittal &amp; Approval</b>																		
CS-JNT-SD100	Prep&Submit Shop Drawing for Flanged Gate Valve Chamber	10	27-Jan-13	09-Feb-13	92													
CS-JNT-SD102	Prep&Submit Shop Drawing for Butterfly Valve Chamber	10	23-Jan-13	04-Feb-13	85													
CS-JNT-SD104	Prep&Submit Shop Drawing for Air Valve Chamber	10	14-Jan-13	27-Jan-13	101													
CS-JNT-SD106	Prep&Submit Shop Drawing for Flow Monitoring Chamber	10	14-Jan-13	27-Jan-13	48													
<b>Mechanical Shop Drawing Submittal &amp; Approval</b>																		

- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone



Date	Revision	Checked	Approved
13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			2013
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
CS-JNT-SD117	Approval of 250mm Pipes Installation Shop Drawing&Details ...	0																
CS-JNT-SD120	Prep&Submit Shop Drawing for Flanged Gate Valve Chamber	10	26-Dec-12	03-Jan-13	36													
CS-JNT-SD122	Prep&Submit Shop Drawing for Butterfly Valve Chamber	10	05-Jan-13	19-Jan-13	98													
<b>Procurement</b>																		
<b>Steel Pipes,Fettings&amp;Valves</b>																		
<b>Material Order &amp; Manufacture</b>																		
PRO-JNT120	1st Order & Manufacture of Steel Pipes&Fittings (FIP)	67	26-Dec-12	13-Feb-13	10													
<b>Material Delivery</b>																		
PRO-JNT160	Clearance & Delivery of 1st Order of Mat.from Factory to the ...	15	26-Dec-12	17-Jan-13	22													
<b>Execution Phase</b>																		
<b>Preparing Detours &amp; Apply Traffic Control Plan</b>																		
EXE-JNT-000010	Preparing Detours & Apply Traffic Control Plan	5	24-Jan-13	30-Jan-13	4													
<b>SEG.NO.1Trans. Main (St. 0+004.62 to St. 1+000)DN 300MM</b>																		
<b>Pipe Line Installation</b>																		
EXE-JNT-000970	Asphalt Saw Cut / Ground Preparation	5	31-Jan-13	06-Feb-13	4													

- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone
- Summary



Date	Revision	Checked	Approved
13-Dec-12	REVISION NO.2 - Sr.Planning Eng.M.AbuSharkh	CM.Ivica N.	COP.Naim Elm...

## **JNT 19.2 S Curve**



INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

TO .No.2  
USAID Order # 294-TO-12-00002

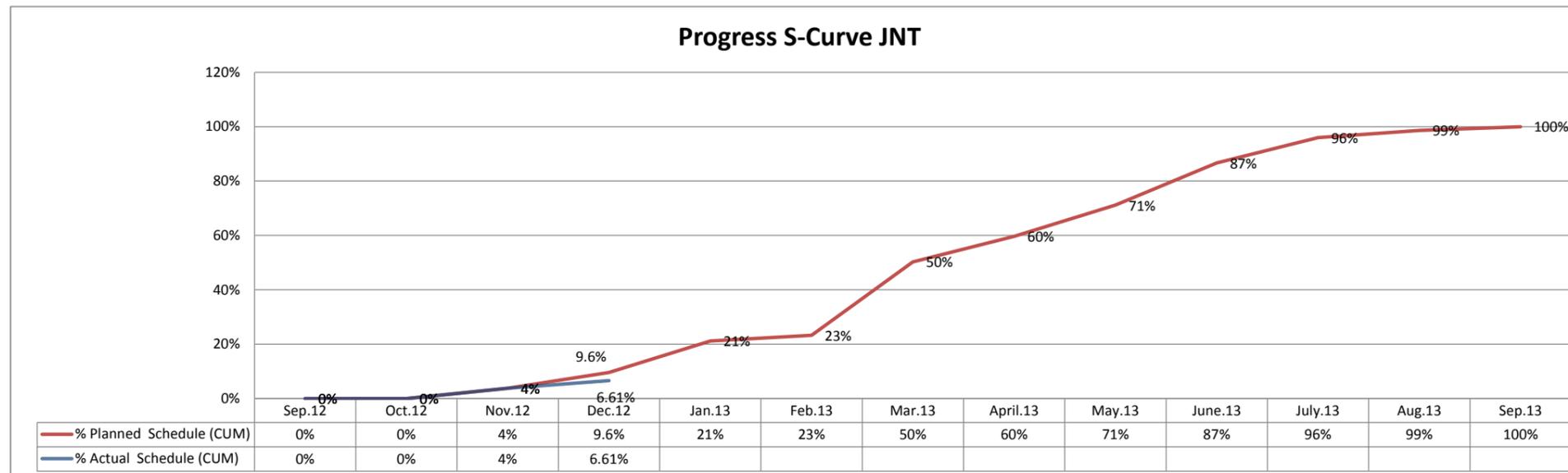
**Al Jaba - Main Transmission Pipeline**

Total Contract Value Less Day Work:  
NTP (Notice to Proceed)  
Duration of Contract:  
Completion Date:  
Data Date:

USD	
	\$3,338,326.60
	27-Sep-12
	360 Calender Days
	21-Sep-13
	26-Dec-12

**PROGRESS S-CURVE & CASH FLOW SCHEDULE**

	Sep.12	Oct.12	Nov.12	Q1 320,718.04 Dec.12	Jan.13	Feb.13	Q2 1,357,409.21 Mar.13	April.13	May.13	Q3 1,215,306.82 June.13	July.13	Aug.13	Q4 444,892.53 Sep.13	TOTAL
<b>Planned Schedule Value (Baseline)</b>			\$127,174.35	\$193,543.69	\$387,087.38	\$69,089.17	\$901,232.66	\$314,304.86	\$382,277.62	\$518,724.34	\$310,559.18	\$88,610.15	\$45,723.20	\$ 3,338,326.60
<b>Planned Schedule Value (CUM)</b>	\$ -	\$ -	\$ 127,174.35	\$ 320,718.04	\$ 707,805.42	\$ 776,894.59	\$ 1,678,127.25	\$ 1,992,432.11	\$ 2,374,709.73	\$ 2,893,434.07	\$ 3,203,993.25	\$ 3,292,603.40	\$ 3,338,326.60	\$ 3,338,326.60
<b>Actual Schedule Value</b>	\$ -	\$ -	\$ 127,174.35	\$ 93,535.91										
<b>Actual Schedule Value (CUM)</b>	\$ -	\$ -	\$ 127,174.35	\$ 220,710.26										
<b>% Planned Schedule</b>	0%	0%	4%	6%	12%	2%	27%	9%	11%	16%	9%	3%	1%	100%
<b>% Planned Schedule (CUM)</b>	0%	0%	4%	9.6%	21%	23%	50%	60%	71%	87%	96%	99%	100%	100%
<b>% Actual Schedule</b>	0%	0%	4%	2.80%										
<b>% Actual Schedule (CUM)</b>	0%	0%	4%	6.61%										



## JNT 19.3 Site Memo Log



**Infrastructure Needs Program II- INP II**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Al Jaba' Nuba Main Transmission Pipeline Project

**Incoming Memoranda from Engineer to CONTRACTOR (EC) Log**

Number	Description/Subject	Date Received	Response Date	Comments
No Site Memos were issued during the current reporting Period				



**Infrastructure Needs Program II- INP II**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Al Jaba' Nuba Main Transmission Pipeline Project

**Memoranda from CONTRACTOR to Engineer (CE) Log**

Number	Description/Subject	Date Received	Response Date	Comments
No Site Memos were issued during the current reporting Period				

## **JNT 19.4 Inspection Request Log**

## Inspection Request Log

**Task Order:** AID - 294 - TO - 12 - 00002  
**Project:** Al Jaba' Nuba Main Transmission Pipeline Project

No.	Request Date	Date Inspection Required	Description of Works Inspected	Sender/ Recipient	1st Inspection		2nd Inspection	
					Response Date	Grade	Response Date	Grade
IR-02-JNT-03-A	8-Nov-12	11-Nov-12	Mobilization	IRD/BV	11-Nov-12	Approved.as noted		
IR-02-JNT-04-A	2-Dec-12	3-Dec-12	Welded steel pipes	IRD/BV	2-Dec-12	make correction noted		
IR-02-JNT-05-A	23-Dec-12	24-Dec-12	Delivery of 923 Lm $\Phi$ 300mm pipes stored on site	IRD/BV	Reponse not Received			
IR-02-JNT-06-A	26-Dec-12	26-Dec-12	Extrnal coating and internal lining of 2177.39 Lm $\Phi$ 250 mm pipes on FIP	IRD/BV	27-Dec-12	make correction noted		
IR-02-JNT-07-A	29-Dec-12	30-Dec-12	Applying of the External Coating and Internal Lining for 1633.5 Lm of 12" $\Phi$ Steel Pipes (108 piece) at FIP Factory .	IRD/BV	Reponse not Received			

## **JNT 19.5 Submittal Log**

Submittal Categories	Submittal Classification	Identifiers:	Resubmittal Alpha Identifier	Submittal Disposition/ Color Coding
<b>PD</b> PRODUCT DATA	<b>PCS</b> Preconstruction	<b>WJN</b> : Task Order No 02 Identifier	<b>First Submittal</b> SUB-02-JNT-001-A	<b>A - No Exceptions Noted</b>
<b>SD</b> SHOP DRAWINGS	<b>CONS</b> Construction	<b>W17</b> : Project 1 Identifier	<b>First RE-Submittal</b> SUB-02-JNT-001-B	<b>B - Make Corrections Noted</b>
<b>AD</b> ADMINISTRATIVE/OTHER	<b>PSTS</b> Post construction	<b>JNT</b> : Project 2 Identifier	<b>Second Resubmittal</b> SUB-02-JNT-001-C	<b>C- Amend and Resubmit</b>
<b>TR</b> TEST REPORT				<b>D- Rejected- Resubmit</b>
<b>SCH</b> SCHEDULE				<b>E- Review Not Required</b>
<b>RPT</b> REPORT				<b>Submitted Pending Responses</b>
<b>SMP</b> SAMPLE				
<b>CO</b> COMPLETION & CLOSEOUT				
<b>MAT</b> MATERIAL				

A	B	C	D	E	F	G	H	J	M	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	Rev.	Actual Submission Date	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-002-WJN-031-B	QA/QC	01400, Basic IQC Contract Section C.9.5	AD	PCS	SUB	WJN	PCS-W17-200 PCS-JNT-200	B	27-Nov-12	27-Dec-12	28-Nov-12	1	B	
SUB-002-WJN-036-B	Submittals Schedule	01300, P1.1D	AD	PCS	SUB	WJN	PCS-WJN-111	B	11-Dec-12	11-Dec-12				
SUB-002-WJN-042-B	Pipes and Fittings Product Data	15025, 15000, 02572	PD	PCS	SUB	WJN		B	2-Dec-12	1-Jan-13	9-Dec-12	7	B	
SUB-002-WJN-048-A	Breakdown Analysis for W17& JNT			CONS	SUB	WJN		A	15-Nov-12	15-Dec-12	9-Dec-12	24	C	
SUB-002-JNT-050-A	Original CPM Construction Schedule	Section 1310	SCM	PCS	SUB	JNT	PCS-JNT-250	A	11-Nov-12	11-Dec-12	28-Nov-12	17	C	
SUB-002-W17-051-B	Original CPM Construction Schedule	Section 1311	SCM	PCS	SUB	WJN	CS-W17-250	B		13-Jan-13				Retracted as SUB-02-WJN-121-A on 17-Dec-12
SUB-002-JNT-065-A	Shop drawings for Main Transmission Pipeline between St. 7+900 to St. 9+900	1300 P1.3	SD	PCS	SUB	JNT	PCS-JNT-SD-116	A	21-Nov-12	21-Dec-12	3-Dec-12	12	B	
SUB-002-WJN-079-A	Reinforcement Steel bars test reports	03200 parag.1.3A	PD	CONS	SUB	WJN	CS-Well 17-560 CS-JNT-M106	A	27-Nov-12	27-Dec-12	28-Nov-12	1	A	
SUB-002-JNT-086-A	Shop drawings for main transmission pipeline between St.9+900 to St.11+351.54	1300 Parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD 116	A	1-Dec-12	30-Dec-12	9-Dec-12	8	C	
SUB-002-JNT-086-B	Shop drawings for main transmission pipeline between St.9+900 to St.11+351.55	1301 Parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD 116	B	16-Dec-12	16-Jan-13				
SUB-002-JNT-088-A	Check valve	13203 parag. 2.1	PD	CONS	SUB	JNT	CS-W17-571	A	2-Dec-12	1-Jan-13				
SUB-002-WJN-089-A	Welding Procedure	02570 parag.:1.31	PD	CONS	SUB	WJN	CS-627	A	2-Dec-12	1-Jan-13	6-Dec-12	4	C	
SUB-002-WJN-089-B	Welding Procedure	2571 parag.:1.31	PD	CONS	SUB	WJN	CS-628	B		12-Jan-13				Retracted on December 13, 2012
SUB-002-JNT-093-A	Gate Valve with Actuators	15206+15201 parag. 2.2	PD	CONS	SUB	JNT	CS-JNT-M128	A		4-Jan-13				Retracted on December 17, 2012
SUB-02-JNT-093-A	Gate Valves with Actuators	15206+15201 parag. 2.2	PD	CONS	SUB	JNT	CS-JNT-M128	A	17-Dec-12	17-Jan-13				
SUB-002-JNT-094-A	Air Vacuum and air release valves	15230 parag. 2.1	PD	CONS	SUB	JNT	CS-JNT-M132	A	4-Dec-12	4-Jan-13				
SUB-002-JNT-097-A	Control Valves and Pressure	15217+15218 parag. 2.1	PD	CONS	SUB	JNT	CS-JNT-M134	A	4-Dec-12	4-Jan-13				
SUB-002-WJN-099-A	Long Lead and Equipment List.		PD	CONS	SUB	WJN		A	4-Dec-12	4-Jan-13	11-Dec-12	7	B	
SUB-002-JNT-0100-A	Dismantling Joint	15000	PD	CONS	SUB	JNT	CS-JNT-M126	A	4-Dec-12	4-Jan-13	9-Dec-12	5	C	
SUB-002-JNT-0100-B	Dismantling Joint	15000	PD	CONS	SUB	JNT	CS-JNT-M126	B	17-Dec-12	17-Jan-13				
SUB-002-JNT-0102-A	Ball Valve with Actuator	15204 parag.2.1+2.2	PD	CONS	SUB	JNT	CS-JNT-M128	A	4-Dec-12	4-Jan-13	9-Dec-12	5	C	
SUB-002-JNT-0103-A	Strainer	15000	PD	CONS	SUB	JNT	CS-JNT-M126	A	4-Dec-12	4-Jan-13	9-Dec-12	5	B	
SUB-02-JNT-110-A	Shop Drawings for Main Transmission Pipeline between St.0+060 to St.2+300	1300 parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD-116	A	8-Dec-12	7-Jan-13	12-Dec-12	1	B	
SUB-02-WJN-121-A	Original CPM Construction Schedule	1310	SCM	PCS	SUB	WJN	CS-WJN-250	A	16-Dec-12	16-Jan-13				
SUB-02-JNT-123-A	Civil Shop Drawings for Water Chambers	1300 parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD-120	A						Retracted on December 23, 2012
SUB-02-JNT-126-A	Shop Drawings for Water Transmission Pipeline between stations 3+900 and 6+400 .	1300 parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD 116	A	23-Dec-12	23-Jan-12				
SUB-02-JNT-127-A	Shop Drawings for Water Transmission Pipeline between stations 2+260 and 3+900 .	1300 parag. 1.3	SD	PCS	SUB	JNT	PCS-JNT-SD-116	A	26-Dec-12	26-Jan-12				
SUB-02-JNT-128-A	Formwork Design and drawings	03100 parag. 2.2+3.2	SD	CONS	SUB	JNT	CS-JNT-SD 110	A	26-Dec-12	26-Jan-12				

## **JNT 19.6 Request for Information Log**

Task Order: AID - 294 - TO - 12 - 00002

Project: Project 1: Well #17 Pump Station and Conveyance System  
 Project 2: Al Jaba' Nuba Main Transmission Pipeline Project

**Request for Information Log**

RFI No.	Subject of RFI	BOQ item no.	Specification no.	Drawing no.	Date Submitted to Engineer	Response Date from Engineer	No. of Days for Engineer Response	Status	Engineer Response	Potential Change Order
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No RFIs were submitted for this project during the current reporting period

## **JNT 19.7 Variation Request and Variation Order Log**

**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Al Jaba' Nuba Main Transmission Pipeline Project

**Variation Order Request /VOR Log**

VO	Date	Status	Subject	USAID Approval Date	Original Task Order Amount			Previous Task order Amount			Revised Task Order Amount			Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total					

No VORs were issued during the reporting period



**Task Order:** AID - 294 - TO - 12 - 00002

**Project:** Al Jaba' Nuba Main Transmission Pipeline Project

**Variation Order /VO Log**

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	Original Contract Duration	Previous VO Time Extension	VO Time Extension	Original Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total					

No Variation Orders were issued during the current reporting period