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## Infrastructure Needs Program II (INP II)

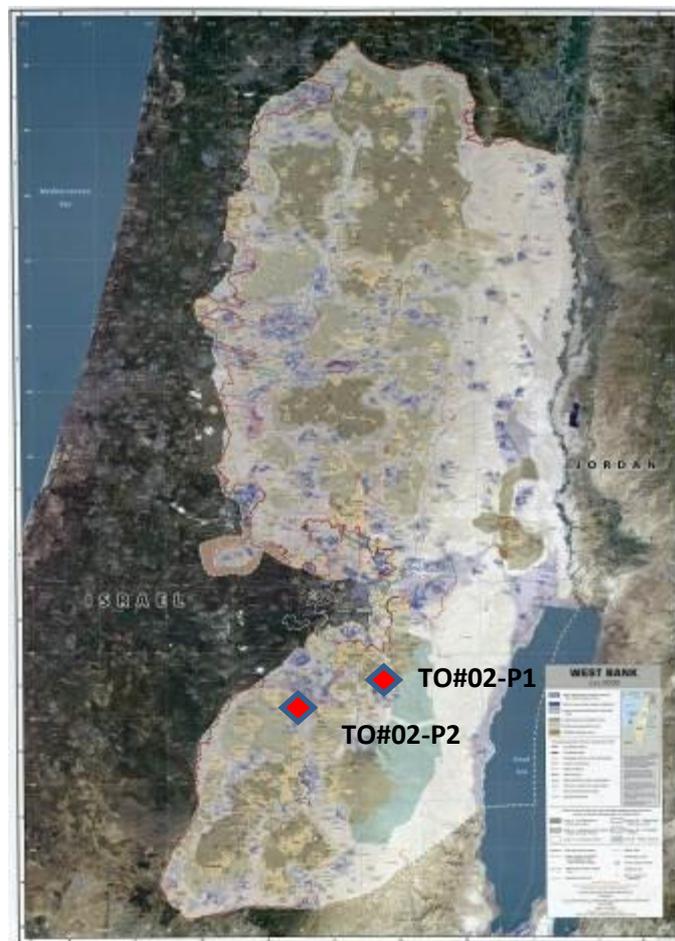
### CONSTRUCTION MONTHLY PROGRESS REPORT Month of June, 2013

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)



July 3, 2013



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

### **Construction Monthly Progress Report Month of June, 2013**

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

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

**Prime Contractor:**

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

**Subcontractor:**

**Al Abassi General Contractors Company Ltd.**

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### 1. Public Relation and Outreach

Not applicable due to handing over the Well Site to the PWA on February 07, 2013.

### 2. Safety and Environmental Status

Not applicable due to handing over the Well Site to the PWA on February 07, 2013.

### 3. Security Coordination

Not applicable due to handing over the Well Site to the PWA on February 07, 2013.

### 4. Material or Equipment Delivered to Site

None, due to handing over the Well Site to the PWA on February 07, 2013.

### 5. Progress and Scheduling

The following table provides a summary of the project progress status

Item	Percentage
Planned percentage complete	N.A. Project suspended on December 19, 2012, terminated on January 9, 2013 and handed over to the PWA on February 07, 2013.
Actual percentage complete	4.35%
Elapsed Time	24.36 % (up to handover to PWA on February 7, 2013)

Table 5.1-W17-Progress Summary Table

Project Overall Status: Project Site handed over to the PWA on February 07, 2013.

#### Submittal Status:

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.

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

None, due to handing over the Well Site to the PWA on February 07, 2013.

### 7. Updated Schedule

Not applicable for this project due to handing over of the project site to the PWA on February 07, 2013.

### 8. Site Memos

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.

### 9. Inspection Requests

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.

### 10. Test Reports

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.

### 11. Request for Information

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.

### 12. Summary of Payments and Accrued Expenditures

No payment was submitted during the current 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						
-	-	-	-	\$486,802.01	\$ 486,802.01	-	-	-

Table 12.1-W17-Payment Summary

The accrued amount through the end of this reporting period is Zero.

### 13. Variation Orders and Variation Order Requests

None.

### 14. Operation, Maintenance and Training

This section is not applicable.

## 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 (after receiving "Notice of Partial Termination" on January 9, 2013)	None
6.	Accumulated Working Days	87 Calendar Days
7.	Total No. of non-working days(Holidays and weekends) during this month	N/A
8.	Accumulated non-working days (Holidays and weekends)	25
9.	No. of other non-working days (notice of partial termination received on January 9, 2013) during this month	N/A
10.	Accumulated other non-working days	22

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	$(14629240+8150014)\text{m}^3/365 \text{ day} / (196053+614257)\text{capita} = 0.077 \text{ m}^3/\text{Capita}/\text{Day}$
No. of Beneficiaries	$2,400/0.077=31,169$

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; 1,436 person days;
- Employment generated this month; zero person days;
- Total cumulative employment generated to-date after February 07, 2013 1,436 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
Settlement with the Client	Settlement with the Client due to Project 1 termination.	IRD & Client	IRD is working on the settlement proposal as per received Notice of partial termination and F.A.R.

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

## 18. Construction Photos

Not applicable due to handing over of the Well Site to the PWA on February 07, 2013.



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

### **Construction Monthly Progress Report Month of June, 2013**

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

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

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 JNT project to the residents of Kharas Village;
- Holding a meeting with Kharas female association on the 26<sup>th</sup> of June, 2013 at Kharas municipality to introduce IRD and give them a brief about Jab`a Nuba project. The meeting was held in the presence of Black & Veatch. During the meeting IRD emphasized on the project main goal which is providing the local community with drinking water in addition to updating the residents about construction progress so far, mentioning the project period of performance, number of beneficiaries 57,000 for all the mentioned villages (Jaba', Surif, Kherbet Deir, Nuba, Kharas).



Photo No.1-Kharas municipality: Meeting with the Kharas female association

Photo Date: 26 June 2013



Photo No.1-Kharas municipality: Meeting with the Kharas female association

Photo Date: 26 June 2013



Photo No.1-Kharas municipality: Meeting with the Kharas female association

Photo Date: 26 June 2013



Photo No.1-Kharas municipality: Meeting with the Kharas female association

Photo Date: 26 June 2013

## 2. Safety and Environmental Status

During the month of June 2013, IRD continued the implementation of the approved Safety Plan.

### **Traffic Management:**

IRD continued with the implementation of the approved traffic control plan with one lane maintained opened to facilitate public traffic movement with the necessary and required installation of directional signs and mini guard and the presence of flagmen at all times at each end during construction work to direct the traffic flow.

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 the original traffic control plan did not include detours. However, due to the use of the trencher, BV and IRD discussed and agreed to the necessity of modifying the original traffic plan to match the usage of the trencher and a detour was added inside Kharas. Finally with all the complicated existing underground utilities inside Kharas village IRD succeeded to execute the work without disturbance to the local residence in addition without any safety violation reported.

### **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.

Additionally, four Safety Tool Box Meetings were conducted during the current reporting period.

### **Accident Status:**

During the current reporting period (0) accident occurred.

The accident statistics for the month of June 2013 can be summarized as follows:

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

### Notice of Unsafe Condition:

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

### Safety Conclusion:

IRD achieved the policy and commitment to deliver the work in a safely manner according to OSHA standards with zero accidents by completing the excavation, installation, welding and asphaltting the transmission line for Jabaa Nuba. The current level of safety is satisfactory with respect to the current work force and progress on site.

### 3. Security Coordination

IRD continued regular communication with Hebron and Bethlehem DCLs regarding security coordination for the project. The following table shows security coordination carried out during the current reporting period:

Date	Attendees	Purpose
May 30, 2013	Mecorot	Meeting with Mecorot, discussing the requirement to connect JNT pipe to their pipe
June 02, 2013	Mecorot	Follow up Mecorot response and comments for JNT shop drawings
June 05, 2013	Mecorot	Follow up Mecorot response and comments for JNT shop drawings
June 09, 2013	Mecorot	Follow up Mecorot response and comments for JNT shop drawings

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 delivered to site					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	27 May, 13	Welding machine	1	10	2
2		Trencher	1	10	0
3		4*4 Car	3	10	0
4		Dumping truck	3	10	0
5		Compactor (BOMAG-BW75)	1	10	0
6		Water tank truck	1	10	0
7		JCB	2	10	1
8		Bobcat	2	10	0

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
9		Mobile crane	1	10	0
10		Compactor (JCB-VMD 120)	1	10	0
11		Asphalt cutting saw	0	0	1
12		Wheel roller	0	0	1
13		Wheel excavator	1	10	0
14	28 May, 13	Welding machine	1	10	2
15		Trencher	1	10	0
16		4*4 Car	3	10	0
17		Dumping truck	3	10	0
18		Compactor (BOMAG-BW75)	1	10	0
19		Water tank truck	1	10	0
20		JCB	2	10	1
21		Bobcat	2	10	0
22		Mobile crane	1	10	0
23		Compactor (JCB-VMD 120)	1	10	0
24		Asphalt cutting saw	0	0	1
25		Wheel roller	0	0	1
26		Wheel excavator	1	10	0
27	29 May,13	Welding machine	1	10	2
28		Trencher	1	10	0
29		4*4 Car	3	10	0
30		Dumping truck	3	10	0
31		Compactor (BOMAG-BW75)	1	10	0
32		Water tank truck	1	10	0
33		JCB	2	10	1
34		Bobcat	2	10	0
35		Mobile crane	1	10	0
36		Compactor (JCB-VMD 120)	1	10	0
37		Asphalt cutting saw	0	0	1
38		Wheel roller	1	10	0
39		Chain excavator -420	1	10	0
40	30 May,13	Welding machine	1	10	2
41		Trencher	0	0	1
42		4*4 Car	3	10	0
43		Dumping truck	3	10	0
44		Compactor (BOMAG-BW75)	1	10	0
45		Water tank truck	1	10	0
46		JCB	2	10	1
47		Bobcat	2	10	0
48		Mobile crane	1	10	0
49		Compactor (JCB-VMD 120)	1	10	0

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
50	1 June,13	Asphalt cutting saw	0	0	1
51		Wheel roller	1	10	0
52		Chain excavator -420	1	10	0
53		Welding machine	0	0	3
54		Trencher	0	0	1
55		4*4 Car	3	10	0
56		Dumping truck	0	0	3
57		Compactor (BOMAG-BW75)	0	0	1
58		Water tank truck	1	10	0
59		JCB	1	10	1
60		Bobcat	1	10	1
61		Mobile crane	0	0	1
62		Compactor (JCB-VMD 120)	1	10	0
63		Asphalt cutting saw	1	2	1
64		Wheel roller	1	10	0
65	Chain excavator -420	0	0	1	
66	2 June,13	Welding machine	0	0	3
67		Trencher	0	0	1
68		4*4 Car	3	10	0
69		Dumping truck	3	10	0
70		Compactor (BOMAG-BW75)	0	0	1
71		Water tank truck	1	10	0
72		JCB	2	10	1
73		Bobcat	2	10	0
74		Mobile crane	0	0	1
75		Compactor (JCB-VMD 120)	1	10	0
76		Asphalt cutting saw	1	2	1
77		Wheel roller	1	10	0
78		Chain excavator -420	1	10	0
79	3 June,13	Welding machine	1	10	2
80		Trencher	1	2	0
81		4*4 Car	3	10	0
82		Dumping truck	3	10	0
83		Compactor (BOMAG-BW75)	1	10	0
84		Water tank truck	1	10	0
85		JCB	2	10	1
86		Bobcat	2	10	0
87		Mobile crane	0	0	1
88		Compactor (JCB-VMD 120)	0	0	1
89		Asphalt cutting saw	0	0	1
90		Wheel roller	0	0	1

Equipment delivered to site					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
91		Chain excavator -420	1	10	0
92	4 June,13	Welding machine	1	10	2
93		Trencher	1	2	0
94		4*4 Car	3	10	0
95		Dumping truck	3	10	0
96		Compactor (BOMAG-BW75)	1	10	0
97		Water tank truck	1	10	0
98		JCB	2	10	1
99		Bobcat	2	10	0
100		Mobile crane	1	10	0
101		Compactor (JCB-VMD 120)	0	0	1
102		Asphalt cutting saw	0	0	1
103		Wheel roller	0	0	1
104		Chain excavator -420	1	10	0
105		5 June,13	Welding machine	1	10
106	Trencher		1	2	0
107	4*4 Car		3	10	0
108	Dumping truck		3	10	0
109	Compactor (BOMAG-BW75)		1	10	0
110	Water tank truck		1	10	0
111	JCB		3	10	0
112	Bobcat		2	10	0
113	Mobile crane		1	10	0
114	Compactor (JCB-VMD 120)		1	10	0
115	Asphalt cutting saw		0	0	1
116	Wheel roller		0	0	1
117	Chain excavator -420		1	5	0
118	6 June,13	Welding machine	1	10	2
119		Trencher	1	2	0
120		4*4 Car	3	10	0
121		Dumping truck	3	10	0
122		Compactor (BOMAG-BW75)	1	10	0
123		Water tank truck	1	10	0
124		JCB	3	10	0
125		Bobcat	2	10	0
126		Mobile crane	1	10	0
127		Compactor (JCB-VMD 120)	1	10	0
128		Asphalt cutting saw	0	0	1
129		Wheel roller	0	0	1
130		Chain excavator -420	1	5	0
131		8 June,13	Welding machine	1	10

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
132		Trencher	1	2	0
133		4*4 Car	3	10	0
134		Dumping truck	3	10	0
135		Compactor (BOMAG-BW75)	1	10	0
136		Water tank truck	1	10	0
137		JCB	3	10	0
138		Bobcat	2	10	0
139		Mobile crane	1	10	0
140		Compactor (JCB-VMD 120)	1	10	0
141		Asphalt cutting saw	1	2	1
142		Wheel roller	0	0	1
143		Chain excavator -420	1	5	0
144		9 June,13	Welding machine	1	10
145	Trencher		1	2	0
146	4*4 Car		3	10	0
147	Dumping truck		3	10	0
148	Compactor (BOMAG-BW75)		1	10	0
149	Water tank truck		1	10	0
150	JCB		2	10	1
151	Bobcat		2	10	0
152	Mobile crane		1	10	0
153	Compactor (JCB-VMD 120)		0	0	1
154	Asphalt cutting saw		1	2	1
155	Wheel roller		0	0	1
156	Chain excavator -420		1	5	0
157	10 June,13	Welding machine	1	10	2
158		Trencher	0	0	1
159		4*4 Car	3	10	0
160		Dumping truck	3	10	0
161		Compactor (BOMAG-BW75)	1	10	0
162		Water tank truck	1	10	0
163		JCB	2	10	1
164		Bobcat	2	10	0
165		Mobile crane	1	10	0
166		Compactor (JCB-VMD 120)	1	10	0
167		Asphalt cutting saw	1	2	1
168		Wheel roller	1	10	0
169		Chain excavator -420	1	5	0
170	11 June,13	Welding machine	1	10	2
171		Trencher	0	0	1
172		4*4 Car	3	10	0

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
173		Dumping truck	3	10	0
174		Compactor (BOMAG-BW75)	1	10	0
175		Water tank truck	1	10	0
176		JCB	2	10	1
177		Bobcat	2	10	0
178		Mobile crane	1	10	0
179		Compactor (JCB-VMD 120)	1	10	0
180		Asphalt cutting saw	1	2	1
181		Wheel roller	0	0	1
182		Chain excavator -420	1	10	0
183		12 June,13	Welding machine	1	10
184	Trencher		1	2	0
185	4*4 Car		3	10	0
186	Dumping truck		3	10	0
187	Compactor (BOMAG-BW75)		1	10	0
188	Water tank truck		1	10	0
189	JCB		3	10	0
190	Bobcat		2	10	0
191	Mobile crane		1	10	0
192	Compactor (JCB-VMD 120)		1	10	0
193	Asphalt cutting saw		1	2	1
194	Wheel roller	1	10	0	
195	13 June,13	Welding machine	1	10	2
196		Trencher	1	2	0
197		4*4 Car	3	10	0
198		Dumping truck	3	10	0
199		Compactor (BOMAG-BW75)	1	10	0
200		Water tank truck	3	10	0
201		JCB	3	10	0
202		Bobcat	2	10	0
203		Mobile crane	1	10	0
204		Compactor (JCB-VMD 120)	1	10	0
205		Asphalt cutting saw	0	0	1
206	Wheel roller	1	10	0	
207	15 June,13	Welding machine	0	0	3
208		Trencher	1	8	0
209		4*4 Car	3	10	0
210		Dumping truck	3	10	0
211		Compactor (BOMAG-BW75)	0	0	1
212		Water tank truck	1	10	0
213		JCB	2	10	1

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
214		Bobcat	2	10	0
215		Mobile crane	0	0	1
216		Compactor (JCB-VMD 120)	1	10	0
217		Asphalt cutting saw	0	0	1
218		Wheel roller	0	0	1
219	16 June,13	Welding machine	1	10	2
220		Trencher	1	8	0
221		4*4 Car	3	10	0
222		Dumping truck	3	10	0
223		Compactor (BOMAG-BW75)	1	10	0
224		Water tank truck	1	10	0
225		JCB	3	10	0
226		Bobcat	2	10	0
227		Mobile crane	1	10	0
228		Compactor (JCB-VMD 120)	1	10	0
229		Asphalt cutting saw	0	0	1
230	Wheel roller	0	0	1	
231	17 June,13	Welding machine	1	10	1
232		Trencher	1	8	0
233		4*4 Car	3	10	0
234		Dumping truck	3	10	0
235		Compactor (BOMAG-BW75)	1	10	0
236		Water tank truck	1	10	0
237		JCB	3	10	0
238		Bobcat	2	10	0
239		Mobile crane	1	10	0
240		Compactor (JCB-VMD 120)	1	10	0
241		Asphalt cutting saw	0	0	1
242	Wheel roller	0	0	1	
243	18 June,13	Welding machine	1	10	0
244		Trencher	1	8	0
245		4*4 Car	3	10	0
246		Dumping truck	3	10	0
247		Compactor (BOMAG-BW75)	1	10	0
248		Water tank truck	1	10	0
249		JCB	3	10	0
250		Bobcat	3	10	0
251		Mobile crane	1	10	0
252		Compactor (JCB-VMD 120)	1	10	0
253		Asphalt cutting saw	1	3	0
254	Wheel roller	1	10	0	

<b>Equipment delivered to site</b>						
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle	
255	19 June,13	Welding machine	1	10	1	
256		Trencher	1	8	0	
257		4*4 Car	3	10	0	
258		Dumping truck	3	10	0	
259		Compactor (BOMAG-BW75)	1	10	0	
260		Water tank truck	1	10	0	
261		JCB	3	10	0	
262		Bobcat	3	10	0	
263		Mobile crane	1	10	0	
264		Compactor (JCB-VMD 120)	1	10	0	
265		Asphalt cutting saw	1	3	0	
266		Wheel roller	1	10	0	
267		20 June,13	Welding machine	0	0	2
268			Trencher	0	0	0
269	4*4 Car		3	10	0	
270	Dumping truck		3	10	0	
271	Compactor (BOMAG-BW75)		1	10	0	
272	Water tank truck		1	10	0	
273	JCB		3	10	0	
274	Bobcat		3	10	0	
275	Mobile crane		1	10	0	
276	Compactor (JCB-VMD 120)		1	10	0	
277	Asphalt cutting saw		1	3	0	
278	Wheel roller		0	0	1	
279	22 June,13	Welding machine	0	0	2	
280		4*4 Car	3	10	0	
281		Dumping truck	0	0	3	
282		Compactor (BOMAG-BW75)	0	0	1	
283		Water tank truck	0	0	1	
284		JCB	2	10	1	
285		Bobcat	0	0	3	
286		Mobile crane	0	0	1	
287		Compactor (JCB-VMD 120)	0	0	1	
288		Asphalt cutting saw	0	0	1	
289		Wheel roller	0	0	1	
290	23 June,13	Welding machine	0	0	2	
291		4*4 Car	1	10	0	
292		Dumping truck	1	10	0	
293		Compactor (BOMAG-BW75)	0	0	1	
294		Water tank truck	1	10	0	
295		JCB	2	10	1	

<b>Equipment delivered to site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
296		Bobcat	1	10	2
297		Mobile crane	0	0	1
298		Compactor (JCB-VMD 120)	1	10	0
299		Asphalt cutting saw	0	0	1
300		Wheel roller	0	0	1
301		Welding machine	0	0	2
302	24 June,13	4*4 Car	1	10	0
303		Dumping truck	1	10	0
304		Water tank truck	1	10	0
305		JCB	1	10	2
306		Bobcat	1	10	2
307		Mobile crane	0	0	1
308		Compactor (JCB-VMD 120)	1	10	0
309		Asphalt cutting saw	0	0	1
310		Wheel roller	0	0	1
311		25 June,13	Welding machine	1	10
312	4*4 Car		1	10	0
313	Dumping truck		1	10	0
314	Water tank truck		1	10	0
315	JCB		2	10	1
316	Bobcat		1	10	2
317	Mobile crane		1	10	0
318	Compactor (JCB-VMD 120)		1	10	0
319	Asphalt cutting saw		0	0	1
320	Wheel roller		1	10	0
321	26 June,13	Welding machine	1	10	1
322		4*4 Car	1	10	0
323		Dumping truck	1	5	0
324		Water tank truck	1	5	0
325		JCB	2	10	1
326		Bobcat	1	10	2
327		Mobile crane	1	10	0
328		Compactor (JCB-VMD 120)	1	10	0
329		Asphalt cutting saw	0	0	1
330		Wheel roller	0	0	1

**Table 4.1-JNT Equipment on Site**

<b>Materials delivered to site</b>					
No.	Date	Item	Description	QTY	Location

<b>Materials delivered to site</b>					
No.	Date	Item	Description	QTY	Location
1	27 May,13	Base course	Supplying to the site	80 CM	Working area - between Station 9+600 and Station 9+700.
2		Somsom	supplying to the site	100 CM	Working area - between Station 9+600 and Station 9+700.
3		Single size aggregate	supplying to the site	80 CM	Working area - between Station 9+600 and Station 9+700.
4	28 May,13	Base course	supplying to the site	80 CM	Working area - between Station 9+600 and Station 9+700.
5		Somsom	Supplying to the site	100 CM	Working area - between Station 9+600 and Station 9+700.
6		Single size aggregate	Supplying to the site	80 CM	Working area - between Station 9+600 and Station 9+700.
7	29 May,13	Base course	supplying to the site	100 CM	Working area - between Station 9+950 and Station 9+850.
8		Somsom	supplying to the site	100 CM	Working area - between Station 9+950 and Station 9+850.
9		Single size aggregate	supplying to the site	120 CM	Working area - between Station 9+950 and Station 9+850.
10		Ready mix concrete (B350)	supplying to the site	7.5 CM	Surif future connection chamber at Station 4+230 and air release valve chamber at Station 4+253.
11		Ready mix concrete (B200)	supplying to the site	6 CM	Nuba Hata connection chamber at Station 11+251.
12		Asphalt (3/4")	supplying to the site	72.88 Ton	10- Inch pipeline trench from Station 5+480 to Station 5+880.
13	30 May,13	Base course	supplying to the site	80 CM	Working area - between Station 9+700 and Station

Materials delivered to site					
No.	Date	Item	Description	QTY	Location
					9+850.
14		Somsom	supplying to the site	100 CM	Working area - between Station 9+700 and Station 9+850.
15		Single size aggregate	Supplying to the site	80 CM	Working area - between Station 9+700 and Station 9+850.
16		Ready mix concrete (B200)	Supplying to the site	35 CM	Air release valve chamber at Station 9+190 and gate valve chamber at Station 9+200.
17		Asphalt (3/4")	supplying to the site	69.7 Ton	10- Inch pipeline trench from Station 5+880 to Station 6+400.
18	1 June,13	Asphalt ( 3/4")	supplying to the site	26 Ton	10- Inch pipeline trench from Station 6+400 to Station 6+670.
19		Ready mix concrete (B350)	supplying to the site	11 CM	Nuba Hata connection chamber at Station 11+251.
20	2 June,13	Asphalt ( 3/4")	supplying to the site	21.92 Ton	10- Inch pipeline trench from Station 6+670 to Station 6+740 and from Station 6+785 to Station 6+840.
21	3 June,13	Ready mix concrete (B350)	supplying to the site	6 CM	Gate valve chamber at Station 9+200 and ARV chamber at Station 9+190.
22	4 June,13	Ready mix concrete (B200)	supplying to the site	8 CM	Kharas connection chamber at Station 9+939.
23	6 June,13	Ready mix concrete (B350)	supplying to the site	5.5 CM	Air release valve chamber at Station 9+190.
24	9 June,13	Ready mix concrete (B350)	supplying to the site	31 CM	Nuba Hata connection chamber at Station 11+251 and Kharas connection chamber at Station 9+939.

<b>Materials delivered to site</b>					
No.	Date	Item	Description	QTY	Location
25	10 June,13	Ready mix concrete (B350)	supplying to the site	2 CM	Air release valve chamber at Station 9+190.
26		Asphalt (3/4")	supplying to the site	69.08 Ton	10-Inch pipeline trench from Station 4+255 to Station 4+500.
27	12 June,13	Asphalt (3/4")	supplying to the site	64.86 Ton	10-Inch pipeline trench between Stations 4+500 and Station 5+030 and from Station 2+700 to Station 2+740.
28	13 June,13	Asphalt (3/4")	supplying to the site	10 Ton	10-Inch pipeline trench between Station 5+030 and Station 5+050.
29		Ready mix concrete (B350)	supplying to the site	14.5 CM	Nuba Hata connection chamber at Station 11+251 and gate valve chamber at Station 9+200.
30		Ready mix concrete (B200)	supplying to the site	5 CM	Nuba main connection chamber at Station 10+700.
31	17 June,13	Ready mix concrete (B350)	supplying to the site	23 CM	Roof slab of Chamber at Station 9+200 and walls of Kharas connection chamber at Station 9+939.
32	18 June,13	Asphalt (3/4")	supplying to the site	67.43 Ton	10-Inch pipeline trench between Station 9+970 and Station 10+150.
33	19 June,13	Asphalt (3/4")	supplying to the site	25.8 Ton	10-Inch pipeline trench between Station 9+900 and Station 9+740.
34		Ready mix concrete (B350)	supplying to the site	17 CM	Kharas connection chamber at Station 9+939.
35		Ready mix concrete (B200)	supplying to the site	2.5 CM	Washout chamber at Station 9+670.
36	24 June,13	Ready mix concrete (B350)	supplying to the site	16 CM	Nuba main connection chamber at Station 10+700 and Kharas connection chamber at Station 9+939.
37	25 June,13	Ready mix concrete (B350)	supplying to the site	3 CM	Washout chamber at Station 9+650.
38		Asphalt (3/4")	supplying to the site	55.56 Ton	10-Inch pipeline trench between Station 9+350 and Station 9+700.

Materials delivered to site					
No.	Date	Item	Description	QTY	Location
39	26 June,13	Ready mix concrete (B350)	supplying to the site	6.5 CM	Nuba main connection chamber at Station 10+700.

Table 4.2-JNT Material on 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:	74.29%
Actual percentage complete:	71.74%
Elapsed Time	68.25%

Table 5.1-JNT-Progress Summary Table

Project Overall Status: The Project is currently on schedule.

For further details regarding the project progress please see Attachment JNT 20.1- Updated Schedule- Roll-up and one month Look Ahead Schedule.

#### Submittal Status:

During the current reporting period a total of 8 submittals (including resubmittals) were submitted for this project. Review comments were received for 8 submittals, The Engineer’s review time for reviewed submittals ranged from 1 day to 14 days.

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

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

Table 5.2-JNT-Submittals Disposition

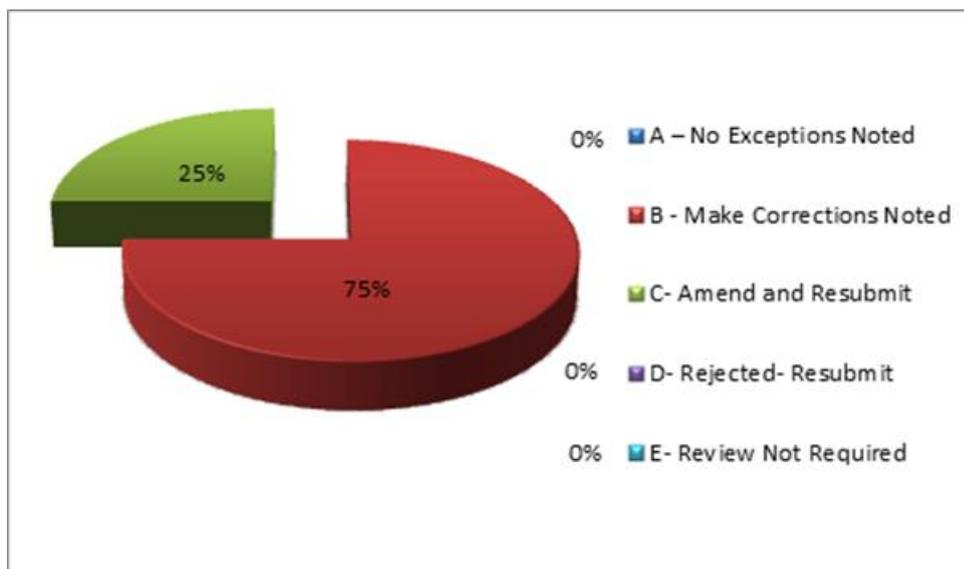


Figure 5.1-JNT-Submittals Disposition

For further details please see attachment JNT 20.5- Submittals Log

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

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

- Completed the installation of 1076.44 linear meters of 10-inch welded steel pipes from station 9+622.33 to station 10+698.77.
- Completed the installation of 528.33 linear meters of 4-inch welded steel pipes from station 9+607.37 to station 10+135.70.
- Completed the installation of 15.97 linear meters of 12-inch welded steel pipes from station 0+089.04 to station 0+073.07.
- Completed the concrete pipe encasement for 10-inch welded steel pipes with 19.5 cubic meters of ready mix concrete (B200) through the road culverts and trench sections close to sewer lines.
- Completed the asphaltting of first layer for the 10-inch pipeline trench of 2800 linear meters from station 5+480 to station 6+740, from station 6+785 to station 6+840, from station 4+255 to station 5+050, from station 9+970 to station 10+150, from station 9+740 to station 9+900, and from station 9+350 to station 9+700.
- Completed the asphaltting of first layer for the 12-inch pipeline trench of 40 linear meters from station 2+700 to station 2+740.
- Completed fabricating all steel ladders for the manholes.
- Delivered the steel manhole covers to JNT site.
- Completed all civil work for Surif connection chamber at station 2+528.
- Completed all civil work for Surif future connection chamber at station 4+230.
- Completed all civil work for the washout chamber at station 6+778.
- Completed all civil work for the gate valve chamber at station 6+741.
- Completed all civil work for the air release valve chamber at station 5+260.
- Completed all civil work for the air release valve chamber at station 4+253.
- Completed all civil work for Nuba Hatta connection chamber at station 11+251.
- Completed all civil work for the air release valve chamber at station 9+180 and the gate valve chamber at station 9+171.
- Completed all civil work for Kharas Connection Chamber at station 9+939.
- Completed all civil work for Nuba Main Connection Chamber at station 10+700
- Fabricated all required precast manholes for JNT project.

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

- Completing the installation of 73.07 linear meters of 12-inch welded steel pipes from station 0+073.07 to station 0+000.
- Completing the installation of 89 linear meters of 3-inch welded steel pipes from station 0+089 to station 0+000.

- Completing the installation of 100 linear meters of 4-inch welded steel pipes from station 2+720 to the entrance of Kherbet Addair village.
- Asphaltting the 10-inch pipeline trench section from station 8+900 to station 9+350, and from station 10+150 to station 10+700.
- Starting the asphalt reinstatement work for Al-Jabaa road through the 12-inch pipeline trench between stations 1+500 to station 0+300.
- Starting the pressure test for JNT pipeline.
- Continuity of procurement of all required valves, flow meters and fittings.
- Continuity of coordination with Makarot Israeli Company for Al-Jabaa connection point.
- Starting the fabrication of the steel pipe supports for piping inside chambers.
- Completing the civil work for all remaining chambers at JNT Project including the installation of all precast manholes.

## 7. Updated Schedule

For further details please see Attachment JNT 20.1- Updated Schedule Roll-up and One Month Look Ahead.

## 8. Site Memo

During the current reporting period one site memo was issued from the Engineer to the Contractor for this project. For further details please see Attachment JNT 20.3- Site Memo Log.

## 9. Inspection Request

During the current reporting period 82 inspection requests were submitted to the Engineer. The Engineer responded to the 82 inspection requests submitted during the current reporting period. For further details please see Attachment JNT 20.4- Inspection Requests Log.

## 10. Test Reports

During the current reporting period 41 testing reports were submitted to the Engineer for approval. 40 tests passed and approved and only one test failed.

The failed test was due to non-compliance with the minimum project specification limit through sieve No. (1/2") which is equal to 12.5 mm for single size (Foul Size) in the stockpiling area at the project site. The minimum requirement for single size-foul size to pass sieve No.1/2" according to ASTM C136-10 is 25 whereas the obtained value was 2.3.

On May 12, 2013 single size-foul size testing samples were collected from the stockpiling area at the project site by authorized representatives from Building Center Lab. The test report result was submitted to the engineer on June 04, 2013; the Engineer responded on June 05, 2013. The delivered material was visually inspected onsite and rejected. Following the visual inspection, testing samples were collected from the delivered truck load and then it has been removed directly from the site and prior to obtaining the test result. A copy of the test result was sent to the

stones crusher (material supplier) to verify the reason of rejecting the material removing it from the site.

The following table and graph provide a summary of the status of the testing reports and Quality Control Testing Statistical Analysis.

Type of Material Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Core Test and BC Report	1	0	0	1
Concrete Compressive	18	0	0	18
Compaction	5	0	0	5
Bedding Material (Somsom)	4	0	0	4
Asphalt Loose Test	3	0	0	3
Base Course	5	0	0	5
Bedding Material (Single Size)	4	1	0	5
Total	40	1	0	41

Table 10.1-JNT-Test Report Summary

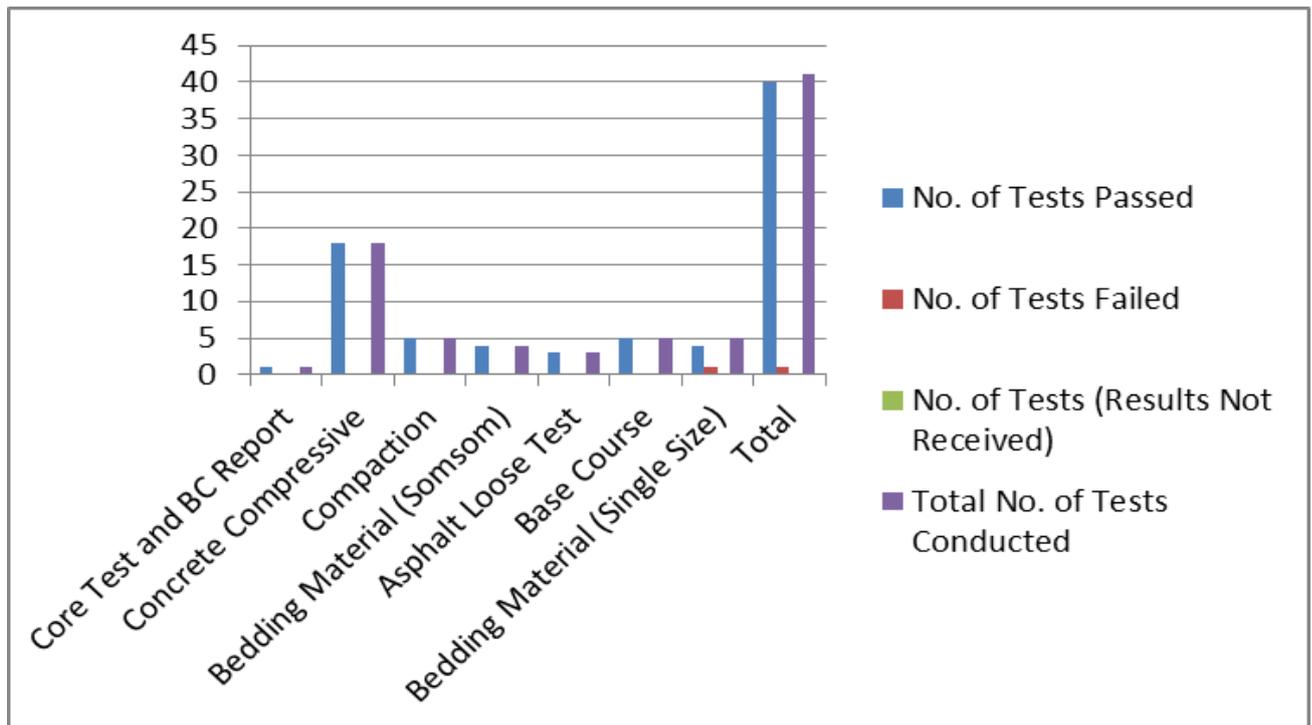


Figure 10.1-JNT- Quality Control Testing

## 11. Request for Information

No Requests for Information (RFI) were submitted to the Engineer during the reporting period. For further information please see Attachment JNT 20.7-Request for Information Log.

## 12. Summary of Payments and Accrued Expenditures

IRD submitted its 5<sup>th</sup> payment under Task Order No. 12-00002-JNT on June 12, 2013 to CMC and to date, the corresponding payment amount is not received; however this payment covers the period from April 10 to June 01, 2013.

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						
5	10-Apr-13	01-Jun-13	\$350,858.13	\$1,716,033.42	\$2,066,891.55	12-Jun-13	17-Jun-13	Not Paid

Table 12.1-JNT-Payment Summary

The total accrued amount through the end of this reporting period =  
 $\$2,641,192.76 - \$1,716,033.42 = \$925,159.34$ .

## 13. Variation Orders and Variation Orders Request

Variation Order Requests # 007-B, 007-C and 007-D for asphalt reinstatement were submitted to the engineer during the reporting period.

For further information please see Attachment JNT-20.8 VO/VORs Log.

## 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	40 days
3.	Modified Period of Performance	400 days
4.	Modified Completion Date	October 31, 2013
5.	No. of Working Days during this month	27 Calendar Days
6.	Accumulated Working Days	225 Calendar Days
7.	Total No. of non-working days(Holidays and weekends) during this month	4 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	42 Calendar Days
9.	No. of other non-working days (EXPLAIN REASON) during this month, Please see note below	None
10.	Accumulated other non-working days	6 Calendar Days

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, 6,820 person days;
- Employment generated previously 5,472.75 person days;
- Employment generated this month; 1,493.00 person days;
- Total cumulative employment generated to-date 6,965.75 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
No issues were encountered during this reporting period.			

Table 17.1-JNT-Problems and Issues Summary Table

### 18. Non Compliance Notices

None.

### 19. Construction Photos

<p><b>Photo No.1-JNT:</b> Excavating the 10” pipeline trench at station 10+015 inside Kharas Village.</p> <p><b>Photo Date:</b> 03 June 2013</p>	<p><b>Photo No.2-JNT:</b> Welding the 10” steel pipes at station 10+610.</p> <p><b>Photo Date:</b> 19 June 2013</p>	<p><b>Photo No.3-JNT:</b> Installing the 10” steel pipeline between stations 10+570 to station 10+640.</p> <p><b>Photo Date:</b> 19 June 2013</p>
<p><b>Photo No.4-JNT:</b> Testing PE external coating continuity at station 10+410.</p> <p><b>Photo Date:</b> 17 June 2013</p>	<p><b>Photo No.5-JNT:</b> Radiographic weld testing for fabricated mitered bends at JNT stoareg yard (St. 5+200).</p> <p><b>Photo Date:</b> 28 May 2013</p>	<p><b>Photo No.6-JNT:</b> Placing concrete for the roof slab of Nuba Hata connection chamber at station 11+251.</p> <p><b>Photo Date:</b> 13 June 2013</p>
<p><b>Photo No.7-JNT:</b> Leveling placed concrete for roof slab of Surif future connection chamber at station 4+230.</p> <p><b>Photo Date:</b> 29 May 2013</p>	<p><b>Photo No.8-JNT:</b> Asphating the 1<sup>st</sup> layer of 10” pipeline trench between stations 4+500 to station 4+800.</p> <p><b>Photo Date:</b> 12 June 2013</p>	<p><b>Photo No.9-JNT:</b> Compacting the asphalted 1<sup>st</sup> layer of 10” pipeline trench at station 6+450 using wheel roller.</p> <p><b>Photo Date:</b> 01 June 2013</p>

## **20. Attachments**

- JNT 20.1 Updated Schedule- Roll-up and One Month Look Ahead**
- JNT 20.2 “S” Curve**
- JNT 20.3 Site Memos Log**
- JNT 20.4 Inspection Requests Log**
- JNT 20.5 Submittals Log**
- JNT 20.6 Requests for Information Log**
- JNT 20.7 Variation Order Request and Variation Order Log**

**JNT 20.1 Updated Schedule – Roll-Up  
And One Month Look Ahead**

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

## One Month Look Ahead Schedule

Activity ID	Activity Name	Original Duration	Budgeted Total Cost	Actual Total Cost	Early Start	Early Finish	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
<b>AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission Pipe</b>																									
<b>Submittals</b>																									
<b>Construction Submittals</b>																									
<b>General Requirments</b>																									
CS-JNT-Mds110	Approval of Pressure Pipes Testing, Flushi	0	\$0.00	\$0.00		30-Jun-13																			
<b>Shop Drawings Submittal &amp; Approval</b>																									
<b>Structural / Civil Shop Drawings Submittal &amp; Approval</b>																									
CS-JNT-SD145	Approval of Surif Al Jaba' Road Reinstater	0	\$0.00	\$0.00		03-Jul-13																			
<b>Procurement</b>																									
<b>Steel Pipes, Fittings &amp; Valves</b>																									
<b>Material Order &amp; Manufacture</b>																									
PRO-JNT130	2nd Order & Manufacture of Valves Long l	67	\$0.00	\$0.00	26-Jun-13	30-Jun-13																			
<b>Material Delivery</b>																									
PRO-JNT170	Clearance & Delivery of 2nd Order of Mat.	15	\$0.00	\$0.00	30-Jun-13	21-Jul-13																			
PRO-JNT190	Clearance & Delivery of a Fully Functiona	66	\$0.00	\$0.00	26-Jun-13	11-Jul-13																			
<b>Execution Phase</b>																									
<b>SEG.NO.1 Trans. Main (St. 7+600 to St. 8+900) DN 250MM</b>																									
<b>Chamber Works</b>																									
<b>Mechanical &amp; Finishing Works</b>																									
EXE-JNT-1110	AR/AV @ St.7+787	5	\$6,095.66	\$0.00	13-Jul-13	21-Jul-13																			
<b>Testing &amp; Road Reinstatement Works</b>																									
EXE-JNT-000280	Sectional Testing (Pressure)	5	\$1,404.00	\$0.00	21-Jul-13	28-Jul-13																			
<b>SEG.NO.2 Trans. Main (St. 6+817 to St. 7+600) DN 250MM</b>																									
<b>Chamber Works</b>																									
<b>Mechanical &amp; Finishing Works</b>																									
EXE-JNT-1390	W.O. Chamber @ St.6+778	5	\$8,063.56	\$0.00	21-Jul-13	28-Jul-13																			
EXE-JNT-1400	Gate Valve Chamber @ St.6+741	5	\$6,398.92	\$0.00	21-Jul-13	28-Jul-13																			
<b>SEG.NO.3 Trans. Main (St. 2+200 to St. 2+688) DN 300,3"-350&amp;4"-136</b>																									
<b>Chamber Works</b>																									
<b>Structural &amp; Civil Works</b>																									
EXE-JNT-000665	AR/AV Chamber @St.2+300 (Precast)	3	\$2,280.64	\$0.00	26-Jun-13	29-Jun-13																			
EXE-JNT-000675	AR/AV Chamber @St.2+330	3	\$0.00	\$0.00	26-Jun-13	29-Jun-13																			
<b>SEG.NO.4 Trans. Main (St. 1+000 to St. 2+200) DN 300MM,3"-380&amp;170</b>																									
<b>Chamber Works</b>																									
<b>Structural &amp; Civil Works</b>																									
EXE-JNT-000930	Gate Valve @ St.1+522 (Precast)	3	\$3,262.17	\$0.00	13-Jul-13	16-Jul-13																			
EXE-JNT-000940	W.O.Chamber @ St.1+700 (Precast)	3	\$3,287.17	\$0.00	13-Jul-13	16-Jul-13																			
<b>Mechanical &amp; Finishing Works</b>																									
EXE-JNT-1280	AR/AV & Butterfly Valve @ St.1+454 - Corr	5	\$13,456.75	\$0.00	21-Jul-13	28-Jul-13																			
EXE-JNT-1290	W.O.Chamber @ St.1+700	5	\$6,473.86	\$0.00	21-Jul-13	28-Jul-13																			
EXE-JNT-1500	W.O.Chamber @ St.1+700 (Precast)	3	\$3,287.17	\$0.00	17-Jul-13	21-Jul-13																			
<b>SEG.NO.5 Trans. Main (St. 0+004.62 to St. 1+000) DN 300MM,2"-276</b>																									
<b>Chamber Works</b>																									
<b>Structural &amp; Civil Works</b>																									
EXE-JNT-001120	50DN Gate Valve @0+276 (Precast)	3	\$1,387.87	\$0.00	17-Jul-13	21-Jul-13																			

█ Actual Work      █ Current Bar Labels  
█ Remaining Work      ◆ Milestone  
█ Critical Remaining Work      ▬ Summary



Date	Revision	Checked	Approved
11-Jun-13	Sr.Planning Eng.Mohamad Ab...	CM/Deputy Prog.-Ivi...	Naim Mani-Prog Director

Activity ID	Activity Name	Original Duration	Budgeted Total Cost	Actual Total Cost	Early Start	Early Finish	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014	
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>Mechanical &amp; Finishing Works</b>																		28-Jul-13, Mechanical & Finishing Works					
EXE-JNT-1430	AR/AV Chamber @ St.0+040	5	\$6,050.41	\$0.00	21-Jul-13	28-Jul-13											AR/AV Chamber @ St.0+040						
EXE-JNT-1440	W.O. Chamber @ St.0+970	5	\$8,063.56	\$0.00	21-Jul-13	28-Jul-13											W.O. Chamber @ St.0+970						
EXE-JNT-1460	Flow Monitoring Chamber @ St.0+090&W	5	\$79,800.21	\$0.00	21-Jul-13	28-Jul-13											Flow Monitoring Chamber @ St.0+090&Water Me						
<b>SEG.NO.6 Trans. Main (St. 2+688 to St. 4+243)DN 250MM</b>																	28-Jul-13, SEG.NO.6 Trans. Main (St. 2+688 to St						
<b>Chamber Works</b>																		28-Jul-13, Chamber Works					
<b>Mechanical &amp; Finishing Works</b>																		28-Jul-13, Mechanical & Finishing Works					
EXE-JNT-1350	W.O. @ St.3+160	5	\$6,473.86	\$0.00	21-Jul-13	28-Jul-13											W.O. @ St.3+160						
EXE-JNT-1360	40 Bar - Khrbiet Ad-deir Connection Char	5	\$19,350.04	\$0.00	21-Jul-13	28-Jul-13											40 Bar - Khrbiet Ad-deir Connection Chamber @						
EXE-JNT-1370	Surif Future Connection Chamber @St.4+	5	\$16,179.72	\$0.00	13-Jul-13	20-Jul-13											Surif Future Connection Chamber @St.4+230						
EXE-JNT-1450	ARV @ St.4+253	5	\$5,939.16	\$0.00	21-Jul-13	28-Jul-13											ARV @ St.4+253						
<b>SEG.NO.7 Trans. Main (St. 6+817 to St. 5+024)DN 250MM</b>																	28-Jul-13, SEG.NO.7 Trans. Main (St. 6+817 to St						
<b>Chamber Works</b>																		28-Jul-13, Chamber Works					
<b>Mechanical &amp; Finishing Works</b>																		28-Jul-13, Mechanical & Finishing Works					
EXE-JNT-1075	W.O.Chamber @ St.6+800	5	\$6,473.86	\$0.00	21-Jul-13	28-Jul-13											W.O.Chamber @ St.6+800						
EXE-JNT-1380	AR/AV @ St.5+260	5	\$5,939.16	\$0.00	26-Jun-13	01-Jul-13											AR/AV @ St.5+260						
<b>SEG.NO.9 Trans. Main (St. 8+900 to St. 10+060)DN 250MM,2"-50&amp;4"800</b>																	01-Aug-13, SEG.NO.9 Trans. Main (St. 8+900 to						
<b>Chamber Works</b>																		01-Aug-13, Chamber Works					
<b>Structural &amp; Civil Works</b>																		01-Aug-13, Structural & Civil Works					
EXE-JNT-000670	AR/AV&Gate Valve @ St.9+160 (Precast C	3	\$4,104.67	\$0.00	17-Jul-13	21-Jul-13											AR/AV&Gate Valve @ St.9+160 (Precast Concrete						
EXE-JNT-000680	W.O.@9+670 (Precast)	3	\$3,067.17	\$0.00	17-Jul-13	21-Jul-13											W.O.@9+670 (Precast)						
EXE-JNT-001070	AR/AV @ St.9+190	10	\$0.00	\$0.00	17-Jul-13	01-Aug-13											AR/AV @ St.9+190						
EXE-JNT-001100	W.O.@ St.9+670	10	\$0.00	\$0.00	26-Jun-13	07-Jul-13											W.O.@ St.9+670						
<b>Mechanical &amp; Finishing Works</b>																	25-Jul-13, Mechanical & Finishing Works						
EXE-JNT-1185	KHARAS CONNECTION CHAMBER @ 9-	5	\$34,467.61	\$0.00	13-Jul-13	20-Jul-13											KHARAS CONNECTION CHAMBER @ 9+939						
EXE-JNT-1320	AR/AV&Gate Valve @ St.9+160 (Precast C	3	\$4,104.67	\$0.00	22-Jul-13	25-Jul-13											AR/AV&Gate Valve @ St.9+160 (Precast Concrete						
EXE-JNT-1580	Gate Valve @ 9+200	5	\$0.00	\$0.00	26-Jun-13	01-Jul-13											Gate Valve @ 9+200						
EXE-JNT-1590	W.O.@ St.9+670	5	\$0.00	\$0.00	08-Jul-13	15-Jul-13											W.O.@ St.9+670						
<b>SEG.NO.10 Trans. Main (St. 10+060 to St. 10+740)DN 250MM,4"-240&amp;374</b>																	23-Jul-13, SEG.NO.10 Trans. Main (St. 10+060 to 5						
<b>Chamber Works</b>																		23-Jul-13, Chamber Works					
<b>Structural &amp; Civil Works</b>																		07-Jul-13, Structural & Civil Works					
EXE-JNT-000430	AR/AV Chamber @ St.10+230 (Precast)	10	\$945.00	\$0.00	26-Jun-13	07-Jul-13											AR/AV Chamber @ St.10+230 (Precast)						
EXE-JNT-000440	W.O. Chamber @ St.10+800	10	\$0.00	\$0.00	26-Jun-13	07-Jul-13											W.O. Chamber @ St.10+800						
EXE-JNT-000490	300MM DUCTILE&150MM STEEL CONN	10	\$25,063.56	\$250.64	26-Jun-13	07-Jul-13											300MM DUCTILE&150MM STEEL CONNECTION CH						
<b>Mechanical &amp; Finishing Works</b>																	23-Jul-13, Mechanical & Finishing Works						
EXE-JNT-1200	AR/AV Chamber @ St.10+230 (Precast)	5	\$945.00	\$0.00	08-Jul-13	15-Jul-13											AR/AV Chamber @ St.10+230 (Precast)						
EXE-JNT-1210	W.O. Chamber @ St.10+840	5	\$0.00	\$0.00	08-Jul-13	15-Jul-13											W.O. Chamber @ St.10+840						
EXE-JNT-1260	300MM DUCTILE&150MM STEEL CONN	5	\$25,063.56	\$0.00	15-Jul-13	23-Jul-13											300MM DUCTILE&150MM STEEL CONNECTION						
EXE-JNT-1470	Nuba&Hata Connection Chamber @St.11	5	\$29,518.30	\$0.00	26-Jun-13	01-Jul-13											Nuba&Hata Connection Chamber @St.11+250						
<b>Surif Al Jaba' Road Reinstatement (St.0+250 to St.1+400)</b>																	05-Aug-13, Surif Al Jaba' Road Reinstatement (						
<b>Excavation &amp; Earth Work</b>																		14-Jul-13, Excavation & Earth Work					
EXE-JNT-001520	Excavation to reach Sub-Grade Level,Cut	7	\$8,400.00	\$0.00	04-Jul-13	14-Jul-13											Excavation to reach Sub-Grade Level,Cut&Fill						
<b>Base Course Works</b>																		05-Aug-13, Base Course Works					
EXE-JNT-001530	Base - Course Layer	15	\$58,500.00	\$0.00	14-Jul-13	05-Aug-13											Base - Course Layer						

█ Actual Work      █ Current Bar Labels  
█ Remaining Work      ◆ Milestone  
█ Critical Remaining Work      ▶ Summary



Date	Revision	Checked	Approved
11-Jun-13	Sr.Planning Eng.Mohamad Ab...	CM/Deputy Prog.-Ivi...	Naim Mani-Prog Director

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

## June Roll Up Schedule

Activity ID	Activity Name	Original Duration	Budgeted Total Cost	Actual Total Cost	Early Start	Early Finish	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014		
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
<b>Total</b>		305	\$3,607,762.99	\$2,641,192.76	26-Jun-13	31-Oct-13	31-Oct-13, Total																	
<b>AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission</b>		305	\$3,607,762.99	\$2,641,192.76	26-Jun-13	31-Oct-13	31-Oct-13, AID-294-TO-12-																	
<b>Milestones</b>		305	\$0.00	\$0.00	28-Jul-13	31-Oct-13	31-Oct-13, Milestones																	
General Milestones		305	\$0.00	\$0.00	22-Oct-13	31-Oct-13	31-Oct-13, General Milesto																	
Intermediate Milestones		237	\$0.00	\$0.00	28-Jul-13	15-Sep-13	15-Sep-13, Intermediate Milestones																	
<b>Mobilization</b>		3	\$127,174.35	\$127,174.35			11-Nov-12 A, Mobilization																	
<b>Submittals</b>		294	\$0.00	\$0.00	30-Jun-13	22-Oct-13	22-Oct-13, Submittals																	
Pre Construction Submittals		105	\$0.00	\$0.00			26-Feb-13 A, Pre Construction Submittals																	
Construction Submittals		202	\$0.00	\$0.00	30-Jun-13	03-Jul-13	03-Jul-13, Construction Submittals																	
Material Submittal & Approval		137	\$0.00	\$0.00			03-Apr-13 A, Material Submittal & Approval																	
Structural/Civil Material Submittal & Approval		137	\$0.00	\$0.00			03-Apr-13 A, Structural/Civil Material Submittal & Approval																	
Mechanical Material Submittal & Approval		69	\$0.00	\$0.00			02-Apr-13 A, Mechanical Material Submittal & Approval																	
General Requirments		199	\$0.00	\$0.00	30-Jun-13	30-Jun-13	30-Jun-13, General Requirments																	
Shop Drawings Submittal & Approval		162	\$0.00	\$0.00	03-Jul-13	03-Jul-13	03-Jul-13, Shop Drawings Submittal & Approval																	
Structural / Civil Shop Drawings Submittal & Approval		162	\$0.00	\$0.00	03-Jul-13	03-Jul-13	03-Jul-13, Structural / Civil Shop Drawings Submittal &																	
Mechanical Shop Drawing Submittal & Approval		128	\$0.00	\$0.00			03-Apr-13 A, Mechanical Shop Drawing Submittal & Approval																	
Post Construction Submittals		11	\$0.00	\$0.00	05-Oct-13	22-Oct-13	22-Oct-13, Post Construction																	
<b>Procurement</b>		192	\$1,264,959.00	\$1,264,959.00	26-Jun-13	21-Jul-13	21-Jul-13, Procurement																	
Construction Material & Equipments		30	\$0.00	\$0.00			16-Mar-13 A, Construction Material & Equipments																	
Steel Pipes, Fittings & Valves		192	\$1,264,959.00	\$1,264,959.00	26-Jun-13	21-Jul-13	21-Jul-13, Steel Pipes, Fittings & Valves																	
Material Order & Manufacture		159	\$0.00	\$0.00	26-Jun-13	30-Jun-13	30-Jun-13, Material Order & Manufacture																	
Material Delivery		159	\$1,264,959.00	\$1,264,959.00	26-Jun-13	21-Jul-13	21-Jul-13, Material Delivery																	
<b>Execution Phase</b>		217	\$2,183,836.05	\$1,249,059.41	26-Jun-13	31-Oct-13	31-Oct-13, Execution Phas																	
Preparing Detours & Apply Traffic Control Plan		3	\$0.00	\$0.00			27-Jan-13 A, Preparing Detours & Apply Traffic Control Plan																	
SEG.NO.1 Trans. Main (St. 7+600 to St. 8+900)DN 250MM		141	\$132,090.81	\$124,591.16	13-Jul-13	28-Jul-13	28-Jul-13, SEG.NO.1 Trans. Main (St. 7+600 to St																	
Pipe Line Installation		79	\$76,531.50	\$76,531.50			12-Feb-13 A, Pipe Line Installation																	
Chamber Works		111	\$12,191.31	\$6,095.66	13-Jul-13	21-Jul-13	21-Jul-13, Chamber Works																	
Structural & Civil Works		10	\$6,095.66	\$6,095.66			01-Apr-13 A, Structural & Civil Works																	
Mechanical & Finishing Works		5	\$6,095.66	\$0.00	13-Jul-13	21-Jul-13	21-Jul-13, Mechanical & Finishing Works																	
Testing & Road Reinstatement Works		131	\$43,368.00	\$41,964.00	21-Jul-13	28-Jul-13	28-Jul-13, Testing & Road Reinstatement Works																	
SEG.NO.2 Trans. Main (St. 6+817 to St. 7+600)DN 250MM		138	\$104,062.58	\$88,754.47	21-Jul-13	05-Aug-13	05-Aug-13, SEG.NO.2 Trans. Main (St. 6+817 to																	
Pipe Line Installation		51	\$49,016.76	\$49,016.76			23-Feb-13 A, Pipe Line Installation																	
Chamber Works		50	\$28,924.94	\$14,462.47	21-Jul-13	28-Jul-13	28-Jul-13, Chamber Works																	
Structural & Civil Works		15	\$14,462.47	\$14,462.47			26-May-13 A, Structural & Civil Works																	
Mechanical & Finishing Works		5	\$14,462.47	\$0.00	21-Jul-13	28-Jul-13	28-Jul-13, Mechanical & Finishing Works																	
Testing & Road Reinstatement Works		5	\$26,120.88	\$25,275.24	28-Jul-13	05-Aug-13	05-Aug-13, Testing & Road Reinstatement Work																	
SEG.NO.3 Trans. Main (St. 2+200 to St. 2+688)DN 300,3"-350&4"-1		95	\$166,203.34	\$120,599.06	26-Jun-13	17-Aug-13	17-Aug-13, SEG.NO.3 Trans. Main (St. 2+200																	
Pipe Line Installation		13	\$62,324.78	\$62,324.78			05-Mar-13 A, Pipe Line Installation																	
Chamber Works		60	\$85,593.20	\$40,515.96	26-Jun-13	12-Aug-13	12-Aug-13, Chamber Works																	
Structural & Civil Works		32	\$42,796.60	\$40,515.96	26-Jun-13	29-Jun-13	29-Jun-13, Structural & Civil Works																	
Mechanical & Finishing Works		8	\$42,796.60	\$0.00	28-Jul-13	12-Aug-13	12-Aug-13, Mechanical & Finishing Works																	
Testing & Road Reinstatement Works		9	\$18,285.36	\$17,758.32	05-Aug-13	17-Aug-13	17-Aug-13, Testing & Road Reinstatement W																	
SEG.NO.4 Trans. Main (St. 1+000 to St. 2+200)DN 300MM,3"-380&		127	\$199,172.06	\$164,846.78	13-Jul-13	15-Aug-13	15-Aug-13, SEG.NO.4 Trans. Main (St. 1+000																	
Pipe Line Installation		16	\$108,089.50	\$108,089.50			19-Mar-13 A, Pipe Line Installation																	
Chamber Works		95	\$52,959.88	\$19,930.60	13-Jul-13	15-Aug-13	15-Aug-13, Chamber Works																	
Structural & Civil Works		77	\$26,479.94	\$19,930.60	13-Jul-13	16-Jul-13	16-Jul-13, Structural & Civil Works																	

- Actual Work
- Remaining Work
- Critical Remaining Work
- Current Bar Labels
- Milestone
- Summary



Date	Revision	Checked	Approved
11-Jun-13	Sr.Planning Eng.Mohamad Ab...	CM/Deputy Prog.-Ivi...	Naim Mani-Prog Director

Activity ID	Activity Name	Original Duration	Budgeted Total Cost	Actual Total Cost	Early Start	Early Finish	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014	
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	<b>Mechanical &amp; Finishing Works</b>	18	\$26,479.94	\$0.00	17-Jul-13	15-Aug-13																	
	Testing & Road Reinstatement Works	14	\$38,122.68	\$36,826.68	28-Jul-13	07-Aug-13																	
	<b>SEG.NO.5 Trans. Main (St. 0+004.62 to St. 1+000)DN 300MM,2"-276</b>	120	\$264,894.30	\$167,124.39	17-Jul-13	19-Aug-13																	
	Pipe Line Installation	18	\$73,210.22	\$73,210.22																			
	Chamber Works	102	\$190,604.08	\$93,914.17	17-Jul-13	19-Aug-13																	
	Structural & Civil Works	84	\$95,302.04	\$93,914.17	17-Jul-13	21-Jul-13																	
	Mechanical & Finishing Works	19	\$95,302.04	\$0.00	21-Jul-13	19-Aug-13																	
	Testing,Commissioning & Final Road Reinstatement Works	7	\$1,080.00	\$0.00	07-Aug-13	19-Aug-13																	
	<b>SEG.NO.6 Trans. Main (St. 2+688 to St. 4+243)DN 250MM</b>	115	\$237,862.93	\$138,045.36	13-Jul-13	28-Aug-13																	
	Pipe Line Installation	25	\$90,102.60	\$90,102.60																			
	Chamber Works	76	\$95,885.53	\$47,942.77	13-Jul-13	28-Jul-13																	
	Structural & Civil Works	36	\$47,942.77	\$47,942.77																			
	Mechanical & Finishing Works	10	\$47,942.77	\$0.00	13-Jul-13	28-Jul-13																	
	Testing & Road Reinstatement Works	8	\$51,874.80	\$0.00	19-Aug-13	28-Aug-13																	
	<b>SEG.NO.7 Trans. Main (St. 6+817 to St. 5+024)DN 250MM</b>	103	\$187,409.46	\$115,181.97	26-Jun-13	03-Sep-13																	
	Pipe Line Installation	12	\$102,768.96	\$102,768.96																			
	Chamber Works	64	\$24,826.02	\$12,413.01	26-Jun-13	28-Jul-13																	
	Structural & Civil Works	18	\$12,413.01	\$12,413.01																			
	Mechanical & Finishing Works	23	\$12,413.01	\$0.00	26-Jun-13	28-Jul-13																	
	Testing & Road Reinstatement Works	8	\$59,814.48	\$0.00	25-Aug-13	03-Sep-13																	
	<b>SEG.NO.8 Trans. Main (St. 4+243 to St. 5+024)DN 250MM</b>	101	\$74,964.48	\$48,910.32	31-Aug-13	15-Sep-13																	
	Pipe Line Installation	12	\$48,910.32	\$48,910.32																			
	Testing & Road Reinstatement Works	13	\$26,054.16	\$0.00	31-Aug-13	15-Sep-13																	
	<b>SEG.NO.9 Trans. Main (St. 8+900 to St. 10+060)DN 250MM,2"-50&amp;</b>	78	\$233,929.19	\$146,420.31	26-Jun-13	19-Aug-13																	
	Pipe Line Installation	17	\$111,952.70	\$111,952.70																			
	Chamber Works	37	\$83,278.89	\$34,467.61	26-Jun-13	19-Aug-13																	
	Structural & Civil Works	26	\$41,639.45	\$34,467.61	26-Jun-13	01-Aug-13																	
	Mechanical & Finishing Works	37	\$41,639.45	\$0.00	26-Jun-13	19-Aug-13																	
	Testing & Road Reinstatement Works	10	\$38,697.60	\$0.00	28-Jul-13	14-Aug-13																	
	<b>SEG.NO.10 Trans. Main (St. 10+060 to St. 10+740)DN 250MM,4"-2'</b>	76	\$292,290.26	\$134,585.60	26-Jun-13	02-Sep-13																	
	Pipe Line Installation	15	\$104,816.66	\$104,816.66																			
	Chamber Works	20	\$111,053.72	\$29,768.94	26-Jun-13	23-Jul-13																	
	Structural & Civil Works	10	\$55,526.86	\$29,768.94	26-Jun-13	07-Jul-13																	
	Mechanical & Finishing Works	20	\$55,526.86	\$0.00	26-Jun-13	23-Jul-13																	
	Testing & Road Reinstatement Works	12	\$76,419.88	\$0.00	19-Aug-13	02-Sep-13																	
	Fully Functional Flow Monitoring Hardware&Software	27	\$90,180.94	\$0.00	26-Aug-13	26-Sep-13																	
	Surif Al Jaba' Road Reinstatement (St.0+250 to St.1+400)	35	\$196,500.00	\$0.00	04-Jul-13	25-Aug-13																	
	Excavation & Earth Work	7	\$8,400.00	\$0.00	04-Jul-13	14-Jul-13																	
	Base Course Works	15	\$58,500.00	\$0.00	14-Jul-13	05-Aug-13																	
	Asphalt Works	5	\$129,600.00	\$0.00	19-Aug-13	25-Aug-13																	
	Training	10	\$2,137.85	\$0.00	15-Sep-13	26-Sep-13																	
	Testing,Commissioning&Start Up	36	\$2,137.85	\$0.00	15-Sep-13	31-Oct-13																	
	<b>Demobilization,Close Out&amp;Handing Over</b>	14	\$31,793.59	\$0.00	26-Sep-13	13-Oct-13																	

- Actual Work
- Remaining Work
- Critical Remaining Work
- Current Bar Labels
- Milestone
- Summary



Date	Revision	Checked	Approved
11-Jun-13	Sr.Planning Eng.Mohamad Ab...	CM/Deputy Prog.-Ivi...	Naim Mani-Prog Director

## JNT 20.2 “S” Curves



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:

Revised Contract Value Less Day Work:

Revised Contract Value Less Day Work:

Revised Contract Value Less Day Work:

NTP (Notice to Proceed)

Duration of Contract:

Completion Date:

Revised Completion Date:

Data Date:

VO5

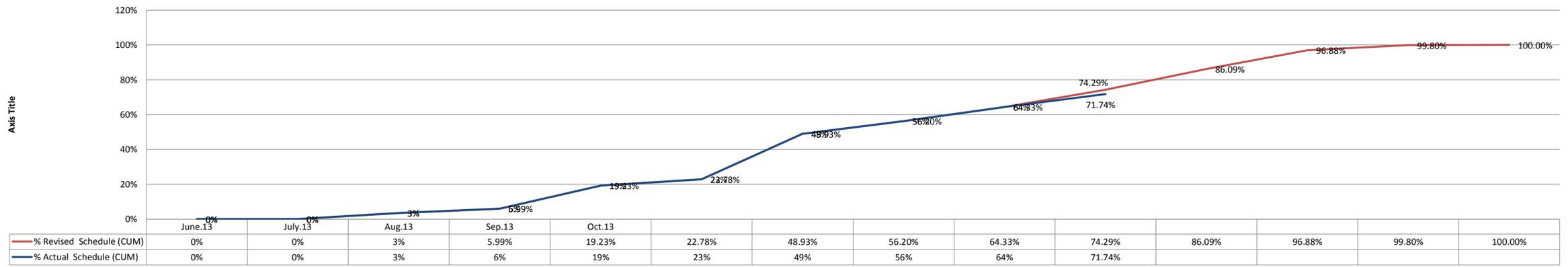
VO6

USD
\$3,338,326.60
\$3,447,970.60
\$3,596,396.22
\$3,681,622.71
27-Sep-12
360 Calendar Days
21-Sep-13
31-Oct-13
26-Jun-13

PROGRESS S-CURVE & CASH FLOW SCHEDULE

	Sep.12	Oct.12	Nov.12	Q1 320,718.04 Dec.12	Jan.13	Feb.13	Q2 1,361,251.13 Mar.13	April.13	May.13	Q3 1,224,452.30 June.13	July.13	Aug.13	Q4 544,251.55 Sep.13	Oct.13	TOTAL
Revised Schedule Value	\$ -	\$ -	\$ 127,174.35	\$ 93,535.91	\$ 487,136.07	\$ 130,671.67	\$ 963,058.76	\$ 267,518.07	\$ 299,223.93	\$ 366,837.40	\$ 434,252.24	\$ 397,382.32	\$ 107,525.05	\$ 7,306.94	\$ 3,681,622.71
Revised Schedule Value (CUM)	\$ -	\$ -	\$ 127,174.35	\$ 220,710.26	\$ 707,846.33	\$ 838,518.00	\$ 1,801,576.76	\$ 2,069,094.83	\$ 2,368,318.76	\$ 2,735,156.16	\$ 3,169,408.40	\$ 3,566,790.72	\$ 3,674,315.77	\$ 3,681,622.71	\$ 3,681,622.71
Actual Schedule Value (CUM)										\$ 272,874.00					
Actual Schedule Value (CUM)										\$ 2,641,192.76					
% Revised Schedule	0%	0%	3%	2.54%	13.23%	3.55%	26.16%	7.27%	8.13%	9.96%	11.80%	10.79%	2.92%	0.20%	100.00%
% Revised Schedule (CUM)	0%	0%	3%	5.99%	19.23%	22.78%	48.93%	56.20%	64.33%	74.29%	86.09%	96.88%	99.80%	100.00%	100.00%
% Actual Schedule	0%	0%	3%	6%	13%	4%	26%	7%	8%	7.41%					
% Actual Schedule (CUM)	0%	0%	3%	6%	19%	23%	49%	56%	64%	71.74%					

Progress S-Curve JNT



## **JNT 20.3 Site Memos Log**



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

**Task Order:** AID - 294 - TO - 12 - 00003  
**Project:** **Project 1: Well #17 Pump Station and Conveyance System**  
**Project 2: Al Jaba' Nuba Main Transmission Pipeline Project**

Number	Description/Subject	Date Received	Comments
Memo-02-JNT-E-C-019	Damaged Cat Eyes	29-May-13	You are requested to replace all damaged middle line cat eyes which were smashed by bobcat improper use during backfilling of JNT pipeline.

## **JNT 20.4 Inspection Requests Log**

### Inspection Requests Log IRD/BV

USAID Contract N0. **AID - 294 -I-00-12 - 00003**  
 Project: **Al Jaba' Nuba Main Transmission Pipeline Project**  
 Sender/ Recipient **IRD/BV**

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02-JNT-150-A	27-May-13	27-May-13	Inspecting the formwork and steel reinforcement for ARV chamber walls at station 4+235 prior to closing the formwork.	27-May-13	make correction noted		
IR-02-JNT-151-A	27-May-13	27-May-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for Surif connection chamber at station 2+528 prior to applying the second layer.	27-May-13	make correction noted		
IR-02-JNT-152-A	27-May-13	27-May-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for Surif Connection chamber at station 2+528 , prior to backfilling excavated area.	27-May-13	make correction noted		
IR-02-JNT-153-A	27-May-13	27-May-13	Inspecting the formwork and steel reinforcement for Surif Future connection chamber walls prior to placing concrete at station 4+230.	27-May-13	make correction noted		
IR-02-JNT-154-A	27-May-13	27-May-13	Inspecting the formwork and steel reinforcement for ARV chamber walls prior to placing concrete at station 4+253.	27-May-13	make correction noted		
IR-02-JNT-155-A	27-May-13	27-May-13	Inspecting the formwork and steel reinforcement for ARV chamber roof slab prior to placing concrete at station 5+260.	27-May-13	make correction noted		
IR-02-JNT-156-A	27-May-13	27-May-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for GV chamber at station 6+741 before insulating and applying the first layer of Bitumen Emulsion Coating.	28-May-13	make correction noted		
IR-02-JNT-157-A	28-May-13	28-May-13	Inspecting the backfill trench , the top base course layer and preparation to start asphaltting for the section between stations 6+000 to station 6+700, in addition to conduct the required base compaction tests through the selected section.	28-May-13	make correction noted		
IR-02-JNT-158-A	28-May-13	28-May-13	Inspecting the backfill trench , the top base course layer and preparation to start asphaltting for the section between stations 5+500 to station 5+800, in addition to conduct the required base compaction tests through the selected section.	28-May-13	make correction noted		
IR-02-JNT-159-A	28-May-13	29-May-13	To inspect the available 10-inch welded steel pipes at FIP company (SCH20 – PE External Coating and Internal Cement Lining). Total Quantity is 42 pipes. Total length is 508.2 meters. The Proposed plan is to deliver 39 pipes of 472 meters total length to	29-May-13	make correction noted		
IR-02-JNT-160-A	29-May-13	29-May-13	Inspecting the prepared base course top layer before asphaltting the trench section from station 5+480 to station 6+500.	29-May-13	make correction noted		
IR-02-JNT-161-A	29-May-13	29-May-13	Inspecting the applied first layer of bitumen emulsion coating for WO chamber at station 6+778 prior to applying the second layer.	29-May-13	make correction noted		
IR-02-JNT-162-A	29-May-13	29-May-13	Inspecting the applied first layer of bitumen emulsion coating for GV chamber at station 6+741 prior to applying the second layer.	29-May-13	make correction noted		
IR-02-JNT-163-A	29-May-13	29-May-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for ARV chambers at station 5+260 before insulating and applying the first layer of Bitumen Emulsion Coating.	29-May-13	make correction noted		
IR-02-JNT-164-A	29-May-13	29-May-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 5+260 prior to applying the second layer.	29-May-13	make correction noted		
IR-02-JNT-165-A	29-May-13	29-May-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for GV chamber at station 6+741 prior to backfilling excavated area.	29-May-13	make correction noted		
IR-02-JNT-166-A	29-May-13	29-May-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for WO chamber at station 6+778 prior to backfilling excavated area.	29-May-13	make correction noted		
IR-02-JNT-167-A	29-May-13	29-May-13	Inspecting the form work and steel reinforcement for Surif future connection chamber for roof slab at station 4+230 prior to closing the formwork.	29-May-13	make correction noted		
IR-02-JNT-168-A	29-May-13	29-May-13	Inspecting the form work and steel reinforcement for ARV chamber for roof slab at station 4+253 prior to closing the formwork.	29-May-13	make correction noted		
IR-02-JNT-169-A	29-May-13	29-May-13	Inspecting the excavated area for Nuba-Hata connection chamber at station 11+251 prior to placing blinding concrete.	29-May-13	make correction noted		
IR-02-JNT-170-A	30-May-13	30-May-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 5+260 prior to backfilling excavated area.	30-May-13	make correction noted		
IR-02-JNT-171-A	30-May-13	30-May-13	Inspecting the excavated area for ARV chamber at station 9+180 and GV chamber at station 9+200 prior to placing blinding concrete.	30-May-13	make correction noted		
IR-02-JNT-172-A	30-May-13	30-May-13	Inspecting the marked location for Nuba connection chamber at station 10+947 prior to starting excavation.	30-May-13	Amend-Resubmit		
IR-02-JNT-172-B	9-Jun-13	9-Jun-13	Inspecting the marked location for Nuba connection chamber at station 10+947 prior to starting excavation.	9-Jun-13	Make Correction Noted		

### Inspection Requests Log IRD/BV

USAID Contract N0. **AID - 294 -I-00-12 - 00003**  
 Project: **Al Jaba' Nuba Main Transmission Pipeline Project**  
 Sender/ Recipient **IRD/BV**

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02-JNT-173-A	30-May-13	30-May-13	Inspecting the backfill trench , the top base course layer and preparation to start asphaltting for the section between station 6+500 to station 6+800, in addition to conduct the required base compaction tests through the selected section.	30-May-13	Make Correction Noted		
IR-02-JNT-174-A	2-Jun-13	2-Jun-13	Inspecting the marked location for Kharas connection chamber at station 9+939 prior to starting excavation.	2-Jun-13	Make Correction Noted		
IR-02-JNT-175-A	2-Jun-13	2-Jun-13	Inspecting the formwork and steel reinforcement for Nuba-Hata connection chamber base at station 11+251 prior to placing concrete.	2-Jun-13	Make Correction Noted		
IR-02-JNT-176-A	2-Jun-13	2-Jun-13	Inspecting the formwork and steel reinforcement for ARV chamber base at station 9+190 prior to placing concrete.	2-Jun-13	Make Correction Noted		
IR-02-JNT-177-A	2-Jun-13	2-Jun-13	Inspecting the formwork and steel reinforcement for GV chamber base at station 9+200 prior to placing concrete.	2-Jun-13	Make Correction Noted		
IR-02-JNT-178-A	3-Jun-13	3-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for Sunif future connection chamber at station 4+230 before insulating and applying the first layer of Bitumen Emulsion Coating.	3-Jun-13	Amend-Resubmit		
IR-02-JNT-178-B	5-Jun-13	5-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for Sunif future connection chamber at station 4+230 before insulating and applying the first layer of Bitumen Emulsion Coating.	5-Jun-13	Make Correction Noted		
IR-02-JNT-179-A	3-Jun-13	3-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for ARV chamber at station 4+253 before insulating and applying the first layer of Bitumen Emulsion Coating.	3-Jun-13	Amend-Resubmit		
IR-02-JNT-179-B	5-Jun-13	5-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for ARV chamber at station 4+253 before insulating and applying the first layer of Bitumen Emulsion Coating.	5-Jun-13	Make Correction Noted		
IR-02-JNT-180-A	4-Jun-13	4-Jun-13	Inspecting the excavated area for Kharas connection chamber at station 9+939 prior to placing blinding concrete.	4-Jun-13	Make Correction Noted		
IR-02-JNT-181-A	5-Jun-13	5-Jun-13	Inspecting the formwork and steel reinforcement for ARV chamber walls at station 9+190 prior to closing the formwork.	5-Jun-13	Make Correction Noted		
IR-02-JNT-182-A	5-Jun-13	5-Jun-13	Inspecting the formwork and steel reinforcement for Nuba Hata connection chamber walls at station 11+251 prior to closing the formwork.	5-Jun-13	Make Correction Noted		
IR-02-JNT-183-A	5-Jun-13	5-Jun-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 4+253 prior to applying the second layer.	5-Jun-13	Make Correction Noted		
IR-02-JNT-184-A	6-Jun-13	6-Jun-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for Sunif future connection chamber at station 4+230 prior to applying the second layer.	6-Jun-13	Make Correction Noted		
IR-02-JNT-185-A	6-Jun-13	6-Jun-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 4+253 prior to backfilling excavated area.	6-Jun-13	Make Correction Noted		
IR-02-JNT-186-A	6-Jun-13	6-Jun-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for Sunif future connection chamber at station 4+230 prior to backfilling excavated area.	6-Jun-13	Make Correction Noted		
IR-02-JNT-187-A	9-Jun-13	9-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber base at station 09+939 prior to placing concrete.	9-Jun-13	Amend-Resubmit	9-Jun-13	Make Correction Noted
IR-02-JNT-188-A	9-Jun-13	9-Jun-13	Inspecting the formwork and steel reinforcement for Nuba-Hata connection chamber walls at station 11+251 prior to placing concrete.	10-Jun-13	Make Correction Noted		
IR-02-JNT-189-A	9-Jun-13	9-Jun-13	Inspecting the backfilled trench , the top base course layer and preparation to start asphaltting for the section between stations 04+250 to station 05+050, in addition to conduct the required base course compaction tests through the selected section.	9-Jun-13	Amend-Resubmit	9-Jun-13	Make Correction Noted
IR-02-JNT-190-A	6-Jun-13	6-Jun-13	Inspecting the formwork and steel reinforcement for ARV chamber walls prior to placing concrete at station 9+190.	6-Jun-13	Make Correction Noted		
IR-02-JNT-191-A	10-Jun-13	10-Jun-13	Inspecting the formwork and steel reinforcement for ARV chamber roof slab prior to placing concrete at station 9+190.	10-Jun-13	Make Correction Noted		

### Inspection Requests Log IRD/BV

USAID Contract N0. **AID - 294 -I-00-12 - 00003**  
 Project: **Al Jaba' Nuba Main Transmission Pipeline Project**  
 Sender/ Recipient **IRD/BV**

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02JNT-192-A	11-Jun-13	11-Jun-13	Inspecting the safe concrete barriers that installed around Nuba main chamber at station 10+400.	11-Jun-13	Make Correction Noted		
IR-02JNT-193-A	11-Jun-13	11-Jun-13	Inspecting the backfilled trench , the top base course layer and preparation to start asphaltting for the section between station 04+650 to station 05+000, in addition to conduct the required base course compaction tests through the selected section.	11-Jun-13	Make Correction Noted		
IR-02JNT-194-A	12-Jun-13	12-Jun-13	Inspecting the prepared base course top layer prior to asphaltting the trench section from station 4+650 to station 5+000	12-Jun-13	Make Correction Noted		
IR-02JNT-195-A	12-Jun-13	12-Jun-13	Inspecting the formwork and steel reinforcement for GV chamber walls at station 09+200 prior to closing the formwork.	12-Jun-13	Make Correction Noted		
IR-02JNT-196-A	12-Jun-13	12-Jun-13	Inspecting the formwork and steel reinforcement for Nuba-Hata connection chamber roof slab at station 11+251 prior to placing concrete	12-Jun-13	Make Correction Noted		
IR-02JNT-197-A	12-Jun-13	12-Jun-13	Inspecting the excavated area for Nuba main chamber at station 10+400 prior to placing blinding concrete layer.	12-Jun-13	Make Correction Noted		
IR-02JNT-198-A	12-Jun-13	12-Jun-13	Inspecting the prepared base course top layer before asphaltting the trench section from station 02+700 to station 02+740	12-Jun-13	Make Correction Noted		
IR-02JNT-199-A	13-Jun-13	13-Jun-13	Inspecting the formwork and steel reinforcement for GV chamber walls at station 09+200 prior to placing concrete.	13-Jun-13	Make Correction Noted		
IR-02JNT-200-A	15-Jun-13	15-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber walls at station 9+939 prior to closing the formwork.	15-Jun-13	Make Correction Noted		
IR-02JNT-201-A	16-Jun-13	16-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber walls (chamber No.1) at station 09+939 prior to placing concrete.	16-Jun-13	Make Correction Noted		
IR-02JNT-202-A	16-Jun-13	16-Jun-13	Inspecting the formwork and steel reinforcement for GV chamber roof slab at station 09+200 prior to placing concrete.	16-Jun-13	Make Correction Noted		
IR-02JNT-203-A	16-Jun-13	16-Jun-13	Inspecting the marked location for WO chamber at station 9+770 prior to starting excavation.	16-Jun-13	Make Correction Noted		
IR-02JNT-204-A	16-Jun-13	16-Jun-13	Inspecting the formwork and steel reinforcement for Nuba main connection chamber base slab at station 10+700 prior to placing concrete.	16-Jun-13	Make Correction Noted		
IR-02JNT-205-A	17-Jun-13	17-Jun-13	Inspecting the safety concrete barriers that installed around Wash Out chamber at station 09+770 prior to starting excavation work	17-Jun-13	Make Correction Noted		
IR-02JNT-206-A	17-Jun-13	17-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for ARV chamber at station 09+190 before insulating and applying the first layer of Bitumen Emulsion Coating.	18-Jun-13	Make Correction Noted		

### Inspection Requests Log IRD/BV

USAID Contract N0. **AID - 294 -I-00-12 - 00003**  
 Project: **Al Jaba' Nuba Main Transmission Pipeline Project**  
 Sender/ Recipient **IRD/BV**

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02-JNT-207-A	17-Jun-13	17-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for Nuba Hata connection chamber at station 11+251 before insulating and applying the first layer of Bitumen Emulsion Coating.	19-Jun-13	Make Correction Noted		
IR-02-JNT-208-A	17-Jun-13	17-Jun-13	Inspecting the backfilled trench , the top base course layer and preparation to start asphaltting for the section between stations 09+700 to station 09+900, in addition to conduct the required base course compaction tests through the selected section.	18-Jun-13	Amend-Resubmit		
IR-02-JNT-208-B	19-Jun-13	19-Jun-13	Inspecting the backfilled trench , the top base course layer and preparation to start asphaltting for the section between stations 09+700 to station 09+900, in addition to conduct the required base course compaction tests through the selected section.	19-Jun-13	Make Correction Noted		
IR-02-JNT-209-A	17-Jun-13	17-Jun-13	Inspecting the backfilled trench , the top base course layer and preparation to start asphaltting for the section between stations 09+970 to station 10+150, in addition to conduct the required base course compaction tests through the selected section.	18-Jun-13	Make Correction Noted		
IR-02-JNT-210-A	19-Jun-13	19-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber roof slab (Chamber No.1) prior to placing concrete at station 09+939.	19-Jun-13	Make Correction Noted		
IR-02-JNT-211-A	19-Jun-13	19-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber walls (Chamber No.2) prior to placing concrete at station 09+939.	19-Jun-13	Make Correction Noted		
IR-02-JNT-212-A	19-Jun-13	19-Jun-13	Inspecting the excavated area for Wash Out chamber at station 09+670 prior to placing blinding concrete.	19-Jun-13	Make Correction Noted		
IR-02-JNT-213-A	20-Jun-13	20-Jun-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 09+190 prior to applying the second layer.	20-Jun-13	Make Correction Noted		
IR-02-JNT-214-A	20-Jun-13	20-Jun-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for Nuba Hata connection chamber at station 11+251 prior to applying the second layer.	20-Jun-13	Make Correction Noted		
IR-02-JNT-215-A	20-Jun-13	20-Jun-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for Nuba Hata connection chamber at station 11+251 prior to backfilling excavated area.	20-Jun-13	Make Correction Noted		
IR-02-JNT-216-A	22-Jun-13	22-Jun-13	Inspecting the repaired and prepared external surfaces of the walls and roof slab for GV connection chamber at station 09+200 before insulating and applying the first layer of Bitumen Emulsion Coating.	22-Jun-13	Make Correction Noted		
IR-02-JNT-217-A	22-Jun-13	22-Jun-13	Inspecting the applied first layer of bitumen emulsion coating for the walls and roof slab for GV chamber at station 09+200 prior to applying the second layer.	22-Jun-13	Make Correction Noted		
IR-02-JNT-218-A	23-Jun-13	24-Jun-13	Inspecting the formwork and steel reinforcement for Kharas connection chamber (Chamber No. 2) roof slab prior to placing concrete at station 09+939.	24-Jun-13	Make Correction Noted		
IR-02-JNT-219-A	23-Jun-13	24-Jun-13	Inspecting the formwork and steel reinforcement for Nuba main connection chamber walls at station 10+700 prior to placing concrete.	22-Jun-13	Make Correction Noted		

### Inspection Requests Log IRD/BV

USAID Contract N0. **AID - 294 -I-00-12 - 00003**  
 Project: **Al Jaba' Nuba Main Transmission Pipeline Project**  
 Sender/ Recipient **IRD/BV**

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02-JNT-220-A	23-Jun-13	23-Jun-13	Inspecting the backfill trench , the top base course layer and preparation to start asphaltting for the section between stations 09+350 to station 09+700, in addition to conduct the required base compaction tests through the selected section.	23-Jun-13	Make Correction Noted		
IR-02-JNT-221-A	23-Jun-13	23-Jun-13	Inspecting the formwork and steel reinforcement for Nuba main connection chamber walls at station 10+700 prior to placing concrete.	24-Jun-13	Make Correction Noted		
IR-02-JNT-222-A	24-Jun-13	24-Jun-13	Inspecting the Marked location for the Gate Valve chamber (Precast Chamber) at station 01+522 before starting the excavation work.	24-Jun-13	Amend-Resubmit		
IR-02-JNT-223-A	24-Jun-13	24-Jun-13	Inspecting the Marked location for the Gate Valve chamber (Precast Chamber) at station 00+276 before starting the excavation work.	24-Jun-13	Amend-Resubmit		
IR-02-JNT-224-A	24-Jun-13	24-Jun-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for ARV chamber at station 09+190 prior to backfilling excavated area.	24-Jun-13	Make Correction Noted		
IR-02-JNT-225-A	25-Jun-13	25-Jun-13	Inspecting the applied second layer of bitumen emulsion coating for the walls and roof slab for GV chamber at station 09+200 prior to backfilling excavated area.	24-Jun-13	Make Correction Noted		
IR-02-JNT-226-A	25-Jun-13	25-Jun-13	Inspecting the formwork and steel reinforcement for WO chamber base slab at station 09+670 prior to placing concrete.	25-Jun-13	Make Correction Noted		
IR-02-JNT-227-A	25-Jun-13	25-Jun-13	Inspecting the prepared base course top layer before asphaltting the trench section from station 09+350 to station 09+700.	25-Jun-13	Make Correction Noted		

## JNT 20.5 Submittals Log

**SUBMITTAL REGISTER LOG/SCHEDULE**

NTP: 27-Sep-12

NOA: 13-Sep-12

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 - 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-W17-001-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-W17-001-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 Response</b>
<b>SMP</b> SAMPLE				
<b>CO</b> COMPLETION & CLOSEOUT				
<b>MAT</b> MATERIAL				

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	Planned Submission Date to ENGINEER	Actual Submission Date	Submission Delay	Response Needed by (Max. 30 days)	Date Returned to IRD	Total Engineer Response Time	Submittal Disposition (Grade)	Remarks
SUB-02-JNT-204-A	As built drawing for transmission pipeline from ST.1+500 to St.2+714.		PD	CONS	SUB	JNT			A			2-Jun-13		2-Jul-13	5-Jun-13	3	B	
SUB-02-JNT-205-A	Raphael Rising Stem Gate Valves – Raphael Letter and Datasheets.	15206	PD	CONS	SUB	JNT			A			3-Jun-13		3-Jul-13	9-Jun-13	6	B	
SUB-02-JNT-206-A	May -2013 Updated CPM Schedule.	01310	PD	CONS	SUB	JNT			A			3-Jun-13		3-Jul-13	17-Jun-13	14	C	
SUB-02-JNT-207-A	Shop Drawing For AL-Jab'a Road.	01310	PD	CONS	SUB	JNT			A			9-Jun-13		9-Jul-13	18-Jun-13	9	C	
SUB-02-JNT-209-A	Raphael Gate Valves – TRL PN16 and PN25.	15206	PD	CONS	SUB	JNT			A			16-Jun-13		16-Jul-13	17-Jun-13	1	B	
SUB-02-JNT-210-A	Talis Dismantling Joint –PAS 10 PN16 and PN25.	1500	PD	CONS	SUB	JNT			A			16-Jun-13		16-Jul-13	18-Jun-13	2	B	
SUB-02-JNT-211-A	ARI Combination Air Release Valve – D-052/ PN25.	15230	PD	CONS	SUB	JNT			A			16-Jun-13		16-Jul-13	17-Jun-13	1	B	
SUB-02-JNT-212-A	2-Part thixotropic epoxy adhesive.		PD	CONS	SUB	JNT			A			20-Jun-13		20-Jul-13	24-Jun-13	4	B	

## **JNT 20.6 Requests 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	Status
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There were no RFIs issued during the reporting period

## **JNT 20.7 Variation Order Request and Variation Order Log**



**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	Revised Completion Date
					BOQ	Day Work	Total	BOQ	Day Work	Total	BOQ	Day Work	Total						

There were no Vos issued during the reporting period

<b>Variation Order Request /VOR Log</b>	Task Order:02 Sub-project: Al Jaba' Nuba Main Transmission Pipeline Project	NTP: 27-Sep-12
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VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			
VOR-02-WJN-007-B	29-May-13			\$312,262.80	N/A	N/A		1. Milling of the existing asphalt up to 4 cm. Work includes milling, removal and disposal of all milled asphalt, debris, unsuitable and surplus materials to approved locations, supplying, spreading and compacting 4 cm thick bituminous wearing course and applying bituminous tack coat. All work for estimated quantities of 10,000 sq. m and as per Site Memo No.011. 2. Through the comments on the revised VOR-02-07-A-r the Engineer has increased the quantities and added new items.		
VOR-02-WJN-007-C	17-Jun-13			\$307,740.00	N/A	N/A		1. Milling of the existing asphalt up to 4 cm. Work includes milling, removal and disposal of all milled asphalt, debris, unsuitable and surplus materials to approved locations, supplying, spreading and compacting 4 cm thick bituminous wearing course and applying bituminous tack coat. All work for estimated quantities of 10,000 sq. m and as per Site Memo No.011. 2. Through the comments on the revised VOR-02-WJN-07-B, the Engineer has asked the contractor to revise the submitted price quotation breakdown.		
VOR-02-WJN-007-D	24-Jun-13			\$294,052.00	N/A	N/A		1. Milling of the existing asphalt up to 4 cm. Work includes milling, removal and disposal of all milled asphalt, debris, unsuitable and surplus materials to approved locations, supplying, spreading and compacting 4 cm thick bituminous wearing course and applying bituminous tack coat. All work for estimated quantities of 10,000 sq. m and as per Site Memo No.011. 2. Through the comments on the revised VOR-02-07-C the Engineer has changed the quantities.		