



# USAID | West Bank / Gaza

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## Infrastructure Needs Program II (INP II)

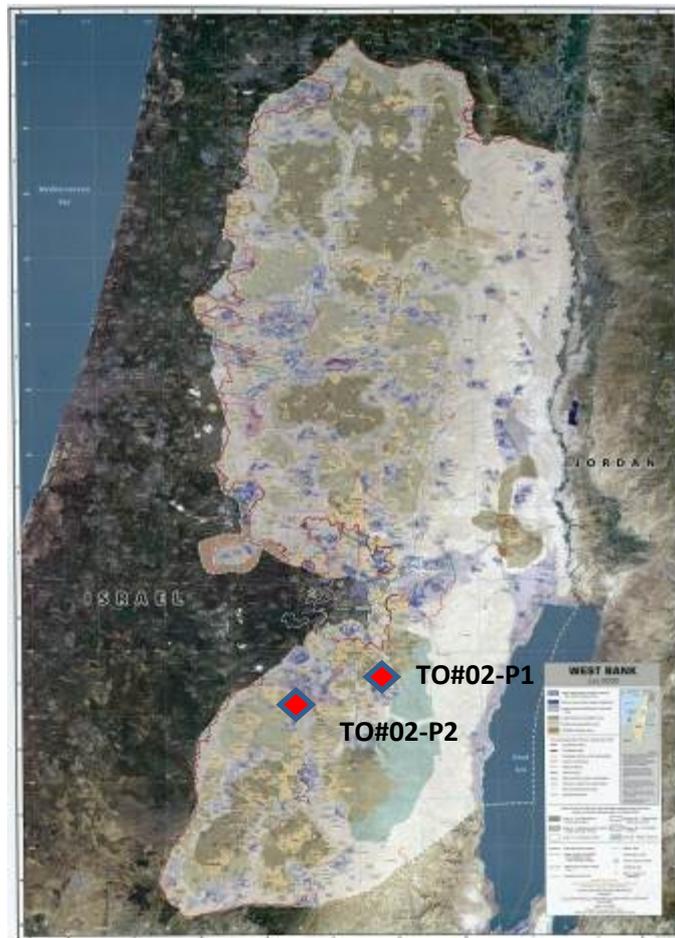
### CONSTRUCTION MONTHLY PROGRESS REPORT From September 27, 2013 to October 31, 2013

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)





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

### **Construction Monthly Progress Report Month of October, 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		Current Payment Amount	Previous	Cumulative to date	Payment Submission Date	CMC Approval Date	Date Payment Received
	Quantity	Period From						
-	-	-	-	\$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

#### Actual 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	Zero (the project was terminated at its early stage)

Table 16.2-W17-Actual 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 submitted settlement proposal to USAID on September 19, 2013.

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 October, 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;
- Public outreach meeting at Kharas Municipality: IRD conducted a meeting at Kharas Municipality in the attendance of Mr. Abed AlFatah Qdeimat the Mayor of Kharas municipality and some municipal members. The meeting was attended by IRD's project team members, IRD's Public Outreach Specialist and Musab Abido from Brothers Company; IRD and the Mayor discussed the project's situation before the handing over, the meeting included some concerns about water, mainly the existing reservoir which was built since 2005 but has not been put into operation since then. IRD made it clear that connecting the existing reservoir is not within the scope of work of the current contract. Moreover the mayor mentioned two main concerns; to add 500 meters square of asphalt beside the municipality area, and a road near station 10+250.



**Photo No.1--Kharas: Meeting at Kharas Municipality**

**Photo Date: 27 Oct 2013**



**Photo No.2--Kharas: Meeting at Kharas Municipality**

**Photo Date: 27 Oct 2013**



**Photo No.3--Kharas: Meeting at Kharas Municipality**

**Photo Date: 27 Oct 2013**



**Photo No.4--Kharas: Meeting at Kharas Municipality**

**Photo Date: 27 Oct 2013**

- Public outreach meeting at Surif Municipality: IRD conducted a meeting in the attendance of Mr. Gneimat the Mayor of Surif and some municipal members. The

meeting was attended by IRD's project team members, IRD's Public Outreach Specialist and Musab Abido from Brothers Company; IRD and the Mayor discussed the project situation, they have no concerns, the mayor stated that since the project begins they never faced any troubles working with IRD or the consultants, and during the meeting he explained that he is very thankful.



Photo No.1--Surif: Meeting at Surif Municipality

Photo Date: 27 Oct 2013



Photo No.2--Surif: Meeting at Surif Municipality

Photo Date: 27 Oct 2013



Photo No.3--Surif: Meeting at Surif Municipality

Photo Date: 27 Oct 2013



Photo No.4--Surif: Meeting at Surif Municipality

Photo Date: 27 Oct 2013

## 2. Safety and Environmental Status

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

### Traffic Management:

No traffic disruption as all construction activities were completed previously. Mainly testing and commissioning activities were performed this month.

### Safety Meeting:

Safety meetings were conducted on a weekly basis with IRD's 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, one safety tool box meeting was conducted during the current reporting period.

**Accident Status:**

During the current reporting period (0) accident occurred.

The accident statistics for the month of October, 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 and with successfully completing the construction activities with no reported accidents. 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
October 10, 2013	Hebron DCL	Coordination with Hebron DCL for a site visit, regarding the situation at Jaba' intersection and the new asphalt and widening of the road
October 20, 2013	Hebron DCL site visit	Hebron DCL site visit to Jaba' intersection, and inspecting the road status

**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 the site					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
1	28 Sep,13	Welding machine	1	10	0
2		4*4 Car	2	10	0
3	29 Sep,13	Welding machine	1	10	0
4		4*4 Car	2	10	0
5	30 Sep,13	Welding machine	1	10	0
6		4*4 Car	2	10	0
7	01 Oct,13	Welding machine	1	10	0
8		4*4 Car	2	10	0
9		Dumping Truck	1	10	0
10		JCB	1	10	0
11	02 Oct,13	Welding machine	1	10	0
12		4*4 Car	2	10	0
13		Dumping Truck	1	10	0
14		JCB	1	10	0
15	03 Oct,13	Welding machine	1	10	0
16		4*4 Car	2	10	0
17	05 Oct,13	Welding machine	1	10	0
18		4*4 Car	2	10	0
19		JCB	1	10	0
20	06 Oct,13	Welding machine	1	10	0
21		4*4 Car	2	10	0
22		JCB	1	10	0
23		Dumping truck	1	10	0
24	07 Oct,13	Welding machine	1	10	0
25		4*4 Car	2	10	0
26		JCB	1	10	0
27		Dumping truck	1	10	0
28	08 Oct,13	Welding machine	1	10	0
29		4*4 Car	2	10	0
30	09 Oct,13	Welding machine	1	10	0
31		4*4 Car	2	10	0
32	10 Oct,13	Welding machine	1	10	0
33		4*4 Car	2	10	0
34	12 Oct,13	Welding machine	1	10	0
35		4*4 Car	2	10	0
36	13 Oct,13	Welding machine	1	10	0
37		4*4 Car	2	10	0
38		JCB	1	10	0
39		Dumping truck	1	10	0
40	19 Oct,13	Welding machine	1	8	0

<b>Equipment delivered to the site</b>					
No.	Date on Site	Description	Quantity in use	Hours	Quantity Idle
41		4*4 Car	1	8	0
42	20 Oct,13	Welding machine	1	8	0
43		4*4 Car	1	8	0
44	21 Oct,13	Welding machine	1	8	0
45		4*4 Car	1	8	0
46	22 Oct,13	Welding machine	1	8	0
47		4*4 Car	1	8	0
48	23 Oct,13	Welding machine	1	8	0
49		4*4 Car	1	8	0
50	24 Oct,13	Welding machine	1	8	0
51		4*4 Car	1	8	0
52	26 Oct,13	Welding machine	1	8	0
53		4*4 Car	1	8	0
54	27 Oct,13	Welding machine	1	8	0
55		4*4 Car	1	8	0
56	28 Oct,13	Welding machine	1	8	0
57		4*4 Car	1	8	0
58	29 Oct,13	Welding machine	1	8	0
59		4*4 Car	1	8	0
60	30 Oct,13	Welding machine	1	8	0
61		4*4 Car	1	8	0
62	31 Oct,13	Welding machine	0	0	1
63		4*4 Car	1	8	0

**Table 4.1-JNT Equipment on Site**

<b>Material delivered to the site:</b>					
No.	Date	Item	Description	QTY	Location
1	01 Oct,13	Single Size	Supplying single size to the site	40 CUM	At St.(00+032), St.(01+500) & St.(02+528)
2	02 Oct,13	Single Size	Supplying single size to the site	20 CUM	At St.(09+160) and St.(02+720)
3	05 Oct,13	Ready mix concrete B200	Supplying concrete to the site	3 CUM	Marker post along the project route
4	06 Oct,13	Single size	Supplying single size to the site	20 CUM	At St.(10+740)
5	07 Oct,13	Single size	Supplying single size to the site	20 CUM	At St.(09+939)
6	13 Oct,13	Single size	Supplying single size to the site	20 CUM	Nuba Hata at St.(11+250)

<b>Material delivered to the site:</b>					
No.	Date	Item	Description	QTY	Location
7	19 Oct,13	2" Water meter	Supplying water meters to the site	4 Pieces	Kharas connection/Deir Connection/Surif connection/Nuba Hata connection
8	20 Oct,13	2" Water meter	Supplying water meters to the site	5 Pieces	Kharas connection/Deir Connection/Surif connection/Nuba Hata connection
9	30 Oct,13	Orifice plates	Supplying orifice plates to the site	3 Pieces	JNT

**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
Revised Planned percentage complete	100%
Actual percentage complete	100%
Elapsed Time	100%

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

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 16 submittals were submitted for this project. Review comments were received for 14 of them. The Engineer's review time for reviewed submittals ranged from 2 days to 20 days, one submittal was retracted, 13 submittals got a grade A and one submittal got grade B.

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

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

**Table 5.2-JNT-Submittals Disposition**

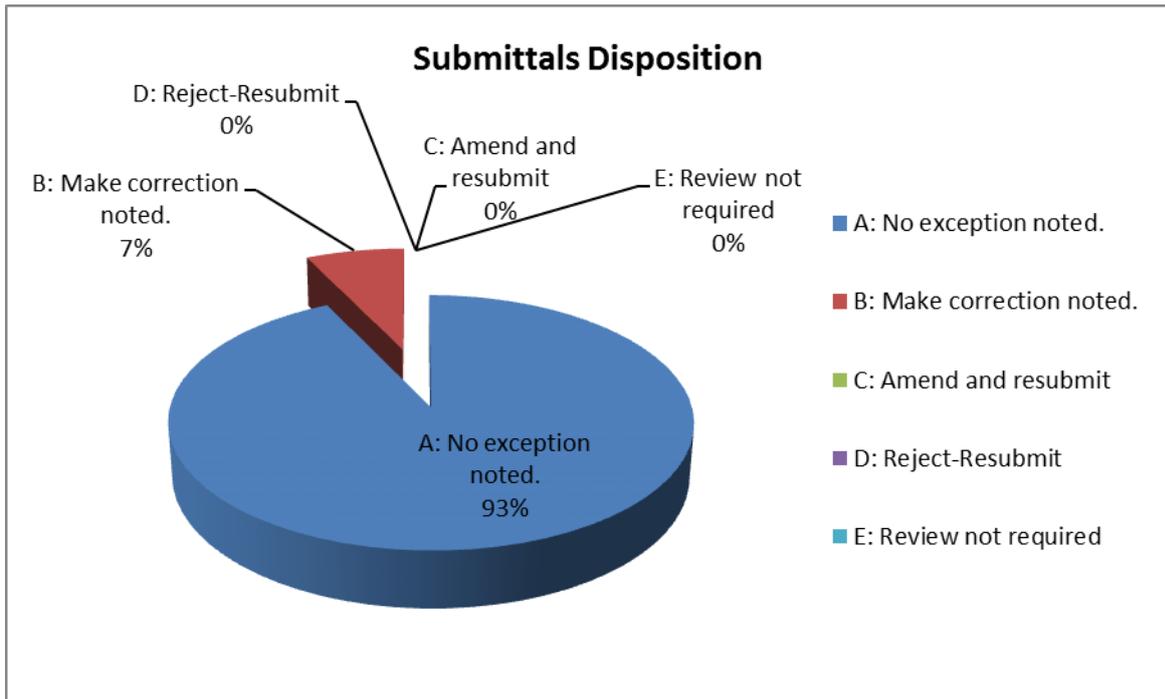


Figure 5.1-JNT-Submittals Disposition

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:

- One month testing and commissioning.
- Punch list items completion.
- Check and calibrate all Bermad installed valves in the connection chambers by Bermad Representatives.
- Install the pressure gauges in the connection chambers.
- Disinfection for the 3” pipeline from station 1+500 to Station 2+528 and for 4” steel pipeline from St.10+160 to St.9+160
- Taking disinfection samples for the 3” pipeline from station 1+500 to Station 2+528 and for 4” steel pipeline from St.10+160 to St.9+160 and deliver it to the lab for analysis and prepare the report.
- Check the electromagnetic water meter and module for all connection chambers.
- Connect to the existing network for Aljabaa at St.0+000 and for Deir Mousa at St.0+230& for Deir Neil at St.1+500 and for Surif at St.2+528
- Connect to the existing network for Khirbet Aldier at St.2+720 and for Swaneh at St.9+160.
- Start excavation to connect to the existing network at Nuba main with the Ductile.

- Connect to the existing network at Nuba main with the Ductile.
- Connect to the existing network at Kharas connection St.9+939
- Taking asphalt core test samples by Building Center technicians from St.0+230 to St.3+400 for thickness & compaction test.
- Taking asphalt core test samples by Building Center technicians from St.3+400 to St.10+700 for thickness & compaction test.
- Connect to existing network at St.11+250 (Nuba Hata connection)
- Installing the 2” water meter at Kharas connection/Deir Connection/Surif Connection/Nuba Hata Connection.
- Taking asphalt core test samples by Building Center representatives at St. (03+905) and St.(07+905).
- Reconnecting Al-Jabaa connection at station 0+000
- Removing the flow control Valve for Al-jabaa connection upon BV & WBWD request and install spool.
- Final Handing over for JNT project.

## 7. Final handing over for TO-12-00002-JNT Project

On Oct.31, 2013 the final walkthrough, project acceptance and hand over to PWA for TO-12-00002-JNT Project was conducted in participation of USAID, CMC (Black and Veatch), IRD, West Bank Water Department (WBWD) and Palestinian Water Authority (PWA). The handing over was made for the entire "Jaba Nuba Transmission Pipeline" project where approximately 11 km of 12” and 10” pipes and 3 km of 4”, 3” and 2” pipes were supplied and installed including their associated 30 mechanical chambers.

TO-12-00002-JNT Project was one of the most infrastructure USAID successful projects in terms of safety and quality and is considered to be the first project using the new SCADA/GPRS system for remote access of flow information.



Photo No.1--JNT: Handing over

Photo Date: 31 Oct 2013



Photo No.2--JNT: Handing over

Photo Date: 31 Oct 2013



Photo No.3--JNT: Handing over

Photo Date: 31 Oct 2013



Photo No.4--JNT: Handing over

Photo Date: 31 Oct 2013



Photo No.5--JNT: Handing over

Photo Date: 31 Oct 2013



Photo No.6--JNT: Handing over

Photo Date: 31 Oct 2013

## 8. Updated Schedule

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

## 9. Site Memo

During the current reporting period no site memos were issued from the Engineer to the Contractor. For further details please see Attachment JNT 20.3- Site Memo Log.

## 10. Inspection Request

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

## 11. Test Reports

During the current reporting period 10 testing reports were submitted to the Engineer for approval. The 10 tests passed and were approved.

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

Type of Test	No. of Tests Passed	No. of Tests Failed	No. of Tests (Results Not Received)	Total No. of Tests Conducted
Microbiology test	1	0	0	1
Chlorine analysis	1	0	0	1
Core test	4	0	0	4
Concrete compressive strength	4	0	0	4
Total	10	0	0	10

Table 10.1-JNT-Test Report Summary

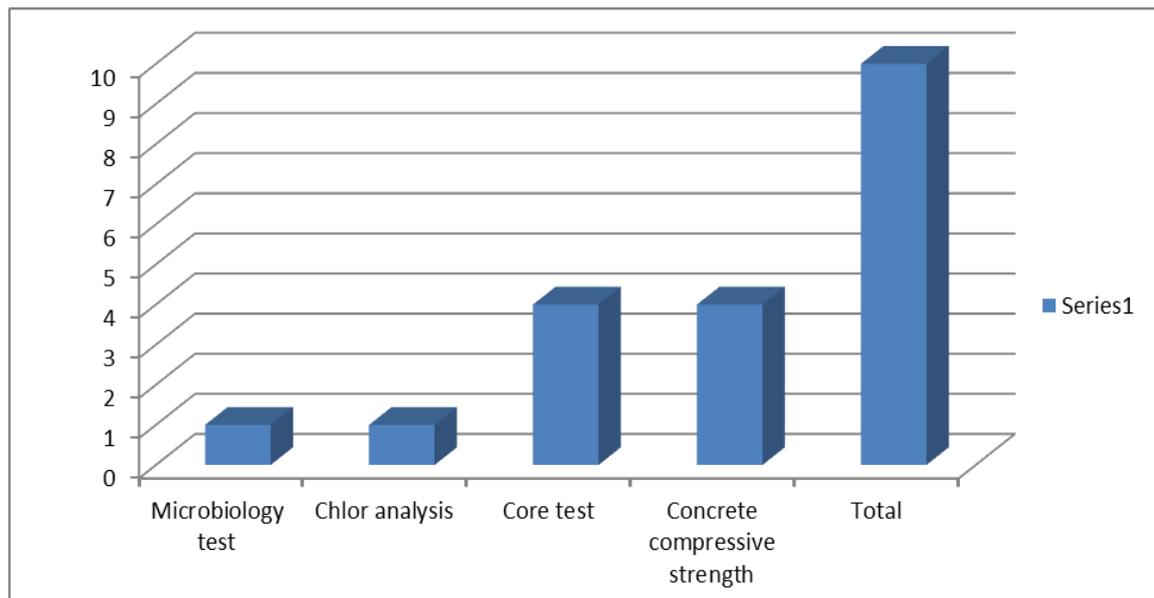


Figure 10.1-JNT- Quality Control Testing

## 12. 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.

## 13. Summary of Payments and Accrued Expenditures

- 1- IRD submitted its 8<sup>th</sup> payment under Task Order No. 12-00002-JNT on October 23, 2013. CMC requested from IRD to revise some measurement sheets and payment was resubmitted on October 29, 2013; the payment was approved by CMC on the same day. The payment amount was not received from USAID yet; however this payment covers the period from September 6, 2013 to October 21, 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						

8	06-Sep-13	21-Oct-13	599,913.17	\$3,004,870.99	3,604,784.16	29-Oct-13	29-Oct-13	-
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**Table 12.1-JNT-Payment Summary**

The total accrued amount through the end of this reporting period =  
 \$3,897,117.03 - \$3,004,870.99 = \$892,246.04

#### **14. Variation Orders and Variation Orders Request**

VOs No. 008 for new items & final definitive quantities was issued on Oct. 12, 2013 & VO No. 009 for the final definitive quantities was issued on October 29, 2013. No VORs were submitted to the Engineer during the reporting period.

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

#### **15. Operation, Maintenance and Training (Simens & Bermad Training)**

- Siemens training in JNT office on Oct. 02, 2013 was conducted for Electromagnetic flow meters by Simens' representative. During the training, the plan for the one month Testing and Commissioning period was discussed with BV. Unfortunately nobody from PWA/WBWD attended the training.
- Presentation and training for Electromagnetic flow meters by Siemens for WBWD staff in WBWD offices in Ramallah: on Oct. 09 and Oct. 27, 2013 IRD conducted training by Simens' representative for WBWD engineers in Ramallah Office.
- Onsite training for Electromagnetic flow meters by Siemens for WBWD staff: on Oct. 28, 2013 an on-site (hands-on) training was conducted for WBWD's staff. WBWD attendees are Eng. Raed Yacoub, Eng. Riyad Abu Ayyash and Eng. Hussni Sharabati along with JNT site engineers from BV, IRD and Brothers Company. The training covered the software and the configuration of the electromagnetic flow meters installed at JNT chambers.
- Onsite Bermad training for WBWD staff held on Oct.30, 2013.



Photo No.1--JNT: Siemens Training Presentation

Photo Date: 27 Oct 2013



Photo No.2--JNT: Siemens Training Presentation

Photo Date: 27 Oct 2013



Photo No.3--JNT: Siemens Training Presentation

Photo Date: 27 Oct 2013



Photo No.4--JNT: Siemens Training Presentation

Photo Date: 27 Oct 2013



Photo No.1--JNT: Siemens Training on site

Photo Date: 28 Oct 2013



Photo No.2--JNT Siemens Training on site

Photo Date: 28 Oct 2013



Photo No.3--JNT: Siemens Training on site

Photo Date: 28 Oct 2013



Photo No.4--JNT: Siemens Training on site

Photo Date: 28 Oct 2013



Photo No.5--JNT: Siemens Training on site

Photo Date: 28 Oct 2013



Photo No.6--JNT: Siemens Training on site

Photo Date: 28 Oct 2013

- Testing and Commissioning:** During the month of testing & commissioning at JNT and after connecting the existing networks of Al Jabaa, Deir Mousa, Khirbet Aldeir, Kharas and Nuba Hata to the newly installed transmission line (in the respective connection chambers), it appeared that the estimated demand quantities of water for some of the networks needed to be increased due to the existence of several agricultural areas connected to the same existing networks (Al Jabaa, Kherbet Aldeir and Deir Mousa). The issue was resolved in coordination with BV and WBWD through adjusting the flow control valves orifice plates in order to increase the flow rate of water and to avoid water supply interruptions during the peak hours.

As for Al Jabaa connection, another issue was encountered. The pressure at the MEKOROT pipeline connection point was less than estimated which made the pressure drop across the main pressure control valve more than calculated and then what was pre-set on the main pressure control valve. To make sure there is required pressure after the main pressure control valve and to make sure that potable water will reach the farthest consumers, the main control valve has been upgraded with an additional accessories and options as per factory (BERMAD) instruction.

The delivered quantities of the water, for each community for the period between October 14<sup>th</sup> and November 9<sup>th</sup>, 2013 according to the Electro-Magnetic flow meters readings are presented in the table below:

TO No. 2 October 2013, Construction Monthly Progress Report  
International Relief and Development, Inc. (IRC)

Date	MAIN connection chamber m <sup>3</sup> /day	Al Jabaa m <sup>3</sup> /day	Der Mosa m <sup>3</sup> /day	Surif Connection m <sup>3</sup> /day	Kherbet AlDer m <sup>3</sup> /day	Surif Future m <sup>3</sup> /day	Kharas m <sup>3</sup> /day	Nuba main m <sup>3</sup> /day	Nuba + Hata + Beit Aula m <sup>3</sup> /day
14-Oct-13	4432	0.1	115	1132	274	2866	991	1892	1838
15-Oct-13	3742	0.1	139	735	197	2640	750	1898	1821
16-Oct-13	4205	0.2	125	1099	345	2572	770	1815	1755
17-Oct-13	4465	0.2	128	1153	293	2842	1007	1856	1801
18-Oct-13	4419	0.3	125	1002	234	2995	1019	1992	1935
19-Oct-13	4357	0.4	135	979	31	2882	1015	1887	1809
20-Oct-13	4269	1.3	71	836	385	2941	1005	1949	1239
21-Oct-13	4333	2.133	58	958	324	2957	991	1983	1919
22-Oct-13	4412	1.8	70	926	270	3097	995	2121	2066
23-Oct-13	4566	0.71	69	968	319	3153	1021	2159	2097
24-Oct-13	4456	0.13	110	988	360	2958	1003	1986	1919
25-Oct-13	4654	0.14	129	1088	394	3027	1091	2027	1973
26-Oct-13	4613	0.13	109	1153	333	2977	1007	1980	1923
27-Oct-13	4024	0.13	113	725	138	3002	971	2018	1976
28-Oct-13	4252	0.15	69	876	217	3076	862	2261	1997
29-Oct-13	4392	11.2	47	1154	227	2908	841	2060	2102
30-Oct-13	5366	247.8	102	1615	265	3106	890	2226	2252
31-Oct-13	5618	461.3	94	1691	280	3061	919	2157	2157
1-Nov-13	5698	354.3	83	1906	201	3139	980	2179	2181
2-Nov-13	5405	258.2	86	1599	170	3263	931	2358	2366
3-Nov-13	5111	523.7	154	1269	169	2951	986	1983	1998
4-Nov-13	5415	440.5	155	1442	218	3123	974	2165	2187
5-Nov-13	5724	454.4	135	1739	196	3145	929	2237	2256
6-Nov-13	5703	536.2	66	1816	177	3081	905	2173	2184
7-Nov-13	5274	887.6	64	2018	173	2107	1001	1114	1129
8-Nov-13	5428	907.4	38	1722	219	2505	930	1587	1606
9-Nov-13	4508	492	65	1369	219	2378	867	1519	1535

## 16. 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 CD days
4.	Modified Completion Date	October 31, 2013
5.	No. of Working Days during this month (October 2013)	23 Calendar Days
6.	Accumulated Working Days	334 Calendar Days
7.	Total No. of non-working days(Holidays and weekends) during this month (October 2013)	8 Calendar Days
8.	Accumulated non-working days (Holidays and weekends)	65 Calendar Days
9.	No. of other non-working days during this month	None
10.	Accumulated other non-working days	1 Calendar Day

**Table 16.1-JNT-Summary of Working and Non-Working Days**

The following table is Summary of Working and Non-Working Days for each month from NTP up to the project handing over:

Month	Working days	Non-Working days	Reason
September 2012	3	1	Weekend Holiday
October 2012	23	8	3 Weekend Holiday 5 Eid Al Adha
November 2012	25	5	Weekend Holiday
December 2012	27	4	Weekend Holiday
January 2013	27	4	3 Weekend Holiday 1 Weather condition
February 2013	24	4	Weekend Holiday
March 2013	26	5	Weekend Holiday
April 2013	26	4	Weekend Holiday
May 2013	26	5	Weekend Holiday
June 2013	26	4	Weekend Holiday
July 2013	27	4	Weekend Holiday
August 2013	24	7	3 Weekend Holiday 4 Eid AlFiter
September 2013	27	3	Weekend Holiday
October 2013	23	8	Weekend Holiday
<b>Total</b>	<b>334</b>	<b>66</b>	
<b>334+66=400 Calendar Days</b>			

**Table 16.2-JNT-Summary of Working and Non-Working Days**

## 17. Project Indicators

### 17.1. 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 17.1-JNT-Target Value for Project 2**

#### Actual Value for Project 2:

The actual beneficiaries based on the average flow taken during the testing and commissioning period is as follows:

The capacity of the added facility in cubic meters or the volume of water that will be pumped by the new substation.	4,569.9 m <sup>3</sup> /day *from actual daily flow and average flow (actual capacity)
The average consumption rate of Palestinians (per capita) for Hebron and Bethlehem	$(14,629,240+8,150,014)\text{m}^3/365 \text{ day} / (196,053+614,257) \text{ capita} = 0.07702 \text{ m}^3/\text{day}$ *Calculation based on the Palestinian Water Authority, the total quantity of water delivered to Hebron and Bethlehem Governorates is 14,629,240 m <sup>3</sup> and 8,150,014 m <sup>3</sup> for 2011 and no. of population of 196,053 and 614,257
No. of Beneficiaries	$4,569.9/0.07702 = 59,335 \text{ persons}$

**Table 17.2-JNT-Actual Value for Project 2**

### 17.2. 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;
- The following table provides a summary for both IRD and subcontractor man work days and man working hours throughout the duration of the project.

Month / Year	Man-days	Man-hours
Sep-12	9	72
Oct-12	144	1,154
Nov-12	188	1,507
Dec-12	243	1,946
Jan-13	277	2,213
Feb-13	841	6,726
Mar-13	1,177	9,420

Month / Year	Man-days	Man-hours
Apr-13	1,245	9,960
May-13	1,621	12,966
Jun-13	1,359	10,868
Jul-13	836	6,688
Aug-13	472	3,777
Sep-13	725	5,798
Oct-13	296	2,364
<b>Total</b>	<b>9,432</b>	<b>75,459</b>

Employment Indicators Table:

		Site Staff Job Days				
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other
September	2012	4	2	0	0	3
October	2012	64.25	55	11	0	14
November	2012	109.375	46	8	0	25
December	2012	96.25	70	42.25	4.75	30
January	2013	79.75	102.125	60.5	28.25	6
February	2013	91.525	136.505	336.435	276.25	0
March	2013	118.625	162.875	572.875	323.1	0
April	2013	95.25	141.5	702.75	305.5	0
May	2013	97.5	153.75	1016.5	315	38
June	2013	97.5	151	816.25	248.75	45
July	2013	89.25	136.25	508.5	85	17.25
August	2013	70	77	274.625	23	27.5
September	2013	81.75	77.25	513	43	9.75
October	2013	77.25	44.25	172	0	2
<b>Total Man Days= 9,432 Man-Days</b>						

❖ The total “man-days” is equal to the total hours for each category divided by 8 (regular working hours is 8 hours per day)

### 18. 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

## **19. Non Compliance Notices**

None.

**20. Construction Photos**

		
<p><b>Photo No.1-JNT:</b> Checking valves during water running.</p> <p><b>Photo Date:</b> 05 October 2013</p>	<p><b>Photo No.2-JNT:</b> Connect to the existing network at Nuba main connection chamber.</p> <p><b>Photo Date:</b> 06 October 2013</p>	<p><b>Photo No.3-JNT:</b> Installation of the marker post.</p> <p><b>Photo Date:</b> 07 October 2013</p>
		
<p><b>Photo No.4-JNT:</b> Taking asphalt core test samples by building center representatives.</p> <p><b>Photo Date:</b> 10 October 2013</p>	<p><b>Photo No.5-JNT:</b> Measuring thickness of asphalt core sample using caliber by building center representatives.</p> <p><b>Photo Date:</b> 10 October 2013</p>	<p><b>Photo No.6-JNT:</b> Connect to the existing Nuba and Hata network at St. (11+250)</p> <p><b>Photo Date:</b> 13 October 2013</p>

## **21. 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 Schedules – Roll-Up**

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

## AS-BUILT CPM SCHEDULE

31-October-2013

Activity ID	Activity Name	Original Duration	Actual Duration	Budgeted Total Cost	Actual Total Cost	Actual Start	Actual Finish	Total Float	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>		311	305	\$3,897,117.03	\$3,897,117.03	27-Sep-12	31-Oct-13		31-Oct-13 A, Total																	
<b>AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission Pipe</b>		311	305	\$3,897,117.03	\$3,897,117.03	27-Sep-12	31-Oct-13		31-Oct-13 A, AID-294-TO-12-00002 - Al Jaba' Nuba Main Transmission Pipe																	
<b>Milestones</b>		306	305	\$0.00	\$0.00	27-Sep-12	31-Oct-13		31-Oct-13 A, Milestones																	
<b>General Milestones</b>		306	305	\$0.00	\$0.00	27-Sep-12	31-Oct-13		31-Oct-13 A, General Milestones																	
<b>Intermediate Milestones</b>		241	239	\$0.00	\$0.00	11-Nov-12	18-Sep-13		18-Sep-13 A, Intermediate Milestones																	
<b>Mobilization</b>		3	8	\$127,174.35	\$127,174.35	01-Nov-12	11-Nov-12		11-Nov-12 A, Mobilization																	
<b>Submittals</b>		292	302	\$0.00	\$0.00	01-Oct-12	31-Oct-13		31-Oct-13 A, Submittals																	
<b>Pre Construction Submittals</b>		105	105	\$0.00	\$0.00	01-Oct-12	26-Feb-13		26-Feb-13 A, Pre Construction Submittals																	
<b>Construction Submittals</b>		224	235	\$0.00	\$0.00	01-Oct-12	05-Aug-13		05-Aug-13 A, Construction Submittals																	
<b>General Requirements</b>		208	190	\$0.00	\$0.00	01-Nov-12	03-Jul-13		03-Jul-13 A, General Requirements																	
<b>Material Submittal &amp; Approval</b>		137	136	\$0.00	\$0.00	01-Oct-12	03-Apr-13		03-Apr-13 A, Material Submittal & Approval																	
<b>Structural/Civil Material Submittal &amp; Approval</b>		137	136	\$0.00	\$0.00	01-Oct-12	03-Apr-13		03-Apr-13 A, Structural/Civil Material Submittal & Approval																	
<b>Mechanical Material Submittal &amp; Approval</b>		69	118	\$0.00	\$0.00	21-Oct-12	02-Apr-13		02-Apr-13 A, Mechanical Material Submittal & Approval																	
<b>Shop Drawings Submittal &amp; Approval</b>		184	212	\$0.00	\$0.00	01-Nov-12	05-Aug-13		05-Aug-13 A, Shop Drawings Submittal & Approval																	
<b>Structural / Civil Shop Drawings Submittal &amp; Approval</b>		184	180	\$0.00	\$0.00	10-Dec-12	05-Aug-13		05-Aug-13 A, Structural / Civil Shop Drawings Submittal & Approval																	
<b>Mechanical Shop Drawing Submittal &amp; Approval</b>		128	113	\$0.00	\$0.00	01-Nov-12	03-Apr-13		03-Apr-13 A, Mechanical Shop Drawing Submittal & Approval																	
<b>Post Construction Submittals</b>		11	21	\$0.00	\$0.00	02-Oct-13	31-Oct-13		31-Oct-13 A, Post Construction Submittals																	
<b>Procurement</b>		198	216	\$1,245,065.80	\$1,245,065.80	12-Nov-12	25-Aug-13		25-Aug-13 A, Procurement																	
<b>Construction Material &amp; Equipments</b>		30	30	\$0.00	\$0.00	07-Feb-13	16-Mar-13		16-Mar-13 A, Construction Material & Equipments																	
<b>Steel Pipes, Fittings &amp; Valves</b>		198	216	\$1,245,065.80	\$1,245,065.80	12-Nov-12	25-Aug-13		25-Aug-13 A, Steel Pipes, Fittings & Valves																	
<b>Material Order &amp; Manufacture</b>		157	157	\$0.00	\$0.00	12-Nov-12	04-Jun-13		04-Jun-13 A, Material Order & Manufacture																	
<b>Material Delivery</b>		165	183	\$1,245,065.80	\$1,245,065.80	24-Dec-12	25-Aug-13		25-Aug-13 A, Material Delivery																	
<b>Execution Phase</b>		223	217	\$2,493,083.29	\$2,493,083.29	26-Jan-13	31-Oct-13		31-Oct-13 A, Execution Phase																	
<b>Preparing Detours &amp; Apply Traffic Control Plan</b>		5	1	\$0.00	\$0.00	26-Jan-13	27-Jan-13		27-Jan-13 A, Preparing Detours & Apply Traffic Control Plan																	
<b>SEG.NO.1 Trans. Main (St. 7+600 to St. 8+900)DN 250MM</b>		147	159	\$89,749.67	\$89,749.67	27-Jan-13	21-Aug-13		21-Aug-13 A, SEG.NO.1 Trans. Main (St. 7+600 to St. 8+900)DN 250MM																	
<b>Pipe Line Installation</b>		79	9	\$71,560.07	\$71,560.07	27-Jan-13	12-Feb-13		12-Feb-13 A, Pipe Line Installation																	
<b>Chamber Works</b>		122	129	\$0.00	\$0.00	11-Mar-13	21-Aug-13		21-Aug-13 A, Chamber Works																	
<b>Structural &amp; Civil Works</b>		10	21	\$0.00	\$0.00	11-Mar-13	04-Apr-13		04-Apr-13 A, Structural & Civil Works																	
<b>Mechanical &amp; Finishing Works</b>		5	0	\$0.00	\$0.00	21-Aug-13	21-Aug-13		21-Aug-13 A, Mechanical & Finishing Works																	
<b>Testing &amp; Road Reinstatement Works</b>		121	127	\$18,189.60	\$18,189.60	16-Feb-13	22-Jul-13		22-Jul-13 A, Testing & Road Reinstatement Works																	
<b>SEG.NO.2 Trans. Main (St. 6+817 to St. 7+600)DN 250MM</b>		158	158	\$82,666.98	\$82,666.98	13-Feb-13	31-Aug-13		31-Aug-13 A, SEG.NO.2 Trans. Main (St. 6+817 to St. 7+600)DN 250MM																	
<b>Pipe Line Installation</b>		51	6	\$42,786.31	\$42,786.31	13-Feb-13	23-Feb-13		23-Feb-13 A, Pipe Line Installation																	
<b>Chamber Works</b>		75	89	\$28,924.94	\$28,924.94	08-May-13	31-Aug-13		31-Aug-13 A, Chamber Works																	
<b>Structural &amp; Civil Works</b>		15	15	\$13,894.36	\$13,894.36	08-May-13	26-May-13		26-May-13 A, Structural & Civil Works																	
<b>Mechanical &amp; Finishing Works</b>		5	5	\$15,030.58	\$15,030.58	26-Aug-13	31-Aug-13		31-Aug-13 A, Mechanical & Finishing Works																	
<b>Testing &amp; Road Reinstatement Works</b>		13	124	\$10,955.74	\$10,955.74	21-Feb-13	22-Jul-13		22-Jul-13 A, Testing & Road Reinstatement Works																	
<b>SEG.NO.3 Trans. Main (St. 2+200 to St. 2+688)DN 300,3"-350&amp;4"-136</b>		108	150	\$163,084.15	\$163,084.15	25-Feb-13	31-Aug-13		31-Aug-13 A, SEG.NO.3 Trans. Main (St. 2+200 to St. 2+688)DN 300,3"-350&4"-136																	
<b>Pipe Line Installation</b>		13	7	\$69,860.58	\$69,860.58	25-Feb-13	05-Mar-13		05-Mar-13 A, Pipe Line Installation																	
<b>Chamber Works</b>		77	102	\$85,593.20	\$85,593.20	22-Apr-13	31-Aug-13		31-Aug-13 A, Chamber Works																	
<b>Structural &amp; Civil Works</b>		38	67	\$41,884.34	\$41,884.34	22-Apr-13	13-Jul-13		13-Jul-13 A, Structural & Civil Works																	
<b>Mechanical &amp; Finishing Works</b>		35	6	\$43,708.86	\$43,708.86	25-Aug-13	31-Aug-13		31-Aug-13 A, Mechanical & Finishing Works																	
<b>Testing &amp; Road Reinstatement Works</b>		20	98	\$7,630.37	\$7,630.37	20-Mar-13	17-Jul-13		17-Jul-13 A, Testing & Road Reinstatement Works																	
<b>SEG.NO.4 Trans. Main (St. 1+000 to St. 2+200)DN 300MM,3"-380&amp;170</b>		141	141	\$171,685.45	\$171,685.45	07-Mar-13	31-Aug-13		31-Aug-13 A, SEG.NO.4 Trans. Main (St. 1+000 to St. 2+200)DN 300MM,3"-380&170																	
<b>Pipe Line Installation</b>		16	10	\$108,666.86	\$108,666.86	07-Mar-13	19-Mar-13		19-Mar-13 A, Pipe Line Installation																	
<b>Chamber Works</b>		109	134	\$52,959.88	\$52,959.88	16-Mar-13	31-Aug-13		31-Aug-13 A, Chamber Works																	
<b>Structural &amp; Civil Works</b>		77	99	\$20,808.09	\$20,808.09	16-Mar-13	13-Jul-13		13-Jul-13 A, Structural & Civil Works																	
<b>Mechanical &amp; Finishing Works</b>		42	7	\$32,151.79	\$32,151.79	24-Aug-13	31-Aug-13		31-Aug-13 A, Mechanical & Finishing Works																	
<b>Testing &amp; Road Reinstatement Works</b>		10	94	\$10,058.71	\$10,058.71	25-Mar-13	17-Jul-13		17-Jul-13 A, Testing & Road Reinstatement Works																	
<b>SEG.NO.5 Trans. Main (St. 0+004.62 to St. 1+000)DN 300MM,2"-276</b>		136	136	\$236,085.98	\$236,085.98	19-Mar-13	05-Sep-13		05-Sep-13 A, SEG.NO.5 Trans. Main (St. 0+004.62 to St. 1+000)DN 300MM,2"-276																	

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



Date	Revision	Checked	Approved
31-Oct-13	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.Iv...	Naim Mani-Prog Direc...

Activity ID	Activity Name	Original Duration	Actual Duration	Budgeted Total Cost	Actual Total Cost	Actual Start	Actual Finish	Total Float	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>Pipe Line Installation</b>	18	18	\$56,503.32	\$56,503.32	19-Mar-13	08-Apr-13																		
	<b>Chamber Works</b>	118	123	\$178,502.66	\$178,502.66	03-Apr-13	05-Sep-13																		
	<b>Structural &amp; Civil Works</b>	84	83	\$60,935.84	\$60,935.84	03-Apr-13	13-Jul-13																		
	<b>Mechanical &amp; Finishing Works</b>	40	12	\$117,566.82	\$117,566.82	24-Aug-13	05-Sep-13																		
	<b>Testing,Commissioning &amp; Final Road Reinstatement Works</b>	7	2	\$1,080.00	\$1,080.00	15-Jul-13	17-Jul-13																		
	<b>SEG.NO.6 Trans. Main (St. 2+688 to St. 4+243)DN 250MM</b>	128	130	\$206,075.32	\$206,075.32	01-Apr-13	11-Sep-13																		
	<b>Pipe Line Installation</b>	25	9	\$88,432.23	\$88,432.23	09-Apr-13	19-Apr-13																		
	<b>Chamber Works</b>	111	111	\$95,885.53	\$95,885.53	23-Apr-13	11-Sep-13																		
	<b>Structural &amp; Civil Works</b>	36	30	\$45,272.49	\$45,272.49	23-Apr-13	29-May-13																		
	<b>Mechanical &amp; Finishing Works</b>	33	20	\$50,613.04	\$50,613.04	20-Aug-13	11-Sep-13																		
	<b>Testing &amp; Road Reinstatement Works</b>	31	88	\$21,757.56	\$21,757.56	01-Apr-13	17-Jul-13																		
	<b>SEG.NO.7 Trans. Main (St. 6+817 to St. 5+024)DN 250MM</b>	101	93	\$145,717.63	\$145,717.63	22-Apr-13	21-Aug-13																		
	<b>Pipe Line Installation</b>	12	12	\$95,803.96	\$95,803.96	23-Apr-13	07-May-13																		
	<b>Chamber Works</b>	89	80	\$24,826.02	\$24,826.02	08-May-13	21-Aug-13																		
	<b>Structural &amp; Civil Works</b>	18	16	\$13,555.77	\$13,555.77	08-May-13	27-May-13																		
	<b>Mechanical &amp; Finishing Works</b>	23	1	\$11,270.25	\$11,270.25	20-Aug-13	21-Aug-13																		
	<b>Testing &amp; Road Reinstatement Works</b>	23	73	\$25,087.66	\$25,087.66	22-Apr-13	22-Jul-13																		
	<b>SEG.NO.8 Trans. Main (St. 4+243 to St. 5+024)DN 250MM</b>	93	62	\$52,652.70	\$52,652.70	06-May-13	22-Jul-13																		
	<b>Pipe Line Installation</b>	12	8	\$41,724.95	\$41,724.95	08-May-13	18-May-13																		
	<b>Testing &amp; Road Reinstatement Works</b>	32	62	\$10,927.75	\$10,927.75	06-May-13	22-Jul-13																		
	<b>SEG.NO.9 Trans. Main (St. 8+900 to St. 10+060)DN 250MM,2"-50&amp;4"800</b>	89	81	\$243,048.13	\$243,048.13	18-May-13	31-Aug-13																		
	<b>Pipe Line Installation</b>	17	16	\$106,539.07	\$106,539.07	18-May-13	05-Jun-13																		
	<b>Chamber Works</b>	48	71	\$120,278.34	\$120,278.34	29-May-13	31-Aug-13																		
	<b>Structural &amp; Civil Works</b>	26	41	\$41,017.52	\$41,017.52	29-May-13	19-Jul-13																		
	<b>Mechanical &amp; Finishing Works</b>	42	37	\$79,260.82	\$79,260.82	09-Jul-13	31-Aug-13																		
	<b>Testing &amp; Road Reinstatement Works</b>	10	26	\$16,230.72	\$16,230.72	18-Jun-13	22-Jul-13																		
	<b>SEG.NO.10 Trans. Main (St. 10+060 to St. 10+740)DN 250MM,4"-240&amp;3</b>	91	89	\$371,009.86	\$371,009.86	27-May-13	18-Sep-13																		
	<b>Pipe Line Installation</b>	15	11	\$43,386.09	\$43,386.09	05-Jun-13	19-Jun-13																		
	<b>Chamber Works</b>	48	73	\$124,001.43	\$124,001.43	27-May-13	31-Aug-13																		
	<b>Structural &amp; Civil Works</b>	25	43	\$60,516.94	\$60,516.94	27-May-13	19-Jul-13																		
	<b>Mechanical &amp; Finishing Works</b>	25	25	\$63,484.49	\$63,484.49	27-Jul-13	31-Aug-13																		
	<b>Testing &amp; Road Reinstatement Works</b>	30	59	\$203,622.34	\$203,622.34	02-Jul-13	18-Sep-13																		
	<b>Fully Functional Flow Monitoring Hardware&amp;Software</b>	27	20	\$90,180.97	\$90,180.97	01-Sep-13	24-Sep-13																		
	<b>Surif Al Jaba' Road Reinstatement (St.0+300 to St.1+500)</b>	27	27	\$206,119.30	\$206,119.30	03-Jul-13	14-Aug-13																		
	<b>Excavation &amp; Earth Work</b>	7	7	\$9,850.05	\$9,850.05	03-Jul-13	11-Jul-13																		
	<b>Base Course Works</b>	15	15	\$56,596.09	\$56,596.09	13-Jul-13	04-Aug-13																		
	<b>Asphalt Works</b>	5	5	\$139,673.16	\$139,673.16	04-Aug-13	14-Aug-13																		
	<b>Asphalt Reinstatement and Safety Measures</b>	37	37	\$310,844.34	\$310,844.34	21-Jul-13	09-Sep-13																		
	<b>Training</b>	2	2	\$2,137.85	\$2,137.85	26-Oct-13	28-Oct-13																		
	<b>Testing,Commissioning&amp;Start Up</b>	38	32	\$2,137.85	\$2,137.85	19-Sep-13	31-Oct-13																		
	<b>VO.8</b>	5	48	\$119,887.12	\$119,887.12	26-Jul-13	26-Sep-13																		
	<b>Demobilization,Close Out&amp;Handing Over</b>	12	27	\$31,793.59	\$31,793.59	25-Sep-13	31-Oct-13																		

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



Date	Revision	Checked	Approved
31-Oct-13	Sr.Planning Eng.M. AbuSha...	CM/Deputy Prog.-lv...	Naim Mani-Prog Direc...

## JNT 20.2 “S” Curves



INTERNATIONAL RELIEF AND DEVELOPMENT, IRD

USAID-INFRASTRUCTURE NEEDS PROGRAM (INP)

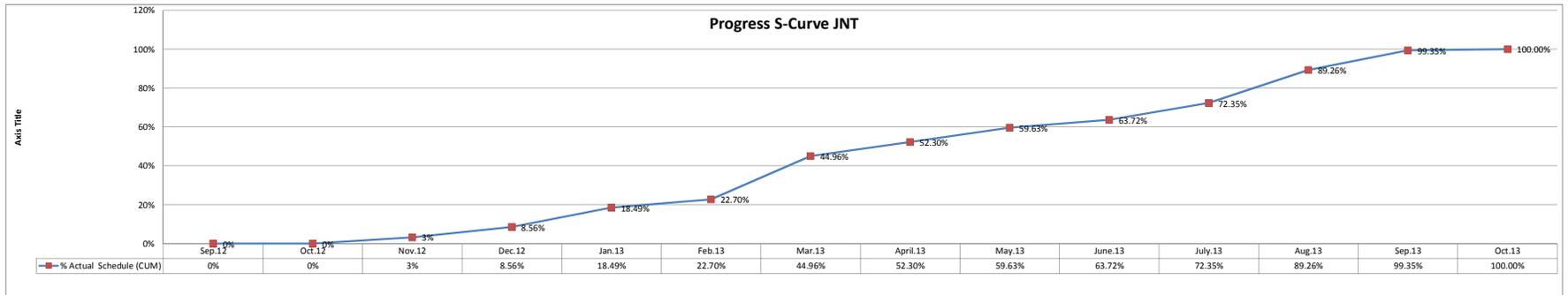
TO\_No.2  
USAID Order # 294-TO-12-00002

Al Jaba - Main Transmission Pipeline

		USD
Total Contract Value Less Day Work:		\$3,338,326.60
Revised Contract Value Less Day Work:		\$3,447,970.60
Revised Contract Value Less Day Work:	VO5	\$3,596,396.22
Revised Contract Value Less Day Work:	VO6	\$3,681,622.71
Revised Contract Value Less Day Work:	VO7	\$3,857,825.37
Revised Contract Value Less Day Work:	VO8,9	\$3,897,117.03
NTP (Notice to Proceed)		27-Sep-12
Duration of Contract:		360 Calendar Days
Duration of Contract:		400 Calendar Days
Completion Date:		21-Sep-13
Revised Completion Date:		31-Oct-13
Data Date:		31-Oct-13

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	TOTAL
Actual Schedule Value	\$0.00	\$0.00	\$127,174.35	\$206,243.02	\$387,139.68	\$163,996.40	\$867,411.49	\$286,189.04	\$285,782.16	\$159,396.67	\$336,228.48	\$659,032.12	\$393,052.19	\$25,471.43	\$3,897,117.03
Actual Schedule Value (CUM)	\$0.00	\$0.00	\$127,174.35	\$333,417.37	\$720,557.05	\$884,553.45	\$1,751,964.94	\$2,038,153.98	\$2,323,936.14	\$2,483,332.81	\$2,819,561.29	\$3,478,593.41	\$3,871,645.60	\$3,897,117.03	\$3,897,117.03
% Actual Schedule	0%	0%	3%	8.56%	18.49%	22.70%	44.96%	52.30%	59.63%	63.72%	72.35%	89.26%	99.35%	100.00%	100.00%
% Actual Schedule (CUM)	0%	0%	3%	8.56%	18.49%	22.70%	44.96%	52.30%	59.63%	63.72%	72.35%	89.26%	99.35%	100.00%	100.00%



## **JNT 20.3 Site Memos Log**

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

<b>Task Order:</b>	AID - 294 - TO - 12 - 00003		
<b>Project:</b>	Al Jaba' Nuba Main Transmission Pipeline Project		
<b>Number</b>	<b>Description/Subject</b>	<b>Date Received</b>	<b>Comments</b>
There Were No Site Memorandums During Monthly Reporting Period - From September 27 until October ' %q2013.			

## **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

No.	Request Date	Date Inspection Required	1st Inspection		2nd Inspection		Grade
			Description of Works Inspected	Response Date	Grade	Response Date	
IR-02-JNT-294-A	10-Oct-13	10-Oct-13	Inspecting the conduct of core test by building center representatives through Al-Jab'a road and through the overlay of the entire road between St. (01+500) to St. (10+700).	10-Oct-13	Make correctiong noted		

## JNT 20.5 Submittals Log

**Submittal Register Log/Schedule**

Task Order:		JNT-02														NTP:		27-Sep-12	
Project :		Al-Jab'a Nuba Main Transmission Pipeline Project																	
Submittal Categories		Submittal Classification			Identifiers:			Resubmittal Alpha Identifier					Submittal Disposition / Color Coding						
PD	PRODUCT DATA	PCS	Preconstruction	WJN	: Task Order No 02 Identifier			First Submittal SUB-02-JNT-001-A					A - No Exceptions Noted						
SD	SHOP DRAWINGS	CONS	Construction	W17	: Project 1 Identifier			First RE-Submittal SUB-02-JNT-001-B					B - Make Corrections Noted						
AD	ADMINISTRATIVE/OTHER	PSTS	Post construction	JNT	: Project 2 Identifier			Second Resubmittal SUB-02-JNT-001-C					C - Amend and Resubmit						
TR	TEST REPORT																		
SCH	SCHEDULE																		
RPT	REPORT																		
SMP	SAMPLE																		
CO	COMPLETION & CLOSEOUT																		
MAT	MATERIAL																		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Submittal Number	Submittal Description	Specification Number	Submittal Category	Submittal Classification	Submittal Type	Project Identifier	Schedule Activity ID	BOQ Item No.	Rev.	Contractual Submission Date	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-237-A	Testing for Bermad Certificates		PD	CONS	SUB	JNT			A			28-Sep-13		28-Oct-13	3-Oct-13	5	B		
SUB-02-JNT-238-A	As built drawings for transmission pipeline from St.(00+000) to St.(10+7040		PD	CONS	SUB	JNT			A			1-Oct-13		31-Oct-13	21-Oct-13	20	A		
SUB-02-JNT-239-A	As built drawings for Al-Jaba and Kharas roads		PD	CONS	SUB	JNT			A			22-Oct-13		21-Nov-13	29-Oct-13				
SUB-02-JNT-240-A	As built drawings for Mechanical chambers		PD	CONS	SUB	JNT			A			8-Oct-13		7-Nov-13	10-Oct-13	2	A		
SUB-02-JNT-241-A	Civil as built drawings for butterfly valve and combination air valve chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-242-A	Civil as built drawings for ARV, GV and WO chambers.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-243-A	Civil as built drawings for 50 mm ARV , 50 mm WO and 50 mm & 100 mm GV chambers.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-244-A	Civil as built drawings For GC-2 flow monitoring chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-245-A	Civil as built drawings for GC-3 Al-Jab'a connection chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-246-A	Civil as built drawings For GC-4 Kherbet Ad-Deir connection chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-247-A	Civil as built drawings For GC-5 Kharas connection chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-248-A	Civil As Built Drawings For GC-6 Nuba and Hata Connection Chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-249-A	Civil as built drawings for GC-8 Surif connection chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-250-A	Civil As Built Drawings For GC-9 Surif Future Connection Chamber.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-251-A	Civil as built drawings For GC-10 Nuba main connection chamber With 12" DIP.		PD	CONS	SUB	JNT			A			9-Oct-13		8-Nov-13	21-Oct-13	12	A		
SUB-02-JNT-252-A	Operation and maintenance manual		PD	CONS	SUB	JNT			A			28-Oct-13		27-Nov-13					
SUB-02-JNT-253-A	JNT As Built Schedule		PD	CONS	SUB	JNT			A			3-Nov-13		3-Dec-13					

## **JNT 20.6 Requests for Information Log**

Task Order: AID - 294 - TO - 12 - 00002  
Project: 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 Requests For Information Submitted From Contractor To The Engineers During Monthly Reporting Period-From September 27 until October ' %2013.

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

VOR no.	Date	Revision Date	Time Modification	Modification Cost (\$)	Reference			Subject	Status	VO no.
					Shop Drawings/ Submittal/ Specifications	BOQ Item no.	RFI/ Other			

**There were no VORs issued during the reporting period**

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						
TO-02-WJN-VO-008	13-Oct-13	Signed	New items & Final definitive quantities	16-Oct-13	\$11,617,634.05	\$450,764.66	\$12,068,398.71	\$11,725,188.99	\$343,209.72	\$12,068,398.71	\$11,804,080.64	\$264,318.07	\$12,068,398.71	\$78,891.65	550	0	0	30-Mar-14	30-Mar-14
															360	40	0	21-Sep-13	31-Oct-13
TO-02-WJN-VO-009	30-Oct-13	Signed	Final definitive quantities	30-Oct-13	\$11,617,634.05	\$450,764.66	\$12,068,398.71	\$11,804,080.64	\$264,318.07	\$12,068,398.71	\$11,764,480.64	\$303,918.07	\$12,068,398.71	(\$39,600.00)	550	0	0	30-Mar-14	30-Mar-14
															360	40	0	21-Sep-13	31-Oct-13

## **JNT 20.8 Employment Generated Data**

USAID WEST BANK/ GAZA  
 INFRASTRUCTURE NEEDS PROGRAM  
 TASK ORDER NO: 02

**Jaba' Nuba Main Transmission Pipeline and Well #17 Pump Station and Conveyance System**

Temporaray Job Days Report							
Sub-project Name: <b>a Main Transmission Pipeline</b>							
CONTRACTOR: <b>IRD</b>							
SUBCONTRACTOR(s):							
DATE	Site Staff Job Days						Man-Days Subtotal
	Management	Engineers	Skilled labor	Unskilled labor	Land & Quantity Surveyor	Other	
September 1, 2013							0
September 2, 2013							0
September 3, 2013							0
September 4, 2013							0
September 5, 2013							0
September 6, 2013							0
September 7, 2013							0
September 8, 2013							0
September 9, 2013							0
September 10, 2013							0
September 11, 2013							0
September 12, 2013							0
September 13, 2013							0
September 14, 2013							0
September 15, 2013							0
September 16, 2013							0
September 17, 2013							0
September 18, 2013							0
September 19, 2013							0
September 20, 2013							0
September 21, 2013							0
September 22, 2013							0
September 23, 2013							0
September 24, 2013							0
September 25, 2013							0
September 26, 2013							0
September 27, 2013							0
September 28, 2013	3.75	3.75	10			1.25	18.75
September 29, 2013	3.75	3.75	12.5				20
September 30, 2013	3.75	3.75	8.5			2.5	18.5
<b>Total of Month</b>	<b>11.25</b>	<b>11.25</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>3.75</b>	<b>57.25</b>

**USAID WEST BANK/ GAZA  
INFRASTRUCTURE NEEDS PROGRAM  
TASK ORDER NO: 02**

**Jaba' Nuba Main Transmission Pipeline and Well #17 Pump Station and Conveyance System**

Temporay Job Days Report							
Sub-project Name:		a Main Transmission Pipeline					
CONTRACTOR:		IRD					
SUBCONTRACTOR(s):							
DATE	Site Staff Job Days						Man-Days Subtotal
	Management	Engineers	Skilled labor	Unskilled labor	Land & Quantity Surveyor	Other	
October 1, 2013	3.75	3.75	10				17.5
October 2, 2013	3.75	3.75	10				17.5
October 3, 2013	3.75	3.75	7.5				15
October 4, 2013							0
October 5, 2013	3.75	2.5	10				16.25
October 6, 2013	3.75	2.5	11.25				17.5
October 7, 2013	3.75	2.5	11.25				17.5
October 8, 2013	3.75	2.5	10				16.25
October 9, 2013	3.75	2.5	10				16.25
October 10, 2013	3.75	2.5	10				16.25
October 11, 2013							0
October 12, 2013	3.75	2.5	8.75				15
October 13, 2013	3.75	2.5	11.25				17.5
October 14, 2013							0
October 15, 2013							0
October 16, 2013							0
October 17, 2013							0
October 18, 2013							0
October 19, 2013	3	1	6				10
October 20, 2013	3	1	6				10
October 21, 2013	3	1	6				10
October 22, 2013	3	1	6				10
October 23, 2013	3	1	6				10
October 24, 2013	3	1	6				10
October 25, 2013							0
October 26, 2013	3	1	4				8
October 27, 2013	3	1	4			0.5	8.5
October 28, 2013	3	1	4			0.75	8.75
October 29, 2013	3	1	6				10
October 30, 2013	3	1	4			0.75	8.75
October 31, 2013	3	2	4				9
<b>Total of Month</b>	<b>77.25</b>	<b>44.25</b>	<b>172</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>295.5</b>

\* This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

**USAID WEST BANK/ GAZA  
INFRASTRUCTURE NEEDS PROGRAM**

**TASK ORDER NO: 02**

**Jaba' Nuba Main Transmission Pipeline and Well #17 Pump Station and Conveyance System**

Temporray Job Days Summary Report									
Task Order Name: <a href="#">Jaba' Nuba Main Transmission Pipeline and Well #17 Pump Station and Conveyance System</a>						PERIOD FROM:			
Sub-project or Activity Name: <a href="#">Jaba' Nuba Main Transmission Pipeline</a>						PERIOD TO:			
CONTRACTOR: <a href="#">IRD</a>									
Date		Site Staff Job Days					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
September	2011								
October	2011						0	0	
November	2011						0	0	
December	2011						0	0	
January	2012						0	0	
February	2012						0	0	
March	2012						0	0	
April	2012						0	0	
May	2012						0	0	
June	2012						0	0	
July	2012						0	0	
August	2012						0	0	
September	2012	4	2	0	0	3	9	0	
Total of FY 2012							9	0.378151261	
October	2012	64	55	11	0	14	144	6	
November	2012	109	46	8	0	25	188	8	
December	2012	96	70	42	5	30	243	10	
January	2013	80	102	61	28	6	277	12	
February	2013	92	137	336	276	0	841	35	
March	2013	119	163	573	323	0	1177	49	
April	2013	95	142	703	306	0	1245	52	
May	2013	98	154	1017	315	38	1621	68	
June	2013	98	151	816	249	45	1359	57	
July	2013	89	136	509	85	17	836	35	
August	2013	70	77	275	23	28	472	20	
September	2013	82	77	513	43	10	725	30	
Total of FY 2013							9128	383.5216387	
October	2013	77	44	172	0	2	296	12	
November	2013						0	0	
December	2013						0	0	
January	2014						0	0	
February	2014						0	0	
March	2014						0	0	
April	2014						0	0	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							296	12.41596639	
October	2014						0	0	
November	2014						0	0	
December	2014						0	0	
January	2015						0	0	
February	2015						0	0	
March	2015						0	0	
April	2015						0	0	
May	2015						0	0	
June	2015						0	0	
July	2015						0	0	
August	2015						0	0	
September	2015						0	0	
Total of FY 2015							0	0	