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WEST BANK/GAZA

Local Construction Program (LCP)

Task Order No.: AID-294-TO-14-00002

Contract No.: AID-294-I-13-00002

**RAS AL TAWIL & AL 'UDDEISA WATER
INFRASTRUCTURE PHASE 1A ANDAL SAFI BOOSTER
STATION – PHASE I PIPELINE CONNECTION**

MONTHLY PROGRESS REPORT

From February 01, 2015 to February 28, 2015

**Prepared By:
SAQQA AND KHOUDARY CO. LTD.**

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List of Abbreviations

ACOTR	Alternate Contracting Officer Technical Representative
CD	Calendar Day
CE	Chief Engineer
CEng	Contracts Engineer
CMC	Construction Management Contractor
CO	Contracting Officer
COB	Close of Business
COP	Chief of Party
COR	Contracting Officer Representative
CQC	Contractor Quality Control
CQCP	Contractor Quality Control Program
CRMP	Construction Risk Management Plan
CV	Curriculum Vita
DCL	District Civil Liaison
FO	Field Order
IQC	Indefinite Quantities Contract
MRR	Material Receiving Report
NCN	Non Compliance Notice
NUC	Notice of Unsafe Conditions
O&M	Operation and Maintenance
OSHA	Occupational Safety and Health Act (both Federal and State)
PA	Palestinian Authority
PCO	Project Control Officer
PIO	Public Information Officer
PM	Project Manager
PSU	Program Support Unit
PWA	Palestinian Water Authority
QA	Quality Assurance
QC	Quality Control
RE	Resident Engineers
RFI	Request For Information
RFTOP	Request for Task Order Proposal
SAK	Saqqa and Khoudary General Contracting co.
TO	Task Order
TOL	Task Order Leader
TOM	Task Order Manager
SOP	Standard Operating Procedure
USAID	United State Agency for International Development
VO	Variation Order
VOR	Variation Order Request
WBG	West Bank Gaza
WBWD	West Bank Water Department



1. Task Order Overview:

1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Water Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects. This project is the first water project under Local Construction Program (LCP).

1.2. Project Objective

The objective of this task order is to improve water supply distribution capacity and flexibility in the West Bank Water Department's (WBWD) southern area of operations. Specifically the project will improve distribution of water from the Halhul Reservoir and improve supply to Bani Naim and Yatta communities.

1.3. Statement Of Work

- Installation of approximately 5 km of 500-mm diameter steel pipe transmission main from Halhul connection to Bani Naim connection along the Bani Naim – Sair – Al-'Uddeisa Road.
- Installation of approximately 5 km of 150-mm diameter steel pipe supply pipeline.
- Installation of related accessories including a service connection to Bani Naim Reservoir and three flow meter vaults.
- Installation of emergency service connections at Ras Al Tawil & Al 'Uddeisa villages.
- A 16-inch yard-pipe connection from an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
- Installation of related accessories at the Al Safi Booster Station including valves, and minor electrical/SCADA improvements.



1.4. Overview Map

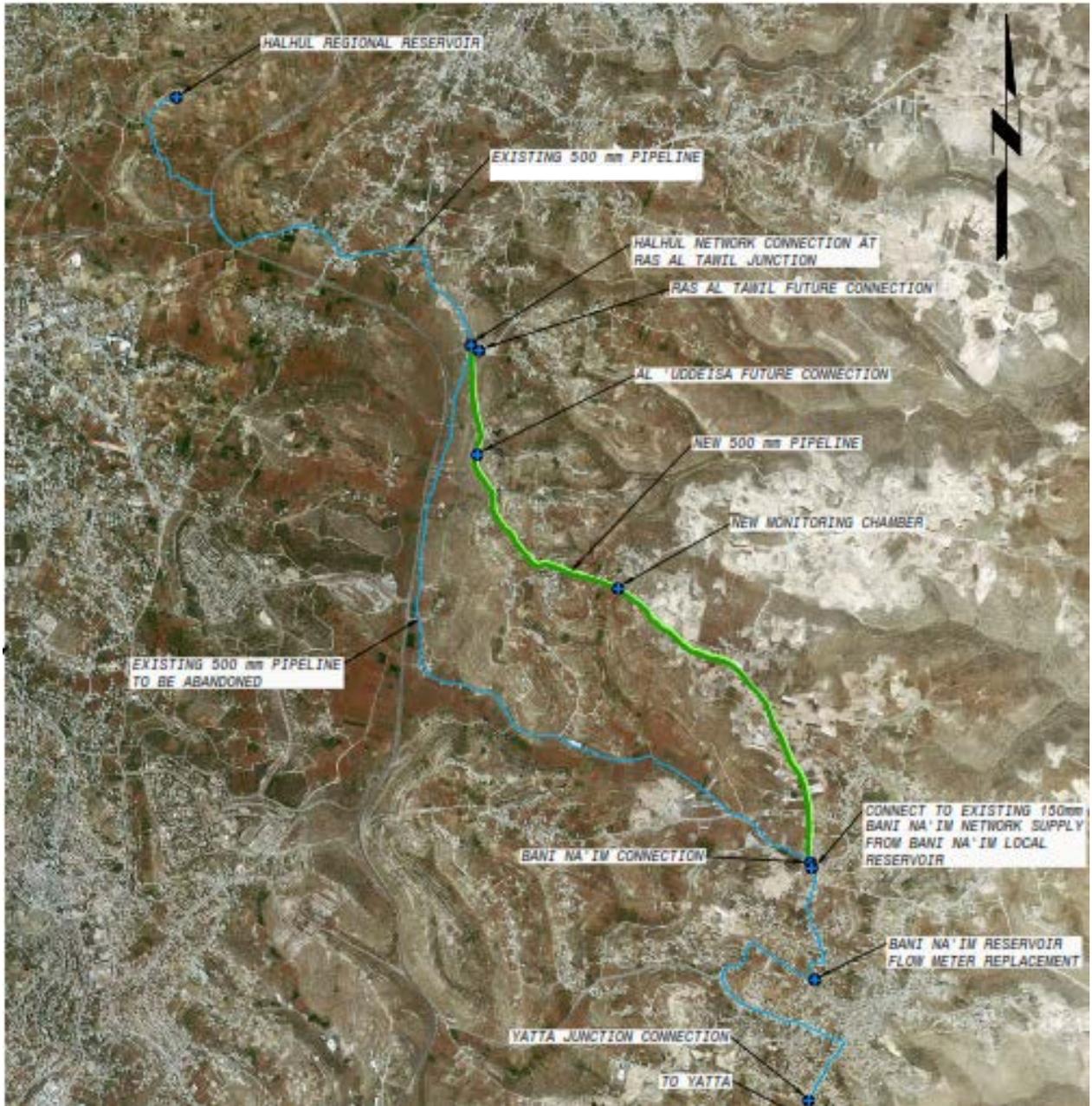


Figure 1: RAS AL TAWIL & AL 'UDEISA WATER INFRASTRUCTURE PHASE 1A



2. Task Order Key Data

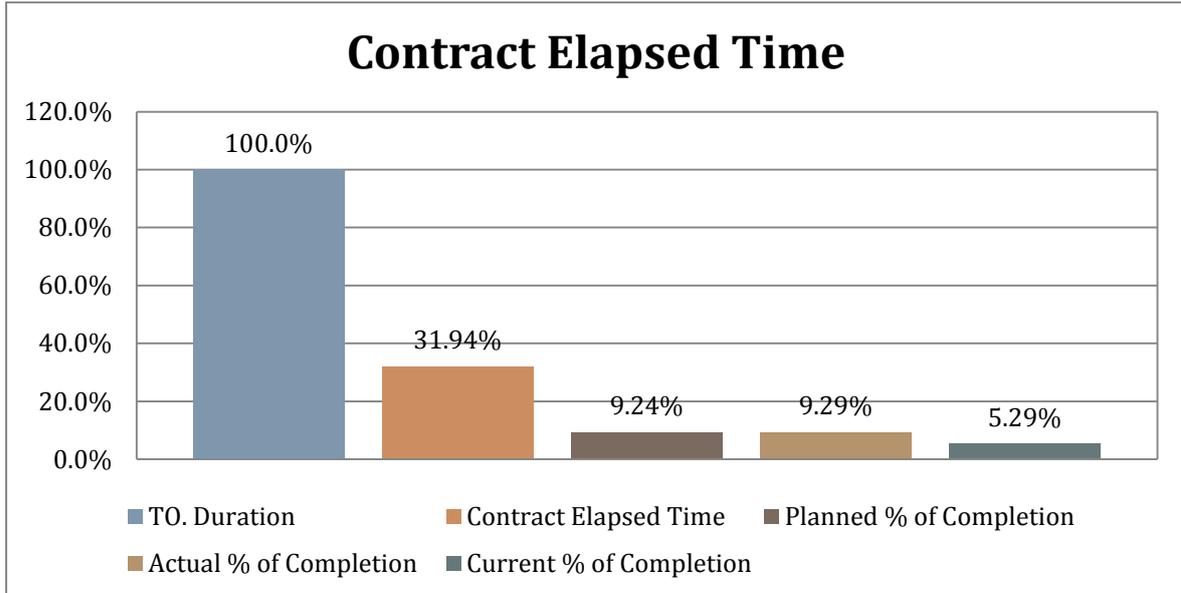
Task Order Name	RAS AL TAWIL & AL 'UDDEISA WATER INFRASTRUCTURE PHASE 1A AND AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION
Contract Number	AID-294-I-13-00002
Task Order Number	AID-294-TO-14-00002
Owner	Palestinian Water Authority (PWA)
Client	USAID West Bank and Gaza
Contractor	Saqqa and Khoudary Co. Ltd. (SAK)
CMC	Black and Veatch (BV)
Task Order Contract Value	\$4,462,836.00
Project Total Amount	\$4,242,836.00
Day work amount	\$220,000.00
Modified Project Total Amount	---
Modified Day work Amount	---
Notice To Proceed	November 04, 2014
Period Of Performance	360 calendar day
Contractual Completion Date	October 29, 2015
Approved Time Extensions	---
Modified Completion Date	---
Estimated Completion Date	October 29, 2015
Start of Construction (Ground Breaking)	---
Project Key Personnel	<ul style="list-style-type: none">• Swilem Mosallam-Task Order Manager• Hussam Milhem-Quality Control Manager• Majd Mashaala-Safety &Environmental Compliance Officer.• Ahmad Al AHalawani-Project Engineer.• Loay Hannoneh-Certified Welding Inspector.• Nidal Abu Arqoob: Project Engineer.



3. Project Dashboard Status

Contract Elapsed Time as of February 28, 2015 [%]	31.94 %
Planned Percentage of Completion through February 28, 2015 [%]	9.24 %
Actual Percentage of Completion through February 28, 2015 [%]	9.29 %
Current Percentage of Completion through February 28, 2015 [%]	5.29 %
Float (Days)	--

The following chart reflects the project dashboard status as of February 28, 2015:



4. Safety Status

4.1. Safety Plan and Measures

To achieve the desired goal of "Zero Losses" Saqqa and Khoudary Company promulgates specific Safety Plan. This Safety Plan incorporates the belief that Quality, Production, Efficiency, and Safety shall be planned into each job and each shall have EQUAL importance in the execution of this project. This program will enhance our effort at achieving "Zero Losses" and avoid employee injury, property damage, loss production, and occupational illnesses.

Safety Plan was submitted on November 09, 2014 that consists of SAK's plan to implement and monitor safety measures before and during construction work. The CMC requested to review and resubmit the safety plan; therefore Saqqa and Khoudary resubmitted the modified safety plan on December 01, 2014 and it was approved by CMC on December 08, 2014.

An Updated Safety Plan was submitted on February 10, 2015 and it was approved by CMC on February 11, 2015

Workshop Safety Inspection Checklist was prepared and submitted to CMC on Feb 28, 2015



4.2. Safety Meetings

Saqqa and Khoudary conducted the following safety tool box meeting during February, 2015 for all employers:

Safety Tool Box Meeting Log			
No.	Meeting No.	Date	Subject
1	STBM-14-00002-UDSI-007	February 10, 2015	Construction site safety check list , PPE, Housekeeping, Personal Safety Point
2	STBM-14-00002-UDSI-008	February 17, 2015	Fire Hazard checklist, Housekeeping

4.3. Accident Status

No accidents were reported during this reporting period.

4.4. Notice of Unsafe Condition

No Notices of Unsafe Condition (NUCs) were issued during this reporting period

4.5. Safety Conclusion

As per the signed executed task order document and prior to starting any work, the Contractor shall submit safety plan for CMC's review and approval. Therefore; a comprehensive safety plan was submitted on November 09, 2014 as one of the preconstruction submittals. The CMC requested to review and resubmit the safety plan; therefore Saqqa and Khoudary resubmitted the modified safety plan on December 01, 2014 and it was approved by CMC on December 08, 2014. An updated Safety Plan was also submitted on February 10, 2015 and it was approved by CMC on February 11, 2015.

During the construction activities at site all safety measures were implemented prior commencement of any work.

5. Traffic Control

5.1. Traffic Control Plan

The project work area is located entirely in Area B and C, therefore; coordination is required with local councils and the District Civil Liaison Offices (DCL) and any other relevant authority or utility that has jurisdiction over any portion of the works.

The Traffic Control Plan for our Project divided into the following phases:

1. **Segment No.1: (STA: 1+000 to STA: 2+100)**
2. **Segment No.2: (STA: 2+100 to STA: 3+880)**
3. **Segment No.3: (STA: 3+880 to STA: 5+597) - Area C**
 - For road segment No.1: (STA: 1+000 to STA: 2+100) that are located in B, copies were prepared, stamped and approved by the local authorities and submitted to the CMC through submittal no. SUB-14-00002-UDSI-042-A dated on December 08, 2014. The CMC reviewed and approved the Traffic



Control Plan for segment No.1 from STA: 1+000 to STA: 2+100 on December 18, 2014.

- For road segment No.3 :(from STA: 3+880 to STA: 5+597) located in Area C, the required traffic control plan was prepared and submitted to the related Israeli authorities for approval on December 30, 2014. In addition, several coordination meetings was scheduled with related authorities to finalize this critical issue (for more information, please refer to Item 10), the aforementioned plan was initially approved.
- Traffic Control Plan for Bani Naim Reservoir Area (Area B): Copies were prepared, stamped and approved by the local authorities and submitted to the CMC as per SUB-14-00002-UDSI-109-A, dated on January 26, 2015. The CMC reviewed and approved the Traffic Control Plan on January 29, 2015.
- Traffic Control Plan for Al- Safi Booster Station: Copies were prepared, stamped and approved by the local authorities and submitted to the CMC as per SUB-14-00002-UDSI-111-A, dated on January 28, 2015. The CMC reviewed and approved the Traffic Control Plan on February 10, 2015
- Traffic Control Plan for Yatta Junction: Copies were prepared, stamped and approved by the local authorities and submitted to the CMC as per SUB-14-00002-UDSI-115-B, dated on February 01, 2015. The CMC reviewed and returned the Traffic Control Plan with Action C-Revise-Resubmit on February 02, 2015. Accordingly; a revised Traffic Control Plan was submitted to the CMC on February 16, 2015. Consequently the CMC reviewed the new submittal and approved it on February 25, 2015.

5.2. Traffic Control Measures

The required Traffic Control measures for the approved Segment No.1 from Sta.1+000 to Sta. 2+100, Bani Naim Reservoir, Al Safi Booster Station and Yatta Junction were posted.

6. Mitigation, Monitoring and Environmental Compliance

The Environmental Mitigation and Monitoring Plan submittal was submitted to the CMC on November 06, 2014 as one of preconstruction submittals. The CMC review the submittal and returned it with Action C- Revise and resubmit. Accordingly; a revised Environmental Mitigation and Monitoring Plan was submitted to the CMC on December 07, 2014. Consequently the CMC reviewed the new submittal and approved it on December 10, 2014.

An updated Environmental Mitigation and Monitoring Plan submittal was submitted to the CMC on February 09, 2015. Consequently the CMC reviewed and approved the Updated Environmental Mitigation and Monitoring Plan on February 11, 2015

No environmental issue was reported during the current reporting period. On the other hand, SAK will monitor the impact of construction activities on surrounding area.



7. Construction Risk Management

During November reporting period Saqqa and Khoudary Co. Ltd. carried out a comprehensive dilapidation survey along the proposed pipeline alignment and Al-safi Booster station in order to record the existing site conditions and to prepare a comprehensive Risk Management plan. The aforementioned plan was submitted to the CMC on December 16, 2014 for review and was approved on December 22, 2014.

An updated Construction Risk Management Plan submittal was submitted to the CMC on February 10, 2015. Consequently the CMC reviewed and approved the Updated Construction Risk Management Plan on February 11, 2015.

8. Community Outreach

As per signed executed task order contract, three temporary project signs should be furnished and installed on approved locations. The required temporary signs were submitted and approved. The approved temporary signs were supplied and installed on the approved locations on December 11, 2014.

Furthermore; Saqqa and Khoudary Co. Ltd. received approval form USAID for the project’s Flyers. The approved Flyers were printed and distributed to the public on January 04, 2015.

During this reporting period, Saqqa and Khoudary coordinated with the adjacent school and arranged for a meeting with the students regarding the safety issues during the progress of work.

The following table summarizes the list of Community outreach meetings during this reporting period:

Community Outreach meetings		
Date	Location	Objective
February 28, 2015	UDSI Secondary School -Beit E'non-Hebron	Safety issues during the progress of work

9. Gender Consideration

As per IQC Contract and executed task order contract requirements section F.5 regarding Gender Action Plan; all employment and man power data were disaggregated in daily joint reports to reflect gender. In addition; the Geo-MIS indicator no. 02 (Person Days of employment generated) data was disaggregated to reflect gender.

Saqqa and Khoudary Co. Ltd. has hired a female office engineer since November, 2014. Another female Jr. Office engineer has also been hired since January, 2015 and they are both still working till this reporting period.

10. Meetings and Coordination activities

Several coordination meetings with local councils and utility owners were conducted during the current reporting period as detailed in below coordination log.



The following table summarizes the list of meetings and coordination activities carried out during this reporting period:

Coordination Meeting			
Date	Attendees	Subject	Description
February 1, 2015	PALTEL-Basem Al Atrash, Mohammed Amro, Mohammed, Abu Hawash, Khaled Abo Sondos	SAK Saer Office	Meeting to discuss the coordination and work procedure. Meeting conducted with presence of PALTEL and SAK representatives.
February 7, 2015	USAID - Kamal Kasbary Hebton Municipality - Naji Al Qasrawi & Salah Dweik	Coordination Meeting	Coordination Meeting Al Safi Booster Station
February 9, 2015	SAK - Swilem Mossalam, Hussam Milhem, Majd Masha`leh, Ruba Abu hamdiya, Muwafaq Abu Zeineh, Loay Hanouneh B&V - Rabah Najajreh, Talal NAjjar, Ibrahim Halahleh, Nariman Barbarawi PWA - Taher Safi	Biweekly meeting	Bi-Weekly progress meeting #5 conducted at B&V Saer office.
February 19, 2015	SAK - Hussam Milhem BV - Ibrahim Ansari, Samer Amro DCL- Blade	Coordination Meeting	Meeting with DCL at Beit Eil office regarding Traffic Plan at Area C
February 21, 2015	SAK - Hussam Milhem, Swilem Mosallam BV - Ibrahim Ansari, Samer Amro	Coordination Meeting	Meeting with BV at Beit Eil office regarding Traffic Plan at Area C
February 23, 2015	SAK - Hussam Milhem BV - Ibrahim Ansari, Samer Amro DCL- Blade	Coordination Meeting	Meeting with DCL at Beit Eil office regarding Traffic Plan at Area C
February 23, 2015	USAID- Kamal Kasbary SAK - Swilem Mossalam, Hussam Milhem, Majd Masha`leh, Ruba Abu hamdiya, Muwafaq Abu Zeineh, Loay Hanouneh BV-Adnan Safi, Rabah Najajreh, Talal NAjjar, Ibrahim Halahleh, Nariman Barbarawi PWA- Taher Safi	Biweekly meeting	Bi-Weekly progress meeting #6 conducted at B&V Saer office.
February 28, 2015	BV-Al-Haddad Manufacturer Representative SAK	Manhole Cover	Manhole Cover



11. Site Visits

The following table summarizes the list of site visits that took place during this reporting period:

Site Visits			
Date	Company	Location	Description
February 1, 2015	PALTEL - Basem Al Atrash, Mohammed Amro, Mohammed Abu Hawash, Khaled Abu Sondos	SAK Saer Office	Site Visit / Coordination Visit
February 7, 2015	USAID - Kamal Kasbary Hebton Municipality - Naji Al Qasrawi & Salah Dweik	Al Safi Booster Station	Site Visit
February 9, 2015	PWA - Taher Safi	B&V Saer Office	Site Visit / Coordination Visit
February 10, 2015	USAID -Kamal Kasbary	Bani Naim Reservoir Service Connection Chamber	Site Visit / Follow up Work
February 23, 2015	USAID- Kamal Kasbary B&V- Adnan Safi PWA - Taher Safi	Al Safi Booster Station & Bani Niam Chamber B&V Sa`er Officer	Site Visit / Follow up Work
February 26, 2015	USAID - Mark Peter , Sophie Tainter, Kamal Kasbary	Yatta Junction	Site Visit / Follow up Work

12. Procurement Status

12.1. Procurement activities

During the current reporting period, Saqqa and Khoudary Company ordered Steel Pipes, fittings and valves. The following table summarizes the status of the procured activities during the current reporting period:

Procurement Schedule for construction activities		
Procured items	Date of order	Expected delivery date
500mm&150 mm Pipes	December 18, 2014	March 07, 2015
KSB check & Ball Valves	February 04, 2015	April 07, 2015
Air release valves with	February 6, 2015	March 27, 2015



Pressure gauges	February 07, 2015	March 22, 2015
Hex head bot &nuts&washers	February 07, 2015	February 22, 2015
Fittings(reducers,TEE,Elbows,End caps)	February 08, 2015	February 23, 2015
Steel pipes (3",4",10",12"14" &18")	February 9, 2015	February 23, 2015
Control Valves	February 10, 2015	April 26, 2015
Strainers	February 22, 2015	March 22, 2015
KSB check valves (6" + 4")	February 24, 2015	April 14, 2015

12.2. Material and Equipment Delivered on Site

The following table consists of all materials delivered to the site during February, 2015:

Material Log		
Date	Material Delivered to Site	Quantity
February 1, 2015	Concrete Barriers	1.6 m3
	Somsom Material	60.932 ton
	Single Size Material	28.770 ton
February 2, 2015	Concrete (Concrete Barriers)	1.6 m3
	Concrete (Blinding Concrete)/B20	5 m3
	Single Size Material	55.230 ton
	Somsom Material	28.190 ton
February 3, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	27.630 ton
	Somsom Material	28.960 ton
February 4, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	27.630 ton
	Concrete (Foundation)	10.5 m3
	36.0" Flange Gasket	3 PCS
	38.3" Flange Gasket	3 PCs
	16" Steel Pipes	78 m long
	8" Steel Pipes	30 m long
	16" Elbows 90O	8 PCs
16" Elbows 45O	12 PCs	
February 5, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	111,140 ton
	Somsom Material	86,570 ton
February 6, 2015		
February 7, 2015	Concrete (Concrete Barriers)	1.6 m3
	Concrete (B300/Mofalfal)	8.0 m3
	Single Size Material	30.460 ton
February 8, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	25.990 ton
	90o Steel Elbow (8") with cement lining and FBE coating.	3 PCs
	90o Steel Elbow (6") with cement lining and FBE coating.	6 PCs
	8"X6" Steel reducer with cement lining and FBE coating.	1 PCs



February 9, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	49.540 ton
	Somsom Material	56.490 ton
	90o Steel Elbow (6") with cement lining and FBE coating.	6 PCs
	6" Steel Pipes	10 m long
February 10, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	82.100 ton
	Somsom Material	29.030 ton
February 11, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	53.910 ton
	Somsom Material	55.600 ton
	Concrete	15 m3
February 12, 2015	HDPE 6" Pipe PN16/DN150 with cover for antennas	5 PCs
	Single Size Material	26.220 ton
February 13, 2015		
February 14, 2015	16"x16" Insulated Tee with cement lining	3 PCs
	Canusa Wrap with closure (WLO-B450-30-BK)	30m long
	Canusa Wrap/closure (CIW-B100-15-BK) thick 10 cm	15m long
	Canusa Wrap Tape 2" HCO (thick 10 cm/10 m long)	3 PCs
February 15, 2015	Concrete (Concrete Barriers)	1.6 m3
	Concrete (Top Slab)	8.5 m3
	Single Size Material	54.080 ton
	Somsom Material	83.820 ton
February 16, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	24.820 ton
February 17, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	57.060 ton
	Somsom Material	53.180 ton
	Single Size Material	24.450 ton
	Concrete (Foundations)	7 m3
	Concrete (Encasement)	2 m3
February 18, 2015	Concrete (Concrete Barriers)	1.6 m3
	Single Size Material	57.040 ton
	Somsom Material	28.090 ton
	Renderoc FC (FOSROC)	1x25 kg
	Renderoc S (FOSROC)	1x25 kg
	Nitoproof 30 (FOSROC)	2x18 liter
February 19, 2015		
February 20, 2015		
February 21, 2015		
February 22, 2015		
February 23, 2015	Concrete (Concrete Barriers)	1.6 m3
	Base Course Material	22.170 ton
February 24, 2015	Concrete (Concrete Barriers)	1.6 m3



	Base Course Material	20.970 ton
	Concrete (400 mm Check Valve)	4 m3
February 25, 2015	Concrete Barriers	1.6 m3
	Single Size Material	27.840 ton
	Single Size Material	26.530 ton
February 26, 2015	Concrete Barriers	1.6 m3
	Single Size Material	27.130 ton
	Somsom Material	28.210 ton
	Concrete(Yatta Junction)	6.0 m3
February 27, 2015		
February 28, 2015	Concrete Barriers	1.6 m3
	Single Size Material	51.350 ton
	Somsom Material	28.570 ton
	Concrete(Yatta Junction)	2.0 m3



The following table consists of all equipment used on site during February, 2015:

		Equipment Log																											
Date		1-Feb-15	2-Feb-15	3-Feb-15	4-Feb-15	5-Feb-15	6-Feb-15	7-Feb-15	8-Feb-15	9-Feb-15	10-Feb-15	11-Feb-15	12-Feb-15	13-Feb-15	14-Feb-15	15-Feb-15	16-Feb-15	17-Feb-15	18-Feb-15	19-Feb-15	20-Feb-15	21-Feb-15	22-Feb-15	23-Feb-15	24-Feb-15	25-Feb-15	26-Feb-15	27-Feb-15	28-Feb-15
Equipment	Quantity in use	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Idle																												
Cars	Quantity in use																												
	Idle																												
Grader	Quantity in use																												
	Idle																												
Water Tank	Quantity in use							1																					
	Idle																												
Loader cat 950H	Quantity in use	1				1		1		1	1	1	1			1											1		
	Idle																												
Compactor	Quantity in use																												
	Idle																												
JCB	Quantity in use							1										1	1	1						1	1	1	1
	Idle																												
Wheel Excavator /DX210W DOSAN 2009	Quantity in use	1	1					1	1	1	1						1								1				
	Idle																												
Concrete Mixer	Quantity in use		1	1	2			1				1						1										1	1
	Idle																												
Concrete Pump	Quantity in use				1							1																	
	Idle																												
Trencher	Quantity in use																												
	Idle																												
Double Cabinet Car	Quantity in use																			1		1	1	1	1	1	1	1	1
	Idle																												
Welding Machine /JACKLE G400S	Quantity in use	1	1	1	1	1		1	1	1	1	1	1		1	1	1	2	2				2	2	2	1		1	1
	Idle																			1	2		2	2	2	2	1		
Survey Station	Quantity in use	1	1																										
	Idle																												
Saw Cut Machine	Quantity in use		2																										
	Idle																												
Truck /IVECO DAILY	Quantity in use	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1										1
	Idle																												
Generator VANTAGE 400	Quantity in use				1	1	1	2	2	2	2	2	2		1	2		2	2				1	2	1	2	2	2	2
	Idle																2		1	2		2	1	2					
Electrical Vibrator	Quantity in use				1							1																1	1
	Idle																												
Crane	Quantity in use							3			1					1	1		1							1			1
	Idle																												
Water Pump	Quantity in use						1																2			1	1	1	
	Idle																												
Asphalt Cut Mashine	Quantity in use																									1			
	Idle																												
Dump Truck	Quantity in use	1	1					1	1	1	1									1				1	1	1			
	Idle																												



13. Progress and Scheduling

During the month of February, Saqqa and Khoudary activities were focused on the completion of major items as indicated below.

A preliminary progress schedule for the initial 60 Day Plan of Operation schedule was submitted and approved during November reporting period that consists of detailed activities of the above-mentioned items, while the detailed original CPM submittal also was submitted to the CMC on December 11, 2014. The Original CPM Schedule submittal was reviewed by the CMC and returned to the contractor with review comments. Consequently Saqqa and Khoudary reviewed the CPM schedule to address the CMC comments, and resubmitted it. It was approved on January 29, 2015 with some comments to be addressed and resubmitted with revision C. The revision C was submitted on February 08, 2015 and approved by the CMC on February 11, 2015. For more details please refer to Annex J.

13.1. Activities During the Current Reporting Period

13.1.1. Bani Naim Service Connection Chamber:

- Completion of civil works for Bani Naim Reservoir Service Connection Chamber.
- Backfilling material (single size) around the Bani Naim Reservoir Service Connection Chamber.
- Spread of base course material for Bani Naim Reservoir Service Connection Chamber.

13.1.2. 400mm Check Valve Chamber / Yatta Junction:

- Completion of excavation works and casting of concrete for 400 mm check valve chamber walls at Yatta Junction.

13.1.3. Al Safi Booster Station:

- Complete installation of Tee for Al Safi Booster Station Connection (900x400mm).
- Complete installation of DN400 mm butterfly Valve with chamber at Al Safi Booster Station.
- Completion of trench excavation for 400 mm steel pipes.
- Start backfill of bedding material (Somsom and Single size) from Sta. 0+000 to Sta.: 0+036.47) at Al Safi Booster Station.
- Start installation of 400mm steel pipes (Sta.: 0+000 to Sta. 0+047.48).
- Completion of excavation works for DN300 mm butterfly valve chamber.
- Cast of concrete for foundation of DN300mm butterfly valve chamber.
- Completion of excavation for DN400 mm butterfly valve chamber.
- Casting concrete for foundation of DN400mm butterfly valve chamber.
- Completion of testing for the existing 500mm DIP Pipe line from Halhouh Regional Reservoir to Reroute Connection at Sta. 5+597.



13.1.4. Storage Yard/Workshop:

- Continue importing and arrangement bedding material (Somsom) and backfill material (single Size) inside storage yard.
- Continue casting concrete for concrete barriers.
- Continue fabrication of steel barriers.

13.2. Planned Activities for Next Month

The following are the main activities planned for next reporting period:

13.2.1 Ras at Tawil Pipelines:

- Start of trench excavation and backfilling from Sta. 1+000 to Sta.2+000 for proposed pipelines.
- Start installation of 500 mm Steel Pipes from Sta.: 1+000.
- Start installation of 150 mm Steel Pipes from Sta.: 1+000.

13.2.2 Chambers at Yatta Junction:

- Backfilling material (single size) around the 400mm check valve chamber at Yatta Junction.
- Spread of base course material for 400mm check valve chamber at Yatta Junction.
- Start excavation for 500 mm check valve chamber.
- Start excavation for proposed butterfly valve chamber.

13.2.3 Al Safi Booster Station:

- Continue backfill of bedding material (Somsom and Single size material).
- Continue install of 400mm steel pipes.
- Start reinstatement over trench.
- Continue of formwork and steel reinforcement for walls and top slab of DN300mm butterfly valve chamber.
- Cast of concrete for walls and top slab of DN300mm butterfly valve chamber.
- Continue of formwork and steel reinforcement for walls and top slab of DN400mm butterfly valve chamber.
- Cast of concrete for walls and top slab of DN400mm butterfly valve chamber.

13.2.4 Storage Yard/Workshop

- Continue importing Somsom material and backfilling single Size materials inside storage yard.
- Continue casting of concrete for concrete barriers.
- Continue fabrication of steel barriers.



14. Task Order Indicators

14.1. Water Sector Task Order Indicator 1: Quantity of drinking water available as a result of USG assistance

This indicator is measured by the total volume determined in the design phase per USAID beneficiaries' standard definitions of drinking water supply to be made available as a result of USG assistance. This data is measured at the design stage based on the estimated transmission capacity.

Saqqa and khoudary was provided with the values of this indicator by CMC. The values are as shown in the table below:

Total No. of Beneficiaries	Female		Male	
	No.	Percentage	No.	Percentage
26,206	12,841	49%	13,365	51%

14.2. Water Sector Task Order Contract Indicator 2: Person Days of Employment Generated

This indicator is measured by the number of person days of employment generated by this Task Order. Saqqa and Khoudary measure person days of employment directly generated by construction work on site. Saqqa and Khoudary will measure this daily during Task Order implementation through Daily Joint Reports (DJRs). Neither expatriate person days of employment (i.e. those worked by American or other Third Country National staff) nor management nor administrative person days of employment (i.e. program level and other general and administrative staff shared among multiple task orders) shall be included in the Geo- MIS related reporting.

The following table summarizes the total number of Persons days of employment generated previously and during the current reporting period:

Target value	8700
Person Days of Employment Generated Previously	1475
Person Days of Employment Generated During the Current Reporting Period	789
Accumulative Persons Days of Employment Generated	2263
Male Person Days of Employment	
Person Days of Employment Generated Previously	1392
Person Days of Employment Generated during the current reporting period	743
Accumulative Persons Days of Employment Generated	2135
Female Person Days of Employment	
Person Days of Employment Generated Previously	83
Person Days of Employment Generated during the current reporting period	46
Accumulative Persons Days of Employment Generated	129
Total Number of Full Time Equivalent Jobs (FTE)	
Number of Full Time Equivalent Jobs Generated Previously	62
Number of Full Time Equivalent Jobs Generated During Current Period	33
Total Number of Full Time Equivalent Jobs Generated	95

For more details, please refer to Geo-MIS log in Annexes – Annex H



15. Working / Non – Working Days

The following table summarizes the total number of working and non-working days during this reporting period:

Description	Days
Contractual Period of Performance (Original)	360 Calendar Days
Total Excusable Delays/Approved Time Extensions	---
Modified Period of Performance	---
Modified Completion Date	---
Number of Working Days during this month	21 Calendar Days
Accumulated Working Days	93 Calendar Days
Number of non-working days (holidays and weekends) during this reporting period	4 Calendar Days
Accumulated non-working days (holidays and weekends)	17 Calendar Days
Number of other non-working days due to bad weather (Snow)	3 Calendar Days
Accumulated other non-working days	6 Calendar Days

16. Site Memorandum

The table below indicates the Site Memorandums issued during this reporting period.

Site Memorandum log					
From C-E					
SM No.	From	To	Description	Submitted Date	Type
-	-	-	-	-	-
From E-C					
SM No.	From	To	Description	Received Date	Type
SM-14-00002-UDSI-E-C-004	CMC	Contractor	Relocation of flow monitoring chamber from Yatta-Junction to Yaqeen (Bani Naim)Reservoir	February 24, 2015	



17. Quality Control Status

This Quality Control Plan is established to provide all the necessary testing and documentation of the contract in order to assure that all work (Onsite/Offsite, Work by Subcontractors, Fabricators, Suppliers and Purchasing agents Subcontractors, Fabricators, and Suppliers) accomplished and all materials and equipment supplied are in accordance with the plans and specifications applicable to the work and meet the quality control provisions of the said plans and specifications.

The Quality Control Plan (QCP) was submitted to CMC for approval on November 09, 2014. It includes the proposed quality control program that should be followed during the construction phase, including the forms of recording the quality control operations, organization chart, control activities, testing, administration of the system for onsite and offsite work, submittal procedures, materials, three phase inspection system, and documentation procedures. The CMC review the submittal and returned it with Action C - Revise and resubmit. Accordingly; a revised Quality Control Plan was submitted on December 01, 2014. The CMC reviewed the new submittal and approved it on December 08, 2014.

No issue was reporting during the current reporting period with regard to the implementation of quality Control plan.



17.1. Inspection Requests:

The following table indicates the list of Inspection Requests issued during this reporting period.

Inspection Request Log							
IR No.	Description	Submit Date	Inspection Date	Response Date	Review Days	1st Inspection	2nd Inspection
IR-14-00002-UDSI-012-A	Complete of excavation and cast of blinding concrete for Bani Naim Reservoir Service Connection Chamber prior to start of formwork & steel reinforcement for foundation.	February 2, 2015	February 2, 2015	February 2, 2015	1	A	
IR-14-00002-UDSI-013-A	Formwork and steel reinforcement for foundation for Bani Naim Service Connection Chamber prior to cast of concrete. (Time of cast concrete: 3:30 PM)	February 4, 2015	February 4, 2015	February 4, 2015	1	A	
IR-14-00002-UDSI-014-A	Material Delivered to the Site: ♦16” Steel Pipes (13 pipe X 6 m). ♦16” Elbows 90o (8 PCs). ♦16” Elbows 45o (12 PCs).	February 5, 2015	February 5, 2015	February 5, 2015	1	A	
IR-14-00002-UDSI-015-A	Install of Tee for Al Safi Booster Station Connection	February 7, 2015	February 7, 2015	February 8, 2015	1	A	
IR-14-00002-UDSI-016-A	Formwork and steel reinforcement of wall for Bani Naim Service Connection Chamber prior to cast of concrete	February 11, 2015	February 11, 2015	February 11, 2015	1	A	



	(Time of cast concrete: 3:30 PM)						
IR-14-00002-UDSI-017-A	Formwork and steel reinforcement of top slab for Bani Naim Service Connection Chamber prior to cast of concrete (Time of cast concrete: 3:30 PM)	February 12, 2015	February 14, 2015	February 15, 2015	1	D	A
IR-14-00002-UDSI-018-A	Inspect of casted precast chamber (Quantity: 23 chambers).	February 16, 2015	February 16, 2015	February 16, 2015	1	A	
IR-14-00002-UDSI-019-A	Apply of Bitumen for Bani Naim Reservoir Service Connection Chamber (1st coat & 2nd coat) prior to start backfill around the chamber	February 16, 2015	February 17, 2015	February 18, 2015	1	C	A
IR-14-00002-UDSI-020-A	Inspection of Foundations & Encasement-BFV Safi	February 17, 2015	February 17, 2015	February 18, 2015	1	A	
IR-14-00002-UDSI-021-A	Concrete Encasement for installed 16" pipes (between Equipment Pad and Inlet Butterfly Valve Chamber).	February 17, 2015	February 17, 2015	February 18, 2015	1	A	
IR-14-00002-UDSI-022-A	Welders Qualification Tests (refer to the attached ID and certificates).	February 22, 2015	February 24, 2015	-		Retracted	
IR-14-00002-UDSI-023-A	Installing of safety signs in the Yatta Junction prior to start excavation for chambers.	February 22, 2015	February 23, 2015	February 24, 2015	1	A	
IR-14-00002-UDSI-024-A	Marking the location of check valve chambers in the Yatta Junction prior	February 22, 2015	February 23, 2015	February 24, 2015	1	A	



	to start excavation.						
IR-14-00002-UDSI-025-A	Formwork and steel reinforcement of foundation for 400mm check valve chamber at Yatta Junction (Time of cast concrete: 4:00 PM)	February 24, 2015	February 24, 2015	February 24, 2015	1	A	
IR-14-00002-UDSI-026-A	Formwork and steel reinforcement of foundation for 400mm check valve chamber at Yatta Junction	February 25, 2015	February 25, 2015	February 26, 2015	1	A	
IR-14-00002-UDSI-027-A	Formwork and steel reinforcement of top slab for 400mm check valve chamber at Yatta Junction	February 26, 2015	February 28, 2015			P	
*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit ,D:Rejected-Resubmit, E:Review Not Required,P:Pending							

17.2. Testing Reports:

The following tests were conducted on the site during this reporting period:

Test Reports Log						
Submittal No.	Description	Submitted Date	Response Date	Review Days	Status	
TEST-14-00002-UDSI-001-A	Test Report - Reinforcement Deformed Steel Bars - Report # BM/STL/15004	February 8, 2015	February 8, 2015	1	A	
TEST-14-00002-UDSI-002-A	Test Report - Concrete Compressive Strength(Bani Na'em Reservoir Service Connection Concrete Footing) - Report # BM/CT/15307 - 7 Days	February 15, 2015	February 15, 2015	1	A	
TEST-14-00002-UDSI-003-A	Test Report - Bedding Material Aggregate -Crushed Limestone Aggregates-(Somsom Size) - Report # BM/QC/15027	February 25, 2015	February 25, 2015	1	A	
TEST-14-00002-UDSI-004-A	Test Report - Aggregate - Granular Limestone Aggregates I Single Size Aggregate (Combined	February 25, 2015	February 25, 2015	1	A	

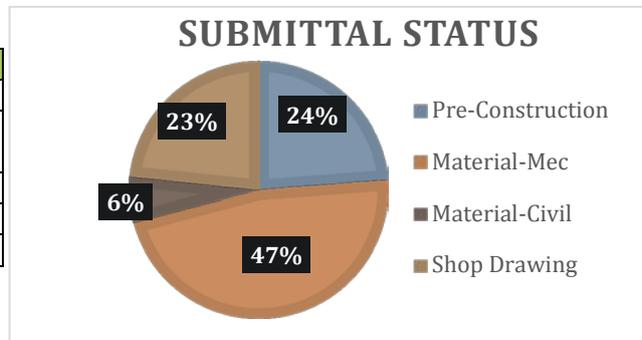


	Aggregate bu Mixing (50% Hommos and 50% Adas)).Al Jabari Crusher Plant I Bani Na'im - Report # BM/QC/15028				
*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit, D:Rejected-Resubmit, E:Review Not Required, P:Pending					

18. Submittals Status

During the current reporting period pre-construction submittals, Material submittals, shop drawing and testing reports submittals were prepared and submitted to the CMC for review and approval. The following chart summarizes the status of submittals till the end of February.

Submittal Classification	
Pre-Construction Submittals	49
Material - Mechanical Submittals	97
Material - Civil Submittals	12
Shop drawing submittals	48
Grand Total	206



For more information please refer to the following submittal log table for submittals issued during the current reporting period and for Annex H that include accumulative submittals log.

Submittals Log					
Submittal No.	Description	Submitted Date	Response Date	Review Days	Status
SUB-14-00002-UDSI-037-D	Flow Control Valve BERMAD 770	February 18, 2015	February 25, 2015	7	A
SUB-14-00002-UDSI-049-B	Welding Procedure Specification	February 12, 2015	February 25, 2015	13	C
SUB-14-00002-UDSI-053-C	CPM Schedule	February 8, 2015	February 11, 2015	3	A
SUB-14-00002-UDSI-072-C	Shop Drawings for Flow Monitoring Chamber & yatta junction	February 11, 2015	February 25, 2015	14	C
SUB-14-00002-	Level Control Valve BERMAD	February	February	3	B



UDSI-074-C	750-66	22, 2015	25, 2015		
SUB-14-00002-UDSI-082-B	Pipe Support - Sample	February 23, 2015	February 25, 2015	2	B
SUB-14-00002-UDSI-089-B	Shop Drawings Butterfly Valve Chamber	February 18, 2015	February 25, 2015	7	B
SUB-14-00002-UDSI-090-B	Shop Drawings AL-Uddeisa Emergency chamber DN150	February 12, 2015	February 25, 2015	13	B
SUB-14-00002-UDSI-091-B	Shop Drawings Ras Al-Taweel Emergency chamber DN100	February 12, 2015	February 25, 2015	13	B
SUB-14-00002-UDSI-092-C	Shop Drawings for Washout Outfall in Urban Areas 200 mm & 80mm	February 18, 2015	February 25, 2015	7	B
SUB-14-00002-UDSI-093-C	Shop Drawings for Combiation air Valve 150mm & 100 & 80mm	February 18, 2015	February 25, 2015	7	B
SUB-14-00002-UDSI-095-C	Additional data Shop Drawings for DIP to Steel Connection Detail (DN500)	February 15, 2015	February 25, 2015	10	B
SUB-14-00002-UDSI-098-C	Shop Drawings for 80 & 150 MM GATE VALVE	February 18, 2015	February 25, 2015	7	B
SUB-14-00002-UDSI-099-B	Shop Drawings for Flow Monitoring Chamber 500mm (sta: 2+510 & sta: 5+580)	February 11, 2015	February 25, 2015	14	C
SUB-14-00002-UDSI-100-B	Shop Drawings for Transmission Pipe line from Sta- 2+460 to Sta. 4+040	February 11, 2015			P
SUB-14-00002-UDSI-102-B	Shop Drawing for Transmission Pipe Line from STA. 4+040 to STA.5+596	February 11, 2015			P
SUB-14-00002-UDSI-106-B	Radiographic Testing Safety Plan	February 17, 2015	February 25, 2015	8	A
SUB-14-00002-UDSI-108-B	Shop Drawings Al Safi BS Flow & PRV Equipment Pad	February 10, 2015	February 25, 2015	15	B
SUB-14-00002-UDSI-112-A	Shop Drawing for Electrical & Instrumentation (Ras At Tawil	February 1, 2015	February 9, 2015	8	B



	and Al Safi)				
SUB-14-00002-UDSI-113-A	Form Tie and Plywood - Samples	February 1, 2015	February 2, 2015	1	B
SUB-14-00002-UDSI-114-A	Shop Drawing for Cathodic Protection System	February 4, 2015	February 3, 2015	2	Retracted
SUB-14-00002-UDSI-114-A	Shop Drawing for Cathodic Protection System	February 4, 2015	February 17, 2015		Retracted
SUB-14-00002-UDSI-115-A	Traffic Control Plan for Yatta Junction	February 1, 2015	February 2, 2015	1	C
SUB-14-00002-UDSI-115-B	Traffic Control Plan for Yatta Junction	February 16, 2015	February 25, 2015	9	A
SUB-14-00002-UDSI-116-A	Steel Flanges (Hubbed Slip on / EN1092-1 / Type 12)	February 1, 2015	February 9, 2015	8	C
SUB-14-00002-UDSI-116-B	Steel Flanges (Hubbed Slip on / EN1092-1 / Type 12)	February 10, 2015	February 18, 2015	8	A
SUB-14-00002-UDSI-117-A	Pressure Leakage Test for Existing 500 mm DIP Pipeline	February 5, 2015			P
SUB-14-00002-UDSI-118-A	Pipe Heat Shrinkable Tapes	February 5, 2015	February 18, 2015	13	D
SUB-14-00002-UDSI-119-A	Structural drawing for 500mm& 400mm check valve chamber / Yatta layout	February 8, 2015	February 9, 2015	1	B
SUB-14-00002-UDSI-120-A	Al- Safi Booster Station Butterfly Valve Chamber DN300 & DN400 PN16	February 8, 2015	February 10, 2015	2	B
SUB-14-00002-UDSI-121-A	Updated Submittals Schedule	February 9, 2015	February 23, 2015	14	B
SUB-14-00002-UDSI-122-A	Updated Environmental Mitigation and Monitoring Plan	February 9, 2015	February 11, 2015	2	A
SUB-14-00002-UDSI-123-A	Updated Construction Risk Management Program	February 10, 2015	February 11, 2015	1	A
SUB-14-00002-UDSI-124-A	Updated Safety Plan (Safety Tool Box & Risk Assesment)	February 10, 2015	February 11, 2015	1	A



SUB-14-00002-UDSI-125-A	Alternative Steel Fittings	February 12, 2015	February 18, 2015	6	B
SUB-14-00002-UDSI-126-A	Alternative Check Valve	February 15, 2015	February 25, 2015	10	B
SUB-14-00002-UDSI-127-A	Manhole Cover 750 mm "Haddad Steel Company"	February 15, 2015			P
SUB-14-00002-UDSI-128-A	Asphalt Mix Design - Nominal Maximum Size 3/4" (19.0 mm)	February 16, 2015	February 18, 2015	2	B
SUB-14-00002-UDSI-129-A	Key Personnel	February 22, 2015	February 23, 2015	1	E
SUB-14-00002-UDSI-130-A	Supplementary Steel Pipes (3", 4", 10", 12", 14" and 18")	February 22, 2015			P
SUB-14-00002-UDSI-131-A	Branding Implementation Strategy	February 22, 2015			P
SUB-14-00002-UDSI-132-A	Replacement for Manhole Cover Inscription (Text)	February 26, 2015			P
SUB-14-00002-UDSI-133-A	Supplementary Information of Insurances	February 26, 2015			P
<p>*Note: A: No Exceptions Noted, B: Make Corrections Noted, C: Amend-Resubmit, D: Rejected-Resubmit, E: Review Not Required, P: Pending.</p>					

19. Transmittals:

The following Transmittals were sent during the current reporting periods:

Outgoing Emails Log				
DCN No.	Subject	From:	To :	Sent Date
Email-14-02-SAK-OUT-0064	Start Excavation	SAK	BV	February 1, 2015
Email-14-02-SAK-OUT-0065	Traffic Control Plan/Area C	SAK	BV	February 2, 2015
Email-14-02-SAK-OUT-0066	December Monthly Progress Report	SAK	USAID	February 3, 2015
Email-14-02-SAK-OUT-0067	Retract- SUB-14-00002-UDSI-114-A	SAK	BV	February 3, 2015
Email-14-02-SAK-OUT-0068	Al Safi Booster Station Connection	SAK	BV/PW A	February 4, 2015
Email-14-02-SAK-OUT-0069	Modified Monthly Progress Report, December 2014	SAK	USAID	February 4, 2015
Email-14-02-SAK-OUT-0070	Retract- IR-14-00002-UDSI-006-A (Pressure Leakage Test	SAK	BV	February 5, 2015
Email-14-02-SAK-OUT-0071	Saturday Schedule	SAK	BV	February 5, 2015



Email-14-02-SAK-OUT-0072	January Monthly Progress Report	SAK	USAID	February 5, 2015
Email-14-02-SAK-OUT-0073	Al Safi Booster Station Connection	SAK	BV	February 8, 2015
Email-14-02-SAK-OUT-0074	Traffic Control Plan Area C	SAK	USAID	February 11, 2015
Email-14-02-SAK-OUT-0075	Traffic Control Plan Area C	SAK	BV	February 11, 2015
Email-14-02-SAK-OUT-0076	Saturday Schedule	SAK	BV	February 12, 2015
Email-14-02-SAK-OUT-0077	Retract- SUB-14-00002-UDSI-114-A	SAK	BV	February 17, 2015
Email-14-02-SAK-OUT-0078	Saturday Schedule	SAK	BV	February 19, 2015
Email-14-02-SAK-OUT-0079	Traffic Plan Area C (2 E-MAILS)	SAK	BV	February 22, 2015
Email-14-02-SAK-OUT-0080	Traffic Plan Area C (2 E-MAILS)	SAK	BV	February 23, 2015
Email-14-02-SAK-OUT-0081	Retract- IR-14-00002-UDSI-022-A	SAK	BV	February 24, 2015
Email-14-02-SAK-OUT-0082	Al Safi Booster Station	SAK	BV	February 25, 2015
Email-14-02-SAK-OUT-0083	Saturday Schedule	SAK	BV	February 26, 2015

INCOMING EMAILS LOG				
DCN No.	Subject	From	To	Received Date
Email-14-02-SAK-IN-0035	Progress Meeting No. 005_Agenda	USAID	SAK	February 5, 2015
Email-14-02-SAK-IN-0036	Traffic Control Plan Area C	BV	SAK	February 11, 2015
Email-14-02-SAK-IN-0037	Draft MOM No. 005	BV	SAK	February 12, 2015
Email-14-02-SAK-IN-0038	Pre-cast manholes.	BV	SAK	February 16, 2015
Email-14-02-SAK-IN-0039	Final MOM No. 005	BV	SAK	February 16, 2015
Email-14-02-SAK-IN-0040	From Subject Received Size Categories Muwafaq AbuZeineh FW: CO key personnel approval 2/20/2015 390 KB	USAID	SAK	February 19, 2015
Email-14-02-SAK-IN-0041	Progress Meeting No. 006_Agenda	BV	SAK	February 22, 2015
Email-14-02-SAK-IN-0042	Traffic Plan Area C Tue 2/24 85 KB	USAID	SAK	February 24, 2015



CONTRACTOR LETTERS LOG				
Letter No.	Description	Submitted Date	From	To
LETTERS FROM CONTRACTOR TO LOCAL AUTHORITY				
LTR.02.SAK-LOCAL.017-A	Damages in Al-Safi Booster Station	February 25, 2015	SAK	Al-Ahliya Insurance
LETTERS FROM CONTRACTOR TO ENGINEER				
Letter No.	Description	Submitted Date	From	To
No letters were issued during this reporting period.				
LETTERS FROM CONTRACTOR TO USAID				
Letter No.	Description	Submitted Date	From	To
No letters were issued during this reporting period.				

20. Requests for Information

The following Requests for Information were issued during this reporting period:

Request for information log				
RFI No.	Description	Submitted Date	Response Date	Review Days
RFI-14-00002-UDSI-C-E-005	Alternative to the modular Link-Seals	February 3, 2015		P
RFI-14-00002-UDSI-C-E-006	Actuators for the Gate Valves	February 15, 2015	February 22, 2015	7
RFI-14-00002-UDSI-C-E-007	Trench Typical Cross-section.	February 16, 2015		P
RFI-14-00002-UDSI-C-E-008	Cathodic protection system for the 6” pipeline	February 26, 2015		P
*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit ,D:Rejected-Resubmit, E:Review Not Required.				

21. Payments

No Payments were submitted during this reporting period.

Progress Payment Log					
Invoice No.	Invoiced Amount	Cumulative Amount	Task Order Amount	Remaining Amount	Date Submitted to B&V
No Payments were submitted during this reporting period					



22. Variation Order Request

Variation Orders Requests were issued during this reporting period:

Variation Order Requests Log						
VOR No.	Description	Cost Impact (\$)	Time Impact (Calendar Day)	Submission Date	Response Date	Status
VOR-14-00002-UDSI-001	Use of Steel Mini Guard in lieu of Concrete New Jersey Barriers during trench excavation, pipe laying and backfilling operations.	0	0	February 9, 2015	February 10, 2015	
VOR-14-00002-UDSI-002	1. Check Valve chamber DN 400mm on the existing 400mm DIP pipe 2. Butterfly Valve Chamber DN 500mm on the existing 500mm DIP pipe	0	0	February 25, 2015	P	

23. Variation Order

No Variation Orders were issued during this reporting period.

Variation Order Log					
Variation Order No.	Description	PVOs/VOs	PVOs/VOs (Calendar Days)	PVO/VO Status	Date Approved By USAID
No Variation Order was issued during the current reporting period					

24. Obstacles and Challenges

24.1. Challenges

During the preparation for commencement of construction activities the following challenges were noticed and the proper actions were taken:

Challenges and Action Taken	
Challenges	Action Taken

24.2. Obstacles

No obstacles



25. Progress Photos



Photo #01: Coordination Meeting with PALTEL at SAK Sa'er Office



Photo #02: Excavation Works for Bani Naim Reservoir Service Connection Chamber



Photo #3: Formwork & Steel Reinforcement for Bani Naim Reservoir Service Connection Chamber



Photo #4: Delivered Material (Steel Pipes)



Photo #5: Casting Concrete for Foundation of Bani Naim Reservoir Service Connection Chamber



Photo #6: Workshop/Storage Yard



Photo #7: Cast of Concrete for Top Slab of Bani Naim Reservoir Service Connection Chamber



Photo #8: Foundation of Butterfly Valve Chamber (DN300) at Al Safi Booster Station



Photo #9: Fabrication Works for Pipes at Workshop



Photo #10: Installing of 16'' Steel Pipes at Al Safi Booster Station



Annexes

- A. Materials- Equipment Received Log
- B. Site Memorandum Log
- C. Inspection Request Log
- D. Submittals Log.
- E. RFI's Log for the Reporting Period
- F. Payment Log
- G. Transmittal Log
- H. Geo-MIS Data
- I. Risk Register
- J. Project Updated Schedule
- K. One Month Look ahead Schedule (Not used for the current reporting period)
- L. Completed and in progress activities (Not used for the current reporting period)
- M. Progress S-Curve versus Actual (Not used for the current reporting period)



Annex A:

Materials- Equipment Received Log



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-14-00002



Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

Material Log

Date	Material Delivered to Site	Quantity
Month : November 2014		
November 1, 2014	None	None
November 2, 2014	None	None
November 3, 2014	None	None
November 4, 2014	None	None
November 5, 2014	None	None
November 6, 2014	None	None
November 7, 2014	None	None
November 8, 2014	None	None
November 9, 2014	None	None
November 10, 2014	None	None
November 11, 2014	None	None
November 12, 2014	None	None
November 13, 2014	None	None
November 14, 2014	None	None
November 15, 2014	None	None
November 16, 2014	None	None
November 17, 2014	None	None
November 18, 2014	None	None
November 19, 2014	None	None
November 20, 2014	None	None
November 21, 2014	None	None
November 22, 2014	None	None
November 23, 2014	None	None
November 24, 2014	None	None
November 25, 2014	None	None
November 26, 2014	None	None
November 27, 2014	None	None
November 28, 2014	None	None
November 29, 2014	None	None
November 30, 2014	None	None
Month : December 2014		
December 1, 2014		
December 2, 2014		
December 3, 2014		
December 4, 2014	Bedding Material (Somsom)	90-ton
December 5, 2014		
December 6, 2014	Bedding Material (Somsom)	60-ton
December 7, 2014		



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-14-00002



**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

Material Log

Date	Material Delivered to Site	Quantity
December 8, 2014	Bedding Material (Somsom)	60-ton
	Single Size Material	30-ton
	Base Course Material	60-ton
December 9, 2014	Single Size Material	40-ton
December 10, 2014	Single Size Material	57-ton
	Concrete B-250	20.5m ³
December 11, 2014		
December 12, 2014		
December 13, 2014	Bedding Material (Somsom)	55.020-ton
	Single Size Material	88.560-ton
December 14, 2014	Bedding Material (Somsom)	22.010-ton
	Single Size Material	84.620-ton
December 15, 2014	Bedding Material (Somsom)	28.0560-ton
	Single Size Material	116.470-ton
December 16, 2014	Single Size Material	114.110-ton
	Concrete B-250	1.0 m ³
December 17, 2014	Single Size Material	81.910-ton
	Bedding Material (Somsom)	57.420-ton
December 18, 2014	Single Size Material	28.250-ton
	Bedding Material (Somsom)	59.130-ton
December 19, 2014		
December 20, 2014	Single Size Material	29.300-ton
	Bedding Material (Somsom)	58.100-ton
December 21, 2014	Single Size Material	29.300-ton
	Bedding Material (Somsom)	58.100-ton
December 22, 2014	Single Size Material	28.140-ton
	Bedding Material (Somsom)	56.280-ton
December 23, 2014	Single Size Material	29.118-ton
	Bedding Material (Somsom)	56.252-ton
December 24, 2014	Single Size Material	84.110-ton
	Bedding Material (Somsom)	91.000-ton
December 25, 2014	Single Size Material	57.964-ton
December 26, 2014		
December 27, 2014	Single Size Material	56.450-ton
	Bedding Material (Somsom)	60.660-ton
	Concrete B-300	1.0 m ³
December 28, 2014		
December 29, 2014	Single Size Material	84.700-ton
	Concrete B-300	1.5 m ³



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-14-00002



**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

Material Log

Date	Material Delivered to Site	Quantity
December 30, 2014	Single Size Material	84.700-ton
	Bedding Material (Somsom)	84.700-ton
	Concrete B-300	1.5 m ³
	16 " Butterfly Valve	1 PC
December 31, 2014	Single Size Material	83.500-ton
	Bedding Material (Somsom)	58.375-ton
	Concrete B-300	1.5 m ³
Month : January 2015		
January 1, 2015	Single Size Material	57.420 ton
	Somsom Material	28.428 ton
	Concrete	1.5 m ³
January 2, 2015		
January 3, 2015	Single Size Material	28.300 ton
	Concrete	1.5 m ³
January 4, 2015	Concrete	1.5 m ³
January 5, 2015	Concrete	1.6 m ³
January 6, 2015	Concrete	1.6 m ³
	Single Size Material	54.113 ton
	Steel Flanges PN40/DN400	2 PCs
January 7, 2015	Concrete	1.6 m ³
January 8, 2015	None	None
January 9, 2015		
January 10, 2015	None	None
January 11, 2015	Concrete	1.6 m ³
January 12, 2015	Concrete	1.6 m ³
	Single Size Material	31.820 ton
January 13, 2015	Concrete	1.6 m ³
	Single Size Material	54.113 ton
	Holiday Test Machine (elcometer 280)	1 set
	Concrete	1.6 m ³
January 14, 2015	Single Size Material	57.030 ton
	Holiday Test Machine (elcometer 280)	1 set
	Concrete	1.6 m ³
January 15, 2015	Single Size Material	57.030 ton
	Mechanical Coupling (36.00" X 38.30")/Smith Blair type 413	2 PC
	36" Steel Pipe	2.5 m
	Concrete	1.6 m ³
January 16, 2015		



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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

Material Log

Date	Material Delivered to Site	Quantity
January 17, 2015	Concrete	1.6 m ³
	Single Size Material	84.113 ton
January 18, 2015	Concrete	1.6 m ³
	Single Size Material	85.127 ton
January 19, 2015	Concrete	1.6 m ³
	Single Size Material	85.127 ton
January 20, 2015	Concrete	1.6 m ³
	Single Size Material	85.127 ton
January 21, 2015	Concrete	1.6 m ³
	Single Size Material	28.113 ton
January 22, 2015	Concrete	1.6 m ³
	Single Size Material	56.127 ton
January 23, 2015		
January 24, 2015	Concrete	1.6 m ³
	Single Size Material	56.127 ton
	Rendroc S / FOSROC	25 Kg
	Tie Rod (30cm/6mm)	500 PCs
January 25, 2015	Concrete	1.6 m ³
	Single Size Material	56.127 ton
January 26, 2015	Concrete Barriers	1.6 m ³
	Single Size	28.118 m ³
January 27, 2015	Concrete Barriers	1.6 m ³
	Concrete Barriers	1.6 m ³
January 28, 2015	Single Size Material	57.565 ton
	Concrete Barriers	1.6 m ³
January 29, 2015	Single Size Material	28.113 ton
	Steel Flanges (3", 4", 6", 8", 10" & 12") (Hubbed Slip on-Type 12)	240 PCs
	Concrete Barriers	1.6 m ³
January 30, 2015	Concrete Barriers	1.6 m ³
	Single Size Material	57.113 ton
January 31, 2015	None	None
Month : February 2015		
February 1, 2015	Concrete Barriers	1.6 m ³
	Somsom Material	60.932 ton
	Single Size Material	28.770 ton
February 2, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Concrete (Blinding Concrete)/B20	5 m ³
	Single Size Material	55.230 ton
	Somsom Material	28.190 ton



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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

Material Log

Date	Material Delivered to Site	Quantity
February 3, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	27.630 ton
	Somsom Material	28.960 ton
February 4, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	27.630 ton
	Concrete (Foundation)	10.5 m ³
	36.0" Flange Gasket	3 PCS
	38.3" Flange Gasket	3 PCs
	16" Steel Pipes	78 m long
	8" Steel Pipes	30 m long
	16" Elbows 90 ^o	8 PCs
16" Elbows 45 ^o	12 PCs	
February 5, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	111,140 ton
	Somsom Material	86,570 ton
February 6, 2015		
February 7, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Concrete (B300/Mofalfal)	8.0 m ³
	Single Size Material	30.460 ton
February 8, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	25.990 ton
	90 ^o Steel Elbow (8") with cement lining and FBE coating.	3 PCs
	90 ^o Steel Elbow (6") with cement lining and FBE coating.	6 PCs
	8"X6" Steel reducer with cement lining and FBE coating.	1 PCs
February 9, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	49.540 ton
	Somsom Material	56.490 ton
	90 ^o Steel Elbow (6") with cement lining and FBE coating.	6 PCs
February 10, 2015	6" Steel Pipes	10 m long
	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	82.100 ton
February 11, 2015	Somsom Material	29.030 ton
	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	53.910 ton
February 12, 2015	Somsom Material	55.600 ton
	Concrete	15 m ³
	HDPE 6" Pipe PN16/DN150 with cover for antennas	5 PCs
	Single Size Material	26.220 ton



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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection

Material Log

Date	Material Delivered to Site	Quantity
February 13, 2015		
	16"x16" Insulated Tee with cement lining	3 PCs
February 14, 2015	Canusa Wrap with closure (WLO-B450-30-BK)	30m long
	Canusa Wrap/closure (CIW-B100-15-BK) thick 10 cm	15m long
	Canusa Wrap Tape 2" HCO (thick 10 cm/10 m long)	3 PCs
February 15, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Concrete (Top Slab)	8.5 m ³
	Single Size Material	54.080 ton
	Somsom Material	83.820 ton
February 16, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	24.820 ton
February 17, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	57.060 ton
	Somsom Material	53.180 ton
	Single Size Material	24.450 ton
	Concrete (Foundations)	7 m ³
	Concrete (Encasement)	2 m ³
February 18, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Single Size Material	57.040 ton
	Somsom Material	28.090 ton
	Renderoc FC (FOSROC)	1x25 kg
	Renderoc S (FOSROC)	1x25 kg
	Nitoproof 30 (FOSROC)	2x18 liter
February 19, 2015		
February 20, 2015		
February 21, 2015		
February 22, 2015		
February 23, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Base Course Material	22.170 ton
February 24, 2015	Concrete (Concrete Barriers)	1.6 m ³
	Base Course Material	20.970 ton
	Concrete (400 mm Check Valve)	4 m ³
February 25, 2015	Concrete Barriers	1.6 m3
	Single Size Material	27.840 ton
	Single Size Material	26.530 ton
February 26, 2015	Concrete Barriers	1.6 m3
	Single Size Material	27.130 ton
	Somsom Material	28.210 ton
	Concrete(Yatta Junction)	6.0 m3
February 27, 2015		
February 28, 2015	Concrete Barriers	1.6 m3
	Single Size Material	51.350 ton
	Somsom Material	28.570 ton
	Concrete(Yatta Junction)	2.0 m3



Annex B:

Site Memorandum Log



USAID WEST BANK - GAZA

Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection



SITE MEMOS LOG_FROM CONTRACTOR						
No.	SM No.	Project	Description	Submitted Date	Type	Remark
1	SM-14-00002-UDSI-C-E-001	UDSI	Network Branches with Gate Valve Chamber	December 30, 2014	Record of Joint Walkthrough	



USAID WEST BANK - GAZA
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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

SITE MEMOS LOG_TO CONTRACTOR						
No.	SM No.	Project	Description	Received Date	Type	Remarks
1	SM-14-00002-UDSI-E-C-001	UDSI	Installation of 3" Future Connections on the 6" Main Pipeline	January 11, 2015	Site Instruction	
2	SM-14-00002-UDSI-E-C-002	UDSI	Response to SM-14-00002-UDSI-C-E-001(Network Branches with Gate Valve Chamber)	January 18, 2015	Other	
3	SM-14-00002-UDSI-E-C-003	UDSI	Request to submit VOR to capture changes in London and quantities of chambers.	January 29, 2015	Site Instruction	
4	SM-14-00002-UDSI-E-C-004	UDSI	Relocation of flow monitoring chamber from Yatta-Junction to Yaqeen (Bani Naim)Reservoir	February 24, 2015	Site Instruction	



Annex C:

Inspection Request Log

TASK ORDER NO. AID-294-TO-14-00002
Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase IA and AI Safi
Booster Station - Phase I Pipeline Connection

INSPECTION REQUEST LOG									
No.	IR No.	Description	Submitted Date	Inspection Date	Response Date	Review Days	1st Inspectio	2nd Inspectio	
1	IR-14-00002-UDSI-001-A	Temporary Sign Installation (2 Signs) - Saer Temporary Sign & Bein Naeim Temporary Sign	December 14, 2014	December 15, 2014	December 15, 2014	0	A		
2	IR-14-00002-UDSI-002-A	Hand Over of CMC Primary Field Office - Saer (Ras Al-Taweel Project)	December 15, 2014	December 15, 2014	December 16, 2014	1	C		
3	IR-14-00002-UDSI-002-B	Hand Over of CMC Primary Field Office - Saer (Ras Al-Taweel Project)	December 17, 2014	December 17, 2014	December 17, 2014	0	A		
4	IR-14-00002-UDSI-003-A	Al-safi Temporary Sign Installation	December 22, 2014	December 23, 2014	December 24, 2014	1	A		
5	IR-14-00002-UDSI-004-A	Inspection for Steel Barrier Sample in reference to RFI # 1	December 27, 2014	December 28, 2014	December 29, 2014	1	A		
6	IR-14-00002-UDSI-005-A	Delivered Material (16" Butterfly valve -HAKOHAV / DN400PN40)	January 5, 2015	January 13, 2015	January 6, 2015	-7	Retracted		
7	IR-14-00002-UDSI-005-A	Delivered Material (16" Butterfly valve -HAKOHAV / DN400PN40)	January 12, 2015	January 13, 2015	January 13, 2015	0	A		
8	IR-14-00002-UDSI-006-A	Pressure Leakage Test for existing 500m DHP pipeline from Hallul reservoir to route connection at sta.5+597	January 20, 2015	January 20, 2015	January 22, 2015	2	Retracted		
9	IR-14-00002-UDSI-006-A	Pressure Leakage Test for existing 500m DHP pipeline from Hallul reservoir to route connection at sta.5+597	January 22, 2015	January 25, 2015	February 5, 2015	44	Retracted		
10	IR-14-00002-UDSI-007-A	Welding and fabrication of Tee Assembly for Al-Safi Booster Station Connection	January 20, 2015	January 20, 2015	January 21, 2015	1	A		
11	IR-14-00002-UDSI-008-A	Marking the location for Bani Naim Reservoir Services Connection Chamber	January 26, 2015	January 27, 2015	January 27, 2015	0	A		
12	IR-14-00002-UDSI-009-A	Coating and cement lining repair of Tee Assembly for Al-Safi Booster Station Connection	January 29, 2015	February 1, 2015	February 1, 2015	0	C		
13	IR-14-00002-UDSI-009-B	Coating and cement lining repair of Tee Assembly for Al-Safi Booster Station Connection	February 5, 2015	February 5, 2015	February 5, 2015	0	A		
14	IR-14-00002-UDSI-010-A	Delivered Material to the site / 3", 4", 6", 10" and 12" Steel Flanges PN16 (Hubbed Slip on-Type 12). Refer to attached MRR and material certificates.	January 31, 2015	February 1, 2015	February 1, 2015	0	A		
15	IR-14-00002-UDSI-011-A	Install of safety signs and preparation works prior to start excavation for the Bani Naim Reservoir Service Connection Chamber.	January 31, 2015	January 31, 2015	January 31, 2015	0	A		
16	IR-14-00002-UDSI-012-A	Complete of excavation and cast of blinding concrete for Bani Naim Reservoir Service Connection Chamber prior to start of formwork & steel reinforcement for foundation.	February 2, 2015	February 2, 2015	February 2, 2015	0	A		
17	IR-14-00002-UDSI-013-A	Formwork and steel reinforcement for foundation for Bani Naim Service Connection Chamber prior to cast of concrete. (Time of cast concrete: 3:30 PM)	February 4, 2015	February 4, 2015	February 4, 2015	0	A		
18	IR-14-00002-UDSI-014-A	Material Delivered to the Site: <input type="checkbox"/> 16" Steel Pipes (13 pipe X 6 m). <input type="checkbox"/> 16" Elbows 90o (8 PCs).	February 5, 2015	February 5, 2015	February 5, 2015	0	A		
19	IR-14-00002-UDSI-015-A	Install of Tee for Al Safi Booster Station Connection □	February 7, 2015	February 7, 2015	February 8, 2015	1	A		
20	IR-14-00002-UDSI-016-A	Formwork and steel reinforcement of wall for Bani Naim Service Connection Chamber prior to cast of concrete (Time of cast concrete: 3:30 PM)	February 11, 2015	February 11, 2015	February 11, 2015	0	A		
21	IR-14-00002-UDSI-017-A	Formwork and steel reinforcement of top slab for Bani Naim Service Connection Chamber prior to cast of concrete (Time of cast concrete: 3:30 PM)	February 12, 2015	February 14, 2015	February 15, 2015	1	D	A	
22	IR-14-00002-UDSI-018-A	Inspect of casted precast chamber (Quantity: 23 chambers).	February 16, 2015	February 16, 2015	February 16, 2015	0	A		
23	IR-14-00002-UDSI-019-A	Apply of Bitumen for Bani Naim Reservoir Service Connection Chamber (1st coat & 2nd coat) prior to start backfill around the chamber	February 16, 2015	February 17, 2015	February 18, 2015	1	C	A	
24	IR-14-00002-UDSI-020-A	Inspection of Foundations & Encasement-BFV Safi	February 17, 2015	February 17, 2015	February 18, 2015	1	A		
25	IR-14-00002-UDSI-021-A	Concrete Encasement for installed 16" pipes (between Equipment Pad and Inlet Butterfly Valve Chamber).	February 17, 2015	February 17, 2015	February 18, 2015	1	A		
26	IR-14-00002-UDSI-022-A	Welder Qualification Tests (refer to the attached ID and certificates).	February 22, 2015	February 24, 2015		-42059	Retracted		
27	IR-14-00002-UDSI-023-A	Installing of safety signs in the Yatta Junction prior to start excavation for chambers.	February 22, 2015	February 23, 2015	February 24, 2015	1	A		
28	IR-14-00002-UDSI-024-A	Marking the location of check valve chambers in the Yatta Junction prior to start excavation.	February 22, 2015	February 23, 2015	February 24, 2015	1	A		
29	IR-14-00002-UDSI-025-A	Formwork and steel reinforcement of foundation for 400mm check valve chamber at Yatta Junction (Time of cast concrete: 4:00 PM)	February 24, 2015	February 24, 2015	February 24, 2015	0	A		
30	IR-14-00002-UDSI-026-A	Formwork and steel reinforcement of foundation for 400mm check valve chamber at Yatta Junction	February 25, 2015	February 25, 2015	February 26, 2015	1	A		
31	IR-14-00002-UDSI-027-A	Formwork and steel reinforcement of top slab for 400mm check valve chamber at Yatta Junction	February 26, 2015	February 28, 2015			P		



Annex D:

Submittals Log.



USAID WEST BANK - GAZA
Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection



TASK ORDER SUBMITTALS LOG									
No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
1	SUB-14-00002-UDSI-001-A	UDSI	Scheduling Qualification	Pre-Construction	November 6, 2014	December 6, 2014	November 12, 2014	6	A
2	SUB-14-00002-UDSI-002-A	UDSI	Guarantee Certificate	Pre-Construction	November 6, 2014	December 6, 2014	November 18, 2014	12	E
3	SUB-14-00002-UDSI-003-A	UDSI	Insurance Certificate	Pre-Construction	November 6, 2014	December 6, 2014	November 30, 2014	24	E
4	SUB-14-00002-UDSI-004-A	UDSI	Submittal Schedule	Pre-Construction	November 6, 2014	December 6, 2014	November 12, 2014	6	A
5	SUB-14-00002-UDSI-005-A	UDSI	Environmental Mitigation & Monitoring Plan	Pre-Construction	November 6, 2014	December 6, 2014	November 18, 2014	12	C
6	SUB-14-00002-UDSI-005-B	UDSI	Environmental Mitigation & Monitoring Plan	Pre-Construction	December 7, 2014	January 6, 2015	December 10, 2014	3	B
7	SUB-14-00002-UDSI-006-A	UDSI	QC Plan	Pre-Construction	November 9, 2014	December 9, 2014	November 25, 2014	16	C
8	SUB-14-00002-UDSI-006-B	UDSI	QC Plan	Pre-Construction	December 1, 2014	December 31, 2014	December 8, 2014	7	B
9	SUB-14-00002-UDSI-007-A	UDSI	Safety Plan	Pre-Construction	November 9, 2014	December 9, 2014	November 26, 2014	17	C
10	SUB-14-00002-UDSI-007-B	UDSI	Safety Plan	Pre-Construction	December 1, 2014	December 31, 2014	December 8, 2014	7	B
11	SUB-14-00002-UDSI-008-A	UDSI		Pre-Construction	November 9, 2014	December 9, 2014	November 26, 2014	17	C
12	SUB-14-00002-UDSI-008-B	UDSI	General Construction Method Statement	Pre-Construction	December 3, 2014	January 2, 2015	December 29, 2014	26	B
13	SUB-14-00002-UDSI-009-A	UDSI	Preliminary Progress Schedule (60 Day Plan of Operation)	Pre-Construction	November 9, 2014	December 9, 2014	November 20, 2014	11	B
14	SUB-14-00002-UDSI-010-A	UDSI	Office Furniture	Pre-Construction	November 11, 2014	December 11, 2014	November 12, 2014	1	A
15	SUB-14-00002-UDSI-011-A	UDSI	Field Office Computer System	Pre-Construction	November 11, 2014	December 11, 2014	November 18, 2014	7	B
16	SUB-14-00002-UDSI-011-B	UDSI	Laptop Computer System , External Mouse, UPS , Software , DVD , Toner cartridge for each equipment of each color	Pre-Construction	December 1, 2014	December 31, 2014	December 3, 2014	2	A
17	SUB-14-00002-UDSI-012-A	UDSI	PN16 & PN25 Butterfly Valves	Material-Mec	November 11, 2014	December 11, 2014	November 19, 2014	8	D
18	SUB-14-00002-UDSI-012-B	UDSI	PN16 & PN25 Butterfly Valves	Material-Mec	November 26, 2014	December 26, 2014	December 3, 2014	7	C
19	SUB-14-00002-UDSI-012-C	UDSI	PN16 & PN25 Butterfly Valves	Material-Mec	December 7, 2014	January 6, 2015	December 16, 2014	9	B
20	SUB-14-00002-UDSI-013-A	UDSI	Strainer	Material-Mec	November 11, 2014	December 11, 2014	November 19, 2014	8	C
21	SUB-14-00002-UDSI-013-B	UDSI	Strainer	Material-Mec	December 27, 2014	January 26, 2015	January 4, 2015	8	B
22	SUB-14-00002-UDSI-014-A	UDSI	Flanged Socket	Material-Mec	November 11, 2014	December 11, 2014	November 19, 2014	8	D
23	SUB-14-00002-UDSI-014-B	UDSI	Flanged Socket	Material-Mec	December 30, 2014	January 29, 2015	January 11, 2015	12	C



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002
Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection



TASK ORDER SUBMITTALS LOG									
No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
24	SUB-14-00002-UDSI-014-B	UDSI	Flanged Socket	Material-Mec	December 8, 2014	January 7, 2015	Retracted Date dec 21, 2014	#VALUE!	Retracted
25	SUB-14-00002-UDSI-014-C	UDSI	Flanged Socket	Material-Mec	January 21, 2015	February 20, 2015	February 4, 2015	14	B
26	SUB-14-00002-UDSI-015-A	UDSI	Engineer's Field Offices Layout	Pre-Construction	November 11, 2014	December 11, 2014	November 12, 2014	1	B
27	SUB-14-00002-UDSI-016-A	UDSI	List of Permits and Licenses	Pre-Construction	November 11, 2014	December 11, 2014	November 18, 2014	7	B
28	SUB-14-00002-UDSI-017-A	UDSI	PN16 & PN25 Dismantling Joint	Material-Mec	November 12, 2014	December 12, 2014	November 19, 2014	7	C
29	SUB-14-00002-UDSI-017-B	UDSI	PN16 & PN25 Dismantling Joint	Material-Mec	November 26, 2014	December 26, 2014	December 8, 2014	12	C
30	SUB-14-00002-UDSI-017-C	UDSI	PN16 & PN25 Dismantling Joint	Material-Mec	December 9, 2014	January 8, 2015	December 16, 2014	7	B
31	SUB-14-00002-UDSI-018-A	UDSI	Pressure Differential Switch Item 4.2.1	Material-Mec	November 13, 2014	December 13, 2014	November 27, 2014	14	C
32	SUB-14-00002-UDSI-018-B	UDSI	Pressure Differential Switch Item 4.2.1	Material-Mec	December 8, 2014	January 7, 2015	December 15, 2014	7	D
33	SUB-14-00002-UDSI-018-C	UDSI	Pressure Differential Switch (Ashcroft) Multiple Site	Material-Mec	January 21, 2015	February 20, 2015	January 28, 2015	7	Retracted
34	SUB-14-00002-UDSI-018-C	UDSI	Pressure Differential Switch (Ashcroft) Multiple Site	Material-Mec	January 29, 2015	February 28, 2015	February 4, 2015	6	B
35	SUB-14-00002-UDSI-019-A	UDSI	Pressure Transmitter - AL-Safi	Material-Mec	November 13, 2014	December 13, 2014	November 23, 2014	10	C
36	SUB-14-00002-UDSI-019-B	UDSI	Pressure Transmitter - AL-Safi	Material-Mec	December 8, 2014	January 7, 2015	December 22, 2014	14	B
37	SUB-14-00002-UDSI-020-A	UDSI	Pressure Transmitter - Multiple	Material-Mec	November 13, 2014	December 13, 2014	November 25, 2014	12	D
38	SUB-14-00002-UDSI-020-B	UDSI	Pressure Transmitter (Huba Control) Multiple Sites	Material-Mec	January 21, 2015	February 20, 2015	February 3, 2015	13	A
39	SUB-14-00002-UDSI-021-A	UDSI	Lighting Surge Arrestor	Material-Mec	November 13, 2014	December 13, 2014	November 25, 2014	12	A
40	SUB-14-00002-UDSI-022-A	UDSI	Electromagnetic Flowmeter - MAG5100	Material-Mec	November 13, 2014	December 13, 2014	November 25, 2014	12	D
41	SUB-14-00002-UDSI-022-B	UDSI	Electromagnetic Flowmeter - MAG 3100	Material-Mec	December 10, 2014	January 9, 2015	December 23, 2014	13	Retracted
42	SUB-14-00002-UDSI-022-B	UDSI	Electromagnetic Flowmeter -MAG 3101	Material-Mec	January 21, 2015	February 20, 2015	February 3, 2015	13	A
43	SUB-14-00002-UDSI-023-A	UDSI	Electromagnetic Flowmeter MAG8000	Material-Mec	November 13, 2014	December 13, 2014	November 30, 2014	17	C
44	SUB-14-00002-UDSI-023-B	UDSI	Electromagnetic Flowmeter MAG8000	Material-Mec	December 8, 2014	January 7, 2015	December 18, 2014	10	B
45	SUB-14-00002-UDSI-024A	UDSI	6" & 20" Steel Pipes	Material-Mec	November 17, 2014	December 17, 2014	November 19, 2014	2	C
46	SUB-14-00002-UDSI-024-B	UDSI	20" Steel Pipes	Material-Mec	December 2, 2014	January 1, 2015	December 8, 2014	6	B



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No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
47	SUB-14-00002-UDSI-025-A	UDSI	Construction Risk Management Plan	Pre-Construction	November 17, 2014	December 17, 2014	December 2, 2014	15	Retracted
48	SUB-14-00002-UDSI-025-A	UDSI	Construction Risk Management Plan	Pre-Construction	December 16, 2014	January 15, 2015	December 22, 2014	6	A
49	SUB-14-00002-UDSI-026-A	UDSI	Storage Yard	Pre-Construction	November 17, 2014	December 17, 2014	November 18, 2014	1	B
50	SUB-14-00002-UDSI-027-A	UDSI	Manhole Covers	Material-Civil	November 17, 2014	December 17, 2014	November 20, 2014	3	C
51	SUB-14-00002-UDSI-027-B	UDSI	Manhole Cover 800 mm "PAMREX"	Material-Civil	November 26, 2014	December 26, 2014	November 30, 2014	4	B
52	SUB-14-00002-UDSI-028-A	UDSI	Mobiles & SIM	Pre-Construction	November 19, 2014	December 19, 2014	November 20, 2014	1	A
53	SUB-14-00002-UDSI-029-A	UDSI	Fabrication Alsafi Of Steel Tee 36" X 16"	Material-Mec	November 23, 2014	December 23, 2014	November 25, 2014	2	C
54	SUB-14-00002-UDSI-029-B	UDSI	Fabrication Alsafi Of Steel Tee 36" X 16"	Material-Mec	November 27, 2014	December 27, 2014	November 30, 2014	3	B
55	SUB-14-00002-UDSI-030-A	UDSI	Temporary Project Signs	Pre-Construction	November 26, 2014	December 26, 2014	November 27, 2014	1	A
56	SUB-14-00002-UDSI-031-A	UDSI	Field Office Computer System-Updated	Pre-Construction	November 30, 2014	December 30, 2014	December 1, 2014	1	A
57	SUB-14-00002-UDSI-032-A	UDSI	ArcEyes Lab - Welding and Welders	Material-Mec	November 30, 2014	December 30, 2014	December 8, 2014	8	A
58	SUB-14-00002-UDSI-033-A	UDSI	Dilapidation Survey – From Sta.0+000 to Sta.4+600 & Dilapidation Survey - Al-Safi Booster Station & Video Survey - From Sta.0+000 to Sta.4+600 & for Al-Safi Booster Station (DVD)	Pre-Construction	November 30, 2014	December 30, 2014	December 3, 2014	3	A
59	SUB-14-00002-UDSI-034-A	UDSI	3" & 4" Gate Valve (GV-2)/PN16	Material-Mec	December 1, 2014	December 31, 2014	December 16, 2014	15	B
60	SUB-14-00002-UDSI-035-A	UDSI	Temporary Sign Location	Pre-Construction	December 2, 2014	January 1, 2015	December 3, 2014	1	A
61	SUB-14-00002-UDSI-036-A	UDSI	Shop Drawings Frame & Cover Template	Pre-Construction	December 3, 2014	January 2, 2015	December 8, 2014	5	A
62	SUB-14-00002-UDSI-037-A	UDSI	CLA-VAL: Flow control Valve DN150	Material-Mec	December 4, 2014	January 3, 2015	December 8, 2014	4	C
63	SUB-14-00002-UDSI-037-B	UDSI	Flow Control Valve BERMAD 770	Material-Mec	January 4, 2015	February 3, 2015	January 11, 2015	7	C
64	SUB-14-00002-UDSI-037-C	UDSI	Flow Control Valve BERMAD 770	Material-Mec	January 26, 2015	February 25, 2015	February 4, 2015	9	C
65	SUB-14-00002-UDSI-037-D	UDSI	Flow Control Valve BERMAD 770	Material-Mec	February 18, 2015	March 20, 2015	February 25, 2015	7	A
66	SUB-14-00002-UDSI-038-A	UDSI	Al-Aabed Concreet Batch Plant	Pre-Construction	December 7, 2014	January 6, 2015	December 8, 2014	1	A
67	SUB-14-00002-UDSI-039-A	UDSI	Bedding Material Aggregate -Granular Backfill Materials (Somsom Size) Report # BM/QC/14133 (Al Jabari Crusher Plant / Bani Na'im)	Test - Source	December 7, 2014	January 6, 2015	December 8, 2014	1	A
68	SUB-14-00002-UDSI-040-A	UDSI	Back Fill Materials - Crushed Aggregates Size I Single Size (Foul+ Adas) – Report # BM/QC/14134 (Al Jabari Stone Crusher I Bani Na'im)	Test - Source	December 7, 2014	January 6, 2015	December 8, 2014	1	A
69	SUB-14-00002-UDSI-041-A	UDSI	Excavation & Trenching Safety Plan	Pre-Construction	December 7, 2014	January 6, 2015	December 8, 2014	1	B



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70	SUB-14-00002-UDSI-042-A	UDSI	Traffic Control Plan from Sta. 1+000 to sta. 2+100	Traffic Control Plan	December 8, 2014	January 7, 2015	December 18, 2014	10	B
71	SUB-14-00002-UDSI-043-A	UDSI	Pipes Marking	Material-Mec	December 8, 2014	January 7, 2015	December 17, 2014	9	A
72	SUB-14-00002-UDSI-044-A	UDSI	6" Steel Pipes	Material-Mec	December 8, 2014	January 7, 2015	December 10, 2014	2	C
73	SUB-14-00002-UDSI-044-B	UDSI	6" Steel Pipes	Material-Mec	December 15, 2014	January 14, 2015	December 16, 2014	1	B
74	SUB-14-00002-UDSI-045-A	UDSI	Asphalt Mix Design	Test - Source	December 8, 2014	January 7, 2015	December 10, 2014	2	B
75	SUB-14-00002-UDSI-046-A	UDSI	Concrete Ready-Mix Designs	Test - Source	December 8, 2014	January 7, 2015	December 10, 2014	2	B
76	SUB-14-00002-UDSI-047-A	UDSI	Morex- Radio-graphic Testing Agency	Material-Mec	December 9, 2014	January 8, 2015	December 16, 2014	7	A
77	SUB-14-00002-UDSI-048-A	UDSI	Manhole Step-Sample & Test Report	Test - Source	December 10, 2014	January 9, 2015	December 15, 2014	5	A
78	SUB-14-00002-UDSI-049-A	UDSI	Welding Procedure Specification	Material-Mec	December 10, 2014	January 9, 2015	December 16, 2014	6	B
79	SUB-14-00002-UDSI-049-B	UDSI	Welding Procedure Specification	Material-Mec	February 12, 2015	March 14, 2015	February 25, 2015	13	C
	SUB-14-00002-UDSI-049-C	UDSI	Welding Procedure Specification	Material-Mec					Not Ready
80	SUB-14-00002-UDSI-050-A	UDSI	Dumping Site	Pre-Construction	December 10, 2014	January 9, 2015	December 15, 2014	5	A
81	SUB-14-00002-UDSI-051-A	UDSI	Pre-Cast Concrete Chamber	Material-Civil	December 11, 2014	January 10, 2015	December 22, 2014	11	B
82	SUB-14-00002-UDSI-052-A	UDSI	Test Procedure - 500mm Existing DIP Pipeline	Material-Mec	December 11, 2014	January 10, 2015	December 18, 2014	7	C
83	SUB-14-00002-UDSI-052-B	UDSI	Test Procedure - 501mm Existing DIP Pipeline	Material-Mec	December 27, 2014	January 26, 2015	January 5, 2015	9	B
84	SUB-14-00002-UDSI-053-A	UDSI	CPM Schedule	Schedule	December 11, 2014	January 10, 2015	December 31, 2014	20	C
85	SUB-14-00002-UDSI-053-B	UDSI	CPM Schedule	Schedule	January 25, 2015	February 24, 2015	January 29, 2015	4	B
86	SUB-14-00002-UDSI-053-C	UDSI	CPM Schedule	Schedule	February 8, 2015	March 10, 2015	February 11, 2015	3	A
87	SUB-14-00002-UDSI-054-A	UDSI	High Potential Magnesium Anodes	Material-Mec	December 14, 2014	January 13, 2015	December 22, 2014	8	B
88	SUB-14-00002-UDSI-055-A	UDSI	SHOP DRAWING FOR TRANSMISSION PIPE LINE FROM ST- 1+000 TO 1+500	Shop Drawing	December 14, 2014	January 13, 2015	January 6, 2015	23	B
89	SUB-14-00002-UDSI-056-A	UDSI	Check Valve	Material-Mec	December 14, 2014	January 13, 2015	January 4, 2015	21	C
90	SUB-14-00002-UDSI-056-B	UDSI	Check Valve	Material-Mec	January 22, 2015	February 21, 2015	February 3, 2015	12	B
91	SUB-14-00002-UDSI-057-A	UDSI	Steel Reinforcement Manufacturers Data	Material-Mec	December 14, 2014	January 13, 2015	December 15, 2014	1	B



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92	SUB-14-00002-UDSI-058-A	UDSI	Test Station for Cathodic Protection	Material-Mec	December 14, 2014	January 13, 2015	December 29, 2014	15	B
93	SUB-14-00002-UDSI-059-A	UDSI	Gate Valves (GV2) 6" & 8"	Material-Mec	December 14, 2014	January 13, 2015	December 16, 2014	2	C
94	SUB-14-00002-UDSI-059-B	UDSI	Gate Valves (GV2) 6" & 8"	Material-Mec	January 12, 2015	February 11, 2015	January 20, 2015	8	B
95	SUB-14-00002-UDSI-060-A	UDSI	Field Office Computer System-Alternative	Pre-Construction	December 15, 2014	January 14, 2015	December 22, 2014	7	A
96	SUB-14-00002-UDSI-061-A	UDSI	Manhole cover inscription	Material-Civil	December 18, 2014	January 17, 2015	December 24, 2014	6	A
97	SUB-14-00002-UDSI-062-A	UDSI	Pipe Heat Shrinkable Sleeve & Tape	Material-Mec	December 18, 2014	January 17, 2015	December 22, 2014	4	C
98	SUB-14-00002-UDSI-062-B	UDSI	Pipe Heat Shrinkable Sleeve & Tape	Material-Mec	January 12, 2015	February 11, 2015	January 19, 2015	7	D
99	SUB-14-00002-UDSI-062-C	UDSI	Pipe Heat Shrinkable Sleeve & Tape	Material-Mec	January 25, 2015	February 24, 2015	February 2, 2015	8	B
100	SUB-14-00002-UDSI-063-A	UDSI	Identification Tape - Warning Tape & Sample	Pre-Construction	December 22, 2014	January 21, 2015	December 29, 2014	7	A
101	SUB-14-00002-UDSI-064-A	UDSI	Updated Submittals Schedule	Schedule	December 22, 2014	January 21, 2015	December 29, 2014	7	A
102	SUB-14-00002-UDSI-065-A	UDSI	Shop Drawings for Check Valve Chamber - 400mm	Shop Drawing	December 24, 2014	January 23, 2015	January 12, 2015	19	C
103	SUB-14-00002-UDSI-065-B	UDSI	Shop Drawings for Check Valve Chamber - 400mm	Shop Drawing	January 15, 2015	February 14, 2015	February 2, 2015	18	B
104	SUB-14-00002-UDSI-066-A	UDSI	Al Safi Booster Station DN400 PN40 Butterfly Valve (HAKOHAVE).	Material-Mec	December 24, 2014	January 23, 2015	December 31, 2014	7	A
105	SUB-14-00002-UDSI-067-A	UDSI	Shop Drawing for Transmission Pipeline from Sta. 1+500 to sta. 2+460	Shop Drawing	December 27, 2014	January 26, 2015	January 6, 2015	10	B
106	SUB-14-00002-UDSI-068-A	UDSI	PCS Technical Qualification (Profile & CV) Instrumentation, Integration and Programming	Material-Mec	December 27, 2014	January 26, 2015	December 31, 2014	4	C
107	SUB-14-00002-UDSI-068-B	UDSI	PCS Technical Qualification (Profile & CV) Instrumentation, Integration and Programming	Material-Mec	January 5, 2015	February 4, 2015	January 11, 2015	6	Retracted
108	SUB-14-00002-UDSI-068-B	UDSI	PCS Technical Qualification (Profile & CV) Instrumentation, Integration and Programming	Material-Mec	January 13, 2015	February 12, 2015	January 15, 2015	2	D
109	SUB-14-00002-UDSI-068-C	UDSI	PCS Technical Qualification (Profile & CV) Instrumentation, Integration and Programming	Material-Mec	January 26, 2015	February 25, 2015	February 3, 2015	8	B
110	SUB-14-00002-UDSI-069-A	UDSI	Pre-Cast Concrete Chamber - Alternative	Material-Civil	December 27, 2014	January 26, 2015	January 11, 2015	15	B
111	SUB-14-00002-UDSI-070-A	UDSI	Method Statement for Chambers installation	Material-Civil	December 27, 2014	January 26, 2015	January 11, 2015	15	B
112	SUB-14-00002-UDSI-071-A	UDSI	Shop Drawings for 500 mm Check Valve Chamber	Shop Drawing	December 29, 2014	January 28, 2015	January 12, 2015	14	C
113	SUB-14-00002-UDSI-071-B	UDSI	Shop Drawings for 500 mm Check Valve Chamber	Shop Drawing	January 15, 2015	February 14, 2015	February 2, 2015	18	B
114	SUB-14-00002-UDSI-072-A	UDSI	Shop Drawings for Flow Monitoring Chamber	Shop Drawing	December 29, 2014	January 28, 2015	January 13, 2015	15	C



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115	SUB-14-00002-UDSI-072-B	UDSI	Shop Drawings for Flow Monitoring Chamber & yatta junction	Shop Drawing	January 19, 2015	February 18, 2015	February 4, 2015	16	C
116	SUB-14-00002-UDSI-072-C	UDSI	Shop Drawings for Flow Monitoring Chamber & yatta junction	Shop Drawing	February 11, 2015	March 13, 2015	February 25, 2015	14	C
117	SUB-14-00002-UDSI-073-A	UDSI	Flange Gasket	Material-Mec	December 30, 2014	January 29, 2015	January 4, 2015	5	B
118	SUB-14-00002-UDSI-074-A	UDSI	Level Control Valve BERMAD 750-66	Material-Mec	January 4, 2015	February 3, 2015	January 12, 2015	8	C
119	SUB-14-00002-UDSI-074-B	UDSI	Level Control Valve BERMAD 750-66	Material-Mec	January 31, 2015	March 2, 2015	February 4, 2015	4	C
120	SUB-14-00002-UDSI-074-C	UDSI	Level Control Valve BERMAD 750-66	Material-Mec	February 22, 2015	March 24, 2015	February 25, 2015	3	B
121	SUB-14-00002-UDSI-075-A	UDSI	Pressure Gauge Assembly WIKA Model no. 233.34	Material-Mec	January 4, 2015	February 3, 2015	January 11, 2015	7	B
122	SUB-14-00002-UDSI-076-A	UDSI	Shop Drawings for Yatta Junction Layout	Shop Drawing	January 4, 2015	February 3, 2015	January 29, 2015	25	B
123	SUB-14-00002-UDSI-077-A	UDSI	Bedding Material Aggregate -Granular Backfill Materials (Somsom Size) Report # BM/QC/14151 (Abu Al Zoloff Stone Crusher I Sa'eer Town)	Test - Source	January 4, 2015	February 3, 2015	January 4, 2015	0	A
124	SUB-14-00002-UDSI-078-A	UDSI	Insulating Flange Kit /SGM	Material-Mec	January 4, 2015	February 3, 2015	January 11, 2015	7	B
125	SUB-14-00002-UDSI-079-A	UDSI	Flanged Pressure Relief Valve DN50 PN25 BERMAD 73Q	Material-Mec	January 4, 2015	February 3, 2015	January 11, 2015	7	C
126	SUB-14-00002-UDSI-079-B	UDSI	Flanged Pressure Relief Valve DN50 PN25 BERMAD 73Q	Material-Mec	January 28, 2015	February 27, 2015	February 3, 2015	6	B
127	SUB-14-00002-UDSI-080-A	UDSI	Shop Drawings for AL- SAFI Booster Station Layout	Shop Drawing	January 4, 2015	February 3, 2015	January 15, 2015	11	B
128	SUB-14-00002-UDSI-081-A	UDSI	Steel Flanges (Hubbed Slip On-Type12)	Material-Mec	January 5, 2015	February 4, 2015	January 11, 2015	6	B
129	SUB-14-00002-UDSI-082-A	UDSI	Pipe Support - Sample	Material-Mec	January 5, 2015	February 4, 2015	January 11, 2015	6	D
130	SUB-14-00002-UDSI-082-B	UDSI	Pipe Support - Sample	Material-Mec	February 23, 2015	March 25, 2015	February 25, 2015	2	B
131	SUB-14-00002-UDSI-083-A	UDSI	Steel Mechanical Coupling DN250 PN16	Material-Mec	January 11, 2015	February 10, 2015	January 18, 2015	7	B
132	SUB-14-00002-UDSI-084-A	UDSI	KSB Ball Valve (VB-1)	Material-Mec	January 11, 2015	February 10, 2015	January 20, 2015	9	C
133	SUB-14-00002-UDSI-084-B	UDSI	KSB Ball Valve (VB-1) - DN50 and smaller	Material-Mec	January 25, 2015	February 24, 2015	January 28, 2015	3	B
134	SUB-14-00002-UDSI-085-A	UDSI	PAM 2in Gate Valve DN50 PN25	Material-Mec	January 11, 2015	February 10, 2015	January 19, 2015	8	B
135	SUB-14-00002-UDSI-086-A	UDSI	Chambers & Ras Al Taweel Pipeline Instrumentations System	Material-Mec	January 11, 2015	February 10, 2015	January 20, 2015	9	B
136	SUB-14-00002-UDSI-087-A	UDSI	Al Safi Booster Station Instrumentations System	Material-Mec	January 11, 2015	February 10, 2015	January 25, 2015	14	B
137	SUB-14-00002-UDSI-088-A	UDSI	Combination Air Valve	Material-Mec	January 12, 2015	February 11, 2015	January 18, 2015	6	B



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138	SUB-14-00002-UDSI-089-A	UDSI	Shop Drawings Butterfly Valve Chamber	Shop Drawing	January 13, 2015	February 12, 2015	January 31, 2015	18	Retracted
139	SUB-14-00002-UDSI-089-A	UDSI	Shop Drawings Butterfly Valve Chamber	Shop Drawing	January 31, 2015	March 2, 2015	February 12, 2015	12	C
140	SUB-14-00002-UDSI-089-B	UDSI	Shop Drawings Butterfly Valve Chamber	Shop Drawing	February 18, 2015	March 20, 2015	February 25, 2015	7	B
141	SUB-14-00002-UDSI-090-A	UDSI	Shop Drawings AL-Uddeisa Emergency chamber DN150	Shop Drawing	January 13, 2015	February 12, 2015	February 2, 2015	20	C
142	SUB-14-00002-UDSI-090-B	UDSI	Shop Drawings AL-Uddeisa Emergency chamber DN150	Shop Drawing	February 12, 2015	March 14, 2015	February 25, 2015	13	B
143	SUB-14-00002-UDSI-091-A	UDSI	Shop Drawings Ras Al-Taweel Emergency chamber DN100	Shop Drawing	January 13, 2015	February 12, 2015	February 2, 2015	20	C
144	SUB-14-00002-UDSI-091-B	UDSI	Shop Drawings Ras Al-Taweel Emergency chamber DN100	Shop Drawing	February 12, 2015	March 14, 2015	February 25, 2015	13	B
145	SUB-14-00002-UDSI-092-A	UDSI	Shop Drawings for Washout Outfall in Urban Areas 200 mm & 80mm	Shop Drawing	January 15, 2015	February 14, 2015	January 27, 2015	Retracted by CMC	Retracted
146	SUB-14-00002-UDSI-092-A	UDSI	Shop Drawings for Washout Outfall in Urban Areas 200 mm & 80mm	Shop Drawing	January 15, 2015	February 14, 2015	January 29, 2015	14	C
147	SUB-14-00002-UDSI-092-B	UDSI	Shop Drawings for Washout Outfall in Urban Areas 200 mm & 80mm	Shop Drawing	January 31, 2015	March 2, 2015	February 16, 2015	16	C
148	SUB-14-00002-UDSI-092-C	UDSI	Shop Drawings for Washout Outfall in Urban Areas 200 mm & 80mm	Shop Drawing	February 18, 2015	March 20, 2015	February 25, 2015	7	B
149	SUB-14-00002-UDSI-093-A	UDSI	Shop Drawings for Combiation air Valve 150mm &100 & 80mm	Shop Drawing	January 15, 2015	February 14, 2015	January 27, 2015	12	C
150	SUB-14-00002-UDSI-093-B	UDSI	Shop Drawings for Combiation air Valve 150mm &100 & 80mm	Shop Drawing	January 31, 2015	March 2, 2015	February 12, 2015	12	B
	SUB-14-00002-UDSI-093-C	UDSI	Shop Drawings for Combiation air Valve 150mm &100 & 80mm	Shop Drawing	February 18, 2015	March 20, 2015	February 25, 2015	7	B
151	SUB-14-00002-UDSI-094-A	UDSI	Bolts, Washers & Nuts	Material-Mec	January 17, 2015	February 16, 2015	January 25, 2015	8	B
152	SUB-14-00002-UDSI-095-A	UDSI	Shop Drawings for DIP to Steel Connection Detail (DN500)	Shop Drawing	January 18, 2015	February 17, 2015	January 27, 2015	9	C
153	SUB-14-00002-UDSI-095-B	UDSI	Shop Drawings for DIP to Steel Connection Detail (DN500)	Shop Drawing	January 31, 2015	March 2, 2015	February 9, 2015	9	C
154	SUB-14-00002-UDSI-095-C	UDSI	Additional data Shop Drawings for DIP to Steel Connection Detail (DN500)	Shop Drawing	February 15, 2015	March 17, 2015	February 25, 2015	10	B
155	SUB-14-00002-UDSI-096-A	UDSI	Combination Air Valve	Material-Mec	January 18, 2015	February 17, 2015	January 25, 2015	7	B
156	SUB-14-00002-UDSI-097-A	UDSI	Shop Drawings for Layout for Bani Naim Reservoir	Shop Drawing	January 19, 2015	February 18, 2015	January 27, 2015	8	C
157	SUB-14-00002-UDSI-097-B	UDSI	Shop Drawings for Layout for Bani Naim Reservoir	Shop Drawing	January 28, 2015	February 27, 2015	February 2, 2015	5	B
158	SUB-14-00002-UDSI-098-A	UDSI	Shop Drawings for 80 & 150 MM GATE VALVE	Shop Drawing	January 19, 2015	February 18, 2015	January 27, 2015	8	C
159	SUB-14-00002-UDSI-098-B	UDSI	Shop Drawings for 80 & 150 MM GATE VALVE	Shop Drawing	January 31, 2015	March 2, 2015	February 12, 2015	12	C



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160	SUB-14-00002-UDSI-098-C	UDSI	Shop Drawings for 80 & 150 MM GATE VALVE	Shop Drawing	February 18, 2015	March 20, 2015	February 25, 2015	7	B
161	SUB-14-00002-UDSI-099-A	UDSI	Shop Drawings for Flow Monitoring Chamber 500mm (sta: 2+510 & sta: 5+580)	Shop Drawing	January 20, 2015	February 19, 2015	February 4, 2015	15	C
162	SUB-14-00002-UDSI-099-B	UDSI	Shop Drawings for Flow Monitoring Chamber 500mm (sta: 2+510 & sta: 5+580)	Shop Drawing	February 11, 2015	March 13, 2015	February 25, 2015	14	C
163	SUB-14-00002-UDSI-100-A	UDSI	Shop Drawings for Transmission Pipe line from Sta- 2+460 to Sta. 4+040	Shop Drawing	January 20, 2015	February 19, 2015	February 2, 2015	13	C
164	SUB-14-00002-UDSI-100-B	UDSI	Shop Drawings for Transmission Pipe line from Sta- 2+460 to Sta. 4+040	Shop Drawing	February 11, 2015	March 13, 2015		-42046	P
165	SUB-14-00002-UDSI-101-A	UDSI	Steel Fittings	Material-Mec	January 20, 2015	February 19, 2015	January 25, 2015	5	B
166	SUB-14-00002-UDSI-102-A	UDSI	Shop Drawing for Transmission Pipe Line from STA. 4+040 to STA.5+596	Shop Drawing	January 21, 2015	February 20, 2015	February 3, 2015	13	C
167	SUB-14-00002-UDSI-102-B	UDSI	Shop Drawing for Transmission Pipe Line from STA. 4+040 to STA.5+596	Shop Drawing	February 11, 2015	March 13, 2015		-42046	P
168	SUB-14-00002-UDSI-103-A	UDSI	16" & 8" Steel Pipes	Material-Mec	January 22, 2015	February 21, 2015	January 28, 2015	6	B
169	SUB-14-00002-UDSI-104-A	UDSI	Shop Drawing for Al-Safi Booster Station	Shop Drawing	January 25, 2015	February 24, 2015	February 3, 2015	9	B
170	SUB-14-00002-UDSI-105-A	UDSI	Cement Lining Repair Method Statement	Material-Mec	January 25, 2015	February 24, 2015	January 29, 2015	4	B
171	SUB-14-00002-UDSI-106-A	UDSI	Radiographic Testing Safety Plan	Material-Mec	January 25, 2015	February 24, 2015	January 27, 2015	2	C
172	SUB-14-00002-UDSI-106-B	UDSI	Radiographic Testing Safety Plan	Material-Mec	February 17, 2015	March 19, 2015	February 25, 2015	8	A
173	SUB-14-00002-UDSI-107-A	UDSI	Bani Naim Reservoir Service Connection Chamber	Material-Mec	January 26, 2015	February 25, 2015	January 27, 2015	1	C
174	SUB-14-00002-UDSI-107-B	UDSI	Shop Drawings Bani Naim Reservoir Service Connection Chamber	Shop Drawing	January 29, 2015	February 28, 2015	January 31, 2015	2	B
175	SUB-14-00002-UDSI-108-A	UDSI	Shop Drawings Al Safi BS Flow & PRV Equipment Pad	Shop Drawing	January 26, 2015	February 25, 2015	February 3, 2015	8	C
176	SUB-14-00002-UDSI-108-B	UDSI	Shop Drawings Al Safi BS Flow & PRV Equipment Pad	Shop Drawing	February 10, 2015	March 12, 2015	February 25, 2015	15	B
177	SUB-14-00002-UDSI-109-A	UDSI	Traffic Control Plan-Bani Naim Reservoir Area	Traffic Control Plan	January 26, 2015	February 25, 2015	January 29, 2015	3	B
178	SUB-14-00002-UDSI-110-A	UDSI	Al-Safi Equipment pad control Valves	Material-Mec	January 26, 2015	February 25, 2015	January 29, 2015	3	B
179	SUB-14-00002-UDSI-111-A	UDSI	TRAFFIC PLAN FOR AL SAFI BOOSTER STATION	Traffic Control Plan	January 28, 2015	February 27, 2015	February 10, 2015	13	B
180	SUB-14-00002-UDSI-112-A	UDSI	Shop Drawing for Electrical & Instrumentation (Ras At Tawil and Al Safi)	Shop Drawing	February 1, 2015	March 3, 2015	February 9, 2015	8	B
181	SUB-14-00002-UDSI-113-A	UDSI	Form Tie and Plywood - Samples	Material-Mec	February 1, 2015	March 3, 2015	February 2, 2015	1	B
182	SUB-14-00002-UDSI-114-A	UDSI	Shop Drawing for Cathodic Protection System	Shop Drawing	February 1, 2015	March 3, 2015	February 3, 2015	2	Retracted



USAID WEST BANK - GAZA
Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection



TASK ORDER SUBMITTALS LOG									
No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
183	SUB-14-00002-UDSI-114-A	UDSI	Shop Drawing for Cathodic Protection System	Shop Drawing	February 1, 2015	March 3, 2015	February 17, 2015	16	Retracted
184	SUB-14-00002-UDSI-115-A	UDSI	Traffic Control Plan for Yatta Junction	Traffic Control Plan	February 1, 2015	March 3, 2015	February 2, 2015	1	C
185	SUB-14-00002-UDSI-115-B	UDSI	Traffic Control Plan for Yatta Junction	Traffic Control Plan	February 16, 2015	March 18, 2015	February 25, 2015	9	A
186	SUB-14-00002-UDSI-116-A	UDSI	Steel Flanges (Hubbed Slip on / EN1092-1 / Type 12)	Material-Mec	February 1, 2015	March 3, 2015	February 9, 2015	8	C
187	SUB-14-00002-UDSI-116-B	UDSI	Steel Flanges (Hubbed Slip on / EN1092-1 / Type 12)	Material-Mec	February 10, 2015	March 12, 2015	February 18, 2015	8	A
188	SUB-14-00002-UDSI-117-A	UDSI	Pressure Leakage Test for Existing 500 mm DIP Pipeline	Material-Mec	February 5, 2015	March 7, 2015		-42040	P
189	SUB-14-00002-UDSI-118-A	UDSI	Pipe Heat Shrinkable Tapes	Material-Mec	February 5, 2015	March 7, 2015	February 18, 2015	13	D
190	SUB-14-00002-UDSI-119-A	UDSI	Structural drawing for 500mm& 400mm check valve chamber / Yatta layout	Shop Drawing	February 8, 2015	March 10, 2015	February 9, 2015	1	B
191	SUB-14-00002-UDSI-120-A	UDSI	Al- Safi Booster Station Butterfly Valve Chamber DN300 & DN400 PN16	Shop Drawing	February 8, 2015	March 10, 2015	February 10, 2015	2	B
192	SUB-14-00002-UDSI-121-A	UDSI	Updated Submittals Schedule	Schedule	February 9, 2015	March 11, 2015	February 23, 2015	14	B
193	SUB-14-00002-UDSI-122-A	UDSI	Updated Environmental Mitigation and Monitoring Plan	Schedule	February 9, 2015	March 11, 2015	February 11, 2015	2	A
194	SUB-14-00002-UDSI-123-A	UDSI	Updated Construction Risk Management Program	Updated	February 10, 2015	March 12, 2015	February 11, 2015	1	A
195	SUB-14-00002-UDSI-124-A	UDSI	Updated Safety Plan (Safety Tool Box & Risk Assessment)	Updated	February 10, 2015	March 12, 2015	February 11, 2015	1	A
196	SUB-14-00002-UDSI-125-A	UDSI	Alternative Steel Fittings	Material-Mec	February 12, 2015	March 14, 2015	February 18, 2015	6	B
197	SUB-14-00002-UDSI-126-A	UDSI	Alternative Check Valve	Material-Mec	February 15, 2015	March 17, 2015	February 25, 2015	10	B



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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection



TASK ORDER SUBMITTALS LOG									
No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
198	SUB-14-00002-UDSI-127-A	UDSI	Manhole Cover 750 mm "Haddad Steel Company"	Material-Mec	February 15, 2015	March 17, 2015			P
199	SUB-14-00002-UDSI-128-A	UDSI	Asphalt Mix Design - Nominal Maximum Size 3/4" (19.0 mm)	Pre-Construction	February 16, 2015	March 18, 2015	February 18, 2015	2	B
200	SUB-14-00002-UDSI-129-A	UDSI	Key Personnel	Pre-Construction	February 22, 2015	March 24, 2015	February 23, 2015	1	E
201	SUB-14-00002-UDSI-130-A	UDSI	Supplementary Steel Pipes (3", 4", 10", 12", 14" and 18")	Material-Mec	February 22, 2015	March 24, 2015		-42057	P
202	SUB-14-00002-UDSI-131-A	UDSI	Branding Implementation Strategy	Pre-Construction	February 22, 2015	March 24, 2015		-42057	P
203	SUB-14-00002-UDSI-132-A	UDSI	Replacement for Manhole Cover Inscription (Text)	Material-Mec	February 26, 2015	March 28, 2015		-42061	P
204	SUB-14-00002-UDSI-133-A	UDSI	Supplementary Information of Insurances	Pre-Construction	February 26, 2015	March 28, 2015		-42061	P
Legend :A:No Exceptions Noted,B:Make Corrections Noted,C:Amend-Resubmit,D:Rejected-Resubmit,E:Review Not Required,P:Pending									



Annex E:

RFI's Log for the Reporting Period



USAID WEST BANK - GAZA

Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi

Booster Station - Phase I Pipeline Connection



REQUEST FOR INFORMATION LOG

No.	RFI No.	Project	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Transmittal No.	Remarks
1	RFI-14-00002-UDSI-C-E-001	UDSI	Substitution New Jersey Barriers with Steel Mini Guard	December 3, 2014	January 2, 2015	December 9, 2014	6		
2	RFI-14-00002-UDSI-C-E-002	UDSI	Pressure reduction through the combination pressure reducing & flow control valves at Al-SAFI Booster Station PRV-110 & PRV-111.	December 29, 2014	January 28, 2015	January 11, 2015	13		
3	RFI-14-00002-UDSI-C-E-003	UDSI	Deletion of the valve actuators assembly from the submitted (PAM) DN150 & DN200 gate valves (PN16)	January 25, 2015	February 24, 2015	January 29, 2015	Retracted By		
4	RFI-14-00002-UDSI-C-E-004	UDSI	Replacing the Hubbed slip on flanges type12 by slip-on flanges type1.	January 25, 2015	February 24, 2015	February 16, 2015	22		
5	RFI-14-00002-UDSI-C-E-005	UDSI	Alternative to the modular Link-Seals	February 3, 2015	March 5, 2015		P		
6	RFI-14-00002-UDSI-C-E-006	UDSI	Actuators for the Gate Valves	February 15, 2015	March 17, 2015	February 22, 2015	7		
7	RFI-14-00002-UDSI-C-E-007	UDSI	Trench Typical Cross-section.	February 16, 2015	March 18, 2015		P		
8	RFI-14-00002-UDSI-C-E-008	UDSI	Cathodic protection system for the 6" pipeline	February 26, 2015	March 28, 2015		P		
	Legend : P: Pending								



Annex F:

Payments Log



USAID WEST BANK - GAZA - Local Construction Program (LCP)
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002



Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

PROGRESS PAYMENT LOG										
No.	Payment No.	TO. No	Invoiced Amount	Cumulative Amount	Task Order Amount	Remaining Amount	Date Submitted to BV	Date Sent to USAID	Review Period (Work Days)	COR
1	PAY-14-00002-UDSI-001	14-00002	\$161,632.00	\$161,632.00	\$4,462,836.00	\$4,301,204.00	December 29, 2014	January 5, 2015	7	Kamal Kasbary



Annex G:

Transmittal Log



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-13-00002
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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

INCOMING EMAILS LOG						
No.	DCN No.	Subject	From Organization	To Organization	Received Date	Comments
1	Email-14-02-SAK-IN-0001	TO 14-0002 UDSI: Introductory Meeting	BV	SAK	November 11, 2014	
2	Email-14-02-SAK-IN-0002	Re: TO-00002-14-UDSI: Key Personnel	USAID	SAK	November 19, 2014	
3	Email-14-02-SAK-IN-0003	Re: TO 14-02 UDSI: Request for Vetting - LIGHT Company	USAID	SAK	November 24, 2014	
4	Email-14-02-SAK-IN-0004	Re: TO 14-02 UDSI: Flyer	USAID	SAK	November 24, 2014	
5	Email-14-02-SAK-IN-0005	Introductory Meeting MOM	BV	SAK	November 25, 2014	
6	Email-14-02-SAK-IN-0006	Post Award Meeting Memo	BV	SAK	November 26, 2014	
7	Email-14-02-SAK-IN-0007	Walkthrough # 003	BV	SAK	November 26, 2014	
8	Email-14-02-SAK-IN-0008	TO 14-00002 UDSI: Progress Meeting No. 001_Agenda	BV	SAK	December 7, 2014	
9	Email-14-02-SAK-IN-0009	Mobilization Progress Concern	BV	SAK	December 8, 2014	
10	Email-14-02-SAK-IN-0010	Draft MOM No. 001	BV	SAK	December 11, 2014	
11	Email-14-02-SAK-IN-0011	Key Personnel	USAID	SAK	December 15, 2014	
12	Email-14-02-SAK-IN-0012	November Monthly Progress Report	USAID	SAK	December 15, 2014	
13	Email-14-02-SAK-IN-0013	Final MOM No. 001	BV	SAK	December 16, 2014	
14	Email-14-02-SAK-IN-0014	Key Personnel	USAID	SAK	December 16, 2014	
15	Email-14-02-SAK-IN-0015	Flyer	USAID	SAK	December 22, 2014	
16	Email-14-02-SAK-IN-0016	Progress Meeting No. 002_Agenda	BV	SAK	December 22, 2014	
17	Email-14-02-SAK-IN-0017	Hebron DCL Meeting - Al Safi project	Hebron Dcl	SAK	December 1, 2014	
18	Email-14-02-SAK-IN-0018	Traffic Plan Area C	USAID	BV	December 28, 2014	



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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

INCOMING EMAILS LOG						
No.	DCN No.	Subject	From Organization	To Organization	Received Date	Comments
19	Email-14-02-SAK-IN-0019	Traffic Plan Area C	BV	SAK	December 28, 2014	
20	Email-14-02-SAK-IN-0020	November Monthly Progress Report	BV	SAK	December 28, 2014	
21	Email-14-02-SAK-IN-0021	Draft MOM No. 002	BV	SAK	December 29, 2014	
22	Email-14-02-SAK-IN-0022	November Monthly Progress Report	USAID	SAK	December 31, 2014	
23	Email-14-02-SAK-IN-0023	Final MOM No. 002	BV	SAK	January 4, 2015	
24	Email-14-02-SAK-IN-0024	Progress Meeting No. 003_Agenda	BV	SAK	January 4, 2015	
25	Email-14-02-SAK-IN-0025	November Monthly Progress Report	USAID	SAK	January 6, 2015	
26	Email-14-02-SAK-IN-0026	Upgrade of AutoCAD 2012 to 2015	Michael Younan <gse@gsecc.com>	SAK	January 6, 2015	
27	Email-14-02-SAK-IN-0027	Instrumentation Modifications	BV	SAK	January 11, 2015	
28	Email-14-02-SAK-IN-0028	Draft MOM No. 003	BV	SAK	January 11, 2015	
29	Email-14-02-SAK-IN-0029	WBWD Bank Guarantee (كفالة)	BV	SAK	January 12, 2015	
30	Email-14-02-SAK-IN-0030	Final MOM No. 003	BV	SAK	January 14, 2015	
31	Email-14-02-SAK-IN-0031	Key Personnel	BV	SAK	January 15, 2015	
32	Email-14-02-SAK-IN-0032	Progress Meeting No. 004_Agenda	BV	SAK	January 18, 2015	
33	Email-14-02-SAK-IN-0033	Draft MOM No. 004	BV	SAK	January 25, 2015	
34	Email-14-02-SAK-IN-0034	Final MOM No. 004	BV	SAK	January 29, 2015	
35	Email-14-02-SAK-IN-0035	Progress Meeting No. 005_Agenda	USAID	SAK	February 5, 2015	
36	Email-14-02-SAK-IN-0036	Traffic Control Plan Area C	BV	SAK	February 11, 2015	



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Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and AI Safi
Booster Station - Phase I Pipeline Connection

INCOMING EMAILS LOG						
No.	DCN No.	Subject	From Organization	To Organization	Received Date	Comments
37	Email-14-02-SAK-IN-0037	Draft MOM No. 005	BV	SAK	February 12, 2015	
38	Email-14-02-SAK-IN-0038	Pre-cast manholes.	BV	SAK	February 16, 2015	
39	Email-14-02-SAK-IN-0039	Final MOM No. 005	BV	SAK	February 16, 2015	
40	Email-14-02-SAK-IN-0040	From Subject Received Size Categories Muwafaq AbuZeineh FW: CO key personnel approval 2/20/2015 390	USAID	SAK	February 19, 2015	
41	Email-14-02-SAK-IN-0041	Progress Meeting No. 006_Agenda	BV	SAK	February 22, 2015	
42	Email-14-02-SAK-IN-0042	Traffic Plan Area C Tue 2/24 85 KB	USAID	SAK	February 24, 2015	



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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

OUTGOING EMAILS LOG						
No.	DCN No.	Subject	From : Organization	To : Organization	Sent Date	Comments
1	Email-14-02-SAK-OUT-0001	TO-00002-14-UDSI Key Personnel	SAK	USAID	November 10, 2014	
2	Email-14-02-SAK-OUT-0002	AID-294-TO-14-00002 Subcontractors	SAK	USAID	November 10, 2014	
3	Email-14-02-SAK-OUT-0003	TO-14-02-UDSI Daily Joint Report	SAK	BV	November 11, 2014	
4	Email-14-02-SAK-OUT-0004	SUB-14-00002-UDSI-004-A (Submittal Schedule)	SAK	BV	November 12, 2014	
5	Email-14-02-SAK-OUT-0005	SUB-14-00002-UDSI-015-A (Engineer's Field Offices Layout)	SAK	BV	November 12, 2014	
6	Email-14-02-SAK-OUT-0006	TO-14-02-UDSI: Project Information	SAK	Building Center Lab	November 12, 2014	
7	Email-14-02-SAK-OUT-0007	TO-14-02-UDSI: Backfilling Test Report	SAK	Building Center Lab	November 13, 2014	
8	Email-14-02-SAK-OUT-0008	Introductory Meeting Minutes -Draft	SAK	USAID	November 15, 2014	
9	Email-14-02-SAK-OUT-0009	TO-14-02-UDSI: Daily Joint Report	SAK	BV	November 18, 2014	
10	Email-14-02-SAK-OUT-0010	TO-00002-14-UDSI: Key Personnel	SAK	USAID	November 20, 2014	
11	Email-14-02-SAK-OUT-0011	Request for Vetting - AVROT INDUSTRIES LTD	SAK	USAID	November 20, 2014	
12	Email-14-02-SAK-OUT-0012	Request for Vetting - Al Darb for Water, Irrigation and Sewage Supply LTD	SAK	USAID	November 20, 2014	
13	Email-14-02-SAK-OUT-0013	Request for Vetting - Jeddah Industries and Commercial Company	SAK	USAID	November 20, 2014	
14	Email-14-02-SAK-OUT-0014	Daily Joint Reports	SAK	BV	November 23, 2014	
15	Email-14-02-SAK-OUT-0015	RE:Request for Vetting - LIGHT Company	SAK	USAID	November 23, 2014	
16	Email-14-02-SAK-OUT-0016	Flyer	SAK	USAID	November 23, 2014	
17	Email-14-02-SAK-OUT-0017	RE: LIGHT EMCO for Vetting - part1/2	SAK	LIGHT EMCO Ltd	November 23, 2014	
18	Email-14-02-SAK-OUT-0018	Technical Meeting	SAK	BV	November 26, 2014	
19	Email-14-02-SAK-OUT-0019	Retract Sub # SUB-14-00002-UDSI-025-A	SAK	BV	December 2, 2014	



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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

OUTGOING EMAILS LOG						
No.	DCN No.	Subject	From : Organization	To : Organization	Sent Date	Comments
20	Email-14-02-SAK-OUT-0020	November Monthly Progress Report	SAK	USAID	December 5, 2014	
21	Email-14-02-SAK-OUT-0021	November Geo-MIS data	SAK	BV	December 7, 2014	
22	Email-14-02-SAK-OUT-0022	Vetting Request for A'amal Company	SAK	USAID	December 8, 2014	
23	Email-14-02-SAK-OUT-0023	Draft MOM No. 001	SAK	BV	December 13, 2014	
24	Email-14-02-SAK-OUT-0024	Key Personnel	SAK	USAID	December 15, 2014	
25	Email-14-02-SAK-OUT-0025	Al Safi Connection	SAK	PWA	December 16, 2014	
26	Email-14-02-SAK-OUT-0026	Cost Monthly Projections	SAK	USAID	December 18, 2014	
27	Email-14-02-SAK-OUT-0027	Cost Monthly Projections	SAK	USAID	December 18, 2014	
28	Email-14-02-SAK-OUT-0028	Key Personnel	SAK	USAID	December 20, 2014	
29	Email-14-02-SAK-OUT-0029	Mobilization Payment Check List	SAK	BV	December 22, 2014	
30	Email-14-02-SAK-OUT-0030	Draft Mobilization Payment	SAK	BV	December 24, 2014	
31	Email-14-02-SAK-OUT-0031	Traffic Plan Area C	SAK	BV	December 24, 2014	
32	Email-14-02-SAK-OUT-0032	TO-14-02-UDSI: Saturday Schedule	SAK	BV	December 24, 2014	
33	Email-14-02-SAK-OUT-0033	November Monthly Progress Report	SAK	BV	December 28, 2014	
34	Email-14-02-SAK-OUT-0034	Site Walkthrough at Saer Are	SAK	BV	December 28, 2014	
35	Email-14-02-SAK-OUT-0035	Rasl Al Taweel Project (Traffic Plan Area C)	SAK	DCL/Mgassan@zahav.net.il	December 29, 2014	
36	Email-14-02-SAK-OUT-0036	Water Sector Indicator 1 (2 Emails)	SAK	BV	December 29, 2014	
37	Email-14-02-SAK-OUT-0037	Ras AL-taweel Project Flyer	SAK	Bani Naim Municipality	December 30, 2014	
38	Email-14-02-SAK-OUT-0038	November Monthly Progress Report	SAK	USAID	January 3, 2015	



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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

OUTGOING EMAILS LOG						
No.	DCN No.	Subject	From : Organization	To : Organization	Sent Date	Comments
39	Email-14-02-SAK-OUT-0039	December Monthly Progress Report	SAK	USAID	January 5, 2015	
40	Email-14-02-SAK-OUT-0040	Upgrade of AutoCAD 2012 to 2015	SAK	Michael Younan' <gse@gsecc.com>	January 6, 2015	
41	Email-14-02-SAK-OUT-0041	Geo-MIS Reporting Data for December 2014	SAK	BV	January 6, 2015	
42	Email-14-02-SAK-OUT-0042	SAK to PWA Letters	SAK	BV	January 6, 2015	
43	Email-14-02-SAK-OUT-0043	Tax invoice for Progress Payment #01	SAK	USAID	January 7, 2015	
44	Email-14-02-SAK-OUT-0044	Al Safi Booster Station Gate Valves	SAK	BV	January 8, 2015	
45	Email-14-02-SAK-OUT-0045	November Monthly Progress Report	SAK	USAID	January 8, 2015	
46	Email-14-02-SAK-OUT-0046	CP training	SAK	BV	January 11, 2015	
47	Email-14-02-SAK-OUT-0047	Draft MOM No. 003	SAK	BV	January 12, 2015	
48	Email-14-02-SAK-OUT-0048	WBWD Bank Guarantee	SAK	BV	January 12, 2015	
49	Email-14-02-SAK-OUT-0049	Instrumentation Modifications 27 KB Outgoing	SAK	BV	January 13, 2015	
50	Email-14-02-SAK-OUT-0050	CPM Meeting	SAK	BV	January 14, 2015	
51	Email-14-02-SAK-OUT-0051	Bani Na'em Reservoir Flow control Valve	SAK	BV	January 14, 2015	
52	Email-14-02-SAK-OUT-0052	Saturday Schedule	SAK	BV	January 15, 2015	
53	Email-14-02-SAK-OUT-0053	Al Safi Booster Station Connection	SAK	BV	January 19, 2015	
54	Email-14-02-SAK-OUT-0054	: Permit Request	SAK	USAID	January 19, 2015	
55	Email-14-02-SAK-OUT-0055	Traffic Control Plan/Area C	SAK	BV	January 19, 2015	
56	Email-14-02-SAK-OUT-0056	Task Order #14-00002, Insurance Policies.	SAK	USAID	January 21, 2015	
57	Email-14-02-SAK-OUT-0057	Saturday Schedule	SAK	BV	January 22, 2015	



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**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

OUTGOING EMAILS LOG						
No.	DCN No.	Subject	From : Organization	To : Organization	Sent Date	Comments
58	Email-14-02-SAK-OUT-0058	Urgent Submittals	SAK	BV	January 26, 2015	
59	Email-14-02-SAK-OUT-0059	SCADA Works	SAK	BV	January 26, 2015	
60	Email-14-02-SAK-OUT-0060	Al Safi Booster Station Connection	SAK	BV	January 28, 2015	
61	Email-14-02-SAK-OUT-0061	Key Personnel	SAK	USAID	January 29, 2015	
62	Email-14-02-SAK-OUT-0062	Saturday Schedule	SAK	BV	January 29, 2015	
63	Email-14-02-SAK-OUT-0063	Retract- SUB-14-00002-UDSI-089-A	SAK	BV	January 31, 2015	
64	Email-14-02-SAK-OUT-0064	Start Excavation	SAK	BV	February 1, 2015	
65	Email-14-02-SAK-OUT-0065	Traffic Control Plan/Area C	SAK	BV	February 2, 2015	
66	Email-14-02-SAK-OUT-0066	December Monthly Progress Report	SAK	USAID	February 3, 2015	
67	Email-14-02-SAK-OUT-0067	Retract- SUB-14-00002-UDSI-114-A	SAK	BV	February 3, 2015	
68	Email-14-02-SAK-OUT-0068	Al Safi Booster Station Connection	SAK	BV/PWA	February 4, 2015	
69	Email-14-02-SAK-OUT-0069	Modified Monthly Progress Report, December 2014	SAK	USAID	February 4, 2015	
70	Email-14-02-SAK-OUT-0070	Retract- IR-14-00002-UDSI-006-A (Pressure Leakage Test	SAK	BV	February 5, 2015	
71	Email-14-02-SAK-OUT-0071	Saturday Schedule	SAK	BV	February 5, 2015	
72	Email-14-02-SAK-OUT-0072	January Monthly Progress Report	SAK	USAID	February 5, 2015	
73	Email-14-02-SAK-OUT-0073	Al Safi Booster Station Connection	SAK	BV	February 8, 2015	
74	Email-14-02-SAK-OUT-0074	Traffic Control Plan Area C	SAK	USAID	February 11, 2015	
75	Email-14-02-SAK-OUT-0075	Traffic Control Plan Area C	SAK	BV	February 11, 2015	
76	Email-14-02-SAK-OUT-0076	Saturday Schedule	SAK	BV	February 12, 2015	



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002



**Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
 Booster Station - Phase I Pipeline Connection**

OUTGOING EMAILS LOG						
No.	DCN No.	Subject	From : Organization	To : Organization	Sent Date	Comments
77	Email-14-02-SAK-OUT-0077	Retract- SUB-14-00002-UDSI-114-A	SAK	BV	February 17, 2015	
78	Email-14-02-SAK-OUT-0078	Saturday Schedule	SAK	BV	February 19, 2015	
79	Email-14-02-SAK-OUT-0079	Traffic Plan Area C (2 E-MAILS)	SAK	BV	February 22, 2015	
80	Email-14-02-SAK-OUT-0080	Traffic Plan Area C (2 E-MAILS)	SAK	BV	February 23, 2015	
81	Email-14-02-SAK-OUT-0081	Retract- IR-14-00002-UDSI-022-A	SAK	BV	February 24, 2015	
82	Email-14-02-SAK-OUT-0082	Al Safi Booster Station	SAK	BV	February 25, 2015	
83	Email-14-02-SAK-OUT-0083	Saturday Schedule	SAK	BV	February 26, 2015	



Annex H:

Geo-MIS Data



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM

CONTRACT NO. AID-294-I-13-00002

TASK ORDER NO. AID-294-TO-14-00002

TASK ORDER SHORT NAME. UDSI

Temporay Job Days Summary Report



Task Order Name: Project 1, Kas Al Jawee & Al Udeisa water infrastructure

Phase 1A and Al Safi

Booster Station - Phase

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Nov. 04, 2014

PERIOD TO: Feb.28, 2015

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Segregation By Gender		Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			Female	Male	
November	2014	69	64	51	53	22	259	11	18	241	
December	2014	81	81	101	97	209	569	24	27	542	
January	2015	73	87	157	101	229	647	27	38	609	
February	2015	72	116	265	146	190	789	33	46	743	
March	2015										
April	2015										
May	2015										
June	2015										
July	2015										
August	2015										
September	2015										
Total of FY 2015		295	348	574	397	650	2263	95	129	2134	
October	2015										
November	2015										
December	2015										
January	2016										
February	2016										
March	2016										
April	2016										
May	2016										
June	2016										
July	2016										
August	2016										
September	2016										
Total of FY 2016							0	0	0	0	

Note :

* No of Full Time Equivalent (FTE) Jobs in the Month = Total Job Days / Avg. Days in the Month(23.8)

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



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002
TASK ORDER SHORT NAME. UDSI
TEMPORARY JOB DAYS REPORT



Task Order Name: Project 1, Ras Al Taweel & Al 'Uddeisa Water
 Infrastructure Phase 1A and AI Safi

PERIOD FROM: Nov 04, 2014

PERIOD TO: Nov 30, 2014

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

DATE	Site Staff Job Days **																					
	Worker/Classification (Hours)													Man-days*					Gender			
	Management			Engineers				Skilled labor			Unskilled labor		Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Task Order Manager	Quality Control Manager	Safety & Envr. Manager	Project Engineer	Office Engineer (I)	CWI	Quality Control Engineer	Foreman	Skilled Labor	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Guard								
November 1, 2014															0	0	0	0	0	0	0	0
November 2, 2014															0	0	0	0	0	0	0	0
November 3, 2014															0	0	0	0	0	0	0	0
November 4, 2014	8	8	8	16		8									3	3	0	0	0	0	5	1
November 5, 2014	8	8	8	16		8									3	3	0	0	0	0	5	1
November 6, 2014	8	8	8	16		8									3	3	0	0	0	0	5	1
November 7, 2014															0	0	0	0	0	0	0	0
November 8, 2014	8	8	8	16		8					8				3	3	0	1	0	0	6	1
November 9, 2014	8	8	8	16		8		8			8				3	3	1	1	0	0	7	1
November 10, 2014	8	8	8	8	8	8		16			8				3	3	2	1	0	0	8	1
November 11, 2014	8	8	8	8	8	8		24			16				3	3	3	2	0	0	10	1
November 12, 2014	8	8	8	8		8		24			16				3	2	3	2	0	0	10	0
November 13, 2014	8	8	8	8		8		24			16				3	2	3	2	0	0	10	0
November 14, 2014															0	0	0	0	0	0	0	0
November 15, 2014	8	8	8	8		8		40			24				3	2	5	3	0	0	13	0
November 16, 2014	8	8	8	8		8		40			24				3	2	5	3	0	0	13	0
November 17, 2014	8	8	8	8		8		40			24				3	2	5	3	0	0	13	0
November 18, 2014	8	8	8	8	8	8		16			40	8	8		3	3	2	5	2	0	14	1
November 19, 2014	8	8	8	8	8	8		16			40	8	8		3	3	2	5	2	0	14	1
November 20, 2014	8	8	8	8	8	8		16			40	8	8		3	3	2	5	2	0	14	1
November 21, 2014															0	0	0	0	0	0	0	0
November 22, 2014	8	8	8	8	8	8		24			32	8	8		3	3	3	4	2	0	14	1
November 23, 2014	8	8	8	8	8	8		24			32	8	8		3	3	3	4	2	0	14	1
November 24, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
November 25, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
November 26, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
November 27, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
November 28, 2014															0	0	0	0	0	0	0	0
November 29, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
November 30, 2014	8	8	8	8	8	8		16			16	8	8		3	3	2	2	2	0	11	1
															0	0	0	0	0	0	0	0
Total of Month	184	184	184	224	104	184	0	0	408	0	0	424	88	88	69	64	51	53	22	241	18	

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM
 CONTRACT NO. AID-294-1-13-00002
 TASK ORDER NO. AID-294-TO-14-00002
 TASK ORDER SHORT NAME. UDSI



Task Order Name: Project 1, Kas Al Jaweei & Al Quddeisa water
 Infrastructure Phase 1A and Al Safi
 Renovation Station - Phase
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Dec 01, 2014
 PERIOD TO: Dec 31, 2014

Temporay Job Days Report

DATE	Site Staff Job Days **																					
	Worker/Classification (Hours)															Man-days*					Gender	
	Management			Engineers			Skilled labor				Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (I)	CWI	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Office Guard	Storage Guard							
December 1, 2014	8	8	8	8	8	8		16				24	8	8	0	3	3	2	3	2	12	1
December 2, 2014	8	8	8	8	8	8		16				24	8	8	0	3	3	2	3	2	12	1
December 3, 2014	8	8	8	8	8	8		16	4			32	8	8	0	3	3	3	4	2	14	1
December 4, 2014	8	8	8	8	8	8		16	4			32	8	48	0	3	3	3	4	7	19	1
December 5, 2014	0	0	0	0	0	0		0	0			0	0	48	0	0	0	0	0	6	6	0
December 6, 2014	8	8	8	8	8	8		16				32	8	48	0	3	3	2	4	7	18	1
December 7, 2014	8	8	8	8	8	8		16				32	8	48	0	3	3	2	4	7	18	1
December 8, 2014	8	8	8	8	8	8		16				32	8	48	0	3	3	2	4	7	18	1
December 9, 2014	8	8	8	8	8	8		16	2			32	8	48	0	3	3	2	4	7	18	1
December 10, 2014	8	8	8	8	8	8		16	8	0		24	8	48	0	3	3	3	3	7	18	1
December 11, 2014	8	8	8	8	8	8		16	8	12		24	8	48	0	3	3	5	3	7	20	1
December 12, 2014														48	0	0	0	0	0	6	6	0
December 13, 2014	8	8	8	8	8	8		16	8			24	8	48	0	3	3	3	3	7	18	1
December 14, 2014	8	8	8	8	8	8		16	8			24	8	48	0	3	3	3	3	7	18	1
December 15, 2014	8	8	8	8	8	8		16	8			24	8	48	0	3	3	3	3	7	18	1
December 16, 2014	8	8	8	8	8	8		16	8			24	8	48	0	3	3	3	3	7	18	1
December 17, 2014	8	8	8	8	8	8		16	8			24	8	48	0	3	3	3	3	7	18	1
December 18, 2014	8	8	8	8	8	8		16	8			24	8	72	0	3	3	3	3	10	21	1
December 19, 2014														72	0	0	0	0	0	9	9	0
December 20, 2014	8	8	8	8	8	8		16	8	8		24	8	72	0	3	3	4	3	10	22	1
December 21, 2014	8	8	8	8	8	8		16	8	2		24	8	72	0	3	3	3	3	10	21	1
December 22, 2014	8	8	8	8	8	8		24	8	10		32	8	72	0	3	3	5	4	10	24	1
December 23, 2014	8	8	8	8	8	8		24	8	10		32	16	24	15	3	3	5	4	7	21	1
December 24, 2014	8	8	8	8	8	8		24	8	10		32	16	24	15	3	3	5	4	7	21	1
December 25, 2014	8	8	8	8	8	8		32	8	16		40	8	15	15	3	3	7	5	5	22	1
December 26, 2014														24	15	0	0	0	0	5	5	0
December 27, 2014	8	8	8	8	8	8		24	8	11		32	16	24	15	3	3	5	4	7	21	1
December 28, 2014	8	8	8	8	8	8		24	8	16		32	16	24	15	3	3	6	4	7	22	1
December 29, 2014	8	8	8	8	8	8		24	8	16		32	16	24	15	3	3	6	4	7	22	1
December 30, 2014	8	8	8	8	8	8		24	8	12		32	16	24	15	3	3	6	4	7	21	1
December 31, 2014	8	8	8	8	8	8		24	8	10		32	16	24	15	3	3	5	4	7	21	1
Total of Month	216	216	216	216	216	216	0	512	152	143	0	776	272	1263	135	81	81	101	97	209	542	27

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO. AID-294-TO-14-00002
TASK ORDER SHORT NAME. UDSI
Temporay Job Days Report



Task Order Name: Project 1, Ras Al Taweel & Al 'Uddeisa Water
 Infrastructure Phase 1A and AI Safi
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Jan 01, 2015
 PERIOD TO: Jan 31, 2015

DATE	Site Staff Job Days **																								
	Worker/Classification (Hours)															Man-days*					Gender				
	Management			Engineers			Skilled labor					Unskilled labor		Other					Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	CWI	Foreman	Skilled Labor	Welder	Driver	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Office Guard	Storage Guard	Accountant								
January 1, 2015	8	8	8	8	8	8		24	8	8	2		32	16	24	15		3	3	5	4	7	21	1	
January 2, 2015															24	15		0	0	0	0	5	5	0	
January 3, 2015	8	8	8	8	8	8		24	8	8	3		32	16	24	15		3	3	5	4	7	21	1	
January 4, 2015	8	8	8	8	8	8		24	16	8	3		32	16	24	15	8	3	3	6	4	8	23	1	
January 5, 2015	8	8	8	8	8	8		24	16	8	2		32	16	24	15	8	3	3	6	4	8	23	1	
January 6, 2015	8	8	8	8	8	8		24	16	8	2		32	16	24	15	8	3	3	6	4	8	23	1	
January 7, 2015	8	8	8	8	8	8		0	0	8	0		0	16	24	15	8	3	3	1	0	8	14	1	
January 8, 2015															24	24		0	0	0	0	6	6	0	
January 9, 2015															24	24		0	0	0	0	6	6	0	
January 10, 2015	8														24	24	8	1	0	0	0	7	8	0	
January 11, 2015	8	8	8	8	8	8		24	16	8	0		32	16	24	15	8	3	3	6	4	8	23	1	
January 12, 2015	8	8	8	8	8	8		24	16	8	0		32	16	24	15	8	3	3	6	4	8	23	1	
January 13, 2015	8	8	8	8	8	8		24	16	8	0		32	16	24	15	8	3	3	6	4	8	23	1	
January 14, 2015	8	8	8	8	8	8		24	16	8	4		32	16	24	15	8	3	3	7	4	8	23	1	
January 15, 2015	8	8	8	8	16	8		24	16	16	8		32	16	24	15	8	3	4	8	4	8	25	2	
January 16, 2015															24	24		0	0	0	0	6	6	0	
January 17, 2015	8	8	8	8	16	8		16	16	16	8		40	16	24	15	8	3	4	7	5	8	25	2	
January 18, 2015	8	8	8	8	16	8		16	16	16	8		40	16	24	15	8	3	4	7	5	8	25	2	
January 19, 2015	8	8	8	8	16	8		16	16	16	8		40	16	24	15	8	3	4	7	5	8	25	2	
January 20, 2015	8	8	8	8	16	8		16	16	16	10		40	16	24	15	8	3	4	7	5	8	25	2	
January 21, 2015	8	8	8	8	16	8		16	16	16	17		40	16	24	15	8	3	4	8	5	8	26	2	
January 22, 2015	8	8	8	8	16	8		16	16	16	10		40	16	24	15	8	3	4	7	5	8	25	2	
January 23, 2015															24	24		0	0	0	0	6	6	0	
January 24, 2015	8	8	8	8	16	8		16	16	16	8		40	16	24	15	8	3	4	7	5	8	25	2	
January 25, 2015	8	8	8	8	16	8		16	16	16	8		40	16	24	15	8	3	4	7	5	8	25	2	
January 26, 2015	8	8	8	8	16	8		16	16	16	0		32	16	24	15	8	3	4	6	4	8	23	2	
January 27, 2015	8	8	8	8	16	8		16	16	16	0		32	16	24	15	8	3	4	6	4	8	23	2	
January 28, 2015	8	8	8	8	16	8		16	16	16	3		32	16	24	15	8	3	4	6	4	8	23	2	
January 29, 2015	8	8	8	8	16	8		16	16	16	3		32	16	24	15	8	3	4	6	4	8	23	2	
January 30, 2015															24	24		0	0	0	0	6	6	0	
January 31, 2015	8	8	8	16	16	8		16	16	16	48		40	16	24	15	8	3	5	12	5	8	31	2	
Total of Month	200	192	192	200	304	192	0	448	352	304	155	0	808	384	744	519	184	73	87	157	101	229	609	38	

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
 LOCAL CONSTRUCTION PROGRAM
 CONTRACT NO. AID-294-I-13-00002
 TASK ORDER NO. AID-294-TO-14-00002
 TASK ORDER SHORT NAME. UDSI
 Temporary Job Days Report



Task Order Name: Project 1, Ras Al Taweel & Al 'Uddeisa Water
 Infrastructure Phase IA and AI Safi
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Feb 01, 2015
 PERIOD TO: Feb 28, 2015

DATE	Site Staff Job Days **																Man-days*					Gender		
	Worker/Classification (Hours)														Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female			
	Management			Engineers			Skilled labor				Unskilled labor		Other											
Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	CWI	Foreman	Skilled Labor	Welder	Driver	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Office Guard	Storage Yard Guard	Accountant								
February 1, 2015	8	8	8	16	16	8	0	16	16	16	23	0	40	16	24	15	8	3	5	9	5	8	28	2
February 2, 2015	8	8	8	16	16	8	0	16	16	16	19	0	48	16	24	15	8	3	5	8	6	8	28	2
February 3, 2015	8	8	8	16	16	8	0	16	16	16	1	0	48	16	24	15	0	3	5	6	6	7	25	2
February 4, 2015	8	8	8	16	16	8	0	24	16	16	3	0	48	16	24	15	0	3	5	7	6	7	26	2
February 5, 2015	8	8	8	16	16	8	0	24	16	16	3	0	48	16	24	15	0	3	5	7	6	7	26	2
February 6, 2015	0	10	0	0	0	0	0	32	0	0	0	0	0	24	24	0	1	0	4	0	6	11	0	0
February 7, 2015	12	8	12	16	16	12	0	72	24	36	132	0	96	24	24	15	0	4	6	33	12	8	60	2
February 8, 2015	8	8	8	16	16	8	0	24	16	24	44	0	48	16	24	15	0	3	5	14	6	7	32	2
February 9, 2015	8	8	8	16	16	8	0	24	16	24	51	0	48	16	24	15	0	3	5	14	6	7	33	2
February 10, 2015	8	8	8	16	16	8	0	24	16	24	54	0	48	16	24	15	0	3	5	15	6	7	34	2
February 11, 2015	8	8	8	16	16	8	0	24	16	32	10	0	48	16	24	15	0	3	5	10	6	7	29	2
February 12, 2015	8	8	8	16	16	8	0	24	16	32	2	0	40	16	24	15	0	3	5	9	5	7	27	2
February 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	0	0	0	0	0	6	6	0	0
February 14, 2015	0	8	8	16	16	8	0	24	16	16	0	0	48	16	24	15	0	2	5	7	6	7	25	2
February 15, 2015	8	8	8	16	16	8	0	24	32	16	38	0	64	16	24	15	0	3	5	14	8	7	35	2
February 16, 2015	8	8	8	16	16	8	0	24	32	16	27	0	64	16	24	15	0	3	5	12	8	7	33	2
February 17, 2015	8	8	8	16	16	8	0	24	32	16	46	0	64	16	24	15	0	3	5	15	8	7	36	2
February 18, 2015	8	8	8	16	16	8	0	24	16	16	15	0	32	16	24	15	0	3	5	9	4	7	26	2
February 19, 2015	8	8	8	16	16	8	0	16	24	8	3	0	16	16	24	15	0	3	5	6	2	7	21	2
February 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	0	0	0	0	0	6	6	0	0
February 21, 2015	8	8	0	0	0	0	0	8	8	8	0	0	8	0	24	15	0	2	0	3	1	5	11	0
February 22, 2015	8	8	8	16	16	8	0	24	32	8	0	0	40	16	24	15	0	3	5	8	5	7	26	2
February 23, 2015	8	8	8	16	16	8	0	24	32	8	16	0	48	16	24	15	0	3	5	10	6	7	29	2
February 24, 2015	8	8	8	16	16	8	0	24	32	8	48	0	48	16	24	15	0	3	5	14	6	7	33	2
February 25, 2015	8	8	8	16	16	8	0	24	32	8	12	0	48	16	24	15	0	3	5	10	6	7	28	2
February 26, 2015	8	8	8	16	16	8	0	24	32	8	10	0	64	16	24	15	0	3	5	9	8	7	30	2
February 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	0	0	0	0	0	6	6	0	0
February 28, 2015	8	8	8	16	16	8	0	24	32	8	21	0	64	16	24	15	0	3	5	11	8	7	32	2
Total of Month	188	202	188	368	368	188	0	608	536	396	578	0	1168	376	672	456	16	72	116	265	146	190	743	46

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



Annex I:

Risk Register

None encountered to date



Annex J:

Project Updated Schedule

Updated Narrative Report

1. Task Order Overview:

1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Water Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects. This project is the first water project under Local Construction Program (LCP).

1.2. Project Objective

The objective of this task order is to improve water supply distribution capacity and flexibility in the West Bank Water Department's (WBWD) southern area of operations. Specifically the project will improve distribution of water from the Halhul Reservoir and improve supply to Bani Naim and Yatta.

1.3. Statement Of Work

- Installation of approximately 5 km of 500-mm diameter steel pipe transmission main from Halhul connection to Bani Naim connection along the Bani Naim – Sair – Al-'Uddeisa Road.
- Installation of approximately 5 km of 150-mm diameter steel pipe supply pipeline.
- Installation of related accessories including a service connection to Bani Naim Reservoir and three flow meter vaults.
- Construction of emergency service connections at Ras at Tawil & Al 'Uddeisa villages.
- Installation of 16-inch yard-pipe connection from an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
- Installation of related accessories at the Al Safi Booster Station including valves, and minor electrical/SCADA improvements.

1.4. Overview Map

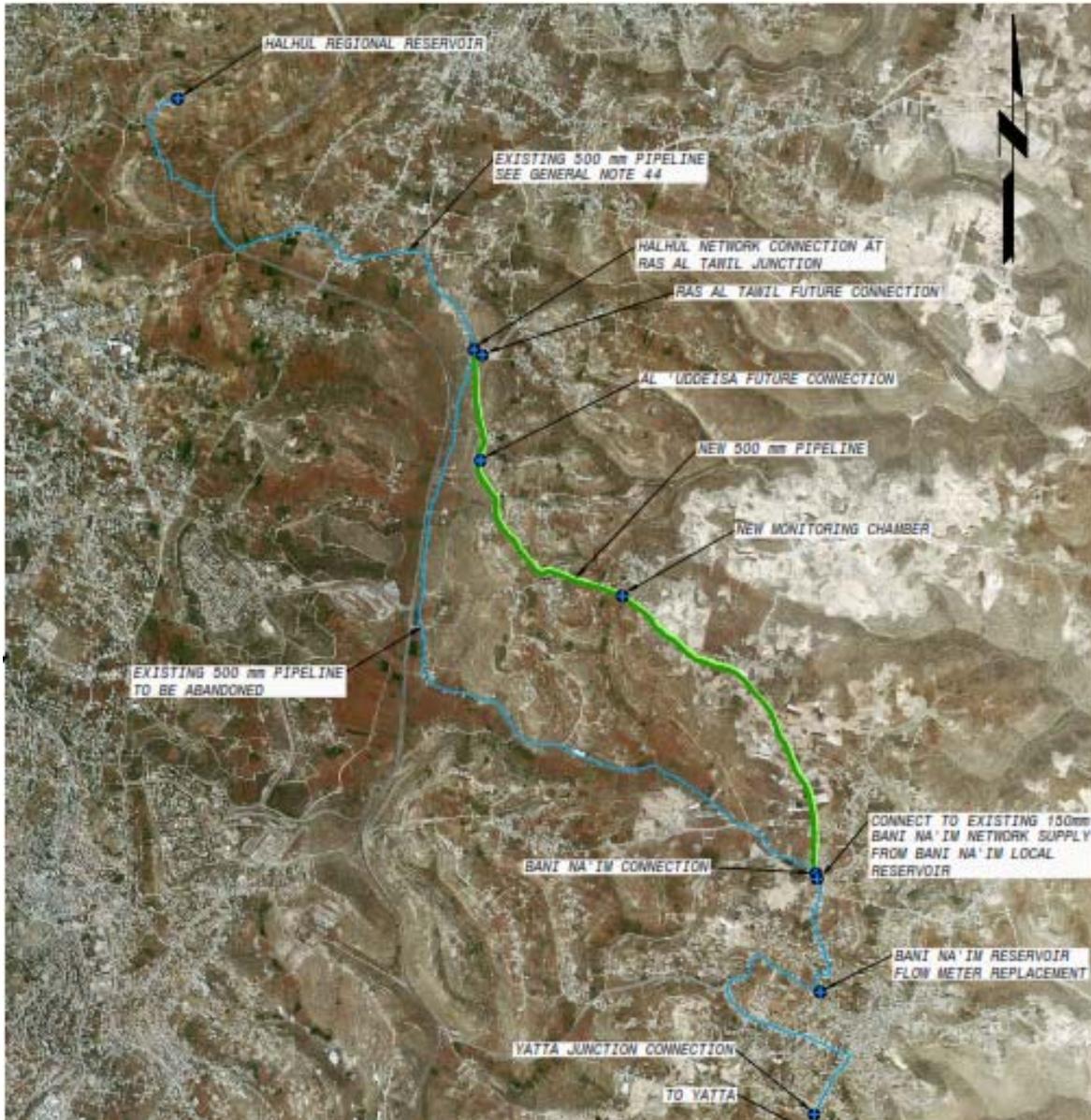
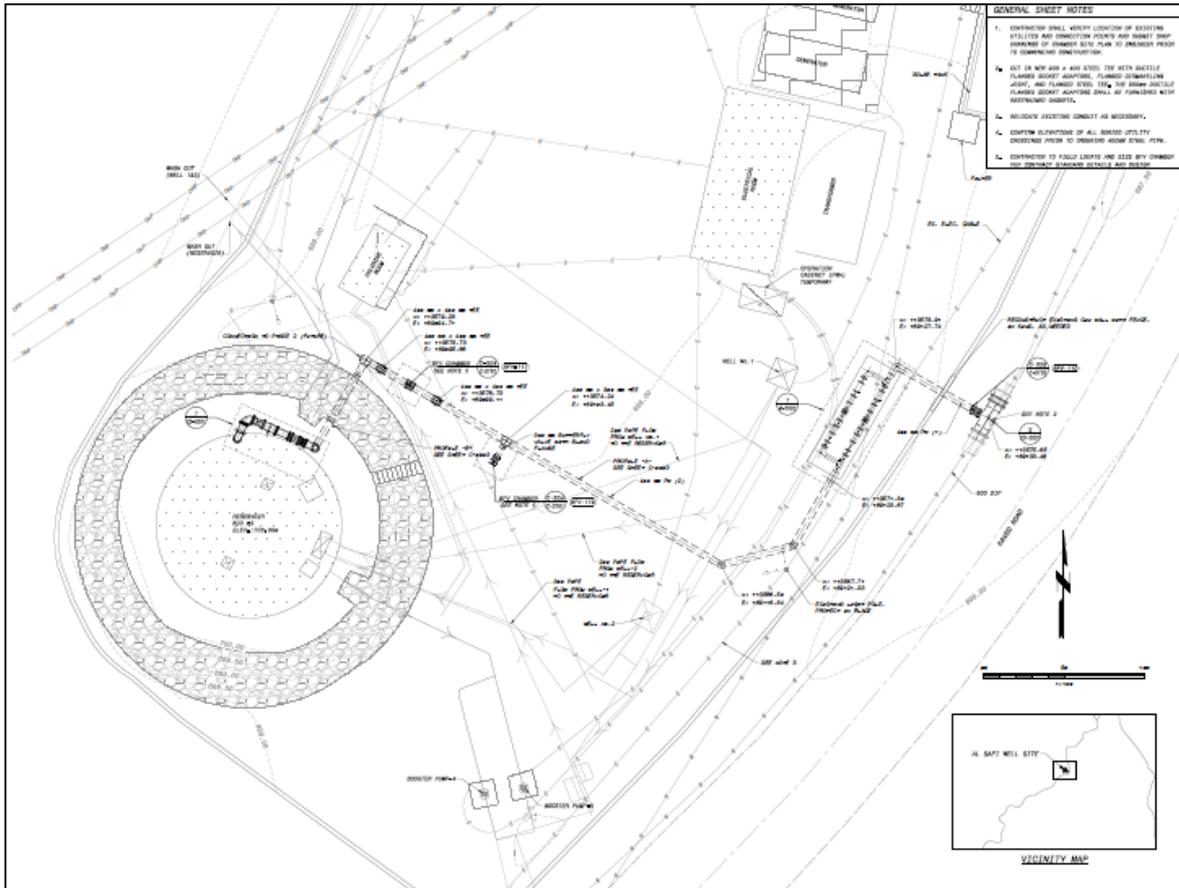


Figure 1: RAS AL TAWIL & AL 'UDEISA WATER INFRASTRUCTURE PHASE 1A



Figure 2: AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION



2. Task Order Key Data

Task Order Name	RAS AL TAWIL & AL 'UDDEISA WATER INFRASTRUCTURE PHASE 1A AND AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION
Contract Number	AID-294-I-13-00002
Task Order Number	AID-294-TO-14-00002
Owner	Palestinian Water Authority (PWA)
Client	USAID West Bank and Gaza
Contractor	Saqqa and Khoudary Co. Ltd. (SAK)
CMC	Black and Veatch (BV)
Task Order Contract Value	\$4,462,836.00
Project Total Amount	\$4,242,836.00
Day work amount	\$220,000.00
Modified Project Total Amount	---
Modified Day work Amount	---
Notice To Proceed	November 04, 2014
Period Of Performance	360 calendar day
Contractual Completion Date	October 29, 2015
Approved Time Extensions	---
Modified Completion Date	---
Start of Construction (Ground Breaking)	---

3. Contract Milestones:

The contractual milestones are:

Start Milestone - Notice to Proceed: November 04, 2014

Finish Milestone - Project Completion: October 29, 2015

4. Permits

The following permits have been obtained for the work under this Task Order.

- ✓ Israeli Civil Administration (ICA) Construction Permit
- ✓ Palestinian Water Authority (PWA) Construction Permits.

5. Project Construction Area

- The project construction area distributed between Areas A, B and C. Therefore; Saqqa and Khoudary will implement a proactive performance of any and all coordination needed with the District Civil Liaison Office (DCL), Civil Administration Departments, Ma'atz (Israeli National Roads Company), the Israeli Police and any other relevant authority or utility that has jurisdiction over any portion of the construction works (work Segment from Station 3+880 to Station 5+597). Coordination includes, but is not limited to, any work needed to obtain approvals; coordinating the movement of personnel, equipment and materials to and from the project site; and any other coordination required by the relevant authorities to ensure no hindrance of the scheduled completion of the project in a timely manner.

- Time Schedule was built and coordinated with the traffic control plan, method statement and site restrains.
- The portion of work that is located within area C is work Segment from Station 3+880 to Station 5+597).

6. Traffic Control Plan

The Original CPM Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

Saqqa and Khoudary - SAK will implement the approved traffic control plan prior to starting any work in the road right-of-way/easement and the traffic control plan and safety measures will be maintained during construction activities.

7. Safety Program:

Saqqa and Khoudary will post OSHA-required notices and establish safety programs prior to starting any work as per the approved safety plan and stated in section C.9.2 of basic IQC Contract; protect life, property and the environment with respect to all work performed under this IQC.

8. Period of Performance

The period of performance for this project **'RAS AL TAWIL & AL 'UDEISA WATER INFRASTRUCTURE PHASE 1A AND AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION'** under this Task Order is 360 calendar days from the date of USAID's issuance of the Notice to Proceed (NTP) to the date of project completion and acceptance by USAID.

1. Task Order Constraints

All schedule constraints were incorporated in the preliminary schedule as required in executed task order section F5.

Activity Name	Constraint
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit Safety Plan	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 45 days after issuance of NTP

9. SAK General approach and Work Plan

Saqqa and Khoudary will execute and perform the aforementioned task order through its own resources and equipment.

SAK will use the CPM scheduling technique to plan, schedule, and tracking and control the performance of work prior, during, and after construction period of the project.

The Original Baseline Schedule comprise all the detailed construction-related activities using the critical path method (CPM). The Schedule provide sufficient detail and clarity to reflect the intricacies and interdependencies of activities so SAK can plan, schedule, monitor, control and report on the progress of his work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.

The original CPM Schedule show detailed construction-related activities for the entire project including preconstruction, construction and post construction Phase, which consist of mobilization, permit acquisition, submittals necessary for material and equipment procurement, submittals necessary for long lead equipment procurement, shop drawing and method statement submittals. In addition to the required activities for commissioning, training and start up.

Saqqa and Khoudary establish the original schedule as follows:

- The project was divided in to three main phases; Preconstruction Phase, Construction Phase and Post Construction phase, in addition to the general and intermediate milestones.
- The **Preconstruction Phase** consist the following:
 - List of Preconstruction Submittals activities that will be submitted during the mobilization period and prior to commencement of any construction activities.
 - List of mobilization activities that will be completed during the initial 30 days after Notice to Proceed (NTP).
 - Coordination activities were scheduled to start immediately after NTP.
- The **Construction Phase** consist the following activities:
 - Construction submittals that include material submittals activities for long lead items including 500mm pipes and fittings, Construction shop drawing submittals activities for pipelines and chambers, and construction method statement submittals.
 - Procurement activities are planned to be started immediately following approval of long lead items submittals.
 - Execution activities for the two project component
 - Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A
 - Al Safi Booster Station – Phase I Pipeline Connection
 - Training, commissioning and start up activities
- The **Post Construction Phase** consist the following activities:
 - Post Construction submittals that include warranties, operation and maintenance manual submittals activities.

For more details, please refer to the original Baseline schedule WBS.

10. Work Breakdown Structure WBS:

WBS Code	WBS Name
TO 14-02-UDSI-BL	Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Stat
TO 14-02-UDSI-BL.1	Milestones
TO 14-02-UDSI-BL.1.1	General Milestones
TO 14-02-UDSI-BL.1.2	Intermediate Milestones
TO 14-02-UDSI-BL.2	PreConstruction Phase
TO 14-02-UDSI-BL.2.MOB	Mobilization
TO 14-02-UDSI-BL.2.2	PreConstruction Submittals
TO 14-02-UDSI-BL.2.1	Traffic Control Plan, Coordination and Permits
TO 14-02-UDSI-BL.3	Construction Phase
TO 14-02-UDSI-BL.3.1	Construction Submittals
TO 14-02-UDSI-BL.3.1.1	Shopdrawing submittals
TO 14-02-UDSI-BL.3.1.1.1	Water Pipeline Shopdrawing
TO 14-02-UDSI-BL.3.1.1.1.1	500mm, 150mm and 80mm Pipes
TO 14-02-UDSI-BL.3.1.1.1.2	Connect to the existing
TO 14-02-UDSI-BL.3.1.1.2	Chambers Shopdrawing
TO 14-02-UDSI-BL.3.1.1.2.1	Gate Valve Chambers
TO 14-02-UDSI-BL.3.1.1.2.2	AVAR Chambers
TO 14-02-UDSI-BL.3.1.1.2.3	WO Washout Chambers
TO 14-02-UDSI-BL.3.1.1.2.4	BFV Chambers
TO 14-02-UDSI-BL.3.1.1.2.5	Flow Meter Monitoring chamber
TO 14-02-UDSI-BL.3.1.1.2.6	Connection Chambers
TO 14-02-UDSI-BL.3.1.1.2.7	Check Valve Chambers
TO 14-02-UDSI-BL.3.1.1.5	Civil Shopdrawing
TO 14-02-UDSI-BL.3.1.1.3	Al-Safi Shopdrawing
TO 14-02-UDSI-BL.3.1.2	Material Submittals
TO 14-02-UDSI-BL.3.1.2.1	Mechanical Material Submittals
TO 14-02-UDSI-BL.3.1.2.2	Civil Material Submittals
TO 14-02-UDSI-BL.3.1.2.3	Electrical Material Submittals
TO 14-02-UDSI-BL.3.1.3	Method Statement
TO 14-02-UDSI-BL.3.1.4	Miscellaneous
TO 14-02-UDSI-BL.3.5	Procurement
TO 14-02-UDSI-BL.3.5.1	Procurement of Mechanical Pipes and Fittings
TO 14-02-UDSI-BL.3.5.2	Procurement of Electrical Materials
TO 14-02-UDSI-BL.3.2	Execution
TO 14-02-UDSI-BL.3.2.1	Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A
TO 14-02-UDSI-BL.3.2.1.3	Yatta Junction Traffic Control
TO 14-02-UDSI-BL.3.2.1.3.6	Yatta Junction and Bani Naim Reservoir Service Connection
TO 14-02-UDSI-BL.3.2.1.3.7	Testing of Existing Pipeline
TO 14-02-UDSI-BL.3.2.1.12	Phase 1
TO 14-02-UDSI-BL.3.2.1.12.1	Pipeline segment from Station 1+000 to station 2+000
TO 14-02-UDSI-BL.3.2.1.12.1.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.12.1.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1	Phase 2
TO 14-02-UDSI-BL.3.2.1.1.2	Pipeline segment from Station 2+000 to station 3+000
TO 14-02-UDSI-BL.3.2.1.1.2.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.2.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1.3	Pipeline segment from Station 3+000 to station 4+000
TO 14-02-UDSI-BL.3.2.1.1.3.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.3.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.2	Phase 3
TO 14-02-UDSI-BL.3.2.1.2.4	Pipeline segment from Station 4+000 to station 5+000
TO 14-02-UDSI-BL.3.2.1.2.5	Pipeline segment from Station 5+000 to station 5+597
TO 14-02-UDSI-BL.3.2.1.8	Mechanical Electrical installation
TO 14-02-UDSI-BL.3.2.1.9	Reinstatement and Road Work
TO 14-02-UDSI-BL.3.2.1.11	Miscellaneous
TO 14-02-UDSI-BL.3.2.1.10	Testing, Training and Commissioning
TO 14-02-UDSI-BL.3.2.2	Al Safi Booster Station – Phase I Pipeline Connection
TO 14-02-UDSI-BL.3.2.2.1	Civil and Mechanical Work
TO 14-02-UDSI-BL.3.2.2.2	SCADA Programming
TO 14-02-UDSI-BL.3.2.2.3	Testing, Training and Commissioning
TO 14-02-UDSI-BL.4	Post Construction Phase
TO 14-02-UDSI-BL.4.1	Post Construction Submittals

11. Work Groups and Crews:

The construction work plan was established based on the following work groups and crews:

Works will be divided into 2 groups (multiple crews):

1. Group 1: Transmission Pipelines group

This work group will be responsible of all execution activities related to the installation of main and distribution pipelines and chambers including but not limited to; excavation, bedding, installation of water pipelines, backfilling, testing, construction of chambers, the list of work crews within this group and productivity rate are as follows:

- ✓ Testing for existing 500 mm DIP pipeline crew.
- ✓ Excavation, Bedding and Backfilling crew: 50-70 linear meters per day.
- ✓ Pipeline installation crew (500mm) including cathode protection and required testing during installation: 40-50 linear meters per day.
- ✓ Cast in-situ concrete chamber crew: 4-5 chambers per month
- ✓ Precast Concrete chamber: available as required.
- ✓ Concrete encasement crew: available as required.
- ✓ Road work crew:

This crew will be responsible of all road and reinstatement activities; including excavation, filling horizontal layer, spreading and compaction of sub base layers, spreading and compaction of base course layers, Supplying, spreading and compacting bituminous wearing course, concrete work and road marking.

- Sub Base crew: 1000 – 1200 m² per day
- Base course crew: 1000 – 1200 m² per day
- Asphalts restoration crew: 150 - 200 linear meters per day for trench asphalt restoration.
- Asphalt Crew: 2000 – 2200 m² of 50mm asphalt per day

2. Group 2: Instrumentations and SCADA

This work group will be responsible for all Instrumentation and SCADA system requirements

Note: the activity “E-M-01: Installation of all mechanical fittings and valves for Chambers - Phase 1” is for installation of mechanical and electrical component at chambers located within segment 1 and segment 2 from station 1+000 to Station 3+000 in addition to Yatta junction chambers and Bani Naim Chamber.

The activity “E-M-02: Installation of all mechanical fittings and valves for Chambers - Phase 2” is for installation of mechanical and electrical component at the remaining chambers from station 3+000 to Station 5+597

For more details regarding the Work Crews, Manpower and Equipment for each crew please refer to below table:

Table-2: Resources (Manpower and Equ

Work Activity	Prime Contractor/Subcontractor	Crew or number of crew	Manpower										Equipment (All Crews)																		
			Foreman	Surveyor	Operator/Driver	Carpenter	Steel Fixer	Steel Welder	Pipe Fitter	Technician or Skilled Labor	Unskilled Labor/Flagman	Survey Station	Saw Cut Machine	Trencher	Excavator C-330/C-350	Backhoe JCB	Crane	Bobcat	Wheel Loader	Dump Truck	Grader	120/or St. Small Compactor	Roller	Water Tank	Water Pump / Weld Testing Equipment	Concrete Mixer & Pump	Sprayer Truck	Finisher	Welding Machine	Testing Apparatus	
Asphalt/Road Reinstatement																															
Asphalt/Road Reinstatement	SAK	1			5					4	5				2			1						1	1	1				1	1
Group 2																															
Electro-mechanical Works																															
Instrumentations & SCADA works	SAK	1								3	2																				1

12. Sequence of work and logic Network:

- ✓ Based on the above-mentioned work groups and crews and the task order scope of work, the construction related activities was planned and sequence to minimize public disruption and to complete the project with the time frame.
- ✓ The execution activities were scheduled to be started following approval and implementation of traffic control plan and safety measures.
- ✓ The execution activities will be started following arrival of material and approval of all related construction submittals.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.
- ✓ The project work will be divided into two separate work packages; one for installation of Ras Al Taweel & Al 'Uddeisa transmission pipeline and chambers, and another one for construction of Al Safi Booster Station – Phase I Pipeline Connection.
- ✓ The initial construction activities during the procurement process will be on the following items:
 - Al-Safi Connection: A 16-inch yard-pipe connection from an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
 - Testing of the existing 500mm pipeline.
 - Construction of Yatta Junction and Bani Naim Chambers.
- ✓ The work group of Ras Al Taweel & Al 'Uddeisa transmission pipeline and chambers will start work following delivery of 20" pipes and will start construction activities from Area A, at station 1+000 to allow sufficient time for coordination and approval of traffic control plan form Israeli authority at area B and C.
- ✓ The Group of work for construction of Al Safi Booster Station – Phase I Pipeline Connection will be started during the winter season to perform the 16-inch yard-pipe connection with an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
- ✓ The critical activities of the project passes through the submission and approval of long lead material items including 500mm pipes and fittings, procurement of such material and installation of 500mm pipes and fittings.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.

13. Original Critical Path activities

Critical Activities.....40

Activity:	E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1
Activity:	E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2
Activity:	E-S-145	Site inspection/ Support/ Start up (Pre-commissioning)
Activity:	E-S-150	Training
Activity:	E-S-174	Testing and Commissioning of the entire system
Activity:	PCS1000	Warranties
Activity:	PCS1010	Site Hand over and Final Acceptance Certificate
Activity:	PCS1060	Release of Liens and Waiver of Debts and Claims letter
Activity:	PCS1070	Preparation of Final Payment
Activity:	PCS1080	Training Completion Documents
Activity:	PCS1090	Clearance Certificate from Local Authorities
Activity:	PRO-1031	Order of Mechanical electrical fittings
Activity:	PRO-1032	Manufacturing of Mechanical and electrical fittings
Activity:	PRO-1035	Delivery of Mechanical and electrical fittings
Activity:	UDS-A-001	Notice to Proceed (NTP)
Activity:	UDS-A-011	Completion of Task Order
Activity:	UDS-EMS-10	Prep. & Sub. Pressure differential switches
Activity:	UDS-EMS-50	Prep. & Sub. Pressure Transmitters
Activity:	UDS-EMS-60	Prep. & Sub. Magnetic flow-meters
Activity:	UDS-IA-02	Finish of Mobilization
Activity:	UDS-IA-03	Start of Pre-Construction Submittals
Activity:	UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes
Activity:	UDS-MMS-020	Prep. & Sub. Butterfly Valve
Activity:	UDS-MMS-030	Prep. & Sub. Gate Valve
Activity:	UDS-MMS-040	Prep. & Sub. Combination Air Valve
Activity:	UDS-MMS-050	Prep. & Sub. Check Valve
Activity:	UDS-MMS-060	Prep. & Sub. Flow Control Valve
Activity:	UDS-MMS-070	Prep. & Sub. Pressure Relief Valve
Activity:	UDS-MMS-080	Prep. & Sub. Strainer
Activity:	UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve
Activity:	UDS-MMS-110	Prep. & Sub. Dismantling joints
Activity:	UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters
Activity:	UDS-MMS-140	Prep. & Sub. Float (level) control valves
Activity:	UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers
Activity:	UDS-MMS-180	Prep. & Sub. Flanges
Activity:	UDS-MMS-180-RA	Review & Approval of Flanges
Activity:	UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments
Activity:	UDS-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout
Activity:	UDS-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous
Activity:	UDS-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous

14. Revised Critical Path activities

Critical Activities.....	19
Activity: E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2
Activity: E-R530	Exc., Bed. Install. And Backfill. Dual trench 500 & 150mm pipelines 4+000 to ST 5+000 include. Cathode Protection Install
Activity: E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110
Activity: E-R550	Construction of 80mm Gate Valve chamber at station 4+110
Activity: E-R590	Construction of 80mm Gate Valve chamber at station 4+450
Activity: E-R630	Construction of 80mm Gate Valve chamber at station 4+585
Activity: E-R730	Construction of 80mm Gate Valve chamber at station 5+000
Activity: E-S-145	Site inspection/ Support/ Start up (Pre-commissioning)
Activity: E-S-150	Training
Activity: E-S-174	Testing and Commissioning of the entire system
Activity: PCS1000	Warranties
Activity: PCS1010	Site Hand over and Final Acceptance Certificate
Activity: PCS1060	Release of Liens and Waiver of Debts and Claims letter
Activity: PCS1070	Preparation of Final Payment
Activity: PCS1080	Training Completion Documents
Activity: PCS1090	Clearance Certificate from Local Authorities
Activity: UDS-A-011	Completion of Task Order
Activity: UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals
Activity: UDS-PC-SUB-40-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. Sta. 3+880 to Sta. 5+597 (Area C)

15. Scheduling assumptions

15.1. Project Constraint:

All schedule constraints were incorporated in the original CPM schedule as required in executed task order section F5.

Activity Name	Constraint
Start Milestone - Notice to Proceed	November 04, 2014
Finish Milestone - Project Completion:	October 29, 2015
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after issuance of Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit Safety Plan	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 45 days after issuance of NTP

15.2. Activity Codes:

A: General Milestone
 IA: Intermediate Milestone
 MOB: Mobilization
 PC-SUB: Preconstruction Submittals
 R&A: Review and Approval
 COR: Coordination activities
 CS: Construction Submittals
 MMS: Mechanical Material Submittals
 CMS: Civil Material Submittals
 EMS: Electrical Material Submittals
 MS: Method Statement submittals
 MIS: Miscellaneous
 PRO: Procurement
 E: Execution activities
 PCS: Post Construction Submittals

15.3. Calendars:

Three types of calendars were used for the original CPM schedule as follows:

- 7-Day Workweek (without holidays): for Milestones activities

- Working Days: 7 days / week.
- Working Hours: 8 hours / day.
- UDSI - 6 Day Work: for Contractor's activities:
 - Working Days: 6 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday
 - Including local holidays listed below.
 - Including rainy days listed below.
- UDSI - 5 Day Work: for Engineer's activities:
 - Working Days: 5 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday and Saturday.
 - Including local holidays listed below.
- Working Hours (Normal): 8 hours / day,
- Working Hours during month of Ramadan: Saturday – Thursday, 5 hours / day,

During the Ramadan period, the Governmental Authorities, utility agencies, and many other organizations work short hours, normally from 9:00 a.m. to 2:00 p.m. (unless otherwise announced by the Palestinian Government). Traffic patterns change at this time. SAK will accommodate and revise their operations during this period according to their actual working hour requirements.

- Official Palestinian Holidays:
 - ✓ November 15, 2014: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2014: Christmas Day (Western calendar).
 - ✓ January 01, 2015: National Day
 - ✓ April 12, 2015: Easter Day (Eastern)
 - ✓ May 01, 2015: Labor Day (International)
 - ✓ July 18 to July 20, 2015: Eid al-Fitr (Feast of Breaking the Fast)
 - ✓ September 23 to September 27, 2015: Eid al-Adha (Feast of the Sacrifice)
 - ✓ November 15, 2015: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2015: Christmas Day (Western calendar).
 - ✓ Any public holiday that falls on a Friday will be taken on a Thursday but if that Thursday is part of the holiday then the preceding non-holiday day will be taken instead
 - ✓ Any public holiday that falls on a Saturday (for UDSI - 5 Day Work) will be taken on a Sunday but if that Sunday is part of the holiday then the following non-holiday day will be taken instead

- Weather Delays:

The project geographic area has a rainy weather season. SAK is familiar with local climatological conditions and adjust the schedule accordingly. The weather data will be obtained during construction from a reputable source and will be reported on the daily joint reports. The CPM schedule includes 12 days of delay in accordance with FAR 52.236-3.

- ✓ Two days during November 2014: November 23 and 24, 2014.
- ✓ Two days during December 2014: December 15 and 16, 2014.
- ✓ Five days during January 2015: January 3, 4, 7, 8, and 10, 2015.
- ✓ Two days during February 2015: February 5, 7, 2015.
- ✓ One day during March 2015: March 5, 2015.

- Actual Rainy Days

Date	Weather
Saturday, January 03, 2015	Rain
Sunday, January 04, 2015	Rain
Wednesday, January 07, 2015	Rain/Snow
Thursday, January 08, 2015	Snow
Friday, January 09, 2015	Snow
Saturday, January 10, 2015	Rain
Sunday, January 11, 2015	Rain
Thursday, January 15, 2015	Rain
Friday, January 16, 2015	Rain
Friday, February 13, 2015	Rain
Wednesday, February 18, 2015	Rain
Thursday, February 19, 2015	Snow
Friday, February 20, 2015	Snow
Saturday, February 21, 2015	Snow

15.4. Duration Estimates:

The activities included in the CPM Schedule defined in work days. Durations based on the labor (crafts), equipment, and materials required performing each activity on a normal workday basis. Maximum Activity durations is 20 working days or less except in the case of non-construction activities such as procurement of materials and delivery of equipment.

Duration estimate based on the Productivity rates mentioned above.

For submittal review activities, the original duration was established to be 21 working days associated with project calendar of 5 day work week, which is equal to 30 calendar days as per contract specifications

15.5. Primavera Setting

A. Schedule Options:

- i. defined as “Use expected finish dates”;
- ii. Scheduling progressed activities set as “Use only retained logic”, not progress override option;
- iii. Critical Path activities defined as Total Float less than or equal to zero;
- iv. Calculating start-to-start lag from “early start” dates; and computing total float as “finish float = late finish – early finish”;
- v. Calendar set for scheduling relationship lag as “Predecessor Activity Calendar.”

B. Activity progress will be shown using Remaining Duration. Date format DDMMYY.

C. The Default activity type is “Independent Task”.

D. Date/time activity constraint(s): included in the original BL schedule as per executed task order Section F.5 REPORTS AND DELIVERABLES OR OUTPUTS.

15.6. Scheduling setting

- SchedulingYes
- LevelingNo
- Ignore relationships to and from other projectsNo
- Make open-ended activities criticalNo
- Use Expected Finish DatesYes
- Schedule automatically when a change affects datesNo
- Level resources during schedulingNo
- Recalculate assignment costs after schedulingNo
- When scheduling progressed activities useRetained Logic
- Calculate start-to-start lag fromEarly Start
- Define critical activities as Total Float less than or equal to 0
- Compute Total Float asFinish Float
- Calculate float based on finish date ofEach project
- Calendar for scheduling Relationship LagPredecessor Activity Calendar
Advanced
-
- Calculate multiple float paths.....No

15.7. Scheduling Statistics:

# Projects.....	1
# Activities.....	385
# Not Started.....	171
# In Progress.....	26
# Completed.....	188
# Relationships.....	862
# Activities with Constraint.....	10
Activity: UDS-A-001	Notice to Proceed (NTP)
Activity: UDS-A-011	Completion of Task Order
Activity: UDS-IA-02	Finish of Mobilization
Activity: UDS-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal
Activity: UDS-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)
Activity: UDS-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V
Activity: UDS-PC-SUB-11	Preparation & Submit Safety Plan
Activity: UDS-PC-SUB-13	Preparation & Submit Environmental Monitoring and Mitigation Plan
Activity: UDS-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule
Activity: UDS-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule

Graphical Report for:
UDSI – Updated Schedule Feb 28

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station						275d 04-Nov-14 A 28-Oct-15 0d											
Milestones						275d 04-Nov-14 A 28-Oct-15 0d											
General Milestones						359d 04-Nov-14 A 28-Oct-15 0d											
UDS-A-001	Notice to Proceed (NTP)	0d	04-Nov-14 A			Notice to Proceed (NTP)											
UDS-A-011	Completion of Task Order	0d		28-Oct-15*	0d	Completion of Task Order											
Intermediate Milestones						275d 04-Nov-14 A 28-Oct-15 0d											
UDS-IA-01	Start of Mobilization	0d	04-Nov-14 A			Start of Mobilization											
UDS-IA-02	Finish of Mobilization	0d		17-Dec-14 A		Finish of Mobilization											
UDS-IA-03	Start of Pre-Construction Submittals	0d	04-Nov-14 A			Start of Pre-Construction Submittals											
UDS-IA-04	Finish of Pre-Construction Submittals	0d		23-Feb-15 A		Finish of Pre-Construction Submittals											
UDS-IA-05	Start of Construction Submittals	0d	10-Nov-14 A			Start of Construction Submittals											
UDS-IA-06	Finish of Construction Submittals	0d		13-Apr-15	198d	Finish of Construction Submittals											
UDS-IA-16	Start of Construction (Ground Breaking)	0d	31-Jan-15 A			Start of Construction (Ground Breaking)											
UDS-IA-20	Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	0d	31-Jan-15 A			Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A											
UDS-IA-26	Finish of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	0d		03-Oct-15	11d	Finish of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A											
UDS-IA-30	Start of Construction of Al Safi Booster Station - Phase I Pipeline Connection	0d	07-Feb-15 A			Start of Construction of Al Safi Booster Station - Phase I Pipeline Connection											
UDS-IA-36	Finish of Construction of Al Safi Booster Station - Phase I Pipeline Connection	0d		03-Oct-15	11d	Finish of Construction of Al Safi Booster Station - Phase I Pipeline Connection											
UDS-IA-46	Project Duration	275d	04-Nov-14 A	28-Oct-15	0d	Project Duration											
PreConstruction Phase						193d 04-Nov-14 A 16-Jul-15 82d											
Mobilization						23d 04-Nov-14 A 17-Dec-14 A											
UDS-MOB-01	Pre-Construction Dilapidation Survey	5d	05-Dec-14 A	10-Dec-14 A		Pre-Construction Dilapidation Survey											
UDS-MOB-02	Provide, furnish and erect Temporary Project Signs	1d	30-Nov-14 A	30-Nov-14 A		Provide, furnish and erect Temporary Project Signs											
UDS-MOB-03	Supply and furnish Field Office Furniture and Miscellaneous	2d	13-Nov-14 A	15-Nov-14 A		Supply and furnish Field Office Furniture and Miscellaneous											
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	2d	05-Dec-14 A	07-Dec-14 A		Supply and install Field Office Computer Systems and IT Equipments											
UDS-MOB-05	Arrange for and erect Contractor's work and Storage Yards	2d	04-Nov-14 A	06-Nov-14 A		Arrange for and erect Contractor's work and Storage Yards											
UDS-MOB-06	Moving onto the Sites of all Plant and equipments	3d	07-Nov-14 A	10-Nov-14 A		Moving onto the Sites of all Plant and equipments											
UDS-MOB-07	Post OSHA-required notices and establish safety programs	2d	04-Nov-14 A	06-Nov-14 A		Post OSHA-required notices and establish safety programs											
UDS-MOB-08	Installation of Temporary Facilities as per section 01500	5d	04-Nov-14 A	09-Nov-14 A		Installation of Temporary Facilities as per section 01500											
UDS-MOB-09	Mobilization Summary	23d	04-Nov-14 A	17-Dec-14 A		Mobilization Summary											
PreConstruction Submittals						82d 04-Nov-14 A 23-Feb-15 A											
Traffic Control Plan, Coordination and Permits						193d 04-Nov-14 A 16-Jul-15 82d											
UDS-COR-01	Receive Final for Construction Drawings	1d	05-Nov-14 A	05-Nov-14 A		Receive Final for Construction Drawings											
UDS-COR-02	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45d	23-Dec-14 A	11-Mar-15	36d	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C											
UDS-COR-03	Coordination with Local authorities and obtain required permits for start of construction	20d	04-Nov-14 A	08-Dec-14 A		Coordination with Local authorities and obtain required permits for start of construction											
UDS-COR-04	Coordination with Maatz and obtain the required permits - If applicable Area C	90d	01-Mar-15	16-Jul-15	68d	Coordination with Maatz and obtain the required permits - If applicable Area C											
UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals	45d	01-Mar-15	04-May-15	0d	Coordination with the COGAT to obtain all the necessary approvals											
UDS-PC-SUB-12	Preparation & Submit Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	5d	04-Nov-14 A	08-Dec-14 A		Preparation & Submit Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)											
UDS-PC-SUB-12-R&A	Review & Approval of Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	21d	08-Dec-14 A	18-Dec-14 A		Review & Approval of Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)											
UDS-PC-SUB-30	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	5d	28-Feb-15 A	02-Mar-15	12d	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A+Area B)											
UDS-PC-SUB-30-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	21d	02-Mar-15	31-Mar-15	11d	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A+Area B)											
UDS-PC-SUB-40	Preparation & Submit Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)	5d	17-Dec-14 A	29-Dec-14 A		Preparation & Submit Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)											
UDS-PC-SUB-40-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. Sta. 3+880 to Sta. 5+597 (Area C)	21d	05-May-15	02-Jun-15	0d	Review & Approval of Traffic Control Plan for Area A from Sta. Sta. 3+880 to Sta. 5+597 (Area C)											
UDS-PC-SUB-50	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir	5d	01-Feb-15 A	01-Mar-15	164d	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir											
UDS-PC-SUB-50-R&A	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir	21d	01-Mar-15	30-Mar-15	137d	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir											
Construction Phase						270d 10-Nov-14 A 28-Oct-15 0d											
Construction Submittals						186d 10-Nov-14 A 13-Jul-15 84d											
Shopdrawing submittals						110d 04-Dec-14 A 26-Apr-15 137d											
Water Pipeline Shopdrawing						99d 04-Dec-14 A 13-Apr-15 71d											
500mm, 150mm and 80mm Pipes						99d 04-Dec-14 A 13-Apr-15 71d											
UDS-CS-10	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+50	5d	04-Dec-14 A	14-Dec-14 A		Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+50											
UDS-CS-10 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+50	21d	14-Dec-14 A	06-Jan-15 A		Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+50											
UDS-CS-20	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	6d	10-Dec-14 A	27-Dec-14 A		Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000											

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015																
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
UDS-CS-20 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to S	21d	27-Dec-14 A	06-Jan-15 A																		
UDS-CS-30	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	6d	20-Dec-14 A	11-Feb-15 A																		
UDS-CS-30 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to S	21d	11-Feb-15 A	15-Mar-15	23d																	
UDS-CS-40	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	6d	28-Dec-14 A	11-Feb-15 A																		
UDS-CS-40 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to S	21d	11-Feb-15 A	15-Mar-15	39d																	
UDS-CS-50	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+000	6d	28-Feb-15	07-Mar-15	48d																	
UDS-CS-50 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to S	21d	08-Mar-15	05-Apr-15	40d																	
UDS-CS-55	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+590	6d	08-Mar-15	14-Mar-15	71d																	
UDS-CS-55 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to S	21d	15-Mar-15	13-Apr-15	59d																	
Connect to the existing		44d	25-Jan-15 A	09-Feb-15 A																		
UDS-CS-240	Prep. & Sub. Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 and 6" (South	10d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-240	Review & Approval of Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 6" (S	21d	31-Jan-15 A	09-Feb-15 A																		
UDS-CS-250	Prep. & Sub. Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northern Con	10d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-250	Review & Approval of Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (North	21d	31-Jan-15 A	09-Feb-15 A																		
Chambers Shopdrawing		95d	18-Dec-14 A	05-Apr-15	98d																	
Gate Valve Chambers		33d	31-Jan-15 A	31-Mar-15	78d																	
UDS-CS-060	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	6d	31-Jan-15 A	02-Mar-15	76d																	
UDS-CS-060	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21d	03-Mar-15	31-Mar-15	64d																	
UDS-CS-090	Prep. & Sub. Shop drawing for 80mm Gate Valve chamber	6d	31-Jan-15 A	02-Mar-15	41d																	
UDS-CS-090	Review & Approval of Shop drawing for 80mm Gate Valve chamber	21d	03-Mar-15	31-Mar-15	35d																	
AVAR Chambers		31d	25-Jan-15 A	12-Feb-15 A																		
UDS-CS-110	Prep. & Sub. Shop drawing for 75mm AVAR chamber on 150mm pipe	6d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-110	Review & Approval of Shop drawing for 75mm AVAR chamber on 150mm pipe	21d	31-Jan-15 A	12-Feb-15 A																		
UDS-CS-120	Prep. & Sub. Shop drawing for 100mm AVAR chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-120	Review & Approval of Shop drawing for 100mm AVAR chamber on 500mm pipe	21d	31-Jan-15 A	12-Feb-15 A																		
UDS-CS-160	Prep. & Sub. Shop drawing for 150mm AVAR chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-160	Review & Approval of Shop drawing for 150mm AVAR chamber on 500mm pipe	21d	31-Jan-15 A	12-Feb-15 A																		
WO Washout Chambers		31d	25-Jan-15 A	08-Mar-15	99d																	
UDS-CS-140	Prep. & Sub. Shop drawing for 75mm WO chamber on 150mm pipe	6d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-140	Review & Approval of Shop drawing for 75mm WO chamber on 150mm pipe	21d	31-Jan-15 A	08-Mar-15	82d																	
UDS-CS-150	Prep. & Sub. Shop drawing for 200mm WO chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																		
UDS-CS-150	Review & Approval of Shop drawing for 200mm WO chamber on 500mm pipe	21d	31-Jan-15 A	08-Mar-15	82d																	
BFV Chambers		31d	31-Jan-15 A	05-Apr-15	98d																	
UDS-CS-070	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	6d	31-Jan-15 A	02-Mar-15	73d																	
UDS-CS-070	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chaml	21d	03-Mar-15	31-Mar-15	64d																	
UDS-CS-080	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	6d	28-Feb-15	07-Mar-15	73d																	
UDS-CS-080	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Charr	21d	08-Mar-15	05-Apr-15	61d																	
UDS-CS-100	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	6d	28-Feb-15	07-Mar-15	97d																	
UDS-CS-100	Review & Approval of Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d																	
UDS-CS-180	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d																	
UDS-CS-180	Review & Approval of Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d																	
UDS-CS-185	Prep. & Sub. Shop drawing for BFV chamber at station 5+570 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d																	
UDS-CS-185	Review & Approval of Shop drawing for BFV chamber at station 5+570 (350mm isolation chamber 3)	21d	08-Mar-15	05-Apr-15	81d																	
Flow Meter Monitoring chamber		58d	25-Jan-15 A	05-Apr-15	98d																	
UDS-CS-130	Prep. & Sub. Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	6d	28-Feb-15	07-Mar-15	97d																	
UDS-CS-130	Review & Approval of Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station	21d	08-Mar-15	05-Apr-15	81d																	
UDS-CS-210	Prep. & Sub. Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	15d	25-Jan-15 A	11-Feb-15 A																		
UDS-CS-210	Review & Approval of Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Juncti	21d	11-Feb-15 A	08-Mar-15	68d																	
Connection Chambers		55d	20-Jan-15 A	08-Mar-15	117d																	
UDS-CS-190	Prep. & Sub. Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station 4+860	6d	01-Feb-15 A	12-Feb-15 A																		
UDS-CS-190	Review & Approval of Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Stator	21d	12-Feb-15 A	08-Mar-15	97d																	
UDS-CS-200	Prep. & Sub. Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570	6d	01-Feb-15 A	12-Feb-15 A																		
UDS-CS-200	Review & Approval of Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Stati	21d	12-Feb-15 A	08-Mar-15	97d																	

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015																	
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
UDS-CS-220	Prep. & Sub. Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	6d	20-Jan-15 A	29-Jan-15 A																			
UDS-CS-220	Review & Approval of Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0	21d	29-Jan-15 A	31-Jan-15 A																			
Check Valve Chambers		43d	18-Dec-14 A	09-Feb-15 A																			
UDS-CS-230	Prep. & Sub. Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	20d	18-Dec-14 A	08-Feb-15 A																			
UDS-CS-230	Review & Approval of Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	21d	08-Feb-15 A	09-Feb-15 A																			
Civil Shopdrawing		35d	28-Feb-15	09-Apr-15	150d																		
UDS-CS-260	Prep. & Sub. Shop drawing for Roads	10d	28-Feb-15	11-Mar-15	151d																		
UDS-CS-260 R&A	Review & Approval of Shop drawing for Roads	21d	12-Mar-15	09-Apr-15	124d																		
UDS-CS-270	Prep. & Sub. Shop drawing for Formwork	8d	28-Feb-15	09-Mar-15	71d																		
UDS-CS-270 R&A	Review & Approval of Shop drawing for Formwork	21d	10-Mar-15	07-Apr-15	59d																		
Al-Safi Shopdrawing		105d	10-Dec-14 A	26-Apr-15	110d																		
UDS-CS-280	Prep. & Sub. Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	10d	10-Dec-14 A	25-Jan-15 A																			
UDS-CS-280 R&A	Review & Approval of Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	21d	25-Jan-15 A	03-Feb-15 A																			
UDS-CS-290	Prep. & Sub. Shop drawing for Steel Pipe Tank Connection	10d	28-Feb-15	11-Mar-15	111d																		
UDS-CS-290 R&A	Review & Approval of Shop drawing for Steel Pipe Tank Connection	21d	26-Mar-15	26-Apr-15	91d																		
UDS-CS-300	Prep. & Sub. Shop drawing for Flow Monitoring & Flow Control Valve Assembly	12d	12-Mar-15	25-Mar-15	111d																		
UDS-CS-300 R&A	Review & Approval of Shop drawing for Flow Monitoring & Flow Control Valve Assembly	21d	12-Mar-15	09-Apr-15	95d																		
UDS-CS-310	Prep. & Sub. Shop drawing for 300mm and 400mm BFV chambers	6d	27-Jan-15 A	08-Feb-15 A																			
UDS-CS-310 R&A	Review & Approval of Shop drawing for 300mm and 400mm BFV chambers	21d	08-Feb-15 A	10-Feb-15 A																			
UDS-CS-320	Prep. & Sub. Shop drawing for Instrumentations	10d	25-Jan-15 A	01-Feb-15 A																			
UDS-CS-320 R&A	Review & Approval of Shop drawing for Instrumentations	21d	01-Feb-15 A	09-Feb-15 A																			
Material Submittals		108d	10-Nov-14 A	02-Apr-15	161d																		
Mechanical Material Submittals		103d	16-Nov-14 A	31-Mar-15	164d																		
UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes	5d	16-Nov-14 A	02-Dec-14 A																			
UDS-MMS-010-F	Review & Approval of 500 mm Steel Pipes	21d	02-Dec-14 A	08-Dec-14 A																			
UDS-MMS-020	Prep. & Sub. Butterfly Valve	5d	16-Nov-14 A	07-Dec-14 A																			
UDS-MMS-020-F	Review & Approval of Butterfly Valve	21d	07-Dec-14 A	16-Dec-14 A																			
UDS-MMS-030	Prep. & Sub. Gate Valve	5d	06-Dec-14 A	12-Jan-15 A																			
UDS-MMS-030-F	Review & Approval of Gate Valve	21d	12-Jan-15 A	20-Jan-15 A																			
UDS-MMS-040	Prep. & Sub. Combination Air Valve	5d	22-Dec-14 A	18-Jan-15 A																			
UDS-MMS-040-F	Review & Approval of Combination Air Valve	21d	18-Jan-15 A	25-Jan-15 A																			
UDS-MMS-050	Prep. & Sub. Check Valve	10d	22-Dec-14 A	22-Jan-15 A																			
UDS-MMS-050-F	Review & Approval of Check Valve	21d	22-Jan-15 A	03-Feb-15 A																			
UDS-MMS-060	Prep. & Sub. Flow Control Valve	5d	26-Jan-15 A	02-Mar-15	163d																		
UDS-MMS-060-F	Review & Approval of Flow Control Valve	21d	02-Mar-15	31-Mar-15	136d																		
UDS-MMS-070	Prep. & Sub. Pressure Relief Valve	10d	08-Dec-14 A	28-Jan-15 A																			
UDS-MMS-070-F	Review & Approval of Pressure Relief Valve	21d	28-Jan-15 A	03-Feb-15 A																			
UDS-MMS-080	Prep. & Sub. Strainer	5d	22-Nov-14 A	27-Dec-14 A																			
UDS-MMS-080-F	Review & Approval of Strainer	21d	27-Dec-14 A	04-Jan-15 A																			
UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve	5d	22-Dec-14 A	26-Jan-15 A																			
UDS-MMS-090-F	Review & Approval of Combined flow control and Pressure Reducing Valve	21d	26-Jan-15 A	29-Jan-15 A																			
UDS-MMS-110	Prep. & Sub. Dismantling joints	5d	22-Nov-14 A	09-Dec-14 A																			
UDS-MMS-110-F	Review & Approval of Dismantling joints	21d	09-Dec-14 A	16-Dec-14 A																			
UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters	5d	01-Dec-14 A	09-Dec-14 A																			
UDS-MMS-120-F	Review & Approval of Mechanical coupling & socket adapters	21d	09-Dec-14 A	16-Dec-14 A																			
UDS-MMS-140	Prep. & Sub. Float (level) control valves	5d	29-Dec-14 A	31-Jan-15 A																			
UDS-MMS-140-F	Review & Approval of Float (level) control valves	21d	31-Jan-15 A	04-Feb-15 A																			
UDS-MMS-150	Prep. & Sub. Flange Gaskets	5d	25-Dec-14 A	30-Dec-14 A																			
UDS-MMS-150-F	Review & Approval of Flange Gaskets	21d	30-Dec-14 A	04-Jan-15 A																			
UDS-MMS-160	Prep. & Sub. Galvanized Malleable Iron Fittings Up to 2"	4d	17-Jan-15 A	20-Jan-15 A																			
UDS-MMS-160-F	Review & Approval of Galvanized Malleable Iron Fittings Up to 2"	21d	20-Jan-15 A	25-Jan-15 A																			
UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers	4d	11-Jan-15 A	17-Jan-15 A																			
UDS-MMS-170-F	Review & Approval of Bolts, studs, nuts, and washers	21d	17-Jan-15 A	25-Jan-15 A																			

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015																
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
UDS-MMS-180	Prep. & Sub. Flanges	5d	01-Jan-15 A	05-Jan-15 A																		
UDS-MMS-180-F	Review & Approval of Flanges	21d	05-Jan-15 A	11-Jan-15 A																		
UDS-MMS-190	Prep. & Sub. Pressure Gauge, ball valve, and snubber	5d	01-Jan-15 A	04-Jan-15 A																		
UDS-MMS-190-F	Review & Approval of Pressure Gauge, ball valve, and snubber	21d	04-Jan-15 A	11-Jan-15 A																		
UDS-MMS-200	Prep. & Sub. Steel fittings (elbows, reducers, tees, etc	5d	10-Jan-15 A	20-Jan-15 A																		
UDS-MMS-200-F	Review & Approval of Steel fittings (elbows, reducers, tees, etc	21d	20-Jan-15 A	25-Jan-15 A																		
UDS-MMS-210	Prep. & Sub. Heat Shrinkable for Steel Pipes	5d	15-Jan-15 A	25-Jan-15 A																		
UDS-MMS-210-F	Review & Approval of Heat Shrinkable for Steel Pipes	21d	25-Jan-15 A	02-Feb-15 A																		
UDS-MMS-220	Prep. & Sub. Steel pipes marking Sample	4d	01-Dec-14 A	08-Dec-14 A																		
UDS-MMS-220-F	Review & Approval of Steel pipes marking Sample	21d	08-Dec-14 A	17-Dec-14 A																		
UDS-MMS-230	Prep. & Sub. 450mm, 400mm, 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Steel Pipes	5d	15-Dec-14 A	02-Mar-15	163d																	
UDS-MMS-230-F	Review & Approval of 450mm, 400mm, 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Ste	21d	02-Mar-15	31-Mar-15	136d																	
Civil Material Submittals		108d	16-Nov-14 A	02-Apr-15	156d																	
UDS-CMS-10	Prep. & Sub. Bedding Material	4d	04-Dec-14 A	07-Dec-14 A																		
UDS-CMS-10-RA	Review & Approval of Bedding Material	21d	07-Dec-14 A	08-Dec-14 A																		
UDS-CMS-20	Prep. & Sub. Single Size Backfilling Material	4d	01-Dec-14 A	07-Dec-14 A																		
UDS-CMS-20-RA	Review & Approval of Single Size Backfilling Material	21d	07-Dec-14 A	08-Dec-14 A																		
UDS-CMS-30	Prep. & Sub. Base Course	7d	18-Feb-15 A	28-Feb-15 A																		
UDS-CMS-30-RA	Review & Approval of Base Course	21d	28-Feb-15 A	01-Mar-15	15d																	
UDS-CMS-40	Prep. & Sub. Concrete Mix Design	28d	01-Dec-14 A	08-Dec-14 A																		
UDS-CMS-40-RA	Review & Approval of Concrete Mix Design	21d	08-Dec-14 A	10-Dec-14 A																		
UDS-CMS-45	Prep. & Sub. Steel Reinforcement	4d	04-Dec-14 A	14-Dec-14 A																		
UDS-CMS-45-RA	Review & Approval of Steel Reinforcement	21d	14-Dec-14 A	15-Dec-14 A																		
UDS-CMS-50	Prep. & Sub. Bituminous Cold Material (for external coating for Concrete Chambers)	3d	17-Dec-14 A	27-Dec-14 A																		
UDS-CMS-50-RA	Review & Approval of Bituminous Cold Material (for external coating for Concrete Chambers)	21d	27-Dec-14 A	11-Jan-15 A																		
UDS-CMS-60	Prep. & Sub. Manhole covers and frames	5d	16-Nov-14 A	26-Nov-14 A																		
UDS-CMS-60-RA	Review & Approval of Manhole covers and frames	21d	26-Nov-14 A	30-Nov-14 A																		
UDS-CMS-70	Prep. & Sub. Pipe's supports	4d	01-Jan-15 A	05-Jan-15 A																		
UDS-CMS-70-RA	Review & Approval of Pipe's supports	21d	05-Jan-15 A	11-Jan-15 A																		
UDS-CMS-80	Prep. & Sub. Manhole Rungs	5d	28-Feb-15	04-Mar-15	74d																	
UDS-CMS-80-RA	Review & Approval of Manhole Rungs	21d	05-Mar-15	02-Apr-15	62d																	
UDS-CMS-90	Prep. & Sub. Asphalt Mix Design	7d	01-Dec-14 A	08-Dec-14 A																		
UDS-CMS-90-RA	Review & Approval of Asphalt Mix Design	21d	08-Dec-14 A	10-Dec-14 A																		
UDS-CMS-91	Prep. & Sub. Prime Coat and Tack Coat	4d	28-Feb-15	03-Mar-15	157d																	
UDS-CMS-91-RA	Review & Approval of Prime Coat and Tack Coat	21d	04-Mar-15	01-Apr-15	130d																	
Electrical Material Submittals		95d	10-Nov-14 A	02-Apr-15	136d																	
UDS-EMS-10	Prep. & Sub. Pressure differential switches	9d	06-Dec-14 A	29-Jan-15 A																		
UDS-EMS-10-RA	Review & Approval of Pressure differential switches	21d	29-Jan-15 A	04-Feb-15 A																		
UDS-EMS-20	Prep. & Sub. Antenna gsm / gprs Modem	5d	28-Feb-15	04-Mar-15	135d																	
UDS-EMS-20-RA	Review & Approval of Antenna gsm / gprs Modem	21d	05-Mar-15	02-Apr-15	112d																	
UDS-EMS-30	Prep. & Sub. Cathode protection: Anodes, Test Stations	5d	11-Dec-14 A	14-Dec-14 A																		
UDS-EMS-30-RA	Review & Approval of Cathode protection: Anodes, Test Stations	21d	14-Dec-14 A	29-Dec-14 A																		
UDS-EMS-40	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit and Link Seal	5d	11-Dec-14 A	14-Dec-14 A																		
UDS-EMS-40-RA	Review & Approval of Cathode protection: Accessories, flanges insulating kit and Link Seal	21d	14-Dec-14 A	29-Dec-14 A																		
UDS-EMS-50	Prep. & Sub. Pressure Transmitters	5d	30-Nov-14 A	08-Dec-14 A																		
UDS-EMS-50-RA	Review & Approval of Pressure Transmitters	21d	08-Dec-14 A	22-Dec-14 A																		
UDS-EMS-60	Prep. & Sub. Magnetic flow-meters	5d	06-Dec-14 A	21-Jan-15 A																		
UDS-EMS-60-RA	Review & Approval of Magnetic flow-meters	21d	21-Jan-15 A	03-Feb-15 A																		
UDS-EMS-70	Prep. & Sub. Magnetic flow-meters for Al-Safi	5d	10-Nov-14 A	13-Nov-14 A																		
UDS-EMS-70-RA	Review & Approval of Magnetic flow-meters for Al-Safi	21d	13-Nov-14 A	25-Nov-14 A																		
Method Statement		109d	10-Nov-14 A	02-Apr-15	144d																	
UDS-MS-009	Prep. & Sub. Method statement for testing of existing pipeline	5d	04-Dec-14 A	27-Dec-14 A																		
UDS-MS-009-RA	Review & Approval of Method statement for testing of existing pipeline	21d	27-Dec-14 A	05-Jan-15 A																		

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015																
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
UDS-MS-010	Prep. & Sub. Pipeline installation method statement	5d	10-Nov-14 A	03-Dec-14 A																		
UDS-MS-010-RA	Review & Approval of Pipeline installation method statement	21d	03-Dec-14 A	29-Dec-14 A																		
UDS-MS-020	Prep. & Sub. Method Statement for Repairing Pipe Cement Mortar Lining	4d	17-Nov-14 A	25-Jan-15 A																		
UDS-MS-020-RA	Review & Approval of Method Statement for Repairing Pipe Cement Mortar Lining	21d	25-Jan-15 A	29-Jan-15 A																		
UDS-MS-030	Prep. & Sub. Method Statement for Radiographic Testing and safety plan	5d	22-Nov-14 A	25-Jan-15 A																		
UDS-MS-030-RA	Review & Approval of Method Statement for Radiographic Testing and safety plan	21d	25-Jan-15 A	27-Jan-15 A																		
UDS-MS-040	Prep. & Sub. Cathode protection: Installation method statement and Shop Drawing	5d	01-Feb-15 A	05-Feb-15 A																		
UDS-MS-040-RA	Review & Approval of Cathode protection: Installation method statement and Shop Drawing	21d	05-Feb-15 A	15-Mar-15	5d																	
UDS-MS-050	Prep. & Sub. Coating procedure for exposed and/or inside manhole pipes and fittings	5d	06-Dec-14 A	27-Dec-14 A																		
UDS-MS-050-RA	Review & Approval of Coating procedure for exposed and/or inside manhole pipes and fittings	21d	27-Dec-14 A	11-Jan-15 A																		
UDS-MS-060	Prep. & Sub. Method Statement for Pipeline Testing and Disinfection	5d	28-Feb-15	04-Mar-15	131d																	
UDS-MS-060-RA	Review & Approval of Method Statement for Pipeline Testing and Disinfection	21d	05-Mar-15	02-Apr-15	119d																	
Miscellaneous		182d	16-Nov-14 A	13-Jul-15	72d	13-Jul-15, Miscellaneous																
UDS-MIS-10	Prep. & Sub. Welding Procedure	5d	16-Nov-14 A	12-Feb-15 A																		
UDS-MIS-10-RA	Review & Approval of Welding Procedure	21d	12-Feb-15 A	08-Mar-15	10d																	
UDS-MIS-30	Prep. & Sub. Identification Tape	5d	16-Nov-14 A	22-Dec-14 A																		
UDS-MIS-30-RA	Review & Approval of Identification Tape	21d	22-Dec-14 A	29-Dec-14 A																		
UDS-MIS-50	Prep. & Sub. Water Quality Testing Lab	5d	28-Feb-15	04-Mar-15	131d																	
UDS-MIS-50-RA	Review & Approval of Water Quality Testing Lab	21d	05-Mar-15	02-Apr-15	108d																	
UDS-MIS-60	Prep. & Sub. Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	5d	16-Nov-14 A	09-Dec-14 A																		
UDS-MIS-60-RA	Review & Approval of Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	21d	09-Dec-14 A	16-Dec-14 A																		
UDS-MIS-70	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	5d	17-Feb-15 A	28-Feb-15 A																		
UDS-MIS-70-RA	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21d	28-Feb-15 A	15-Mar-15	5d																	
UDS-MIS-80	Prep. & Sub. Training Submittal (Qualification and Material)	5d	30-May-15	03-Jun-15	74d																	
UDS-MIS-80-RA10	Review & Approval of Training Submittal (Qualification and Material)	21d	04-Jun-15	13-Jul-15	60d																	
Procurement		113d	17-Dec-14 A	17-Jun-15	23d	17-Jun-15, Procurement																
PRO-01	Order of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2d	17-Dec-14 A	18-Dec-14 A																		
PRO-1020	Manufacturing of 500 mm, 350mm, 150mm, 80mm Steel Pipes	50d	18-Dec-14 A	16-Mar-15	1d																	
PRO-1030	Delivery of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2d	17-Mar-15	18-Mar-15	1d																	
PRO-1031	Order of Mechanical electrical fittings	2d	17-Jan-15 A	17-Feb-15 A																		
PRO-1032	Manufacturing of Mechanical and electrical fittings	90d	17-Feb-15 A	28-May-15	23d																	
PRO-1035	Delivery of Mechanical and electrical fittings	13d	31-May-15	17-Jun-15	23d																	
Execution		266d	01-Dec-14 A	28-Oct-15	0d	28-Oct-15, Execution																
Ras Al Taweel & Al 'Udeisa Water Infrastructure Phase 1A		230d	01-Dec-14 A	28-Oct-15	0d	28-Oct-15, Ras Al Taweel & Al 'Udeisa Water Infrastructure Phase 1A																
Yatta Junction Traffic Control		85d	01-Dec-14 A	15-Apr-15	140d	15-Apr-15, Yatta Junction Traffic Control																
E-R880	Implementation of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	2d	25-Jan-15 A	15-Feb-15 A																		
E-R890	Maintain of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	83d	15-Feb-15 A	15-Apr-15	82d																	
Yatta Junction and Bani Naim Reservoir Service Connection		39d	31-Jan-15 A	15-Apr-15	82d	15-Apr-15, Yatta Junction and Bani Naim Reservoir Service Connection																
E-R110	Construction of Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	20d	22-Mar-15	15-Apr-15	82d																	
E-R120	Construction of Two Check Valve chamber as per detail A/M-0001 at Yatta Junction	15d	28-Feb-15	17-Mar-15	105d																	
E-R130	Construction of Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	20d	31-Jan-15 A	18-Feb-15 A																		
Testing of Existing Pipeline		7d	01-Dec-14 A	01-Mar-15	177d	01-Mar-15, Testing of Existing Pipeline																
E-T-01	Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to connection	7d	01-Dec-14 A	01-Mar-15	177d																	
Phase 1		53d	28-Feb-15	03-May-15	67d	03-May-15, Phase 1																
E-R100	Implementation of Traffic Control Plan Phase 1	2d	28-Feb-15	01-Mar-15	15d																	
E-R850	Maintain of Traffic Control Plan Phase 1	51d	02-Mar-15	03-May-15	67d																	
Pipeline segment from Station 1+000 to station 2+000		53d	28-Feb-15	03-May-15	67d	03-May-15, Pipeline segment from Station 1+000 to station 2+000																
Dual Trench 500mm and 150mm Pipelines and chambers		53d	28-Feb-15	03-May-15	67d	03-May-15, Dual Trench 500mm and 150mm Pipelines and chambers																
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001 and 6" pipe (Southern Connection)	5d	28-Feb-15	04-Mar-15	115d																	
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode	20d	19-Mar-15	11-Apr-15	1d																	
E-R160	Construction of 150mm Gate Valve chamber at station 0+990	15d	08-Apr-15	26-Apr-15	72d																	
E-R170	Construction of 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	15d	08-Apr-15	26-Apr-15	72d																	
E-R175	Construction of 200mm WO chamber at station 1+450 for 500mm pipe	15d	08-Apr-15	26-Apr-15	72d																	

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



Annex K:

One Month Look ahead Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station						28-Oct-15, Ras...											
Milestones						28-Oct-15, Miles											
Intermediate Milestones						28-Oct-15, Intern...											
UDS-IA-46	Project Duration	275d	04-Nov-14 A	28-Oct-15	0d	Project Duration											
PreConstruction Phase						16-Jul-15, PreConstruction Pha...											
Traffic Control Plan, Coordination and Permits						16-Jul-15, Traffic Control Pla...											
UDS-COR-02	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45d	23-Dec-14 A	11-Mar-15	36d	Coordination with the DCL to o...											
UDS-COR-04	Coordination with Maatz and obtain the required permits - If applicable Area C	90d	01-Mar-15	16-Jul-15	68d	Coordination with Maatz and ob...											
UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals	45d	01-Mar-15	04-May-15	0d	Coordination with the COGAT to...											
UDS-PC-SUB-30	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	5d	28-Feb-15 A	02-Mar-15	12d	Preparation & Submit Traffic C...											
UDS-PC-SUB-30-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	21d	02-Mar-15	31-Mar-15	11d	Review & Approval of Traffic C...											
UDS-PC-SUB-50	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir	5d	01-Feb-15 A	01-Mar-15	164d	Preparation & Submit Traffic C...											
UDS-PC-SUB-50-R&A	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir	21d	01-Mar-15	30-Mar-15	137d	Review & Approval of Traffic C...											
Construction Phase						28-May-15, Construction Phase											
Construction Submittals						26-Apr-15, Construction Submitt...											
Shopdrawing submittals						26-Apr-15, Shopdrawing submitt...											
Water Pipeline Shopdrawing						13-Apr-15, Water Pipeline Shop...											
500mm, 150mm and 80mm Pipes						13-Apr-15, 500mm, 150mm and 80...											
UDS-CS-30 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to S	21d	11-Feb-15 A	15-Mar-15	23d	Review & Approval of Shop draw...											
UDS-CS-40 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to S	21d	11-Feb-15 A	15-Mar-15	39d	Review & Approval of Shop draw...											
UDS-CS-50	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+00	6d	28-Feb-15	07-Mar-15	48d	Prep. & Sub. Shop drawing for ...											
UDS-CS-50 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to S	21d	08-Mar-15	05-Apr-15	40d	Review & Approval of Shop draw...											
UDS-CS-55	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	6d	08-Mar-15	14-Mar-15	71d	Prep. & Sub. Shop drawing for ...											
UDS-CS-55 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to S	21d	15-Mar-15	13-Apr-15	59d	Review & Approval of Shop draw...											
Chambers Shopdrawing						05-Apr-15, Chambers Shopdrawin...											
Gate Valve Chambers						31-Mar-15, Gate Valve Chambers											
UDS-CS-060	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	6d	31-Jan-15 A	02-Mar-15	76d	Prep. & Sub. Shop drawing for ...											
UDS-CS-060 R	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21d	03-Mar-15	31-Mar-15	64d	Review & Approval of Shop draw...											
UDS-CS-090	Prep. & Sub. Shop drawing for 80mm Gate Valve chamber	6d	31-Jan-15 A	02-Mar-15	41d	Prep. & Sub. Shop drawing for ...											
UDS-CS-090 R	Review & Approval of Shop drawing for 80mm Gate Valve chamber	21d	03-Mar-15	31-Mar-15	35d	Review & Approval of Shop draw...											
WO Washout Chambers						08-Mar-15, WO Washout Chambers											
UDS-CS-140	Review & Approval of Shop drawing for 75mm WO chamber on 150mm pipe	21d	31-Jan-15 A	08-Mar-15	82d	Review & Approval of Shop draw...											
UDS-CS-150	Review & Approval of Shop drawing for 200mm WO chamber on 500mm pipe	21d	31-Jan-15 A	08-Mar-15	82d	Review & Approval of Shop draw...											
BFV Chambers						05-Apr-15, BFV Chambers											
UDS-CS-070	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	6d	31-Jan-15 A	02-Mar-15	73d	Prep. & Sub. Shop drawing for ...											
UDS-CS-070 R	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chaml	21d	03-Mar-15	31-Mar-15	64d	Review & Approval of Shop draw...											
UDS-CS-080	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	6d	28-Feb-15	07-Mar-15	73d	Prep. & Sub. Shop drawing for ...											
UDS-CS-080 R	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Cham	21d	08-Mar-15	05-Apr-15	61d	Review & Approval of Shop draw...											
UDS-CS-100	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	6d	28-Feb-15	07-Mar-15	97d	Prep. & Sub. Shop drawing for ...											
UDS-CS-100 R	Review & Approval of Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d	Review & Approval of Shop draw...											
UDS-CS-180	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d	Prep. & Sub. Shop drawing for ...											
UDS-CS-180 R	Review & Approval of Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d	Review & Approval of Shop draw...											
UDS-CS-185	Prep. & Sub. Shop drawing for BFV chamber at station 5+570 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d	Prep. & Sub. Shop drawing for ...											
UDS-CS-185 R	Review & Approval of Shop drawing for BFV chamber at station 5+570 (350mm isolation chamber 3)	21d	08-Mar-15	05-Apr-15	81d	Review & Approval of Shop draw...											
Flow Meter Monitoring chamber						05-Apr-15, Flow Meter Monitori...											
UDS-CS-130	Prep. & Sub. Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	6d	28-Feb-15	07-Mar-15	97d	Prep. & Sub. Shop drawing for ...											
UDS-CS-130 R	Review & Approval of Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station	21d	08-Mar-15	05-Apr-15	81d	Review & Approval of Shop draw...											
UDS-CS-210	Review & Approval of Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Juncti	21d	11-Feb-15 A	08-Mar-15	68d	Review & Approval of Shop draw...											
Connection Chambers						08-Mar-15, Connection Chambers											
UDS-CS-190	Review & Approval of Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Stator	21d	12-Feb-15 A	08-Mar-15	97d	Review & Approval of Shop draw...											
UDS-CS-200	Review & Approval of Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Stati	21d	12-Feb-15 A	08-Mar-15	97d	Review & Approval of Shop draw...											
Civil Shopdrawing						09-Apr-15, Civil Shopdrawing											
UDS-CS-260	Prep. & Sub. Shop drawing for Roads	10d	28-Feb-15	11-Mar-15	151d	Prep. & Sub. Shop drawing for ...											
UDS-CS-260 R&A	Review & Approval of Shop drawing for Roads	21d	12-Mar-15	09-Apr-15	124d	Review & Approval of Shop draw...											
UDS-CS-270	Prep. & Sub. Shop drawing for Formwork	8d	28-Feb-15	09-Mar-15	71d	Prep. & Sub. Shop drawing for ...											
UDS-CS-270 R&A	Review & Approval of Shop drawing for Formwork	21d	10-Mar-15	07-Apr-15	59d	Review & Approval of Shop draw...											
Al-Safi Shopdrawing						26-Apr-15, Al-Safi Shopdrawing											

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



Annex L:

Completed and in progress activities

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station						28-Oct-15, Ras...											
Milestones						28-Oct-15, Miles											
General Milestones						14 A, General Milestone...											
UDS-A-001	Notice to Proceed (NTP)	0d	04-Nov-14 A	04-Nov-14 A		o Proceed (NTP)											
Intermediate Milestones						28-Oct-15, Inter											
UDS-IA-01	Start of Mobilization	0d	04-Nov-14 A			Mobilization											
UDS-IA-02	Finish of Mobilization	0d		17-Dec-14 A		Finish of Mobilization											
UDS-IA-03	Start of Pre-Construction Submittals	0d	04-Nov-14 A			Pre-Construction Subm...											
UDS-IA-04	Finish of Pre-Construction Submittals	0d		23-Feb-15 A		Finish of Pre-Construction Sub...											
UDS-IA-05	Start of Construction Submittals	0d	10-Nov-14 A			of Construction Submitta...											
UDS-IA-16	Start of Construction (Ground Breaking)	0d	31-Jan-15 A			Start of Construction (Ground ...											
UDS-IA-20	Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	0d	31-Jan-15 A			Start of Construction of Ras A...											
UDS-IA-30	Start of Construction of Al Safi Booster Station – Phase I Pipeline Connection	0d	07-Feb-15 A			Start of Construction of Al Sa...											
UDS-IA-46	Project Duration	275d	04-Nov-14 A	28-Oct-15	0d	Project Duration											
PreConstruction Phase						16-Jul-15, PreConstruction Pha...											
Mobilization						17-Dec-14 A, Mobilization											
UDS-MOB-01	Pre-Construction Dilapidation Survey	5d	05-Dec-14 A	10-Dec-14 A		Pre-Construction Dilapidation ...											
UDS-MOB-02	Provide, furnish and erect Temporary Project Signs	1d	30-Nov-14 A	30-Nov-14 A		Provide, furnish and erect Tem...											
UDS-MOB-03	Supply and furnish Field Office Furniture and Miscellaneous	2d	13-Nov-14 A	15-Nov-14 A		ply and furnish Field Offic...											
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	2d	05-Dec-14 A	07-Dec-14 A		Supply and install Field Offic...											
UDS-MOB-05	Arrange for and erect Contractor's work and Storage Yards	2d	04-Nov-14 A	06-Nov-14 A		e for and erect Contract...											
UDS-MOB-06	Moving onto the Sites of all Plant and equipments	3d	07-Nov-14 A	10-Nov-14 A		g onto the Sites of all P...											
UDS-MOB-07	Post OSHA-required notices and establish safety programs	2d	04-Nov-14 A	06-Nov-14 A		SHA-required notices and...											
UDS-MOB-08	Installation of Temporary Facilities as per section 01500	5d	04-Nov-14 A	09-Nov-14 A		ation of Temporary Facili...											
UDS-MOB-09	Mobilization Summary	23d	04-Nov-14 A	17-Dec-14 A		Mobilization Summary											
PreConstruction Submittals						23-Feb-15 A, PreConstruction S...											
Traffic Control Plan, Coordination and Permits						16-Jul-15, Traffic Control Pla...											
UDS-COR-01	Receive Final for Construction Drawings	1d	05-Nov-14 A	05-Nov-14 A		e Final for Construction...											
UDS-COR-02	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45d	23-Dec-14 A	11-Mar-15	36d	Coordination with the DCL to o...											
UDS-COR-03	Coordination with Local authorities and obtain required permits for start of construction	20d	04-Nov-14 A	08-Dec-14 A		Coordination with Local author...											
UDS-COR-04	Coordination with Maatz and obtain the required permits - If applicable Area C	90d	01-Mar-15	16-Jul-15	68d	Coordination with Maatz and ob...											
UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals	45d	01-Mar-15	04-May-15	0d	Coordination with the COGAT to...											
UDS-PC-SUB-12	Preparation & Submit Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	5d	04-Nov-14 A	08-Dec-14 A		Preparation & Submit Traffic C...											
UDS-PC-SUB-12-R&A	Review & Approval of Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	21d	08-Dec-14 A	18-Dec-14 A		Review & Approval of Traffic C...											
UDS-PC-SUB-30	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	5d	28-Feb-15 A	02-Mar-15	12d	Preparation & Submit Traffic C...											
UDS-PC-SUB-30-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A+Area B)	21d	02-Mar-15	31-Mar-15	11d	Review & Approval of Traffic C...											
UDS-PC-SUB-40	Preparation & Submit Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)	5d	17-Dec-14 A	29-Dec-14 A		Preparation & Submit Traffic C...											
UDS-PC-SUB-50	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir	5d	01-Feb-15 A	01-Mar-15	164d	Preparation & Submit Traffic C...											
UDS-PC-SUB-50-R&A	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir	21d	01-Mar-15	30-Mar-15	137d	Review & Approval of Traffic C...											
Construction Phase						28-May-15, Construction Phase											
Construction Submittals						26-Apr-15, Construction Submitt...											
Shopdrawing submittals						26-Apr-15, Shopdrawing submitt...											
Water Pipeline Shopdrawing						13-Apr-15, Water Pipeline Shop...											
500mm, 150mm and 80mm Pipes						13-Apr-15, 500mm, 150mm and 80...											
UDS-CS-10	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+50	5d	04-Dec-14 A	14-Dec-14 A		Prep. & Sub. Shop drawing for ...											
UDS-CS-10 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to S	21d	14-Dec-14 A	06-Jan-15 A		Review & Approval of Shop draw...											
UDS-CS-20	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	6d	10-Dec-14 A	27-Dec-14 A		Prep. & Sub. Shop drawing for ...											
UDS-CS-20 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to S	21d	27-Dec-14 A	06-Jan-15 A		Review & Approval of Shop draw...											
UDS-CS-30	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	6d	20-Dec-14 A	11-Feb-15 A		Prep. & Sub. Shop drawing for ...											
UDS-CS-30 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to S	21d	11-Feb-15 A	15-Mar-15	23d	Review & Approval of Shop draw...											
UDS-CS-40	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	6d	28-Dec-14 A	11-Feb-15 A		Prep. & Sub. Shop drawing for ...											
UDS-CS-40 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to S	21d	11-Feb-15 A	15-Mar-15	39d	Review & Approval of Shop draw...											
UDS-CS-50	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+000	6d	28-Feb-15	07-Mar-15	48d	Prep. & Sub. Shop drawing for ...											
UDS-CS-50 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to S	21d	08-Mar-15	05-Apr-15	40d	Review & Approval of Shop draw...											
UDS-CS-55	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	6d	08-Mar-15	14-Mar-15	71d	Prep. & Sub. Shop drawing for ...											
UDS-CS-55 R	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to S	21d	15-Mar-15	13-Apr-15	59d	Review & Approval of Shop draw...											
Connect to the existing						09-Feb-15 A, Connect to the ex...											

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015														
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
UDS-CS-240	Prep. & Sub. Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 and 6" (South	10d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-240	Review & Approval of Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 6" (S	21d	31-Jan-15 A	09-Feb-15 A																
UDS-CS-250	Prep. & Sub. Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northern Con	10d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-250	Review & Approval of Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Nortl	21d	31-Jan-15 A	09-Feb-15 A																
Chambers Shopdrawing		95d	18-Dec-14 A	05-Apr-15	98d	05-Apr-15, Chambers Shpdrawin...														
Gate Valve Chambers		33d	31-Jan-15 A	31-Mar-15	78d	31-Mar-15, Gate Valve Chambers														
UDS-CS-060	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	6d	31-Jan-15 A	02-Mar-15	76d															
UDS-CS-060	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21d	03-Mar-15	31-Mar-15	64d															
UDS-CS-090	Prep. & Sub. Shop drawing for 80mm Gate Valve chamber	6d	31-Jan-15 A	02-Mar-15	41d															
UDS-CS-090	Review & Approval of Shop drawing for 80mm Gate Valve chamber	21d	03-Mar-15	31-Mar-15	35d															
AVAR Chambers		31d	25-Jan-15 A	12-Feb-15 A		12-Feb-15 A, AVAR Chambers														
UDS-CS-110	Prep. & Sub. Shop drawing for 75mm AVAR chamber on 150mm pipe	6d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-110	Review & Approval of Shop drawing for 75mm AVAR chamber on 150mm pipe	21d	31-Jan-15 A	12-Feb-15 A																
UDS-CS-120	Prep. & Sub. Shop drawing for 100mm AVAR chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-120	Review & Approval of Shop drawing for 100mm AVAR chamber on 500mm pipe	21d	31-Jan-15 A	12-Feb-15 A																
UDS-CS-160	Prep. & Sub. Shop drawing for 150mm AVAR chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-160	Review & Approval of Shop drawing for 150mm AVAR chamber on 500mm pipe	21d	31-Jan-15 A	12-Feb-15 A																
WO Washout Chambers		31d	25-Jan-15 A	08-Mar-15	99d	08-Mar-15, WO Washout Chambers														
UDS-CS-140	Prep. & Sub. Shop drawing for 75mm WO chamber on 150mm pipe	6d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-140	Review & Approval of Shop drawing for 75mm WO chamber on 150mm pipe	21d	31-Jan-15 A	08-Mar-15	82d															
UDS-CS-150	Prep. & Sub. Shop drawing for 200mm WO chamber on 500mm pipe	6d	25-Jan-15 A	31-Jan-15 A																
UDS-CS-150	Review & Approval of Shop drawing for 200mm WO chamber on 500mm pipe	21d	31-Jan-15 A	08-Mar-15	82d															
BFV Chambers		31d	31-Jan-15 A	05-Apr-15	98d	05-Apr-15, BFV Chambers														
UDS-CS-070	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	6d	31-Jan-15 A	02-Mar-15	73d															
UDS-CS-070	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chaml	21d	03-Mar-15	31-Mar-15	64d															
UDS-CS-080	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	6d	28-Feb-15	07-Mar-15	73d															
UDS-CS-080	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Cham	21d	08-Mar-15	05-Apr-15	61d															
UDS-CS-100	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	6d	28-Feb-15	07-Mar-15	97d															
UDS-CS-100	Review & Approval of Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d															
UDS-CS-180	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d															
UDS-CS-180	Review & Approval of Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation cham	21d	08-Mar-15	05-Apr-15	81d															
UDS-CS-185	Prep. & Sub. Shop drawing for BFV chamber at station 5+570 (500mm isolation chamber 3)	6d	28-Feb-15	07-Mar-15	97d															
UDS-CS-185	Review & Approval of Shop drawing for BFV chamber at station 5+570 (350mm isolation chamber 3)	21d	08-Mar-15	05-Apr-15	81d															
Flow Meter Monitoring chamber		58d	25-Jan-15 A	05-Apr-15	98d	05-Apr-15, Flow Meter Monitori...														
UDS-CS-130	Prep. & Sub. Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	6d	28-Feb-15	07-Mar-15	97d															
UDS-CS-130	Review & Approval of Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station	21d	08-Mar-15	05-Apr-15	81d															
UDS-CS-210	Prep. & Sub. Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	15d	25-Jan-15 A	11-Feb-15 A																
UDS-CS-210	Review & Approval of Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Juncti	21d	11-Feb-15 A	08-Mar-15	68d															
Connection Chambers		55d	20-Jan-15 A	08-Mar-15	117d	08-Mar-15, Connection Chambers														
UDS-CS-190	Prep. & Sub. Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station 4+860	6d	01-Feb-15 A	12-Feb-15 A																
UDS-CS-190	Review & Approval of Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Stator	21d	12-Feb-15 A	08-Mar-15	97d															
UDS-CS-200	Prep. & Sub. Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570	6d	01-Feb-15 A	12-Feb-15 A																
UDS-CS-200	Review & Approval of Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Stati	21d	12-Feb-15 A	08-Mar-15	97d															
UDS-CS-220	Prep. & Sub. Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	6d	20-Jan-15 A	29-Jan-15 A																
UDS-CS-220	Review & Approval of Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0	21d	29-Jan-15 A	31-Jan-15 A																
Check Valve Chambers		43d	18-Dec-14 A	09-Feb-15 A		09-Feb-15 A, Check Valve Chamb...														
UDS-CS-230	Prep. & Sub. Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	20d	18-Dec-14 A	08-Feb-15 A																
UDS-CS-230	Review & Approval of Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	21d	08-Feb-15 A	09-Feb-15 A																
Civil Shopdrawing		35d	28-Feb-15	09-Apr-15	150d	09-Apr-15, Civil Shopdrawing														
UDS-CS-260	Prep. & Sub. Shop drawing for Roads	10d	28-Feb-15	11-Mar-15	151d															
UDS-CS-260 R&A	Review & Approval of Shop drawing for Roads	21d	12-Mar-15	09-Apr-15	124d															
UDS-CS-270	Prep. & Sub. Shop drawing for Formwork	8d	28-Feb-15	09-Mar-15	71d															
UDS-CS-270 R&A	Review & Approval of Shop drawing for Formwork	21d	10-Mar-15	07-Apr-15	59d															
Al-Safi Shopdrawing		105d	10-Dec-14 A	26-Apr-15	110d	26-Apr-15, Al-Safi Shopdrawing														
UDS-CS-280	Prep. & Sub. Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	10d	10-Dec-14 A	25-Jan-15 A																
UDS-CS-280 R&A	Review & Approval of Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	21d	25-Jan-15 A	03-Feb-15 A																
UDS-CS-290	Prep. & Sub. Shop drawing for Steel Pipe Tank Connection	10d	28-Feb-15	11-Mar-15	111d															
UDS-CS-290 R&A	Review & Approval of Shop drawing for Steel Pipe Tank Connection	21d	26-Mar-15	26-Apr-15	91d															

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015																
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
UDS-CMS-40-RA	Review & Approval of Concrete Mix Design	21d	08-Dec-14 A	10-Dec-14 A																		
UDS-CMS-45	Prep. & Sub. Steel Reinforcement	4d	04-Dec-14 A	14-Dec-14 A																		
UDS-CMS-45-RA	Review & Approval of Steel Reinforcement	21d	14-Dec-14 A	15-Dec-14 A																		
UDS-CMS-50	Prep. & Sub. Bituminous Cold Material (for external coating for Concrete Chambers)	3d	17-Dec-14 A	27-Dec-14 A																		
UDS-CMS-50-RA	Review & Approval of Bituminous Cold Material (for external coating for Concrete Chambers)	21d	27-Dec-14 A	11-Jan-15 A																		
UDS-CMS-60	Prep. & Sub. Manhole covers and frames	5d	16-Nov-14 A	26-Nov-14 A																		
UDS-CMS-60-RA	Review & Approval of Manhole covers and frames	21d	26-Nov-14 A	30-Nov-14 A																		
UDS-CMS-70	Prep. & Sub. Pipe's supports	4d	01-Jan-15 A	05-Jan-15 A																		
UDS-CMS-70-RA	Review & Approval of Pipe's supports	21d	05-Jan-15 A	11-Jan-15 A																		
UDS-CMS-80	Prep. & Sub. Manhole Rungs	5d	28-Feb-15	04-Mar-15	74d																	
UDS-CMS-80-RA	Review & Approval of Manhole Rungs	21d	05-Mar-15	02-Apr-15	62d																	
UDS-CMS-90	Prep. & Sub. Asphalt Mix Design	7d	01-Dec-14 A	08-Dec-14 A																		
UDS-CMS-90-RA	Review & Approval of Asphalt Mix Design	21d	08-Dec-14 A	10-Dec-14 A																		
UDS-CMS-91	Prep. & Sub. Prime Coat and Tack Coat	4d	28-Feb-15	03-Mar-15	157d																	
UDS-CMS-91-RA	Review & Approval of Prime Coat and Tack Coat	21d	04-Mar-15	01-Apr-15	130d																	
Electrical Material Submittals		95d	10-Nov-14 A	02-Apr-15	136d	02-Apr-15, Electrical Material...																
UDS-EMS-10	Prep. & Sub. Pressure differential switches	9d	06-Dec-14 A	29-Jan-15 A																		
UDS-EMS-10-RA	Review & Approval of Pressure differential switches	21d	29-Jan-15 A	04-Feb-15 A																		
UDS-EMS-20	Prep. & Sub. Antenna gsm / gprs Modem	5d	28-Feb-15	04-Mar-15	135d																	
UDS-EMS-20-RA	Review & Approval of Antenna gsm / gprs Modem	21d	05-Mar-15	02-Apr-15	112d																	
UDS-EMS-30	Prep. & Sub. Cathode protection: Anodes, Test Stations	5d	11-Dec-14 A	14-Dec-14 A																		
UDS-EMS-30-RA	Review & Approval of Cathode protection: Anodes, Test Stations	21d	14-Dec-14 A	29-Dec-14 A																		
UDS-EMS-40	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit and Link Seal	5d	11-Dec-14 A	14-Dec-14 A																		
UDS-EMS-40-RA	Review & Approval of Cathode protection: Accessories, flanges insulating kit and Link Seal	21d	14-Dec-14 A	29-Dec-14 A																		
UDS-EMS-50	Prep. & Sub. Pressure Transmitters	5d	30-Nov-14 A	08-Dec-14 A																		
UDS-EMS-50-RA	Review & Approval of Pressure Transmitters	21d	08-Dec-14 A	22-Dec-14 A																		
UDS-EMS-60	Prep. & Sub. Magnetic flow-meters	5d	06-Dec-14 A	21-Jan-15 A																		
UDS-EMS-60-RA	Review & Approval of Magnetic flow-meters	21d	21-Jan-15 A	03-Feb-15 A																		
UDS-EMS-70	Prep. & Sub. Magnetic flow-meters for Al-Safi	5d	10-Nov-14 A	13-Nov-14 A																		
UDS-EMS-70-RA	Review & Approval of Magnetic flow-meters for Al-Safi	21d	13-Nov-14 A	25-Nov-14 A																		
Method Statement		109d	10-Nov-14 A	02-Apr-15	144d	02-Apr-15, Method Statement																
UDS-MS-009	Prep. & Sub. Method statement for testing of existing pipeline	5d	04-Dec-14 A	27-Dec-14 A																		
UDS-MS-009-RA	Review & Approval of Method statement for testing of existing pipeline	21d	27-Dec-14 A	05-Jan-15 A																		
UDS-MS-010	Prep. & Sub. Pipeline installation method statement	5d	10-Nov-14 A	03-Dec-14 A																		
UDS-MS-010-RA	Review & Approval of Pipeline installation method statement	21d	03-Dec-14 A	29-Dec-14 A																		
UDS-MS-020	Prep. & Sub. Method Statement for Repairing Pipe Cement Mortar Lining	4d	17-Nov-14 A	25-Jan-15 A																		
UDS-MS-020-RA	Review & Approval of Method Statement for Repairing Pipe Cement Mortar Lining	21d	25-Jan-15 A	29-Jan-15 A																		
UDS-MS-030	Prep. & Sub. Method Statement for Radiographic Testing and safety plan	5d	22-Nov-14 A	25-Jan-15 A																		
UDS-MS-030-RA	Review & Approval of Method Statement for Radiographic Testing and safety plan	21d	25-Jan-15 A	27-Jan-15 A																		
UDS-MS-040	Prep. & Sub. Cathode protection: Installation method statement and Shop Drawing	5d	01-Feb-15 A	05-Feb-15 A																		
UDS-MS-040-RA	Review & Approval of Cathode protection: Installation method statement and Shop Drawing	21d	05-Feb-15 A	15-Mar-15	5d																	
UDS-MS-050	Prep. & Sub. Coating procedure for exposed and/or inside manhole pipes and fittings	5d	06-Dec-14 A	27-Dec-14 A																		
UDS-MS-050-RA	Review & Approval of Coating procedure for exposed and/or inside manhole pipes and fittings	21d	27-Dec-14 A	11-Jan-15 A																		
UDS-MS-060	Prep. & Sub. Method Statement for Pipeline Testing and Disinfection	5d	28-Feb-15	04-Mar-15	131d																	
UDS-MS-060-RA	Review & Approval of Method Statement for Pipeline Testing and Disinfection	21d	05-Mar-15	02-Apr-15	119d																	
Miscellaneous		105d	16-Nov-14 A	02-Apr-15	132d	02-Apr-15, Miscellaneous																
UDS-MIS-10	Prep. & Sub. Welding Procedure	5d	16-Nov-14 A	12-Feb-15 A																		
UDS-MIS-10-RA	Review & Approval of Welding Procedure	21d	12-Feb-15 A	08-Mar-15	10d																	
UDS-MIS-30	Prep. & Sub. Identification Tape	5d	16-Nov-14 A	22-Dec-14 A																		
UDS-MIS-30-RA	Review & Approval of Identification Tape	21d	22-Dec-14 A	29-Dec-14 A																		
UDS-MIS-50	Prep. & Sub. Water Quality Testing Lab	5d	28-Feb-15	04-Mar-15	131d																	
UDS-MIS-50-RA	Review & Approval of Water Quality Testing Lab	21d	05-Mar-15	02-Apr-15	108d																	
UDS-MIS-60	Prep. & Sub. Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	5d	16-Nov-14 A	09-Dec-14 A																		
UDS-MIS-60-RA	Review & Approval of Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	21d	09-Dec-14 A	16-Dec-14 A																		
UDS-MIS-70	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	5d	17-Feb-15 A	28-Feb-15 A																		
UDS-MIS-70-RA	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21d	28-Feb-15 A	15-Mar-15	5d																	
Procurement		113d	17-Dec-14 A	28-May-15	23d	28-May-15, Procurement																
PRO-01	Order of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2d	17-Dec-14 A	18-Dec-14 A																		

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
PRO-1020	Manufacturing of 500 mm, 350mm, 150mm, 80mm Steel Pipes	50d	18-Dec-14 A	16-Mar-15	1d	Manufacturing of 500 mm, 350mm...											
PRO-1030	Delivery of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2d	17-Mar-15	18-Mar-15	1d	Delivery of 500 mm, 350mm, 150...											
PRO-1031	Order of Mechanical electrical fittings	2d	17-Jan-15 A	17-Feb-15 A		Order of Mechanical electrical...											
PRO-1032	Manufacturing of Mechanical and electrical fittings	90d	17-Feb-15 A	28-May-15	23d	Manufacturing of Mechanical an...											
Execution		230d	01-Dec-14 A	03-May-15	125d	03-May-15, Execution											
Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A		93d	01-Dec-14 A	03-May-15	125d	03-May-15, Ras Al Taweel & Al ...											
Yatta Junction Traffic Control		85d	01-Dec-14 A	15-Apr-15	140d	15-Apr-15, Yatta Junction Traf...											
E-R880	Implementation of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	2d	25-Jan-15 A	15-Feb-15 A		Implementation of Traffic Cont...											
E-R890	Maintain of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	83d	15-Feb-15 A	15-Apr-15	82d	Maintain of Traffic Control Pl...											
Yatta Junction and Bani Naim Reservoir Service Connection		39d	31-Jan-15 A	15-Apr-15	82d	15-Apr-15, Yatta Junction and ...											
E-R110	Construction of Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	20d	22-Mar-15	15-Apr-15	82d	Construction of Flow Monitorin...											
E-R120	Construction of Two Check Valve chamber as per detail A/M-0001 at Yatta Junction	15d	28-Feb-15	17-Mar-15	105d	Construction of Two Check Valv...											
E-R130	Construction of Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	20d	31-Jan-15 A	18-Feb-15 A		Construction of Bani Naim Rese...											
Testing of Existing Pipeline		7d	01-Dec-14 A	01-Mar-15	177d	01-Mar-15, Testing of Existing...											
E-T-01	Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to connection	7d	01-Dec-14 A	01-Mar-15	177d	Clean, disinfect and test exis...											
Phase 1		53d	28-Feb-15	03-May-15	67d	03-May-15, Phase 1											
E-R100	Implementation of Traffic Control Plan Phase 1	2d	28-Feb-15	01-Mar-15	15d	Implementation of Traffic Cont...											
E-R850	Maintain of Traffic Control Plan Phase 1	51d	02-Mar-15	03-May-15	67d	Maintain of Traffic Control Pl...											
Pipeline segment from Station 1+000 to station 2+000		36d	28-Feb-15	11-Apr-15	84d	11-Apr-15, Pipeline segment fr...											
Dual Trench 500mm and 150mm Pipelines and chambers		36d	28-Feb-15	11-Apr-15	84d	11-Apr-15, Dual Trench 500mm a...											
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001 and 6" pipe (Southern Connection)	5d	28-Feb-15	04-Mar-15	115d	Cut-in Connect to existing 500...											
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode	20d	19-Mar-15	11-Apr-15	1d	Exc., Bed., Install. and Backf...											
80mm pipes and chambers		1d	22-Mar-15	22-Mar-15	67d	22-Mar-15, 80mm pipes and cham...											
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	1d	22-Mar-15	22-Mar-15	67d	Excavation, Bedding, Installat...											
Al Safi Booster Station - Phase I Pipeline Connection		230d	01-Jan-15 A	22-Mar-15	139d	22-Mar-15, Al Safi Booster Sta...											
COR-1120	Coordination with Engineer for the temporary outage of existing pipeline	14d	01-Jan-15 A	16-Jan-15 A		Coordination with Engineer for...											
Civil and Mechanical Work		180d	17-Jan-15 A	22-Mar-15	139d	22-Mar-15, Civil and Mechanica...											
E-S-09	Fabrication of New 900 X 400 steel Tee	2d	17-Jan-15 A	05-Feb-15 A		Fabrication of New 900 X 400 s...											
E-S-10	Disconnect the 900 DIP Main Pipeline and installation of New 900 X 400 steel Tee with Ductile Flanged	1d	07-Feb-15 A	07-Feb-15 A		Disconnect the 900 DIP Main Pi...											
E-S-20	Installation of 400 mm Flanged dismantling Joint and 400mm Flanged Butterfly Valve including 400 mm	1d	07-Feb-15 A	07-Feb-15 A		Installation of 400 mm Flanged...											
E-S-30	Construction of Conceret Pad as per detail S-190 - S-DT06 and Reconstruct Concrete wall and fence	20d	10-Feb-15 A	21-Mar-15	133d	Construction of Conceret Pad a...											
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	20d	09-Feb-15 A	22-Mar-15	139d	Installation of yard pipeline ...											

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



Annex M:

Progress S-Curve versus Actual



USAID WEST BANK - GAZA - Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

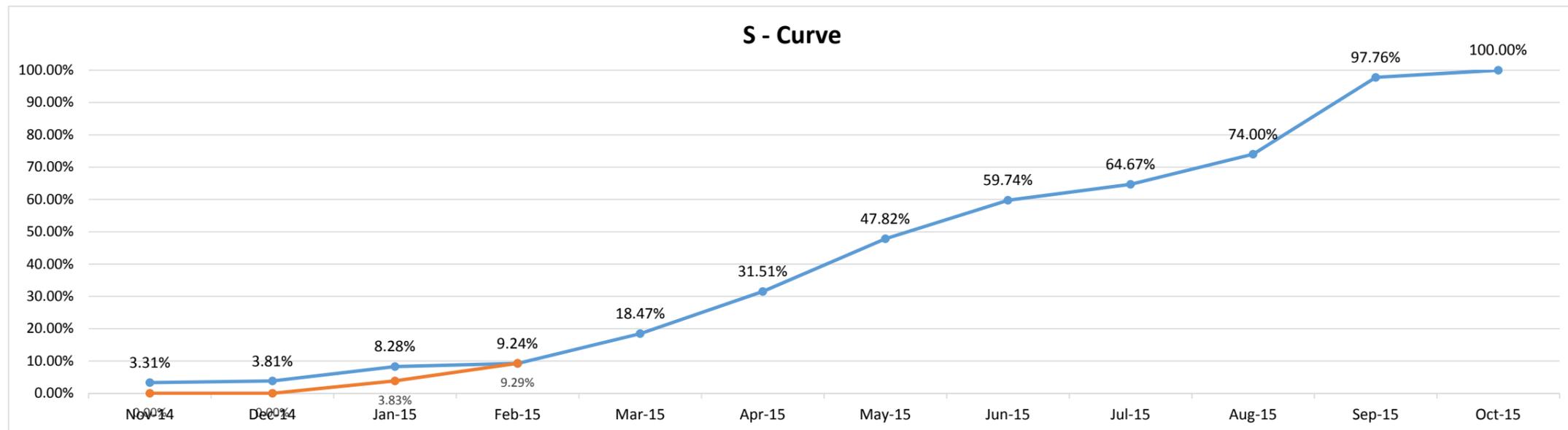
TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection



Progress S-Curve

Date	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
Planned Value	\$ 140,549.57	\$ 21,082.43	\$ 189,800.00	\$ 40,466.68	\$ 391,640.94	\$ 553,574.11	\$ 691,801.93	\$ 505,888.19	\$ 209,189.10	\$ 395,624.14	\$ 1,008,234.66	\$ 94,984.25
Planned Value (Accumulative)	\$ 140,549.57	\$ 161,632.00	\$ 351,432.00	\$ 391,898.68	\$ 783,539.62	\$ 1,337,113.73	\$ 2,028,915.66	\$ 2,534,803.85	\$ 2,743,992.95	\$ 3,139,617.09	\$ 4,147,851.75	\$ 4,242,836.00
Planned %	3.31%	0.50%	4.47%	0.95%	9.23%	13.05%	16.31%	11.92%	4.93%	9.32%	23.76%	2.24%
Planned % (Accumulative)	3.31%	3.81%	8.28%	9.24%	18.47%	31.51%	47.82%	59.74%	64.67%	74.00%	97.76%	100.00%
Actual Value	\$ -	\$ -	\$162,632.00	\$231,340.00								
Actual Value (Accumulative)	\$ -	\$ -	\$162,632.00	\$ 393,972.00								
Actual %	0.00%	0.00%	3.83%	5.45%								
Actual % (Accumulative)	0.00%	0.00%	3.83%	9.29%								



Task Order Total Amount	\$ 4,462,836.00
Daywork amount	\$ 220,000.00
BOQ items amount	\$ 4,242,836.00
Project Duration :	360.00
NTP Date:	4-Nov-14



Annex N:

Approved Original CPM schedule and Narrative report



**UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT
WEST BANK / GAZA**

**LOCAL CONSTRUCTION PROGRAM
(LCP)**

CMC: BLACK & VEATCH

Original CPM Schedule Submittal

Prepared by:



**Contract No: AID-294-I-13-00002
Task Order No: AID-294-TO-14-00002**

To whom it may concern

This is to certify that the submitted Original CPM Schedule for Task Order No: AID-294-TO-14-00002: **Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station**, have been reviewed and approved by the following:

Task Order Manger:

Eng. Swilam Musalam

Narrative report

1. Task Order Overview:

1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Water Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects. This project is the first water project under Local Construction Program (LCP).

1.2. Project Objective

The objective of this task order is to improve water supply distribution capacity and flexibility in the West Bank Water Department's (WBWD) southern area of operations. Specifically the project will improve distribution of water from the Halhul Reservoir and improve supply to Bani Naim and Yatta.

1.3. Statement Of Work

- Installation of approximately 5 km of 500-mm diameter steel pipe transmission main from Halhul connection to Bani Naim connection along the Bani Naim – Sair – Al-'Uddeisa Road.
- Installation of approximately 5 km of 150-mm diameter steel pipe supply pipeline.
- Installation of related accessories including a service connection to Bani Naim Reservoir and three flow meter vaults.
- Construction of emergency service connections at Ras at Tawil & Al 'Uddeisa villages.
- Installation of 16-inch yard-pipe connection from an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
- Installation of related accessories at the Al Safi Booster Station including valves, and minor electrical/SCADA improvements.

1.4. Overview Map

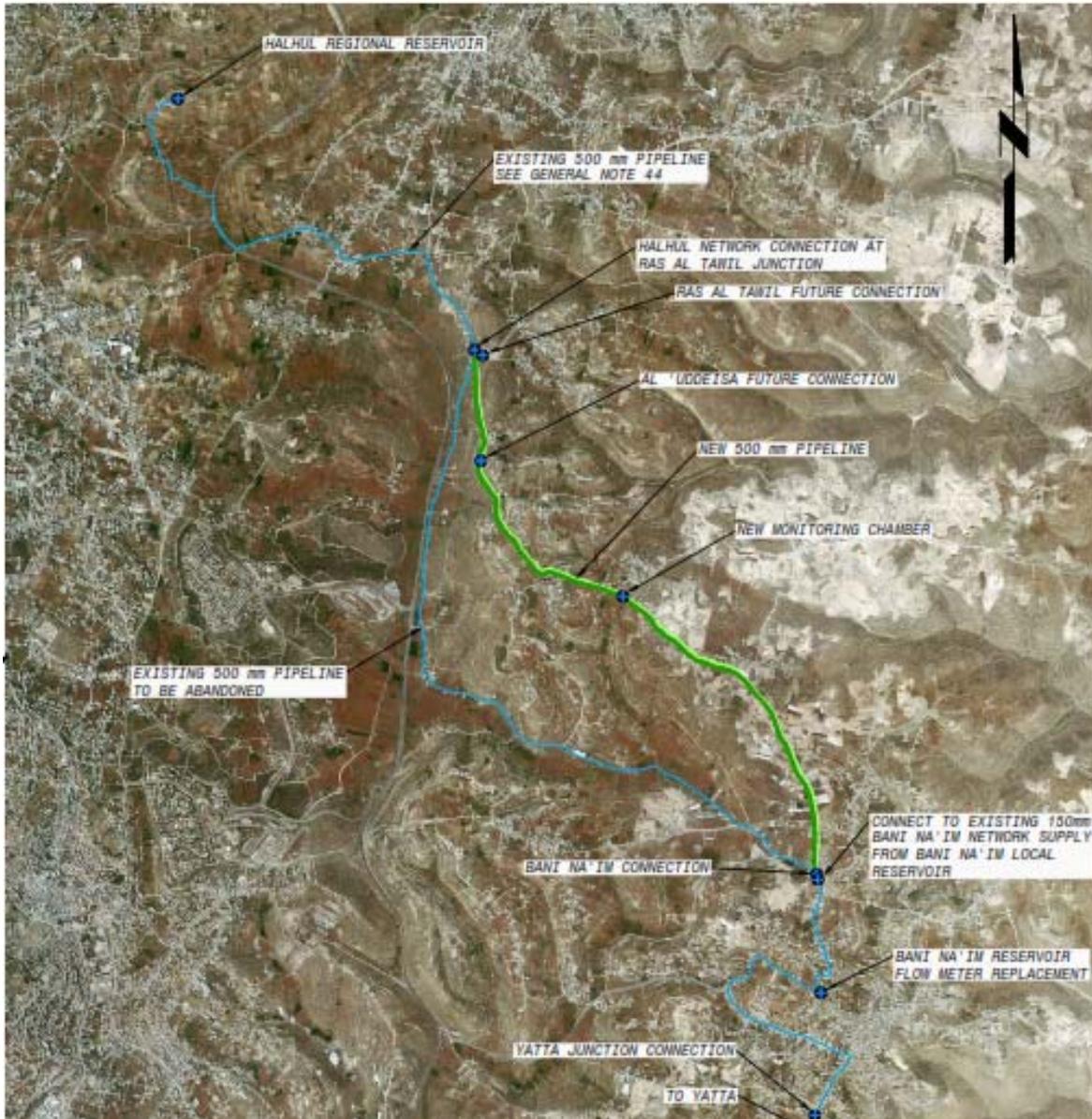
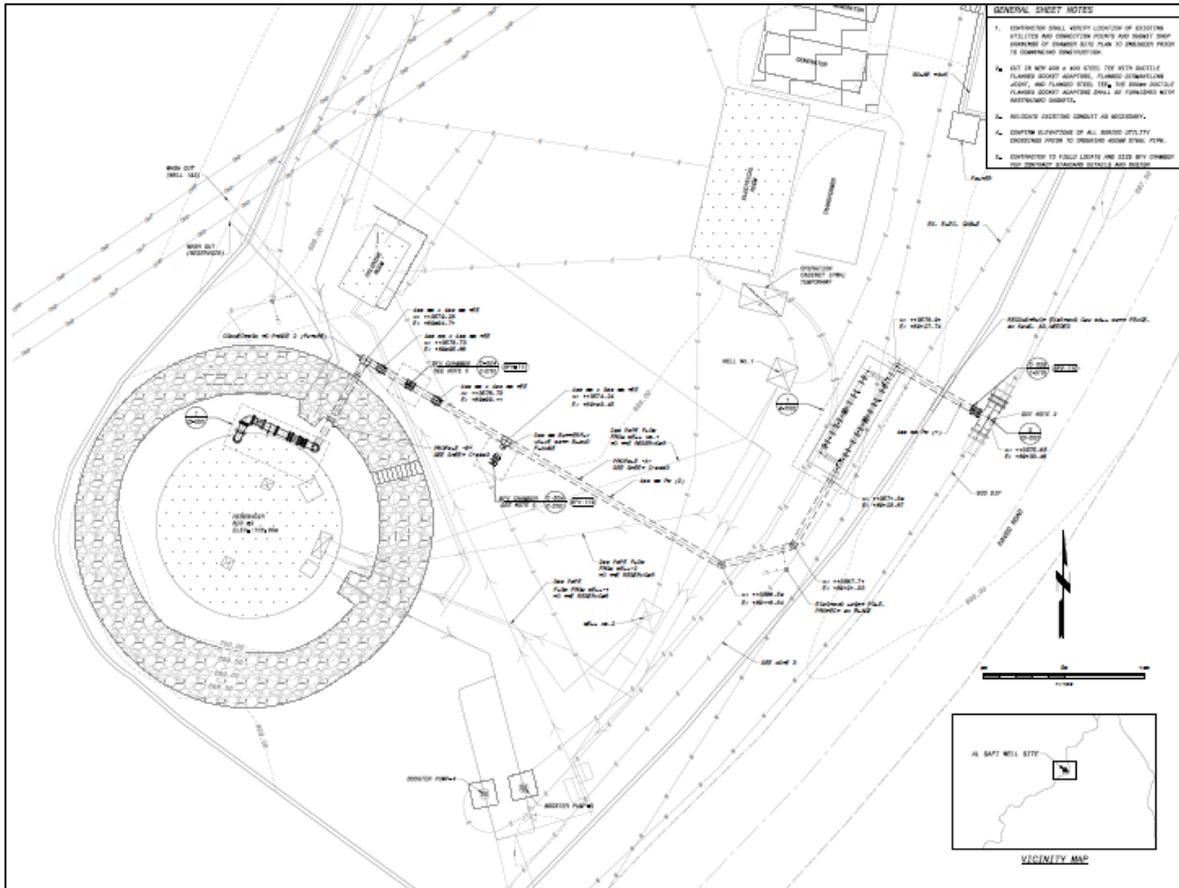


Figure 1: RAS AL TAWIL & AL 'UDEISA WATER INFRASTRUCTURE PHASE 1A



Figure 2: AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION



2. Task Order Key Data

Task Order Name	RAS AL TAWIL & AL 'UDDEISA WATER INFRASTRUCTURE PHASE 1A AND AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION
Contract Number	AID-294-I-13-00002
Task Order Number	AID-294-TO-14-00002
Owner	Palestinian Water Authority (PWA)
Client	USAID West Bank and Gaza
Contractor	Saqqa and Khoudary Co. Ltd. (SAK)
CMC	Black and Veatch (BV)
Task Order Contract Value	\$4,462,836.00
Project Total Amount	\$4,242,836.00
Day work amount	\$220,000.00
Modified Project Total Amount	---
Modified Day work Amount	---
Notice To Proceed	November 04, 2014
Period Of Performance	360 calendar day
Contractual Completion Date	October 29, 2015
Approved Time Extensions	---
Modified Completion Date	---
Start of Construction (Ground Breaking)	---

3. Contract Milestones:

The contractual milestones are:

Start Milestone - Notice to Proceed: November 04, 2014

Finish Milestone - Project Completion: October 29, 2015

4. Permits

The following permits have been obtained for the work under this Task Order.

- ✓ Israeli Civil Administration (ICA) Construction Permit
- ✓ Palestinian Water Authority (PWA) Construction Permits.

5. Project Construction Area

- The project construction area distributed between Areas A, B and C. Therefore; Saqqa and Khoudary will implement a proactive performance of any and all coordination needed with the District Civil Liaison Office (DCL), Civil Administration Departments, Ma'atz (Israeli National Roads Company), the Israeli Police and any other relevant authority or utility that has jurisdiction over any portion of the construction works (work Segment from Station 3+880 to Station 5+597). Coordination includes, but is not limited to, any work needed to obtain approvals; coordinating the movement of personnel, equipment and materials to and from the project site; and any other coordination required by the relevant authorities to ensure no hindrance of the scheduled completion of the project in a timely manner.

- Time Schedule was built and coordinated with the traffic control plan, method statement and site restrains.
- The portion of work that is located within area C is work Segment from Station 3+880 to Station 5+597).

6. Traffic Control Plan

The Original CPM Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

Saqqa and Khoudary - SAK will implement the approved traffic control plan prior to starting any work in the road right-of-way/easement and the traffic control plan and safety measures will be maintained during construction activities.

7. Safety Program:

Saqqa and Khoudary will post OSHA-required notices and establish safety programs prior to starting any work as per the approved safety plan and stated in section C.9.2 of basic IQC Contract; protect life, property and the environment with respect to all work performed under this IQC.

8. Period of Performance

The period of performance for this project **‘RAS AL TAWIL & AL ‘UDEISA WATER INFRASTRUCTURE PHASE 1A AND AL SAFI BOOSTER STATION – PHASE I PIPELINE CONNECTION’** under this Task Order is 360 calendar days from the date of USAID’s issuance of the Notice to Proceed (NTP) to the date of project completion and acceptance by USAID.

1. Task Order Constraints

All schedule constraints were incorporated in the preliminary schedule as required in executed task order section F5.

Activity Name	Constraint
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit Safety Plan	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 45 days after issuance of NTP

9. SAK General approach and Work Plan

Saqqa and Khoudary will execute and perform the aforementioned task order through its own resources and equipment.

SAK will use the CPM scheduling technique to plan, schedule, and tracking and control the performance of work prior, during, and after construction period of the project.

The Original Baseline Schedule comprise all the detailed construction-related activities using the critical path method (CPM). The Schedule provide sufficient detail and clarity to reflect the intricacies and interdependencies of activities so SAK can plan, schedule, monitor, control and report on the progress of his work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.

The original CPM Schedule show detailed construction-related activities for the entire project including preconstruction, construction and post construction Phase, which consist of mobilization, permit acquisition, submittals necessary for material and equipment procurement, submittals necessary for long lead equipment procurement, shop drawing and method statement submittals. In addition to the required activities for commissioning, training and start up.

Saqqa and Khoudary establish the original schedule as follows:

- The project was divided in to three main phases; Preconstruction Phase, Construction Phase and Post Construction phase, in addition to the general and intermediate milestones.
- The **Preconstruction Phase** consist the following:
 - List of Preconstruction Submittals activities that will be submitted during the mobilization period and prior to commencement of any construction activities.
 - List of mobilization activities that will be completed during the initial 30 days after Notice to Proceed (NTP).
 - Coordination activities were scheduled to start immediately after NTP.
- The **Construction Phase** consist the following activities:
 - Construction submittals that include material submittals activities for long lead items including 500mm pipes and fittings, Construction shop drawing submittals activities for pipelines and chambers, and construction method statement submittals.
 - Procurement activities are planned to be started immediately following approval of long lead items submittals.
 - Execution activities for the two project component
 - Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A
 - Al Safi Booster Station – Phase I Pipeline Connection
 - Training, commissioning and start up activities
- The **Post Construction Phase** consist the following activities:
 - Post Construction submittals that include warranties, operation and maintenance manual submittals activities.

For more details, please refer to the original Baseline schedule WBS.

10. Work Breakdown Structure WBS:

WBS Code	WBS Name
TO 14-02-UDSI-BL	Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Stat
TO 14-02-UDSI-BL.1	Milestones
TO 14-02-UDSI-BL.1.1	General Milestones
TO 14-02-UDSI-BL.1.2	Intermediate Milestones
TO 14-02-UDSI-BL.2	PreConstruction Phase
TO 14-02-UDSI-BL.2.MOB	Mobilization
TO 14-02-UDSI-BL.2.2	PreConstruction Submittals
TO 14-02-UDSI-BL.2.1	Traffic Control Plan, Coordination and Permits
TO 14-02-UDSI-BL.3	Construction Phase
TO 14-02-UDSI-BL.3.1	Construction Submittals
TO 14-02-UDSI-BL.3.1.1	Shopdrawing submittals
TO 14-02-UDSI-BL.3.1.1.1	Water Pipeline Shopdrawing
TO 14-02-UDSI-BL.3.1.1.1.1	500mm, 150mm and 80mm Pipes
TO 14-02-UDSI-BL.3.1.1.1.2	Connect to the existing
TO 14-02-UDSI-BL.3.1.1.2	Chambers Shopdrawing
TO 14-02-UDSI-BL.3.1.1.2.1	Gate Valve Chambers
TO 14-02-UDSI-BL.3.1.1.2.2	AVAR Chambers
TO 14-02-UDSI-BL.3.1.1.2.3	WO Washout Chambers
TO 14-02-UDSI-BL.3.1.1.2.4	BFV Chambers
TO 14-02-UDSI-BL.3.1.1.2.5	Flow Meter Monitoring chamber
TO 14-02-UDSI-BL.3.1.1.2.6	Connection Chambers
TO 14-02-UDSI-BL.3.1.1.2.7	Check Valve Chambers
TO 14-02-UDSI-BL.3.1.1.5	Civil Shopdrawing
TO 14-02-UDSI-BL.3.1.1.3	Al-Safi Shopdrawing
TO 14-02-UDSI-BL.3.1.2	Material Submittals
TO 14-02-UDSI-BL.3.1.2.1	Mechanical Material Submittals
TO 14-02-UDSI-BL.3.1.2.2	Civil Material Submittals
TO 14-02-UDSI-BL.3.1.2.3	Electrical Material Submittals
TO 14-02-UDSI-BL.3.1.3	Method Statement
TO 14-02-UDSI-BL.3.1.4	Miscellaneous
TO 14-02-UDSI-BL.3.5	Procurement
TO 14-02-UDSI-BL.3.5.1	Procurement of Mechanical Pipes and Fittings
TO 14-02-UDSI-BL.3.5.2	Procurement of Electrical Materials
TO 14-02-UDSI-BL.3.2	Execution
TO 14-02-UDSI-BL.3.2.1	Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A
TO 14-02-UDSI-BL.3.2.1.3	Yatta Junction Traffic Control
TO 14-02-UDSI-BL.3.2.1.3.6	Yatta Junction and Bani Naim Reservoir Service Connection
TO 14-02-UDSI-BL.3.2.1.3.7	Testing of Existing Pipeline
TO 14-02-UDSI-BL.3.2.1.12	Phase 1
TO 14-02-UDSI-BL.3.2.1.12.1	Pipeline segment from Station 1+000 to station 2+000
TO 14-02-UDSI-BL.3.2.1.12.1.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.12.1.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1	Phase 2
TO 14-02-UDSI-BL.3.2.1.1.2	Pipeline segment from Station 2+000 to station 3+000
TO 14-02-UDSI-BL.3.2.1.1.2.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.2.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1.3	Pipeline segment from Station 3+000 to station 4+000
TO 14-02-UDSI-BL.3.2.1.1.3.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.3.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.2	Phase 3
TO 14-02-UDSI-BL.3.2.1.2.4	Pipeline segment from Station 4+000 to station 5+000
TO 14-02-UDSI-BL.3.2.1.2.5	Pipeline segment from Station 5+000 to station 5+597
TO 14-02-UDSI-BL.3.2.1.8	Mechanical Electrical installation
TO 14-02-UDSI-BL.3.2.1.9	Reinstatement and Road Work
TO 14-02-UDSI-BL.3.2.1.11	Miscellaneous
TO 14-02-UDSI-BL.3.2.1.10	Testing, Training and Commissioning
TO 14-02-UDSI-BL.3.2.2	Al Safi Booster Station – Phase I Pipeline Connection
TO 14-02-UDSI-BL.3.2.2.1	Civil and Mechanical Work
TO 14-02-UDSI-BL.3.2.2.2	SCADA Programming
TO 14-02-UDSI-BL.3.2.2.3	Testing, Training and Commissioning
TO 14-02-UDSI-BL.4	Post Construction Phase
TO 14-02-UDSI-BL.4.1	Post Construction Submittals

11. Work Groups and Crews:

The construction work plan was established based on the following work groups and crews:

Works will be divided into 2 groups (multiple crews):

1. Group 1: Transmission Pipelines group

This work group will be responsible of all execution activities related to the installation of main and distribution pipelines and chambers including but not limited to; excavation, bedding, installation of water pipelines, backfilling, testing, construction of chambers, the list of work crews within this group and productivity rate are as follows:

- ✓ Testing for existing 500 mm DIP pipeline crew.
- ✓ Excavation, Bedding and Backfilling crew: 50-70 linear meters per day.
- ✓ Pipeline installation crew (500mm) including cathode protection and required testing during installation: 40-50 linear meters per day.
- ✓ Cast in-situ concrete chamber crew: 4-5 chambers per month
- ✓ Precast Concrete chamber: available as required.
- ✓ Concrete encasement crew: available as required.
- ✓ Road work crew:

This crew will be responsible of all road and reinstatement activities; including excavation, filling horizontal layer, spreading and compaction of sub base layers, spreading and compaction of base course layers, Supplying, spreading and compacting bituminous wearing course, concrete work and road marking.

- Sub Base crew: 1000 – 1200 m² per day
- Base course crew: 1000 – 1200 m² per day
- Asphalts restoration crew: 150 - 200 linear meters per day for trench asphalt restoration.
- Asphalt Crew: 2000 – 2200 m² of 50mm asphalt per day

2. Group 2: Instrumentations and SCADA

This work group will be responsible for all Instrumentation and SCADA system requirements

Note: the activity “E-M-01: Installation of all mechanical fittings and valves for Chambers - Phase 1” is for installation of mechanical and electrical component at chambers located within segment 1 and segment 2 from station 1+000 to Station 3+000 in addition to Yatta junction chambers and Bani Naim Chamber.

The activity “E-M-02: Installation of all mechanical fittings and valves for Chambers - Phase 2” is for installation of mechanical and electrical component at the remaining chambers from station 3+000 to Station 5+597

For more details regarding the Work Crews, Manpower and Equipment for each crew please refer to below table:



**INFRASTRUCTURE NEEDS PROGRAM INPII
(LCP)**

Table-1: Resources (Manpower and Equipment)

Work Activity	Prime Contractor/Subcontractor	Crew or number of crew	Manpower								Equipment (All Crews)																											
			Foreman	Surveyor	Operator/Driver	Carpenter	Steel Fixer	Steel Welder	Pipe Fitter	Technician or Skilled Labor	Unskilled Labor/Flagman	Survey Station	Saw Cut Machine	Trencher	Excavator	Backhoe JCB	Crane	Bobcat	Wheel Loader	Dump Truck	Grader	120/or St. Small Compactor	Roller	Water Tank	Water Pump / Weld Testing Equipment	Concrete Mixer & Pump	Sprayer Truck	Finisher	Welding Machine	Pressure Testing Apparatus								
Survey Work	SAK	2		2					2		2																											
Shop Drawings		1							2																													
Traffic, Control, Detour and Safety Measures		1	1		1					1	1					1									1													
Group 1																																						
Transmission Pipelines																																						
Trench Excavation	SAK	1																																				
Bedding & Backfilling		1																																				
Pipeline Installation and Cathode Protection		1	1							2	3	2																									2	
Concrete Encasement																																						
Civil & Structural works for valves and connection Chambers		1		2	20		4	6	5		2	3				2	2	1							1													
Mechanical works for valves and connection Chambers		1	1								1	2	3																								1	
Restoration, Cleaning Washing, Hydraulic/Weld testing & Disinfection		1										2	3																								2	

Table-2: Resources (Manpower and Equipm

Work Activity	Prime Contractor/Subcontractor	Crew or number of crew	Manpower								Equipment (All Crews)																			
			Foreman	Surveyor	Operator/Driver	Carpenter	Steel Fixer	Steel Welder	Pipe Fitter	Technician or Skilled Labor	Unskilled Labor/Flagman	Survey Station	Saw Cut Machine	Trencher	Excavator C-330/C-350	Backhoe JCB	Crane	Bobcat	Wheel Loader	Dump Truck	Grader	120/or St. Small Compactor	Roller	Water Tank	Water Pump / Weld Testing Equipment	Concrete Mixer & Pump	Sprayer Truck	Finisher	Welding Machine	Testing Apparatus
Asphalt/Road Reinstatement																														
Asphalt/Road Reinstatement	SAK	1			5					4	5		2			1		1	1			1	1	1				1	1	
Group 2																														
Electro-mechanical Works																														
Instrumentations & SCADA works	SAK	1								3	2																			1

12. Sequence of work and logic Network:

- ✓ Based on the above-mentioned work groups and crews and the task order scope of work, the construction related activities was planned and sequence to minimize public disruption and to complete the project with the time frame.
- ✓ The execution activities were scheduled to be started following approval and implementation of traffic control plan and safety measures.
- ✓ The execution activities will be started following arrival of material and approval of all related construction submittals.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.
- ✓ The project work will be divided into two separate work packages; one for installation of Ras Al Taweel & Al 'Uddeisa transmission pipeline and chambers, and another one for construction of Al Safi Booster Station – Phase I Pipeline Connection.
- ✓ The initial construction activities during the procurement process will be on the following items:
 - Al-Safi Connection: A 16-inch yard-pipe connection from an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
 - Testing of the existing 500mm pipeline.
 - Construction of Yatta Junction and Bani Naim Chambers.
- ✓ The work group of Ras Al Taweel & Al 'Uddeisa transmission pipeline and chambers will start work following delivery of 20" pipes and will start construction activities from Area A, at station 1+000 to allow sufficient time for coordination and approval of traffic control plan form Israeli authority at area B and C.
- ✓ The Group of work for construction of Al Safi Booster Station – Phase I Pipeline Connection will be started during the winter season to perform the 16-inch yard-pipe connection with an adjacent 36-inch PWA supply pipeline to the Al Safi Booster Station balance tank.
- ✓ The critical activities of the project passes through the submission and approval of long lead material items including 500mm pipes and fittings, procurement of such material and installation of 500mm pipes and fittings.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.

13. Critical Path activities

Critical Activities.....40

Activity:	E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1
Activity:	E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2
Activity:	E-S-145	Site inspection/ Support/ Start up (Pre-commissioning)
Activity:	E-S-150	Training
Activity:	E-S-174	Testing and Commissioning of the entire system
Activity:	PCS1000	Warranties
Activity:	PCS1010	Site Hand over and Final Acceptance Certificate
Activity:	PCS1060	Release of Liens and Waiver of Debts and Claims letter
Activity:	PCS1070	Preparation of Final Payment
Activity:	PCS1080	Training Completion Documents
Activity:	PCS1090	Clearance Certificate from Local Authorities
Activity:	PRO-1031	Order of Mechanical electrical fittings
Activity:	PRO-1032	Manufacturing of Mechanical and electrical fittings
Activity:	PRO-1035	Delivery of Mechanical and electrical fittings
Activity:	UDS-A-001	Notice to Proceed (NTP)
Activity:	UDS-A-011	Completion of Task Order
Activity:	UDS-EMS-10	Prep. & Sub. Pressure differential switches
Activity:	UDS-EMS-50	Prep. & Sub. Pressure Transmitters
Activity:	UDS-EMS-60	Prep. & Sub. Magnetic flow-meters
Activity:	UDS-IA-02	Finish of Mobilization
Activity:	UDS-IA-03	Start of Pre-Construction Submittals
Activity:	UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes
Activity:	UDS-MMS-020	Prep. & Sub. Butterfly Valve
Activity:	UDS-MMS-030	Prep. & Sub. Gate Valve
Activity:	UDS-MMS-040	Prep. & Sub. Combination Air Valve
Activity:	UDS-MMS-050	Prep. & Sub. Check Valve
Activity:	UDS-MMS-060	Prep. & Sub. Flow Control Valve
Activity:	UDS-MMS-070	Prep. & Sub. Pressure Relief Valve
Activity:	UDS-MMS-080	Prep. & Sub. Strainer
Activity:	UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve
Activity:	UDS-MMS-110	Prep. & Sub. Dismantling joints
Activity:	UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters
Activity:	UDS-MMS-140	Prep. & Sub. Float (level) control valves
Activity:	UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers
Activity:	UDS-MMS-180	Prep. & Sub. Flanges
Activity:	UDS-MMS-180-RA	Review & Approval of Flanges
Activity:	UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments
Activity:	UDS-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout
Activity:	UDS-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous
Activity:	UDS-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous

14. Scheduling assumptions

14.1. Project Constraint:

All schedule constraints were incorporated in the original CPM schedule as required in executed task order section F5.

Activity Name	Constraint
Start Milestone - Notice to Proceed	November 04, 2014
Finish Milestone - Project Completion:	October 29, 2015
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after issuance of Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit Safety Plan	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 45 days after issuance of NTP

14.2. Activity Codes:

A: General Milestone
 IA: Intermediate Milestone
 MOB: Mobilization
 PC-SUB: Preconstruction Submittals
 R&A: Review and Approval
 COR: Coordination activities
 CS: Construction Submittals
 MMS: Mechanical Material Submittals
 CMS: Civil Material Submittals
 EMS: Electrical Material Submittals
 MS: Method Statement submittals
 MIS: Miscellaneous
 PRO: Procurement
 E: Execution activities
 PCS: Post Construction Submittals

14.3. Calendars:

Three types of calendars were used for the original CPM schedule as follows:

- 7-Day Workweek (without holidays): for Milestones activities

- Working Days: 7 days / week.
- Working Hours: 8 hours / day.
- UDSI - 6 Day Work: for Contractor's activities:
 - Working Days: 6 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday
 - Including local holidays listed below.
 - Including rainy days listed below.
- UDSI - 5 Day Work: for Engineer's activities:
 - Working Days: 5 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday and Saturday.
 - Including local holidays listed below.
- Working Hours (Normal): 8 hours / day,
- Working Hours during month of Ramadan: Saturday – Thursday, 5 hours / day,

During the Ramadan period, the Governmental Authorities, utility agencies, and many other organizations work short hours, normally from 9:00 a.m. to 2:00 p.m. (unless otherwise announced by the Palestinian Government). Traffic patterns change at this time. SAK will accommodate and revise their operations during this period according to their actual working hour requirements.

- Official Palestinian Holidays:
 - ✓ November 15, 2014: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2014: Christmas Day (Western calendar).
 - ✓ January 01, 2015: National Day
 - ✓ April 12, 2015: Easter Day (Eastern)
 - ✓ May 01, 2015: Labor Day (International)
 - ✓ July 18 to July 20, 2015: Eid al-Fitr (Feast of Breaking the Fast)
 - ✓ September 23 to September 27, 2015: Eid al-Adha (Feast of the Sacrifice)
 - ✓ November 15, 2015: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2015: Christmas Day (Western calendar).
 - ✓ Any public holiday that falls on a Friday will be taken on a Thursday but if that Thursday is part of the holiday then the preceding non-holiday day will be taken instead
 - ✓ Any public holiday that falls on a Saturday (for UDSI - 5 Day Work) will be taken on a Sunday but if that Sunday is part of the holiday then the following non-holiday day will be taken instead

- Weather Delays:

The project geographic area has a rainy weather season. SAK is familiar with local climatological conditions and adjust the schedule accordingly. The weather data will be obtained during construction from a reputable source and will be reported on the daily joint reports. The CPM schedule includes 12 days of delay in accordance with FAR 52.236-3.

- ✓ Two days during November 2014: November 23 and 24, 2014.
- ✓ Two days during December 2014: December 15 and 16, 2014.
- ✓ Five days during January 2015: January 3, 4, 7, 8, and 10, 2015.
- ✓ Two days during February 2015: February 5, 7, 2015.
- ✓ One day during March 2015: March 5, 2015.

14.4. Duration Estimates:

The activities included in the CPM Schedule defined in work days. Durations based on the labor (crafts), equipment, and materials required performing each activity on a normal workday basis. Maximum Activity durations is 20 working days or less except in the case of non-construction activities such as procurement of materials and delivery of equipment.

Duration estimate based on the Productivity rates mentioned above.

For submittal review activities, the original duration was established to be 21 working days associated with project calendar of 5 day work week, which is equal to 30 calendar days as per contract specifications

14.5. Primavera Setting

A. Schedule Options:

- i. defined as “Use expected finish dates”;
- ii. Scheduling progressed activities set as “Use only retained logic”, not progress override option;
- iii. Critical Path activities defined as Total Float less than or equal to zero;
- iv. Calculating start-to-start lag from “early start” dates; and computing total float as “finish float = late finish – early finish”;
- v. Calendar set for scheduling relationship lag as “Predecessor Activity Calendar.”

B. Activity progress will be shown using Remaining Duration. Date format DDMMYY.

C. The Default activity type is “Independent Task”.

D. Date/time activity constraint(s): included in the original BL schedule as per executed task order Section F.5 REPORTS AND DELIVERABLES OR OUTPUTS.

14.6. Scheduling setting

- SchedulingYes
- LevelingNo
- Ignore relationships to and from other projectsNo
- Make open-ended activities criticalNo
- Use Expected Finish DatesYes
- Schedule automatically when a change affects datesNo
- Level resources during schedulingNo
- Recalculate assignment costs after schedulingNo
- When scheduling progressed activities useRetained Logic
- Calculate start-to-start lag fromEarly Start
- Define critical activities as Total Float less than or equal to 0
- Compute Total Float asFinish Float
- Calculate float based on finish date ofEach project
- Calendar for scheduling Relationship LagPredecessor Activity Calendar
- Advanced
-
- Calculate multiple float paths.....No

14.7. Scheduling Statistics:

# Projects.....	1
# Activities.....	385
# Not Started.....	385
# In Progress.....	0
# Completed.....	0
# Relationships.....	864
# Activities with Constraint.....	10
Activity: UDS-A-001	Notice to Proceed (NTP)
Activity: UDS-A-011	Completion of Task Order
Activity: UDS-IA-02	Finish of Mobilization
Activity: UDS-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal
Activity: UDS-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)
Activity: UDS-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V
Activity: UDS-PC-SUB-11	Preparation & Submit Safety Plan
Activity: UDS-PC-SUB-13	Preparation & Submit Environmental Monitoring and Mitigation Plan
Activity: UDS-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule
Activity: UDS-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule

Graphical Report for:
Critical Path Activities

Activity ID	Activity Name	Start	Finish	Critical	Total Float	2015												2016					
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station						29-Oct-15, Baseline																	
Milestones						29-Oct-15, Mileston																	
General Milestones						29-Oct-15, General																	
UDS-A-001	Notice to Proceed (NTP)	04-Nov-14*		☑	0.00	◆ Notice to Proceed (NTP)																	
UDS-A-011	Completion of Task Order		29-Oct-15*	☑	0.00	◆ Completion of Task																	
Intermediate Milestones						04-Dec-14, Intermediate Milest...																	
UDS-IA-02	Finish of Mobilization		04-Dec-14*	☑	0.00	◆ Finish of Mobilization																	
UDS-IA-03	Start of Pre-Construction Submittals	04-Nov-14		☑	0.00	◆ Start of Pre-Construction Subm...																	
PreConstruction Phase						03-Dec-14, PreConstruction Pha...																	
Mobilization						03-Dec-14, Mobilization																	
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	02-Dec-14	03-Dec-14	☑	0.00	▼ 03-Dec-14, Mobilization Supply and install Field Offic...																	
PreConstruction Submittals						01-Dec-14, PreConstruction Sub...																	
UDS-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	04-Nov-14	05-Nov-14	☑	0.00	▼ 01-Dec-14, PreConstruction Sub... Preparation & Submit Engineer'...																	
UDS-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	04-Nov-14	09-Nov-14	☑	0.00	Preparation & Submit Field Off...																	
UDS-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	10-Nov-14	01-Dec-14	☑	0.00	Review & Approval of Field Off...																	
Construction Phase						29-Oct-15, Constru																	
Construction Submittals						18-Feb-15, Construction Submitt...																	
Material Submittals						18-Feb-15, Material Submittals																	
Mechanical Material Submittals						18-Feb-15, Mechanical Material...																	
UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes	16-Nov-14	20-Nov-14	☑	0.00	Prep. & Sub. 500mm Steel Pipes																	
UDS-MMS-020	Prep. & Sub. Butterfly Valve	16-Nov-14	20-Nov-14	☑	0.00	Prep. & Sub. Butterfly Valve																	
UDS-MMS-030	Prep. & Sub. Gate Valve	06-Dec-14	10-Dec-14	☑	0.00	Prep. & Sub. Gate Valve																	
UDS-MMS-040	Prep. & Sub. Combination Air Valve	22-Dec-14	28-Dec-14	☑	0.00	Prep. & Sub. Combination Air V...																	
UDS-MMS-050	Prep. & Sub. Check Valve	22-Dec-14	06-Jan-15	☑	0.00	Prep. & Sub. Check Valve																	
UDS-MMS-060	Prep. & Sub. Flow Control Valve	06-Dec-14	10-Dec-14	☑	0.00	Prep. & Sub. Flow Control Valv...																	
UDS-MMS-070	Prep. & Sub. Pressure Relief Valve	08-Dec-14	21-Dec-14	☑	0.00	Prep. & Sub. Pressure Relief V...																	
UDS-MMS-080	Prep. & Sub. Strainer	22-Nov-14	29-Nov-14	☑	0.00	Prep. & Sub. Strainer																	
UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve	22-Dec-14	28-Dec-14	☑	0.00	Prep. & Sub. Combined flow con...																	
UDS-MMS-110	Prep. & Sub. Dismantling joints	22-Nov-14	29-Nov-14	☑	0.00	Prep. & Sub. Dismantling joint...																	
UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters	22-Dec-14	28-Dec-14	☑	0.00	Prep. & Sub. Mechanical coupli...																	
UDS-MMS-140	Prep. & Sub. Float (level) control valves	29-Dec-14	06-Jan-15	☑	0.00	Prep. & Sub. Float (level) con...																	
UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers	11-Jan-15	14-Jan-15	☑	0.00	Prep. & Sub. Bolts, studs, nut...																	
UDS-MMS-180	Prep. & Sub. Flanges	15-Jan-15	20-Jan-15	☑	0.00	Prep. & Sub. Flanges																	
UDS-MMS-180-RA	Review & Approval of Flanges	21-Jan-15	18-Feb-15	☑	0.00	Review & Approval of Flanges																	
Electrical Material Submittals						17-Dec-14, Electrical Material...																	
UDS-EMS-10	Prep. & Sub. Pressure differential switches	06-Dec-14	17-Dec-14	☑	0.00	Prep. & Sub. Pressure differen...																	
UDS-EMS-50	Prep. & Sub. Pressure Transmitters	30-Nov-14	04-Dec-14	☑	0.00	Prep. & Sub. Pressure Transmit...																	
UDS-EMS-60	Prep. & Sub. Magnetic flow-meters	06-Dec-14	10-Dec-14	☑	0.00	Prep. & Sub. Magnetic flow-met...																	
Procurement						04-Aug-15, Procurement																	
PRO-1031	Order of Mechanical electrical fittings	19-Feb-15	22-Feb-15	☑	0.00	Order of Mechanical electrical...																	
PRO-1032	Manufacturing of Mechanical and electrical fittings	23-Feb-15	08-Jul-15	☑	0.00	Manufacturing of Mechanical an...																	
PRO-1035	Delivery of Mechanical and electrical fittings	08-Jul-15	04-Aug-15	☑	0.00	Delivery of Mechanical and ele...																	
Execution						29-Oct-15, Executio																	
Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A						29-Oct-15, Ras Al T																	
Mechanical Electrical installation						04-Oct-15, Mechanical E																	
Mechanical Valves and Fittings						04-Oct-15, Mechanical V																	
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	04-Aug-15	01-Sep-15	☑	0.00	Installation of all mechanical...																	
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	01-Sep-15	04-Oct-15	☑	0.00	Installation of all mechan																	
Testing, Training and Commissioning						29-Oct-15, Testing,																	
E-S-145	Site inspection/ Support/ Start up (Precommissioning)	04-Oct-15	15-Oct-15	☑	0.00	Site inspection/ Suppo																	

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

Activity ID	Activity Name	Start	Finish	Critical	Total Float	2015												2016	
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
E-S-150	Training	15-Oct-15	22-Oct-15	☑	0.00														Training
E-S-174	Testing and Commissioning of the entire system	22-Oct-15	29-Oct-15	☑	0.00														Testing and Commis
Post Construction Phase		15-Oct-15	29-Oct-15		0.00														▼ 29-Oct-15, Post Co
Post Construction Submittals		15-Oct-15	29-Oct-15		0.00														▼ 29-Oct-15, Post Co
PCS1000	Warranties	15-Oct-15	21-Oct-15	☑	0.00														Warranties
PCS1010	Site Hand over and Final Acceptance Certificate	26-Oct-15	28-Oct-15	☑	0.00														Site Hand over and
PCS1060	Release of Liens and Waiver of Debts and Claims letter	26-Oct-15	29-Oct-15	☑	0.00														Release of Liens an
PCS1070	Preparation of Final Payment	26-Oct-15	29-Oct-15	☑	0.00														Preparation of Final
PCS1080	Training Completion Documents	21-Oct-15	26-Oct-15	☑	0.00														Training Completion
PCS1090	Clearance Certificate from Local Authorities	26-Oct-15	29-Oct-15	☑	0.00														Clearance Certificat

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

Report for:
Activities sorted by Early Start and Total Float

Activity ID	Activity Name	Start	Finish	Critical	Total Float	2015												2016	
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Station						29-Oct-15, Baseline													
Milestones						29-Oct-15, Mileston													
General Milestones						29-Oct-15, General													
UDS-A-001	Notice to Proceed (NTP)	04-Nov-14*		☑	0.00	◆ Notice to Proceed (NTP)													
UDS-A-011	Completion of Task Order		29-Oct-15*	☑	0.00	◆ Completion of Task													
Intermediate Milestones						29-Oct-15, Intermed													
UDS-IA-01	Start of Mobilization	04-Nov-14		☐	25.00	◆ Start of Mobilization													
UDS-IA-02	Finish of Mobilization		04-Dec-14*	☑	0.00	◆ Finish of Mobilization													
UDS-IA-03	Start of Pre-Construction Submittals	04-Nov-14		☑	0.00	◆ Start of Pre-Construction Subm...													
UDS-IA-04	Finish of Pre-Construction Submittals		12-Jan-15	☐	67.00	◆ Finish of Pre-Construction Sub...													
UDS-IA-05	Start of Construction Submittals	14-Nov-14		☐	2.00	◆ Start of Construction Submitta...													
UDS-IA-06	Finish of Construction Submittals		04-May-15	☐	177.00	◆ Finish of Construction Submitt...													
UDS-IA-16	Start of Construction (Ground Breaking)	12-Mar-15		☐	9.00	◆ Start of Construction (Ground ...													
UDS-IA-20	Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	13-Jan-15		☐	67.00	◆ Start of Construction of Ras A...													
UDS-IA-26	Finish of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A		04-Oct-15	☐	11.00	◆ Finish of Construction of													
UDS-IA-30	Start of Construction of Al Safi Booster Station – Phase I Pipeline Connection	13-Jan-15		☐	267.00	◆ Start of Construction of Al Sa...													
UDS-IA-36	Finish of Construction of Al Safi Booster Station – Phase I Pipeline Connection		04-Oct-15	☐	11.00	◆ Finish of Construction of													
UDS-IA-46	Project Duration	04-Nov-14	29-Oct-15	☐	0.00	◆ Project Duration													
PreConstruction Phase						12-Mar-15, PreConstruction Pha...													
Mobilization						03-Dec-14, Mobilization													
UDS-MOB-01	Pre-Construction Dilapidation Survey	04-Nov-14	09-Nov-14	☐	18.00	◆ Pre-Construction Dilapidation ...													
UDS-MOB-02	Provide, furnish and erect Temporary Project Signs	25-Nov-14	25-Nov-14	☐	7.00	◆ Provide, furnish and erect Tem...													
UDS-MOB-03	Supply and furnish Field Office Furniture and Miscellaneous	26-Nov-14	27-Nov-14	☐	4.00	◆ Supply and furnish Field Offic...													
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	02-Dec-14	03-Dec-14	☑	0.00	◆ Supply and install Field Offic...													
UDS-MOB-05	Arrange for and erect Contractor's work and Storage Yards	04-Nov-14	05-Nov-14	☐	18.00	◆ Arrange for and erect Contract...													
UDS-MOB-06	Moving onto the Sites of all Plant and equipments	06-Nov-14	09-Nov-14	☐	18.00	◆ Moving onto the Sites of all P...													
UDS-MOB-07	Post OSHA-required notices and establish safety programs	04-Nov-14	05-Nov-14	☐	21.00	◆ Post OSHA-required notices and...													
UDS-MOB-08	Installation of Temporary Facilities as per section 01500	04-Nov-14	09-Nov-14	☐	18.00	◆ Installation of Temporary Faci...													
UDS-MOB-09	Mobilization Summary	04-Nov-14	03-Dec-14	☐	0.00	◆ Mobilization Summary													
PreConstruction Submittals						12-Jan-15, PreConstruction Sub...													
UDS-PC-SUB-01	Preparation & Submit Copy of Bank Guarantee Certificates	04-Nov-14	04-Nov-14	☐	77.00	◆ Preparation & Submit Copy of B...													
UDS-PC-SUB-01-R&A	Review & Approval of Bank Guarantee Certificates	05-Nov-14	04-Dec-14	☐	73.00	◆ Review & Approval of Bank Guar...													
UDS-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal	04-Nov-14	04-Nov-14*	☐	5.00	◆ Preparation & Submit Schedulin...													
UDS-PC-SUB-02-R&A	Review & Approval of Scheduling Qualification Submittal	05-Nov-14	04-Dec-14	☐	73.00	◆ Review & Approval of Schedulin...													
UDS-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	05-Nov-14	06-Nov-14*	☐	5.00	◆ Preparation & Submit Prelimina...													
UDS-PC-SUB-03-R&A	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	09-Nov-14	08-Dec-14	☐	9.13	◆ Review & Approval of Prelimina...													
UDS-PC-SUB-04	Preparation & Submit Submittals Schedule	04-Nov-14	05-Nov-14	☐	34.13	◆ Preparation & Submit Submittal...													
UDS-PC-SUB-04-R&A	Review & Approval of Submittals Schedule	06-Nov-14	07-Dec-14	☐	31.13	◆ Review & Approval of Submittal...													
UDS-PC-SUB-05	Preparation & Submit Key Staff	04-Nov-14	05-Nov-14	☐	76.00	◆ Preparation & Submit Key Staff													
UDS-PC-SUB-05-R&A	Review & Approval of Key Staff	06-Nov-14	07-Dec-14	☐	72.00	◆ Review & Approval of Key Staff													
UDS-PC-SUB-06	Preparation & Submit Project Temporary Signs	04-Nov-14	05-Nov-14	☐	9.00	◆ Preparation & Submit Project T...													
UDS-PC-SUB-06-R&A	Review & Approval of Project Temporary Signs	06-Nov-14	23-Nov-14	☐	7.00	◆ Review & Approval of Project T...													
UDS-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	04-Nov-14	05-Nov-14	☑	0.00	◆ Preparation & Submit Engineer'...													
UDS-PC-SUB-07-R&A	Review & Approval of Engineer's Field Office Location and Layout	06-Nov-14	23-Nov-14	☐	5.00	◆ Review & Approval of Engineer'...													
UDS-PC-SUB-08	Preparation & Submit Field Office Furniture and Equipment Plan	06-Nov-14	08-Nov-14	☐	3.00	◆ Preparation & Submit Field Off...													
UDS-PC-SUB-08-R&A	Review & Approval of Field Office Furniture and Equipment Plan	09-Nov-14	25-Nov-14	☐	3.00	◆ Review & Approval of Field Off...													
UDS-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	04-Nov-14	09-Nov-14	☑	0.00	◆ Preparation & Submit Field Off...													
UDS-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	10-Nov-14	01-Dec-14	☑	0.00	◆ Review & Approval of Field Off...													
UDS-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V	04-Nov-14	09-Nov-14*	☐	19.00	◆ Preparation & Submit Quality C...													
UDS-PC-SUB-10-R&A	Review & Approval of Quality Control Plan with Testing Lab C.V	10-Nov-14	09-Dec-14	☐	29.13	◆ Review & Approval of Quality C...													

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

SR-01 Classic Schedule Report - Sort by ES, TF

Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-A-001	Notice to Proceed (NTP)	0.00	0.00	0%	04-Nov-14*		04-Nov-14		0.00
UDS-PC-SUB-C	Preparation & Submit Engineer's Field Office Location and Layout	2.00	2.00	0%	04-Nov-14	05-Nov-14	04-Nov-14	05-Nov-14	0.00
UDS-PC-SUB-C	Preparation & Submit Field Office Computer Systems and Miscellaneous	5.00	5.00	0%	04-Nov-14	09-Nov-14	04-Nov-14	09-Nov-14	0.00
UDS-IA-03	Start of Pre-Construction Submittals	0.00	0.00	0%	04-Nov-14		04-Nov-14		0.00
UDS-MOB-09	Mobilization Summary	23.00	23.00	0%	04-Nov-14	03-Dec-14	29-Nov-14	03-Dec-14	0.00
UDS-IA-46	Project Duration	275.00	275.00	0%	04-Nov-14	29-Oct-15	04-Nov-14	29-Oct-15	0.00
UDS-PC-SUB-C	Preparation & Submit Scheduling Qualification Submittal	1.00	1.00	0%	04-Nov-14	04-Nov-14*	10-Nov-14	10-Nov-14	5.00
UDS-PC-SUB-C	Preparation & Submit Project Temporary Signs	2.00	2.00	0%	04-Nov-14	05-Nov-14	16-Nov-14	17-Nov-14	9.00
UDS-MOB-01	Pre-Construction Dilapidation Survey	5.00	5.00	0%	04-Nov-14	09-Nov-14	29-Nov-14	03-Dec-14	18.00
UDS-MOB-05	Arrange for and erect Contractor's work and Storage Yards	2.00	2.00	0%	04-Nov-14	05-Nov-14	29-Nov-14	30-Nov-14	18.00
UDS-MOB-08	Installation of Temporary Facilities as per section 01500	5.00	5.00	0%	04-Nov-14	09-Nov-14	29-Nov-14	03-Dec-14	18.00
UDS-PC-SUB-1	Preparation & Submit Quality Control Plan with Testing Lab	5.00	5.00	0%	04-Nov-14	09-Nov-14*	30-Nov-14	04-Dec-14	19.00
UDS-MOB-07	Post OSHA-required notices and establish safety programs	2.00	2.00	0%	04-Nov-14	05-Nov-14	02-Dec-14	03-Dec-14	21.00
UDS-IA-01	Start of Mobilization	0.00	0.00	0%	04-Nov-14		29-Nov-14		25.00
UDS-PC-SUB-1	Preparation & Submit Safety Plan	5.00	5.00	0%	04-Nov-14	09-Nov-14*	11-Dec-14	18-Dec-14	29.00
UDS-PC-SUB-1	Preparation & Submit Environmental Monitoring and Mitigation Plan	3.00	3.00	0%	04-Nov-14	06-Nov-14*	14-Dec-14	18-Dec-14	31.00
UDS-PC-SUB-1	Preparation & Submit Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	5.00	5.00	0%	04-Nov-14	09-Nov-14	14-Dec-14	22-Dec-14	31.13
UDS-PC-SUB-1	Preparation & Submit General Construction Method Statement	5.00	5.00	0%	04-Nov-14	09-Nov-14	14-Dec-14	22-Dec-14	31.13
UDS-PC-SUB-C	Preparation & Submit Submittals Schedule	2.00	2.00	0%	04-Nov-14	05-Nov-14	20-Dec-14	22-Dec-14	34.13
UDS-COR-04	Coordination with Maatz and obtain the required permits - If applicable Area C	90.00	90.00	0%	04-Nov-14	12-Mar-15	31-Dec-14	11-May-15	39.00
UDS-COR-03	Coordination with Local authorities and obtain required permits for start of construction	20.00	20.00	0%	04-Nov-14	02-Dec-14	20-Jan-15	17-Feb-15	52.00
UDS-PC-SUB-2	Preparation & Submit Lists of Permits and Licenses	2.00	2.00	0%	04-Nov-14	05-Nov-14	25-Jan-15	26-Jan-15	58.00
UDS-PC-SUB-1	Preparation & Submit Construction Risk Management Program	5.00	5.00	0%	04-Nov-14	09-Nov-14	14-Feb-15	18-Feb-15	73.00
UDS-PC-SUB-C	Preparation & Submit Key Staff	2.00	2.00	0%	04-Nov-14	05-Nov-14	17-Feb-15	18-Feb-15	76.00
UDS-PC-SUB-1	Preparation & Submit Insurances	2.00	2.00	0%	04-Nov-14	05-Nov-14	17-Feb-15	18-Feb-15	76.00
UDS-PC-SUB-C	Preparation & Submit Copy of Bank Guarantee Certificates	1.00	1.00	0%	04-Nov-14	04-Nov-14	18-Feb-15	18-Feb-15	77.00
UDS-COR-02	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45.00	45.00	0%	04-Nov-14	08-Jan-15	01-Mar-15	05-May-15	80.00
UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals	45.00	45.00	0%	04-Nov-14	08-Jan-15	01-Mar-15	05-May-15	80.00
UDS-PC-SUB-5	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir	5.00	5.00	0%	04-Nov-14	09-Nov-14	17-Sep-15	28-Sep-15	243.00
UDS-PC-SUB-C	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	2.00	2.00	0%	05-Nov-14	06-Nov-14*	11-Nov-14	12-Nov-14	5.00
UDS-PC-SUB-C	Review & Approval of Bank Guarantee Certificates	21.00	21.00	0%	05-Nov-14	04-Dec-14	19-Feb-15	19-Mar-15	73.00
UDS-PC-SUB-C	Review & Approval of Scheduling Qualification Submittal	21.00	21.00	0%	05-Nov-14	04-Dec-14	19-Feb-15	19-Mar-15	73.00
UDS-PC-SUB-C	Preparation & Submit Field Office Furniture and Equipment Plan	2.00	2.00	0%	06-Nov-14	08-Nov-14	10-Nov-14	11-Nov-14	3.00
UDS-PC-SUB-C	Review & Approval of Engineer's Field Office Location and Layout	11.00	11.00	0%	06-Nov-14	23-Nov-14	13-Nov-14	30-Nov-14	5.00
UDS-PC-SUB-C	Review & Approval of Project Temporary Signs	11.00	11.00	0%	06-Nov-14	23-Nov-14	18-Nov-14	02-Dec-14	7.00
UDS-MOB-06	Moving onto the Sites of all Plant and equipments	3.00	3.00	0%	06-Nov-14	09-Nov-14	01-Dec-14	03-Dec-14	18.00

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-COR-01	Receive Final for Construction Drawings	1.00	1.00	0%	06-Nov-14	06-Nov-14	03-Dec-14	03-Dec-14	18.00
UDS-PC-SUB-C	Review & Approval of Submittals Schedule	21.00	21.00	0%	06-Nov-14	07-Dec-14	22-Dec-14	22-Jan-15	31.13
UDS-PC-SUB-2	Preparation & Submit Dumping Site	4.00	4.00	0%	06-Nov-14	10-Nov-14	27-Jan-15	31-Jan-15	58.00
UDS-PC-SUB-C	Review & Approval of Key Staff	21.00	21.00	0%	06-Nov-14	07-Dec-14	19-Feb-15	19-Mar-15	72.00
UDS-PC-SUB-1	Review & Approval of Insurances	21.00	21.00	0%	06-Nov-14	07-Dec-14	19-Feb-15	19-Mar-15	72.00
UDS-PC-SUB-2	Review & Approval of Lists of Permits and Licenses	21.00	21.00	0%	06-Nov-14	07-Dec-14	19-Feb-15	19-Mar-15	72.00
UDS-PC-SUB-1	Preparation & Submit Dilapidation Survey	3.00	3.00	0%	06-Nov-14	09-Nov-14	16-Feb-15	18-Feb-15	73.00
UDS-PC-SUB-C	Review & Approval of Field Office Furniture and Equipment Plan	12.00	12.00	0%	09-Nov-14	25-Nov-14	12-Nov-14	30-Nov-14	3.00
UDS-PC-SUB-1	Preparation & Submit Original CPM Construction Schedule	25.00	25.00	0%	09-Nov-14	10-Dec-14*	16-Nov-14	18-Dec-14	5.00
UDS-PC-SUB-C	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21.00	21.00	0%	09-Nov-14	08-Dec-14	23-Nov-14	22-Dec-14	9.13
UDS-PC-SUB-1	Review & Approval of Environmental Monitoring and Mitigation Plan	21.00	21.00	0%	09-Nov-14	08-Dec-14	19-Feb-15	19-Mar-15	71.00
UDS-PC-SUB-C	Review & Approval of Field Office Computer Systems and Miscellaneous	15.00	15.00	0%	10-Nov-14	01-Dec-14	10-Nov-14	01-Dec-14	0.00
UDS-PC-SUB-1	Review & Approval of Quality Control Plan with Testing Lab C.V	21.00	21.00	0%	10-Nov-14	09-Dec-14	22-Dec-14	22-Jan-15	29.13
UDS-PC-SUB-1	Review & Approval of Safety Plan	21.00	21.00	0%	10-Nov-14	09-Dec-14	22-Dec-14	22-Jan-15	29.13
UDS-PC-SUB-1	Review & Approval of General Construction Method	21.00	21.00	0%	10-Nov-14	09-Dec-14	22-Dec-14	22-Jan-15	29.13
UDS-MS-010	Prep. & Sub. Pipeline installation method statement	5.00	5.00	0%	10-Nov-14	16-Nov-14	26-Jan-15	31-Jan-15	54.00
UDS-PC-SUB-1	Review & Approval of Construction Risk Management Program	21.00	21.00	0%	10-Nov-14	09-Dec-14	19-Feb-15	19-Mar-15	70.00
UDS-PC-SUB-1	Review & Approval of Dilapidation Survey	21.00	21.00	0%	10-Nov-14	09-Dec-14	19-Feb-15	19-Mar-15	70.00
UDS-PC-SUB-5	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir	21.00	21.00	0%	10-Nov-14	09-Dec-14	28-Sep-15	27-Oct-15	211.13
UDS-PC-SUB-2	Preparation & Submit Storage Yard	5.00	5.00	0%	11-Nov-14	17-Nov-14	01-Feb-15	08-Feb-15	58.00
UDS-PC-SUB-2	Review & Approval of Dumping Site	21.00	21.00	0%	11-Nov-14	10-Dec-14	19-Feb-15	19-Mar-15	69.00
UDS-IA-05	Start of Construction Submittals	0.00	0.00	0%	14-Nov-14		16-Nov-14		2.00
UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes	5.00	5.00	0%	16-Nov-14	20-Nov-14	16-Nov-14	20-Nov-14	0.00
UDS-MMS-020	Prep. & Sub. Butterfly Valve	5.00	5.00	0%	16-Nov-14	20-Nov-14	16-Nov-14	20-Nov-14	0.00
UDS-MIS-10	Prep. & Sub. Welding Procedure	5.00	5.00	0%	16-Nov-14	20-Nov-14	08-Feb-15	12-Feb-15	59.00
UDS-MIS-60	Prep. & Sub. Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	5.00	5.00	0%	16-Nov-14	20-Nov-14	08-Feb-15	12-Feb-15	59.00
UDS-MIS-30	Prep. & Sub. Identification Tape	5.00	5.00	0%	16-Nov-14	20-Nov-14	14-Feb-15	18-Feb-15	64.00
UDS-CMS-60	Prep. & Sub. Manhole covers and frames	5.00	5.00	0%	16-Nov-14	20-Nov-14	23-May-15	28-May-15	145.13
COR-1120	Coordination with Engineer for the temporary outage of existing pipeline	14.00	14.00	0%	16-Nov-14	03-Dec-14	16-Sep-15	07-Oct-15	233.00
UDS-MS-020	Prep. & Sub. Method Statement for Repairing Pipe Cement Mortar Lining	4.00	4.00	0%	17-Nov-14	20-Nov-14	01-Feb-15	04-Feb-15	54.00
UDS-MS-010-R	Review & Approval of Pipeline installation method statement	21.00	21.00	0%	17-Nov-14	15-Dec-14	19-Feb-15	19-Mar-15	66.00
UDS-PC-SUB-2	Preparation & Submit Trench Safety Plan	9.00	9.00	0%	18-Nov-14	30-Nov-14	09-Feb-15	18-Feb-15	58.00
UDS-PC-SUB-2	Review & Approval of Storage Yard	21.00	21.00	0%	18-Nov-14	16-Dec-14	19-Feb-15	19-Mar-15	65.00
UDS-MMS-080	Prep. & Sub. Strainer	5.00	5.00	0%	22-Nov-14	29-Nov-14	22-Nov-14	29-Nov-14	0.00
UDS-MMS-110	Prep. & Sub. Dismantling joints	5.00	5.00	0%	22-Nov-14	29-Nov-14	22-Nov-14	29-Nov-14	0.00
UDS-MS-030	Prep. & Sub. Method Statement for Radiographic Testing and safety plan	5.00	5.00	0%	22-Nov-14	29-Nov-14	08-Feb-15	12-Feb-15	54.00
UDS-MIS-70	Prep. & Sub. Proposed Welders for Welders Qualification Test	5.00	5.00	0%	22-Nov-14	29-Nov-14	14-Feb-15	18-Feb-15	59.00

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-MMS-230	Prep. & Sub. 450mm, 400mm. 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Steel Pipes	5.00	5.00	0%	22-Nov-14	29-Nov-14	14-Feb-15	18-Feb-15	59.00
UDS-MMS-010	Review & Approval of 500 mm Steel Pipes	21.00	21.00	0%	23-Nov-14	21-Dec-14	01-Dec-14	31-Dec-14	6.00
UDS-MMS-020	Review & Approval of Butterfly Valve	21.00	21.00	0%	23-Nov-14	21-Dec-14	21-Jan-15	18-Feb-15	41.00
UDS-MIS-10-R/	Review & Approval of Welding Procedure	21.00	21.00	0%	23-Nov-14	21-Dec-14	19-Feb-15	19-Mar-15	62.00
UDS-MIS-30-R/	Review & Approval of Identification Tape	21.00	21.00	0%	23-Nov-14	21-Dec-14	19-Feb-15	19-Mar-15	62.00
UDS-MIS-60-R/	Review & Approval of Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	21.00	21.00	0%	23-Nov-14	21-Dec-14	19-Feb-15	19-Mar-15	62.00
UDS-MS-020-R	Review & Approval of Method Statement for Repairing Pipe Cement Mortar Lining	21.00	21.00	0%	23-Nov-14	21-Dec-14	19-Feb-15	19-Mar-15	62.00
UDS-CMS-60-F	Review & Approval of Manhole covers and frames	21.00	21.00	0%	23-Nov-14	21-Dec-14	03-Jun-15	12-Jul-15	134.13
UDS-MOB-02	Provide, furnish and erect Temporary Project Signs	1.00	1.00	0%	25-Nov-14	25-Nov-14	03-Dec-14	03-Dec-14	7.00
UDS-MOB-03	Supply and furnish Field Office Furniture and Miscellaneous	2.00	2.00	0%	26-Nov-14	27-Nov-14	01-Dec-14	02-Dec-14	4.00
UDS-EMS-50	Prep. & Sub. Pressure Transmitters	5.00	5.00	0%	30-Nov-14	04-Dec-14	30-Nov-14	04-Dec-14	0.00
UDS-MMS-080	Review & Approval of Strainer	21.00	21.00	0%	30-Nov-14	29-Dec-14	21-Jan-15	18-Feb-15	36.00
UDS-MMS-110	Review & Approval of Dismantling joints	21.00	21.00	0%	30-Nov-14	29-Dec-14	21-Jan-15	18-Feb-15	36.00
UDS-MS-040	Prep. & Sub. Cathode protection: Installation method statement and Shop Drawing	5.00	5.00	0%	30-Nov-14	04-Dec-14	14-Feb-15	18-Feb-15	54.00
UDS-MIS-70-R/	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21.00	21.00	0%	30-Nov-14	29-Dec-14	19-Feb-15	19-Mar-15	57.00
UDS-MS-030-R	Review & Approval of Method Statement for Radiographic Testing and safety plan	21.00	21.00	0%	30-Nov-14	29-Dec-14	19-Feb-15	19-Mar-15	57.00
UDS-MMS-230	Review & Approval of 450mm, 400mm. 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Steel Pipes	21.00	21.00	0%	30-Nov-14	29-Dec-14	19-Feb-15	19-Mar-15	57.00
UDS-PC-SUB-2	Review & Approval of Trench Safety Plan	21.00	21.00	0%	01-Dec-14	30-Dec-14	19-Feb-15	19-Mar-15	56.00
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	2.00	2.00	0%	02-Dec-14	03-Dec-14	02-Dec-14	03-Dec-14	0.00
UDS-PC-SUB-1	Review & Approval of Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	21.00	21.00	0%	03-Dec-14	04-Jan-15	17-Feb-15	18-Mar-15	52.00
UDS-PC-SUB-3	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A +Area B)	5.00	5.00	0%	03-Dec-14	08-Dec-14	11-Mar-15	17-Mar-15	72.00
UDS-IA-02	Finish of Mobilization	0.00	0.00	0%		04-Dec-14*		03-Dec-14	0.00
UDS-CMS-10	Prep. & Sub. Bedding Material	4.00	4.00	0%	04-Dec-14	08-Dec-14	27-Dec-14	30-Dec-14	16.00
UDS-CS-10	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta. 1+500	5.00	5.00	0%	04-Dec-14	09-Dec-14	28-Jan-15	02-Feb-15	38.00
UDS-MS-009	Prep. & Sub. Method statement for testing of existing pipeline	5.00	5.00	0%	04-Dec-14	09-Dec-14	29-Aug-15	03-Sep-15	203.00
UDS-MMS-030	Prep. & Sub. Gate Valve	5.00	5.00	0%	06-Dec-14	10-Dec-14	06-Dec-14	10-Dec-14	0.00
UDS-MMS-060	Prep. & Sub. Flow Control Valve	5.00	5.00	0%	06-Dec-14	10-Dec-14	06-Dec-14	10-Dec-14	0.00
UDS-EMS-60	Prep. & Sub. Magnetic flow-meters	5.00	5.00	0%	06-Dec-14	10-Dec-14	06-Dec-14	10-Dec-14	0.00
UDS-EMS-10	Prep. & Sub. Pressure differential switches	9.00	9.00	0%	06-Dec-14	17-Dec-14	06-Dec-14	17-Dec-14	0.00
UDS-EMS-70	Prep. & Sub. Magnetic flow-meters for Al-Safi	5.00	5.00	0%	06-Dec-14	10-Dec-14	15-Jan-15	20-Jan-15	26.00
UDS-MS-050	Prep. & Sub. Coating procedure for exposed and/or inside manhole pipes and fittings	5.00	5.00	0%	06-Dec-14	10-Dec-14	28-May-15	03-Jun-15	135.13
UDS-CMS-20	Prep. & Sub. Single Size Backfilling Material	4.00	4.00	0%	07-Dec-14	10-Dec-14	29-Dec-14	05-Jan-15	16.00
UDS-EMS-50-R	Review & Approval of Pressure Transmitters	21.00	21.00	0%	07-Dec-14	06-Jan-15	21-Jan-15	18-Feb-15	31.00
UDS-MS-040-R	Review & Approval of Cathode protection: Installation method statement and Shop Drawing	21.00	21.00	0%	07-Dec-14	06-Jan-15	19-Feb-15	19-Mar-15	52.00
UDS-MMS-070	Prep. & Sub. Pressure Relief Valve	10.00	10.00	0%	08-Dec-14	21-Dec-14	08-Dec-14	21-Dec-14	0.00

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UDS-CMS-30	Prep. & Sub. Base Course	7.00	7.00	0%	09-Dec-14	18-Dec-14	31-Dec-14	14-Jan-15	16.00
UDS-CMS-10-F	Review & Approval of Bedding Material	21.00	21.00	0%	09-Dec-14	08-Jan-15	19-Feb-15	19-Mar-15	50.00
UDS-PC-SUB-3	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A +Area B)	21.00	21.00	0%	09-Dec-14	08-Jan-15	17-Mar-15	16-Apr-15	68.00
UDS-PC-SUB-4	Preparation & Submit Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)	5.00	5.00	0%	09-Dec-14	14-Dec-14	28-Apr-15	05-May-15	107.00
UDS-CS-20	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	6.00	6.00	0%	10-Dec-14	18-Dec-14	12-Feb-15	18-Feb-15	44.00
UDS-CS-10 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta.1+500	21.00	21.00	0%	10-Dec-14	11-Jan-15	19-Feb-15	19-Mar-15	49.00
UDS-CS-280	Prep. & Sub. Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	10.00	10.00	0%	10-Dec-14	23-Dec-14	10-May-15	21-May-15	115.63
UDS-MS-009-R	Review & Approval of Method statement for testing of existing pipeline	21.00	21.00	0%	10-Dec-14	11-Jan-15	03-Sep-15	07-Oct-15	176.13
UDS-PC-SUB-1	Review & Approval of Original CPM Construction Schedule	21.00	21.00	0%	11-Dec-14	12-Jan-15*	22-Dec-14	22-Jan-15	7.13
UDS-EMS-30	Prep. & Sub. Cathode protection: Anodes, Test Stations	5.00	5.00	0%	11-Dec-14	18-Dec-14	06-Jan-15	14-Jan-15	16.00
UDS-MMS-030-	Review & Approval of Gate Valve	21.00	21.00	0%	11-Dec-14	12-Jan-15	21-Jan-15	18-Feb-15	27.00
UDS-MMS-060-	Review & Approval of Flow Control Valve	21.00	21.00	0%	11-Dec-14	12-Jan-15	21-Jan-15	18-Feb-15	27.00
UDS-EMS-60-R	Review & Approval of Magnetic flow-meters	21.00	21.00	0%	11-Dec-14	12-Jan-15	21-Jan-15	18-Feb-15	27.00
UDS-EMS-70-R	Review & Approval of Magnetic flow-meters for Al-Safi	21.00	21.00	0%	11-Dec-14	12-Jan-15	21-Jan-15	18-Feb-15	27.00
UDS-CMS-20-F	Review & Approval of Single Size Backfilling Material	21.00	21.00	0%	11-Dec-14	12-Jan-15	19-Feb-15	19-Mar-15	48.00
UDS-MS-050-R	Review & Approval of Coating procedure for exposed and/or inside manhole pipes and fittings	21.00	21.00	0%	11-Dec-14	12-Jan-15	03-Jun-15	12-Jul-15	120.13
UDS-MIS-50	Prep. & Sub. Water Quality Testing Lab	5.00	5.00	0%	11-Dec-14	18-Dec-14	17-Aug-15	23-Aug-15	187.00
UDS-MS-060	Prep. & Sub. Method Statement for Pipeline Testing and Disinfection	5.00	5.00	0%	11-Dec-14	18-Dec-14	17-Aug-15	23-Aug-15	187.00
UDS-EMS-10-R	Review & Approval of Pressure differential switches	21.00	21.00	0%	18-Dec-14	19-Jan-15	21-Jan-15	18-Feb-15	22.00
UDS-CS-230	Prep. & Sub. Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	20.00	20.00	0%	18-Dec-14	18-Jan-15	11-Feb-15	07-Mar-15	38.00
UDS-CMS-40	Prep. & Sub. Concrete Mix Design	28.00	28.00	0%	20-Dec-14	28-Jan-15	15-Jan-15	18-Feb-15	16.00
UDS-EMS-40	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit and Link Seal	5.00	5.00	0%	20-Dec-14	24-Dec-14	15-Jan-15	20-Jan-15	16.00
UDS-CS-30	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	6.00	6.00	0%	20-Dec-14	27-Dec-14	10-Mar-15	17-Mar-15	59.00
UDS-EMS-30-R	Review & Approval of Cathode protection: Anodes, Test Stations	21.00	21.00	0%	21-Dec-14	20-Jan-15	21-Jan-15	18-Feb-15	21.00
UDS-CS-20 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	21.00	21.00	0%	21-Dec-14	20-Jan-15	19-Feb-15	19-Mar-15	42.00
UDS-CMS-30-F	Review & Approval of Base Course	21.00	21.00	0%	21-Dec-14	20-Jan-15	19-Feb-15	19-Mar-15	42.00
UDS-CS-270	Prep. & Sub. Shop drawing for Formwork	8.00	8.00	0%	21-Dec-14	30-Dec-14	25-May-15	03-Jun-15	121.13
UDS-MIS-50-R/	Review & Approval of Water Quality Testing Lab	21.00	21.00	0%	21-Dec-14	20-Jan-15	23-Aug-15	21-Sep-15	160.13
UDS-MS-060-R	Review & Approval of Method Statement for Pipeline Testing and Disinfection	21.00	21.00	0%	21-Dec-14	20-Jan-15	07-Sep-15	11-Oct-15	171.13
UDS-MMS-040	Prep. & Sub. Combination Air Valve	5.00	5.00	0%	22-Dec-14	28-Dec-14	22-Dec-14	28-Dec-14	0.00
UDS-MMS-050	Prep. & Sub. Check Valve	10.00	10.00	0%	22-Dec-14	06-Jan-15	22-Dec-14	06-Jan-15	0.00
UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve	5.00	5.00	0%	22-Dec-14	28-Dec-14	22-Dec-14	28-Dec-14	0.00
UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters	5.00	5.00	0%	22-Dec-14	28-Dec-14	22-Dec-14	28-Dec-14	0.00
PRO-01	Order of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2.00	2.00	0%	22-Dec-14	23-Dec-14	31-Dec-14	05-Jan-15	6.00

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-MMS-070-	Review & Approval of Pressure Relief Valve	21.00	21.00	0%	22-Dec-14	21-Jan-15	21-Jan-15	18-Feb-15	20.00
PRO-1020	Manufacturing of 500 mm, 350mm, 150mm, 80mm Steel Pipe	50.00	50.00	0%	24-Dec-14	05-Mar-15	05-Jan-15	16-Mar-15	6.00
UDS-CS-280 R&A	Review & Approval of Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	21.00	21.00	0%	24-Dec-14	25-Jan-15	02-Jun-15	09-Jul-15	110.63
UDS-CS-290	Prep. & Sub. Shop drawing for Steel Pipe Tank Connection	10.00	10.00	0%	24-Dec-14	12-Jan-15	21-May-15	02-Jun-15	115.63
UDS-EMS-40-R	Review & Approval of Cathode protection: Accessories, flanges insulating kit and Link Seal	21.00	21.00	0%	28-Dec-14	26-Jan-15	21-Jan-15	18-Feb-15	17.00
UDS-CS-30 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	21.00	21.00	0%	28-Dec-14	26-Jan-15	17-Mar-15	16-Apr-15	56.00
UDS-CS-40	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	6.00	6.00	0%	28-Dec-14	06-Jan-15	01-Apr-15	08-Apr-15	72.00
UDS-MMS-140	Prep. & Sub. Float (level) control valves	5.00	5.00	0%	29-Dec-14	06-Jan-15	29-Dec-14	06-Jan-15	0.00
UDS-MMS-040-	Review & Approval of Combination Air Valve	21.00	21.00	0%	29-Dec-14	27-Jan-15	21-Jan-15	18-Feb-15	16.00
UDS-MMS-090-	Review & Approval of Combined flow control and Pressure Reducing Valve	21.00	21.00	0%	29-Dec-14	27-Jan-15	21-Jan-15	18-Feb-15	16.00
UDS-MMS-120-	Review & Approval of Mechanical coupling & socket adapters	21.00	21.00	0%	29-Dec-14	27-Jan-15	21-Jan-15	18-Feb-15	16.00
UDS-CS-270 R&A	Review & Approval of Shop drawing for Formwork	21.00	21.00	0%	31-Dec-14	29-Jan-15	03-Jun-15	12-Jul-15	107.13
E-R880	Implementation of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	2.00	2.00	0%	06-Jan-15	11-Jan-15	27-Oct-15	29-Oct-15	228.00
UDS-MMS-050-	Review & Approval of Check Valve	21.00	21.00	0%	07-Jan-15	04-Feb-15	21-Jan-15	18-Feb-15	10.00
UDS-MMS-140-	Review & Approval of Float (level) control valves	21.00	21.00	0%	07-Jan-15	04-Feb-15	21-Jan-15	18-Feb-15	10.00
UDS-CS-40 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	21.00	21.00	0%	07-Jan-15	04-Feb-15	08-Apr-15	11-May-15	65.00
UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers	4.00	4.00	0%	11-Jan-15	14-Jan-15	11-Jan-15	14-Jan-15	0.00
UDS-MMS-150	Prep. & Sub. Flange Gaskets	5.00	5.00	0%	11-Jan-15	15-Jan-15	15-Jan-15	20-Jan-15	4.00
UDS-PC-SUB-4	Review & Approval of Traffic Control Plan for Area A from Sta. Sta. 3+880 to Sta. 5+597 (Area C)	21.00	21.00	0%	11-Jan-15	08-Feb-15	05-May-15	03-Jun-15	80.00
UDS-CS-50	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+00	6.00	6.00	0%	11-Jan-15	17-Jan-15	27-Apr-15	05-May-15	87.00
E-R890	Maintain of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	83.00	83.00	0%	12-Jan-15	22-Apr-15	04-Aug-15	04-Aug-15	75.00
E-T-01	Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to connection	7.00	7.00	0%	12-Jan-15	19-Jan-15	07-Oct-15	15-Oct-15	209.00
UDS-IA-04	Finish of Pre-Construction Submittals	0.00	0.00	0%		12-Jan-15		21-Mar-15	67.00
UDS-IA-20	Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	0.00	0.00	0%	13-Jan-15		21-Mar-15		67.00
UDS-CS-300 R&A	Review & Approval of Shop drawing for Flow Monitoring & Flow Control Valve Assembly	21.00	21.00	0%	13-Jan-15	10-Feb-15	02-Jun-15	09-Jul-15	98.63
UDS-CS-300	Prep. & Sub. Shop drawing for Flow Monitoring & Flow Control Valve Assembly	12.00	12.00	0%	13-Jan-15	26-Jan-15	23-Jun-15	15-Jul-15	131.88
UDS-IA-30	Start of Construction of Al Safi Booster Station – Phase I Pipeline Connection	0.00	0.00	0%	13-Jan-15		07-Oct-15		267.00
UDS-MMS-180	Prep. & Sub. Flanges	5.00	5.00	0%	15-Jan-15	20-Jan-15	15-Jan-15	20-Jan-15	0.00
UDS-MMS-170-	Review & Approval of Bolts, studs, nuts, and washers	21.00	21.00	0%	15-Jan-15	12-Feb-15	21-Jun-15	04-Aug-15	109.13
UDS-MMS-160	Prep. & Sub. Galvanized Malleable Iron Fittings Up to 2"	4.00	4.00	0%	17-Jan-15	20-Jan-15	16-Jun-15	21-Jun-15	124.00
UDS-MMS-150-	Review & Approval of Flange Gaskets	21.00	21.00	0%	18-Jan-15	15-Feb-15	21-Jan-15	18-Feb-15	3.00
UDS-CS-50 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+00	21.00	21.00	0%	18-Jan-15	15-Feb-15	05-May-15	03-Jun-15	75.00
UDS-CS-55	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	6.00	6.00	0%	18-Jan-15	24-Jan-15	27-May-15	03-Jun-15	106.13

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-CS-230 R&A	Review & Approval of Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	21.00	21.00	0%	19-Jan-15	16-Feb-15	03-Jun-15	12-Jul-15	95.13
UDS-MMS-180	Review & Approval of Flanges	21.00	21.00	0%	21-Jan-15	18-Feb-15	21-Jan-15	18-Feb-15	0.00
UDS-MMS-190	Prep. & Sub. Pressure Gauge, ball valve, and snubber	5.00	5.00	0%	21-Jan-15	26-Jan-15	01-Feb-15	09-Feb-15	9.00
UDS-MMS-160	Review & Approval of Galvanized Malleable Iron Fittings Up to 2"	21.00	21.00	0%	21-Jan-15	18-Feb-15	21-Jun-15	04-Aug-15	105.13
UDS-CS-210	Prep. & Sub. Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	15.00	15.00	0%	25-Jan-15	12-Feb-15	14-Mar-15	30-Mar-15	38.00
UDS-CS-55 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	21.00	21.00	0%	25-Jan-15	22-Feb-15	08-Jun-15	16-Jul-15	94.13
UDS-CS-240	Prep. & Sub. Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 and 6" (Southern Connection)	10.00	10.00	0%	25-Jan-15	04-Feb-15	03-Jun-15	15-Jun-15	106.13
E-S-09	Fabrication of New 900 X 400 steel Tee	2.00	2.00	0%	26-Jan-15	27-Jan-15	07-Oct-15	10-Oct-15	197.00
UDS-MMS-200	Prep. & Sub. Steel fittings (elbows, reducers, tees, etc	5.00	5.00	0%	27-Jan-15	01-Feb-15	09-Feb-15	15-Feb-15	9.00
UDS-MMS-190	Review & Approval of Pressure Gauge, ball valve, and snubber	21.00	21.00	0%	27-Jan-15	24-Feb-15	21-Jun-15	04-Aug-15	101.13
UDS-CS-310	Prep. & Sub. Shop drawing for 300mm and 400mm BFV chambers	6.00	6.00	0%	27-Jan-15	02-Feb-15	15-Jul-15	26-Jul-15	131.88
UDS-CS-290 R&A	Review & Approval of Shop drawing for Steel Pipe Tank Connection	21.00	21.00	0%	27-Jan-15	24-Feb-15	18-Aug-15	16-Sep-15	133.00
E-S-10	Disconnect the 900 DIP Main Pipeline and installation of New 900 X 400 steel Tee with Ductile Flanged Socket Adaptors	1.00	1.00	0%	28-Jan-15	28-Jan-15	10-Oct-15	11-Oct-15	197.00
E-S-20	Installation of 400 mm Flanged dismantling Joint and 400mm Flanged Butterfly Valve including 400 mm steel pipe	1.00	1.00	0%	28-Jan-15	28-Jan-15	10-Oct-15	11-Oct-15	197.00
UDS-CMS-40-F	Review & Approval of Concrete Mix Design	21.00	21.00	0%	29-Jan-15	26-Feb-15	19-Feb-15	19-Mar-15	15.00
UDS-CMS-45	Prep. & Sub. Steel Reinforcement	4.00	4.00	0%	29-Jan-15	02-Feb-15	20-May-15	25-May-15	90.13
UDS-MMS-200	Review & Approval of Steel fittings (elbows, reducers, tees, etc	21.00	21.00	0%	02-Feb-15	02-Mar-15	15-Feb-15	16-Mar-15	9.00
UDS-MMS-210	Prep. & Sub. Heat Shrinkable for Steel Pipes	5.00	5.00	0%	02-Feb-15	09-Feb-15	19-Feb-15	24-Feb-15	13.00
UDS-MMS-210	Review & Approval of Heat Shrinkable for Steel Pipes	21.00	21.00	0%	02-Feb-15	02-Mar-15	19-Feb-15	19-Mar-15	13.00
UDS-CMS-45-F	Review & Approval of Steel Reinforcement	21.00	21.00	0%	03-Feb-15	03-Mar-15	03-Jun-15	12-Jul-15	84.13
UDS-CMS-50	Prep. & Sub. Bituminous Cold Material (for external coating for Concrete Chambers)	3.00	3.00	0%	03-Feb-15	08-Feb-15	25-May-15	28-May-15	90.13
UDS-CS-310 R&A	Review & Approval of Shop drawing for 300mm and 400mm BFV chambers	21.00	21.00	0%	03-Feb-15	03-Mar-15	26-Jul-15	24-Aug-15	111.00
UDS-CS-320	Prep. & Sub. Shop drawing for Instrumentations	10.00	10.00	0%	03-Feb-15	16-Feb-15	16-Aug-15	27-Aug-15	149.00
UDS-CS-240 R&A	Review & Approval of Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 6" (Southern Connection)	21.00	21.00	0%	05-Feb-15	05-Mar-15	15-Jun-15	29-Jul-15	90.13
UDS-CS-250	Prep. & Sub. Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northen Connection)	10.00	10.00	0%	08-Feb-15	18-Feb-15	13-Jul-15	30-Jul-15	123.00
UDS-CMS-50-F	Review & Approval of Bituminous Cold Material (for external coating for Concrete Chambers)	21.00	21.00	0%	09-Feb-15	09-Mar-15	03-Jun-15	12-Jul-15	80.13
UDS-CMS-80	Prep. & Sub. Manhole Rungs	5.00	5.00	0%	09-Feb-15	14-Feb-15	28-May-15	03-Jun-15	90.13
UDS-MMS-220	Prep. & Sub. Steel pipes marking Sample	4.00	4.00	0%	10-Feb-15	14-Feb-15	28-May-15	01-Jun-15	89.00
E-S-30	Construction of Conceret Pad as per detail S-190 - S-DT06 and Reconstruct Concrete wall and fence and Asphalt Reinstatem	20.00	20.00	0%	11-Feb-15	07-Mar-15	09-Jul-15	08-Aug-15	117.88
UDS-CS-220	Prep. & Sub. Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	6.00	6.00	0%	14-Feb-15	19-Feb-15	31-Mar-15	06-Apr-15	38.00
UDS-CS-210 R&A	Review & Approval of Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	21.00	21.00	0%	15-Feb-15	15-Mar-15	14-May-15	14-Jun-15	62.38

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-MMS-220-	Review & Approval of Steel pipes marking Sample	21.00	21.00	0%	15-Feb-15	15-Mar-15	02-Jun-15	08-Jul-15	75.00
UDS-CMS-80-F	Review & Approval of Manhole Rungs	21.00	21.00	0%	15-Feb-15	15-Mar-15	03-Jun-15	12-Jul-15	76.13
UDS-CMS-70	Prep. & Sub. Pipe's supports	4.00	4.00	0%	15-Feb-15	18-Feb-15	16-Jun-15	21-Jun-15	101.00
UDS-CMS-90	Prep. & Sub. Asphalt Mix Design	7.00	7.00	0%	15-Feb-15	22-Feb-15	13-Sep-15	20-Sep-15	165.00
UDS-CMS-91	Prep. & Sub. Prime Coat and Tack Coat	4.00	4.00	0%	15-Feb-15	18-Feb-15	16-Sep-15	20-Sep-15	168.00
E-R120	Construction of Two Check Valve chamber as per detail A/M-0001 at Yatta Junction	15.00	15.00	0%	17-Feb-15	07-Mar-15	12-Jul-15	04-Aug-15	114.00
UDS-CS-320 R&A	Review & Approval of Shop drawing for Instrumentations	21.00	21.00	0%	17-Feb-15	17-Mar-15	27-Aug-15	30-Sep-15	124.13
PRO-1031	Order of Mechanical electrical fittings	2.00	2.00	0%	19-Feb-15	22-Feb-15	19-Feb-15	22-Feb-15	0.00
UDS-CMS-70-F	Review & Approval of Pipe's supports	21.00	21.00	0%	19-Feb-15	19-Mar-15	21-Jun-15	04-Aug-15	84.13
UDS-CS-250 R&A	Review & Approval of Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northen Connection)	21.00	21.00	0%	19-Feb-15	19-Mar-15	30-Jul-15	30-Aug-15	102.13
UDS-CMS-91-F	Review & Approval of Prime Coat and Tack Coat	21.00	21.00	0%	19-Feb-15	19-Mar-15	21-Sep-15	22-Oct-15	139.13
UDS-EMS-20	Prep. & Sub. Antenna gsm / gprs Modem	5.00	5.00	0%	19-Feb-15	24-Feb-15	22-Aug-15	27-Aug-15	142.00
UDS-CS-060	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	6.00	6.00	0%	21-Feb-15	26-Feb-15	07-Apr-15	14-Apr-15	38.00
UDS-CS-220 R&A	Review & Approval of Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	21.00	21.00	0%	22-Feb-15	22-Mar-15	28-May-15	02-Jul-15	67.38
PRO-1032	Manufacturing of Mechanical and electrical fittings	90.00	90.00	0%	23-Feb-15	08-Jul-15	23-Feb-15	08-Jul-15	0.00
UDS-CMS-90-F	Review & Approval of Asphalt Mix Design	21.00	21.00	0%	23-Feb-15	23-Mar-15	21-Sep-15	22-Oct-15	137.13
UDS-EMS-20-R	Review & Approval of Antenna gsm / gprs Modem	21.00	21.00	0%	25-Feb-15	25-Mar-15	27-Aug-15	30-Sep-15	118.13
UDS-CS-070	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	6.00	6.00	0%	28-Feb-15	07-Mar-15	15-Apr-15	21-Apr-15	38.00
UDS-CS-080	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	6.00	6.00	0%	28-Feb-15	07-Mar-15	15-Apr-15	21-Apr-15	38.00
UDS-CS-090	Prep. & Sub. Shop drawing for 80mm Gate Valve chamber	6.00	6.00	0%	28-Feb-15	07-Mar-15	15-Apr-15	21-Apr-15	38.00
UDS-CS-100	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	6.00	6.00	0%	28-Feb-15	07-Mar-15	13-May-15	20-May-15	61.13
UDS-CS-060 R&A	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21.00	21.00	0%	01-Mar-15	29-Mar-15	03-Jun-15	12-Jul-15	66.13
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001 and 6" pipe (Southern Connection)	5.00	5.00	0%	07-Mar-15	11-Mar-15	29-Jul-15	04-Aug-15	110.00
PRO-1030	Delivery of 500 mm, 350mm, 150mm, 80mm Steel Pipes	2.00	2.00	0%	08-Mar-15	09-Mar-15	16-Mar-15	18-Mar-15	6.00
UDS-CS-090 R&A	Review & Approval of Shop drawing for 80mm Gate Valve chamber	21.00	21.00	0%	08-Mar-15	05-Apr-15	22-Apr-15	21-May-15	32.00
UDS-CS-070 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	21.00	21.00	0%	08-Mar-15	05-Apr-15	03-Jun-15	12-Jul-15	61.13
UDS-CS-080 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	21.00	21.00	0%	08-Mar-15	05-Apr-15	03-Jun-15	12-Jul-15	61.13
UDS-CS-110	Prep. & Sub. Shop drawing for 75mm AVAR chamber on 150mm pipe	6.00	6.00	0%	08-Mar-15	14-Mar-15	20-May-15	27-May-15	61.13
UDS-CS-120	Prep. & Sub. Shop drawing for 100mm AVAR chamber on 500mm pipe	6.00	6.00	0%	08-Mar-15	14-Mar-15	20-May-15	27-May-15	61.13
UDS-CS-160	Prep. & Sub. Shop drawing for 150mm AVAR chamber on 500mm pipe	6.00	6.00	0%	08-Mar-15	14-Mar-15	20-May-15	27-May-15	61.13
UDS-CS-100 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	21.00	21.00	0%	08-Mar-15	05-Apr-15	08-Jul-15	13-Aug-15	81.13
E-R100	Implementation of Traffic Control Plan Phase 1	2.00	2.00	0%	10-Mar-15	11-Mar-15	18-Mar-15	21-Mar-15	7.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	20.00	20.00	0%	12-Mar-15	04-Apr-15	21-Mar-15	14-Apr-15	7.00

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-IA-16	Start of Construction (Ground Breaking)	0.00	0.00	0%	12-Mar-15		21-Mar-15		9.00
E-R850	Maintain of Traffic Control Plan Phase 1	37.00	37.00	0%	12-Mar-15	25-Apr-15	21-Mar-15	04-Aug-15	73.00
UDS-CS-140	Prep. & Sub. Shop drawing for 75mm WO chamber on 150mm pipe	6.00	6.00	0%	15-Mar-15	21-Mar-15	27-May-15	03-Jun-15	61.13
UDS-CS-150	Prep. & Sub. Shop drawing for 200mm WO chamber on 500mm pipe	6.00	6.00	0%	15-Mar-15	21-Mar-15	27-May-15	03-Jun-15	61.13
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	1.00	1.00	0%	15-Mar-15	15-Mar-15	10-Jun-15	11-Jun-15	73.00
UDS-CS-110 R&A	Review & Approval of Shop drawing for 75mm AVAR chamber on 150mm pipe	21.00	21.00	0%	15-Mar-15	13-Apr-15	08-Jul-15	13-Aug-15	76.13
UDS-CS-120 R&A	Review & Approval of Shop drawing for 100mm AVAR chamber on 500mm pipe	21.00	21.00	0%	15-Mar-15	13-Apr-15	08-Jul-15	13-Aug-15	76.13
UDS-CS-160 R&A	Review & Approval of Shop drawing for 150mm AVAR chamber on 500mm pipe	21.00	21.00	0%	15-Mar-15	13-Apr-15	08-Jul-15	13-Aug-15	76.13
UDS-CS-130	Prep. & Sub. Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	6.00	6.00	0%	15-Mar-15	21-Mar-15	17-Jun-15	28-Jun-15	79.75
UDS-CS-185	Prep. & Sub. Shop drawing for BFV chamber at station 5+570 (500mm isolation chamber 3)	6.00	6.00	0%	15-Mar-15	21-Mar-15	17-Jun-15	28-Jun-15	79.75
UDS-CS-180	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	6.00	6.00	0%	15-Mar-15	21-Mar-15	17-Jun-15	28-Jun-15	79.75
UDS-CS-190	Prep. & Sub. Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station 4+860	6.00	6.00	0%	15-Mar-15	21-Mar-15	17-Jun-15	28-Jun-15	79.75
UDS-CS-200	Prep. & Sub. Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570 as per detail M-0003	6.00	6.00	0%	15-Mar-15	21-Mar-15	17-Jun-15	28-Jun-15	79.75
UDS-CS-140 R&A	Review & Approval of Shop drawing for 75mm WO chamber on 150mm pipe	21.00	21.00	0%	22-Mar-15	20-Apr-15	03-Jun-15	12-Jul-15	51.13
UDS-CS-150 R&A	Review & Approval of Shop drawing for 200mm WO chamber on 500mm pipe	21.00	21.00	0%	22-Mar-15	20-Apr-15	03-Jun-15	12-Jul-15	51.13
UDS-CS-190 R&A	Review & Approval of Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station 4+860	21.00	21.00	0%	22-Mar-15	20-Apr-15	28-Jun-15	09-Aug-15	66.13
UDS-CS-200 R&A	Review & Approval of Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570	21.00	21.00	0%	22-Mar-15	20-Apr-15	28-Jun-15	09-Aug-15	66.13
UDS-CS-130 R&A	Review & Approval of Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	21.00	21.00	0%	22-Mar-15	20-Apr-15	08-Jul-15	13-Aug-15	71.13
UDS-CS-185 R&A	Review & Approval of Shop drawing for BFV chamber at station 5+570 (350mm isolation chamber 3)	21.00	21.00	0%	22-Mar-15	20-Apr-15	08-Jul-15	13-Aug-15	71.13
UDS-CS-180 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	21.00	21.00	0%	22-Mar-15	20-Apr-15	08-Jul-15	13-Aug-15	71.13
UDS-CS-260	Prep. & Sub. Shop drawing for Roads	10.00	10.00	0%	22-Mar-15	01-Apr-15	09-Sep-15	20-Sep-15	133.00
E-R130	Construction of Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	20.00	20.00	0%	23-Mar-15	15-Apr-15	02-Jul-15	04-Aug-15	81.00
E-R200	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+360	1.00	1.00	0%	24-Mar-15	24-Mar-15	11-Jun-15	13-Jun-15	66.00
E-R220	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+440	1.00	1.00	0%	25-Mar-15	25-Mar-15	13-Jun-15	14-Jun-15	66.00
E-R110	Construction of Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	20.00	20.00	0%	30-Mar-15	22-Apr-15	02-Jul-15	04-Aug-15	75.00
E-R160	Construction of 150mm Gate Valve chamber at station 0+990	15.00	15.00	0%	30-Mar-15	16-Apr-15	12-Jul-15	04-Aug-15	80.00
UDS-CS-260 R&A	Review & Approval of Shop drawing for Roads	21.00	21.00	0%	02-Apr-15	04-May-15	21-Sep-15	22-Oct-15	109.13
E-R830	Implementation of Traffic Control Plan Phase 2	2.00	2.00	0%	05-Apr-15	06-Apr-15	14-Apr-15	16-Apr-15	7.00
E-R240	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+820	1.00	1.00	0%	05-Apr-15	05-Apr-15	14-Jun-15	15-Jun-15	58.00
E-R260	Excavation, Bedding, Installation and Backfilling of 80mm steel	1.00	1.00	0%	06-Apr-15	06-Apr-15	15-Jun-15	16-Jun-15	58.00

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E-R190	Construction of 80mm Gate Valve chamber at station 1+065	15.00	15.00	0%	06-Apr-15	23-Apr-15	12-Jul-15	04-Aug-15	74.00
E-R170	Construction of 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	15.00	15.00	0%	06-Apr-15	23-Apr-15	12-Jul-15	04-Aug-15	74.00
E-R210	Construction of 80mm Gate Valve chamber at station 1+360	15.00	15.00	0%	06-Apr-15	23-Apr-15	12-Jul-15	04-Aug-15	74.00
E-R230	Construction of 80mm Gate Valve chamber at station 1+440	15.00	15.00	0%	06-Apr-15	23-Apr-15	12-Jul-15	04-Aug-15	74.00
E-R250	Construction of 80mm Gate Valve chamber at station 1+820	15.00	15.00	0%	06-Apr-15	23-Apr-15	12-Jul-15	04-Aug-15	74.00
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	20.00	20.00	0%	07-Apr-15	02-May-15	16-Apr-15	11-May-15	7.00
E-R270	Construction of 80mm Gate Valve chamber at station 1+960	15.00	15.00	0%	07-Apr-15	25-Apr-15	16-Jun-15	12-Jul-15	58.00
E-R860	Maintain of Traffic Control Plan Phase 2	87.00	87.00	0%	07-Apr-15	02-Aug-15	16-Apr-15	27-Oct-15	69.00
E-R280	Construction of 150mm Gate Valve chamber at station 1+960	15.00	15.00	0%	07-Apr-15	25-Apr-15	12-Jul-15	04-Aug-15	73.00
E-R290	Construction of 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	15.00	15.00	0%	07-Apr-15	25-Apr-15	12-Jul-15	04-Aug-15	73.00
E-R310	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 2+370	1.00	1.00	0%	19-Apr-15	19-Apr-15	09-Jul-15	12-Jul-15	63.00
E-R175	Construction of 200mm WO chamber at station 1+450 for 500mm pipe	15.00	15.00	0%	21-Apr-15	09-May-15	12-Jul-15	04-Aug-15	62.00
E-R176	Construction of 75mm WO chamber at station 1+448 for 150mm pipe	15.00	15.00	0%	21-Apr-15	09-May-15	12-Jul-15	04-Aug-15	62.00
E-R320	Construction of 80mm Gate Valve chamber at station 2+370	15.00	15.00	0%	26-Apr-15	13-May-15	12-Jul-15	04-Aug-15	58.00
E1030	Asphalt reinstatement over trench with 500 and 150 mm, St. 1+019 to 1+920	19.00	19.00	0%	26-Apr-15	18-May-15	27-Aug-15	19-Sep-15	93.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	20.00	20.00	0%	03-May-15	25-May-15	11-May-15	03-Jun-15	7.00
UDS-IA-06	Finish of Construction Submittals	0.00	0.00	0%		04-May-15		29-Oct-15	177.00
E-R340	Construction of 150mm Gate Valve chamber at station 3+050	15.00	15.00	0%	06-May-15	23-May-15	15-Aug-15	01-Sep-15	74.00
E-R350	Construction of 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	15.00	15.00	0%	06-May-15	23-May-15	15-Aug-15	01-Sep-15	74.00
E-R360	Construction of 75mm AVAR chamber at station 3+144 for 150mm pipe	15.00	15.00	0%	09-May-15	25-May-15	15-Aug-15	01-Sep-15	72.00
E-R370	Construction of 100mm AVAR chamber at station 3+145 for 500mm pipe	15.00	15.00	0%	09-May-15	25-May-15	15-Aug-15	01-Sep-15	72.00
E-R380	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+245	1.00	1.00	0%	10-May-15	10-May-15	21-May-15	23-May-15	10.00
E-R390	Construction of 80mm Gate Valve chamber at station 3+245	15.00	15.00	0%	11-May-15	27-May-15	23-May-15	09-Jun-15	10.00
E-R400	Construction of Flow Meter Monitoring chamber at station 3+420	15.00	15.00	0%	13-May-15	30-May-15	15-Aug-15	01-Sep-15	68.00
E-R430	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+530	1.00	1.00	0%	14-May-15	14-May-15	04-Jun-15	06-Jun-15	18.00
E-R410	Construction of 75mm WO chamber at station 3+512 for 150mm pipe	15.00	15.00	0%	14-May-15	31-May-15	15-Aug-15	01-Sep-15	67.00
E-R420	Construction of 200mm WO chamber at station 3+513 for 500mm pipe	15.00	15.00	0%	14-May-15	31-May-15	15-Aug-15	01-Sep-15	67.00
E-R450	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+570	1.00	1.00	0%	17-May-15	17-May-15	06-Jun-15	07-Jun-15	17.00
E-R840	Implementation of Traffic Control Plan Phase 3 (Area C)	2.00	2.00	0%	24-May-15	25-May-15	27-Oct-15	29-Oct-15	118.00
E-R870	Maintain of Traffic Control Plan Phase 3 (Area C)	106.00	106.00	0%	26-May-15	15-Oct-15	15-Oct-15	15-Oct-15	0.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	20.00	20.00	0%	26-May-15	17-Jun-15	03-Jun-15	30-Jun-15	7.00
E-R470	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+860	1.00	1.00	0%	26-May-15	26-May-15	07-Jun-15	08-Jun-15	10.00
E-R490	Construction of 75mm AVAR chamber at station 3+873 for	15.00	15.00	0%	26-May-15	11-Jun-15	15-Aug-15	01-Sep-15	57.00

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E-R500	Construction of 100mm AVAR chamber at station 3+872 for 500mm pipe	15.00	15.00	0%	26-May-15	11-Jun-15	15-Aug-15	01-Sep-15	57.00
E1070	Concrete Encasement	5.00	5.00	0%	26-May-15	31-May-15	10-Oct-15	15-Oct-15	101.00
E1080	Reinforced Concrete Encasement	5.00	5.00	0%	26-May-15	31-May-15	10-Oct-15	15-Oct-15	101.00
E-R440	Construction of 80mm Gate Valve chamber at station 3+530	15.00	15.00	0%	28-May-15	14-Jun-15	09-Jun-15	30-Jun-15	10.00
E-R510	Construction of 75mm WO chamber at station 3+997.5 for 150mm pipe	15.00	15.00	0%	28-May-15	14-Jun-15	15-Aug-15	01-Sep-15	55.00
E-R520	Construction of 200mm WO chamber at station 4+000 for 500mm pipe	15.00	15.00	0%	28-May-15	14-Jun-15	15-Aug-15	01-Sep-15	55.00
E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110	1.00	1.00	0%	31-May-15	31-May-15	08-Jun-15	09-Jun-15	7.00
E-R550	Construction of 80mm Gate Valve chamber at station 4+110	15.00	15.00	0%	01-Jun-15	17-Jun-15	09-Jun-15	30-Jun-15	7.00
E-R570	Construction of 150mm AVAR chamber at station 4+390 for 500mm pipe	15.00	15.00	0%	03-Jun-15	21-Jun-15	15-Aug-15	01-Sep-15	50.00
E-R580	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+450	1.00	1.00	0%	07-Jun-15	07-Jun-15	29-Jun-15	30-Jun-15	16.00
E-R600	Construction of 150mm Gate Valve chamber at station 4+510	15.00	15.00	0%	07-Jun-15	27-Jun-15	15-Aug-15	01-Sep-15	47.00
E-R610	Construction of 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	15.00	15.00	0%	07-Jun-15	27-Jun-15	15-Aug-15	01-Sep-15	47.00
E-R620	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+585	1.00	1.00	0%	08-Jun-15	08-Jun-15	27-Jul-15	28-Jul-15	30.00
E-R640	Construction of 75mm WO chamber at station 4+604 for 150mm pipe	15.00	15.00	0%	09-Jun-15	30-Jun-15	15-Aug-15	01-Sep-15	45.00
E-R650	Construction of 200mm WO chamber at station 4+603 for 500mm pipe	15.00	15.00	0%	09-Jun-15	30-Jun-15	15-Aug-15	01-Sep-15	45.00
E-R660	Excavation, Bedding, Installation and Backfilling of 150mm steel pipeline from station 4+850 to station 4+865	2.00	2.00	0%	14-Jun-15	15-Jun-15	13-Jul-15	21-Jul-15	18.00
E-R460	Construction of 80mm Gate Valve chamber at station 3+570	15.00	15.00	0%	15-Jun-15	09-Jul-15	30-Jun-15	28-Jul-15	10.00
E1010	Asphalt reinstatement in narrow roads up to 3.0 m width, 3+416 to 3+436,	15.00	15.00	0%	15-Jun-15	09-Jul-15	12-Oct-15	29-Oct-15	86.00
E-R680	Construction of Al-Uddeisa Emergency Service Connection Chamber at Station 4+860 as per detail M-0004	20.00	20.00	0%	16-Jun-15	22-Jul-15	09-Aug-15	01-Sep-15	34.00
E-R670	Construction of 150mm Gate Valve chamber at station 4+850	15.00	15.00	0%	16-Jun-15	12-Jul-15	15-Aug-15	01-Sep-15	39.00
E-R590	Construction of 80mm Gate Valve chamber at station 4+450	15.00	15.00	0%	18-Jun-15	15-Jul-15	30-Jun-15	28-Jul-15	7.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	14.00	14.00	0%	18-Jun-15	13-Jul-15	21-Jul-15	06-Aug-15	16.00
E-R720	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+000	1.00	1.00	0%	18-Jun-15	20-Jun-15	13-Aug-15	15-Aug-15	36.00
E-R690	Construction of 150mm Gate Valve chamber at station 4+865	15.00	15.00	0%	18-Jun-15	15-Jul-15	15-Aug-15	01-Sep-15	37.00
E-R700	Construction of 75mm AVAR chamber at station 4+904.5 for 150mm pipe	15.00	15.00	0%	18-Jun-15	15-Jul-15	15-Aug-15	01-Sep-15	37.00
E-R710	Construction of 150mm AVAR chamber at station 4+905.5 for 500mm pipe	15.00	15.00	0%	18-Jun-15	15-Jul-15	15-Aug-15	01-Sep-15	37.00
E-R750	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+215	1.00	1.00	0%	27-Jun-15	28-Jun-15	31-Aug-15	01-Sep-15	46.00
E1050	Asphalt reinstatement over trench with 80 mm pipes	10.00	10.00	0%	29-Jun-15	16-Jul-15	12-Oct-15	24-Oct-15	77.00
PRO-1035	Delivery of Mechanical and electrical fittings	13.13	13.13	0%	08-Jul-15	04-Aug-15	08-Jul-15	04-Aug-15	0.00
UDS-MIS-80	Prep. & Sub. Training Submittal (Qualification and Material)	5.00	5.00	0%	08-Jul-15	21-Jul-15	07-Sep-15	13-Sep-15	45.75
E-R480	Construction of 80mm Gate Valve chamber at station 3+860	15.00	15.00	0%	09-Jul-15	02-Aug-15	28-Jul-15	15-Aug-15	10.00
E-R790	Excavation, Bedding, Installation and Backfilling of 350mm and 100mm steel pipelines from station 5+570	2.00	2.00	0%	13-Jul-15	16-Jul-15	06-Aug-15	09-Aug-15	16.00
E-R780	Construction of 200mm WO chamber at station 5+526.5 for	15.00	15.00	0%	13-Jul-15	04-Aug-15	15-Aug-15	01-Sep-15	23.00

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E-R785	Construction of 75mm WO chamber at station 5+526.5 for 150mm pipe	15.00	15.00	0%	13-Jul-15	04-Aug-15	15-Aug-15	01-Sep-15	23.00
E-R630	Construction of 80mm Gate Valve chamber at station 4+585	15.00	15.00	0%	15-Jul-15	05-Aug-15	28-Jul-15	15-Aug-15	7.00
E-R800	Construction of Ras At-Tawil Emergency Service Connection Chamber at Station 5+570 as per detail M-0003	20.00	20.00	0%	21-Jul-15	12-Aug-15	09-Aug-15	01-Sep-15	16.00
E-R770	Construction of 500mm BFV chamber at station 5+570 (350mm isolation chamber 3)	15.00	15.00	0%	21-Jul-15	06-Aug-15	15-Aug-15	01-Sep-15	21.00
E-R810	Construction of 500mm Flow Meter Monitoring chamber at station 5+580	15.00	15.00	0%	21-Jul-15	06-Aug-15	15-Aug-15	01-Sep-15	21.00
E-R820	Connect to Existing 500mm DIP as per detail B/CD-0001 (Nortnen Connection)	2.00	2.00	0%	21-Jul-15	22-Jul-15	30-Aug-15	01-Sep-15	34.00
E1090	Pipe Marking	5.00	5.00	0%	21-Jul-15	26-Jul-15	10-Oct-15	15-Oct-15	65.00
E1060	Asphalt reinstatement over trench with 350 mm pipes	5.00	5.00	0%	21-Jul-15	26-Jul-15	24-Oct-15	29-Oct-15	77.00
UDS-MIS-80-R/	Review & Approval of Training Submittal (Qualification and Material)	21.00	21.00	0%	22-Jul-15	19-Aug-15	13-Sep-15	15-Oct-15	37.00
E-R560	Construction of 75mm AVAR chamber at station 4+391 for 150mm pipe	15.00	15.00	0%	03-Aug-15	19-Aug-15	15-Aug-15	01-Sep-15	10.00
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	24.00	24.00	0%	04-Aug-15	01-Sep-15	04-Aug-15	01-Sep-15	0.00
E-S-40	Installation of Flow Meter and PRV Equipment Pad as per sheet M-0001	14.00	14.00	0%	04-Aug-15	20-Aug-15	08-Aug-15	24-Aug-15	3.87
E-S-160	O&M Technical Manuals	20.00	20.00	0%	04-Aug-15	27-Aug-15	06-Sep-15	04-Oct-15	28.00
E-S-120	O&M Technical Manuals	20.00	20.00	0%	04-Aug-15	27-Aug-15	16-Sep-15	14-Oct-15	37.00
E-R730	Construction of 80mm Gate Valve chamber at station 5+000	15.00	15.00	0%	06-Aug-15	23-Aug-15	15-Aug-15	01-Sep-15	7.00
E-R760	Construction of 80mm Gate Valve chamber at station 5+215	15.00	15.00	0%	06-Aug-15	23-Aug-15	12-Sep-15	04-Oct-15	31.00
E1020	Basecourse reinstatement over dual trench with 500 and 150 mm pipes St. 5+080 to 5+565.	10.00	10.00	0%	13-Aug-15	24-Aug-15	18-Oct-15	29-Oct-15	52.00
E1040	Asphalt reinstatement in narrow roads up to 3.0 m width, St.1+920 to 3+416, 3+436 to 5+080	19.00	19.00	0%	20-Aug-15	10-Sep-15	19-Sep-15	15-Oct-15	25.00
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	20.00	20.00	0%	20-Aug-15	13-Sep-15	24-Aug-15	16-Sep-15	3.87
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	24.00	24.00	0%	01-Sep-15	04-Oct-15	01-Sep-15	04-Oct-15	0.00
E-S-171	Supply and Install Instruments as per section 13500 for Bani Naim service connection and Flow Monitoring Chamber	10.00	10.00	0%	01-Sep-15	13-Sep-15	12-Sep-15	28-Sep-15	9.00
E-S-140	Cleaning, washing, hydraulic test and disinfection for Ras Al Taweel & Al 'Uddeisa Transmission Pipeline	7.00	7.00	0%	01-Sep-15	09-Sep-15	21-Sep-15	04-Oct-15	17.00
E1000	Asphalt reinstatement over trench with 500 mm pipes St.1+000 to 1+019 and 5+565 to 5+597 and over trench 6" at Sta. 950	5.00	5.00	0%	12-Sep-15	16-Sep-15	24-Oct-15	29-Oct-15	32.00
E-S-60	Installation of Tank Connection as per Detail CD-0001	7.13	7.13	0%	13-Sep-15	21-Sep-15	16-Sep-15	30-Sep-15	3.87
E-S-172	SCADA Head-End Integration and Programming	5.00	5.00	0%	13-Sep-15	19-Sep-15	28-Sep-15	04-Oct-15	9.00
E-S-173	Testing and Commissioning of Electrical and Control System and Equipment	7.00	7.00	0%	19-Sep-15	01-Oct-15	21-Oct-15	29-Oct-15	24.00
E-S-70	Instrumentation and Power Wiring for Flow and Pressure Transmitters	5.00	5.00	0%	21-Sep-15	01-Oct-15	30-Sep-15	06-Oct-15	3.87
E-S-65	Pipe Marking	5.00	5.00	0%	21-Sep-15	01-Oct-15	10-Oct-15	15-Oct-15	11.87
E-S-090	Cleaning, washing, hydraulic test and disinfection for the entire pipelines in AISafi	3.00	3.00	0%	21-Sep-15	29-Sep-15	11-Oct-15	14-Oct-15	12.87
E-S-80	PLC/ RTU and SCADA Programming	2.00	2.00	0%	01-Oct-15	04-Oct-15	06-Oct-15	08-Oct-15	3.87
E-S-145	Site inspection/ Support/ Start up (Precommissioning)	10.00	10.00	0%	04-Oct-15	15-Oct-15	04-Oct-15	15-Oct-15	0.00
UDS-IA-26	Finish of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	0.00	0.00	0%		04-Oct-15		15-Oct-15	11.00

SR-01 Classic Schedule Report - Sort by ES, TF

Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
UDS-IA-36	Finish of Construction of Al Safi Booster Station – Phase I Pipeline Connection	0.00	0.00	0%		04-Oct-15		15-Oct-15	11.00
PCS1040	As-Built Drawings	5.00	5.00	0%	04-Oct-15	10-Oct-15	24-Oct-15	29-Oct-15	17.00
PCS1050	Spare Parts	5.00	5.00	0%	04-Oct-15	10-Oct-15	24-Oct-15	29-Oct-15	17.00
PCS1030	Final Operation and Maintenance O&M Manual	4.00	4.00	0%	04-Oct-15	08-Oct-15	25-Oct-15	29-Oct-15	18.00
E-S-90	Testing and Commissioning of Electrical and Control System and Equipment	5.00	5.00	0%	04-Oct-15	10-Oct-15	08-Oct-15	14-Oct-15	3.87
E-S-100	Site inspection/ Support/ Start up (Precommissioning)	10.00	10.00	0%	10-Oct-15	21-Oct-15	14-Oct-15	26-Oct-15	3.87
E-S-110	Training	9.00	9.00	0%	14-Oct-15	25-Oct-15	19-Oct-15	29-Oct-15	3.87
PCS1000	Warranties	5.00	5.00	0%	15-Oct-15	21-Oct-15	15-Oct-15	21-Oct-15	0.00
E-S-150	Training	6.00	6.00	0%	15-Oct-15	22-Oct-15	15-Oct-15	22-Oct-15	0.00
PCS1020	Final Report	5.00	5.00	0%	15-Oct-15	21-Oct-15	24-Oct-15	29-Oct-15	7.00
PCS1080	Training Completion Documents	4.00	4.00	0%	21-Oct-15	26-Oct-15	21-Oct-15	26-Oct-15	0.00
E-S-174	Testing and Commissioning of the entire system	6.00	6.00	0%	22-Oct-15	29-Oct-15	22-Oct-15	29-Oct-15	0.00
PCS1010	Site Hand over and Final Acceptance Certificate	2.00	2.00	0%	26-Oct-15	28-Oct-15	26-Oct-15	28-Oct-15	0.00
PCS1060	Release of Liens and Waiver of Debts and Claims letter	3.00	3.00	0%	26-Oct-15	29-Oct-15	26-Oct-15	29-Oct-15	0.00
PCS1070	Preparation of Final Payment	3.00	3.00	0%	26-Oct-15	29-Oct-15	26-Oct-15	29-Oct-15	0.00
PCS1090	Clearance Certificate from Local Authorities	3.00	3.00	0%	26-Oct-15	29-Oct-15	26-Oct-15	29-Oct-15	0.00
PCS1100	Demobilization	1.00	1.00	0%	28-Oct-15	29-Oct-15	28-Oct-15	29-Oct-15	0.00
UDS-A-011	Completion of Task Order	0.00	0.00	0%		29-Oct-15*		29-Oct-15	0.00

Report for:
Summary Schedule – WBS

WBS Code	WBS Name
TO 14-02-UDSI-BL	Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster Stat
TO 14-02-UDSI-BL.1	Milestones
TO 14-02-UDSI-BL.1.1	General Milestones
TO 14-02-UDSI-BL.1.2	Intermediate Milestones
TO 14-02-UDSI-BL.2	PreConstruction Phase
TO 14-02-UDSI-BL.2.MOB	Mobilization
TO 14-02-UDSI-BL.2.2	PreConstruction Submittals
TO 14-02-UDSI-BL.2.1	Traffic Control Plan, Coordination and Permits
TO 14-02-UDSI-BL.3	Construction Phase
TO 14-02-UDSI-BL.3.1	Construction Submittals
TO 14-02-UDSI-BL.3.1.1	Shopdrawing submittals
TO 14-02-UDSI-BL.3.1.1.1	Water Pipeline Shopdrawing
TO 14-02-UDSI-BL.3.1.1.1.1	500mm, 150mm and 80mm Pipes
TO 14-02-UDSI-BL.3.1.1.1.2	Connect to the existing
TO 14-02-UDSI-BL.3.1.1.2	Chambers Shopdrawing
TO 14-02-UDSI-BL.3.1.1.2.1	Gate Valve Chambers
TO 14-02-UDSI-BL.3.1.1.2.2	AVAR Chambers
TO 14-02-UDSI-BL.3.1.1.2.3	WO Washout Chambers
TO 14-02-UDSI-BL.3.1.1.2.4	BFV Chambers
TO 14-02-UDSI-BL.3.1.1.2.5	Flow Meter Monitoring chamber
TO 14-02-UDSI-BL.3.1.1.2.6	Connection Chambers
TO 14-02-UDSI-BL.3.1.1.2.7	Check Valve Chambers
TO 14-02-UDSI-BL.3.1.1.5	Civil Shopdrawing
TO 14-02-UDSI-BL.3.1.1.3	Al-Safi Shopdrawing
TO 14-02-UDSI-BL.3.1.2	Material Submittals
TO 14-02-UDSI-BL.3.1.2.1	Mechanical Material Submittals
TO 14-02-UDSI-BL.3.1.2.2	Civil Material Submittals
TO 14-02-UDSI-BL.3.1.2.3	Electrical Material Submittals
TO 14-02-UDSI-BL.3.1.3	Method Statement
TO 14-02-UDSI-BL.3.1.4	Miscellaneous
TO 14-02-UDSI-BL.3.5	Procurement
TO 14-02-UDSI-BL.3.5.1	Procurement of Mechanical Pipes and Fittings
TO 14-02-UDSI-BL.3.5.2	Procurement of Electrical Materials
TO 14-02-UDSI-BL.3.2	Execution
TO 14-02-UDSI-BL.3.2.1	Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A
TO 14-02-UDSI-BL.3.2.1.3	Yatta Junction Traffic Control
TO 14-02-UDSI-BL.3.2.1.3.6	Yatta Junction and Bani Naim Reservoir Service Connection
TO 14-02-UDSI-BL.3.2.1.3.7	Testing of Existing Pipeline
TO 14-02-UDSI-BL.3.2.1.12	Phase 1
TO 14-02-UDSI-BL.3.2.1.12.1	Pipeline segment from Station 1+000 to station 2+000
TO 14-02-UDSI-BL.3.2.1.12.1.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.12.1.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1	Phase 2
TO 14-02-UDSI-BL.3.2.1.1.2	Pipeline segment from Station 2+000 to station 3+000
TO 14-02-UDSI-BL.3.2.1.1.2.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.2.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.1.3	Pipeline segment from Station 3+000 to station 4+000
TO 14-02-UDSI-BL.3.2.1.1.3.1	Dual Trench 500mm and 150mm Pipelines and chambers
TO 14-02-UDSI-BL.3.2.1.1.3.2	80mm pipes and chambers
TO 14-02-UDSI-BL.3.2.1.2	Phase 3
TO 14-02-UDSI-BL.3.2.1.2.4	Pipeline segment from Station 4+000 to station 5+000
TO 14-02-UDSI-BL.3.2.1.2.5	Pipeline segment from Station 5+000 to station 5+597
TO 14-02-UDSI-BL.3.2.1.8	Mechanical Electrical installation
TO 14-02-UDSI-BL.3.2.1.9	Reinstatemnet and Road Work
TO 14-02-UDSI-BL.3.2.1.11	Miscellaneous
TO 14-02-UDSI-BL.3.2.1.10	Testing, Training and Commissioning
TO 14-02-UDSI-BL.3.2.2	Al Safi Booster Station – Phase I Pipeline Connection
TO 14-02-UDSI-BL.3.2.2.1	Civil and Mechanical Work
TO 14-02-UDSI-BL.3.2.2.2	SCADA Programming
TO 14-02-UDSI-BL.3.2.2.3	Testing, Training and Commissioning
TO 14-02-UDSI-BL.4	Post Construction Phase
TO 14-02-UDSI-BL.4.1	Post Construction Submittals

Report for:
Cost Loading and S-Curve

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-1-1-1 Trench Excavation for 500 mm Main pipes. St.1+000 to 1+019, 3+416 to 3+436, and 5+565 to 5+597		
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	20.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	19.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	32.00
	Total	71.00
UDSI-A-1-1-2 Trench Excavation for 350 mm Ras Al Tawil future connection as on sheet C-0024 pipes		
E-R790	Excavation, Bedding, Installation and Backfilling of 350mm and 100mm steel pipelines from station 5+570	20.00
	Total	20.00
UDSI-A-1-1-3 Trench Excavation for 150 mm pipes St. 0+995 to St. 1+020		
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	25.00
	Total	25.00
UDSI-A-1-1-4 Trench Excavation for 150 mm pipes future connections to Al Udiessa Network and booster station		
E-R660	Excavation, Bedding, Installation and Backfilling of 150mm steel pipeline from station 4+850 to station 4+865	36.00
	Total	36.00
UDSI-A-1-1-5 Double line Trench Excavation for DN500 mm and DN150 mm pipes (main and distribution pipes with in 1+020 to 3+416, and 3+436 to 5+565)		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	1000.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	980.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	981.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	1000.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	565.00
Total		4526.00

UDSI-A-1-1-6 Trench Excavation for 80 mm pipes service connections along 150mm pipes

E-R310	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 2+370	13.00
E-R380	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+245	13.00
E-R430	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+530	13.00
E-R450	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+570	13.00
E-R470	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+860	13.00
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	13.00
E-R200	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+360	13.00
E-R220	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+440	13.00
E-R240	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+820	13.00
E-R260	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+960	13.00
E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110	13.00
E-R580	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+450	13.00
E-R620	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+585	13.00
E-R720	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+000	13.00
Total		182.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-1-2-1 Backfill for pipe and trench zone,500mm pipes. St.3+416 to 3+436		
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	20.00
Total		20.00
UDSI-A-1-2-5 Double line Trench backfill for 500 mm and 150 mm pipes (main and distribution pipes , within station 1+020 to 3+416, and 3+436 to 5+565)		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	1000.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	980.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	981.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	1000.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	565.00
Total		4526.00
UDSI-A-1-2-6 Trench Dams within double line trench for 500mm and 150mm pipes, where trench slope is greater than 10%.		
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	10.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	2.00
Total		12.00
UDSI-A-1-3-1 Backfill for pipe and trench zone,500mm pipes from St. 3+416 to 3+436		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	20.00
Total		20.00
UDSI-A-1-3-2 Backfill for Double line Trench backfill for 500 mm and 150 mm pipes (main and distribution pipes , from station 1+020 to 3+416, and 3+436 to 5+565)		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	1000.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	980.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	981.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	1000.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	565.00
Total		4526.00
UDSI-A-1-3-3 Backfill for Pipeline encasement and low strength concrete trench for pipes DN 500.		
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	19.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	32.00
Total		51.00
UDSI-A-1-3-4 Backfill for Pipeline encasement and low strength concrete trench for pipes DN 350.		
E-R790	Excavation, Bedding, Installation and Backfilling of 350mm and 100mm steel pipelines from station 5+570	20.00
Total		20.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-1-3-5 Backfill for Pipeline encasement and low strength concrete trench for pipes DN 150.		
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	25.00
E-R660	Excavation, Bedding, Installation and Backfilling of 150mm steel pipeline from station 4+850 to station 4+865	36.00
Total		61.00
UDSI-A-1-3-6 Backfill for Pipeline encasement and low strength concrete trench for pipes DN 80. Service connections as on sheets C-0003 to C-0024.		
E-R310	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 2+370	13.00
E-R380	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+245	13.00
E-R430	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+530	13.00
E-R450	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+570	13.00
E-R470	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+860	13.00
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	13.00
E-R200	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+360	13.00
E-R220	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+440	13.00
E-R240	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+820	13.00
E-R260	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+960	13.00
E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110	13.00
E-R580	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+450	13.00
E-R620	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+585	13.00
E-R720	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+000	13.00
Total		182.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-2-1-1 Steel Pipe and fittings for main pipeline, 500 mm		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	1000.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	1000.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	1000.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	1000.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	597.00
Total		4597.00
UDSI-A-2-1-2 Steel Pipe and fittings for Ras Al Tawil future connection with blind flange, 350mm		
E-R790	Excavation, Bedding, Installation and Backfilling of 350mm and 100mm steel pipelines from station 5+570	20.00
Total		20.00
UDSI-A-2-1-3 Steel Pipe and fittings for network pipeline, 150 mm		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	1000.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	980.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	1006.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	1000.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	565.00
Total		4551.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-2-1-4	Steel Pipe and fittings for future connection with blind flange to Al Udiessa Network and booster station, 150 mm	
E-R660	Excavation, Bedding, Installation and Backfilling of 150mm steel pipeline from station 4+850 to station 4+865	36.00
	Total	36.00
UDSI-A-2-1-5	Steel Pipe and fittings for service connections, 80 mm	
E-R310	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 2+370	13.00
E-R380	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+245	13.00
E-R430	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+530	13.00
E-R450	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+570	13.00
E-R470	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+860	13.00
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	13.00
E-R200	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+360	13.00
E-R220	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+440	13.00
E-R240	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+820	13.00
E-R260	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+960	13.00
E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110	13.00
E-R580	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+450	13.00
E-R620	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+585	13.00
E-R720	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+000	13.00
	Total	182.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-2-2-1 Furnish and install Anodes		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	42.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	42.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	46.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	43.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	24.00
Total		197.00
UDSI-A-2-2-2 Furnish and install test stations		
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	2.00
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	2.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	4.00
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	2.00
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	2.00
Total		12.00
UDSI-A-3-1 Connection 150mm to one existing pipe		
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001and 6" pipe (Southern Connection)	1.00
Total		1.00
UDSI-A-3-2 Cut-in Connect 500mm to one existing pipe		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001 and 6" pipe (Southern Connection)	1.00
E-R820	Connect to Existing 500mm DIP as per detail B/CD-0001 (Northern Connection)	1.00
Total		2.00

UDSI-A-4-1-1 Supply, install and construct Check Valve chamber at Yatta Junction . DN 500 mm.

E-R120	Construction of Two Check Valve chamber as per detail A/M-0001 at Yatta Junction	0.80
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	1.20
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.00
Total		2.00

UDSI-A-4-2-1 Supply and install and construct complete Bani Naim Reservoir Service Connection Chamber

E-R130	Construction of Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	0.40
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	0.60
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.00
Total		1.00

UDSI-A-4-2-2 SCADA Head-End Integration and Programming per Section 13500B,P&IDs,

E-S-172	SCADA Head-End Integration and Programming	1.00
Total		1.00

UDSI-A-4-2-3 Supply and Install Instruments Including all Appurtenances Required for Complete and Functional System

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RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-S-171	Supply and Install Instruments as per section 13500 for Bani Naim service connection and Flow Monitoring Chamber	1.00
	Total	1.00
UDSI-A-4-2-4 Testing and Commissioning of Electrical and Control System and Equipment complete		
E-S-173	Testing and Commissioning of Electrical and Control System and Equipment	1.00
	Total	1.00
UDSI-A-4-3-1 Supply, install and construct Main Monitoring water meter chamber complete at STA.3+420, 5+580. DN 500 mm.		
E-R400	Construction of Flow Meter Monitoring chamber at station 3+420	0.40
E-R810	Construction of 500mm Flow Meter Monitoring chamber at station 5+580	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	1.20
	Total	2.00
UDSI-A-4-3-2 Supply, install and construct Main Monitoring water meter chamber complete at Yatta Junction DN 400 mm.		
E-R110	Construction of Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	0.40
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	0.60
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.00
	Total	1.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-4-3-3 SCADA Head-End Integration and Programming		
E-S-172	SCADA Head-End Integration and Programming	3.00
	Total	3.00
UDSI-A-4-3-4 Supply and Install Instruments per Section 13500A,P&Ids,Drawings and Specification Including all Appurtenances Required for Complete and Functional System		
E-S-171	Supply and Install Instruments as per section 13500 for Bani Naim service connection and Flow Monitoring Chamber	3.00
	Total	3.00
UDSI-A-4-3-5 Testing and Commissioning of Electrical and Control System and Equipment		
E-S-173	Testing and Commissioning of Electrical and Control System and Equipment	3.00
	Total	3.00
UDSI-A-4-4-1 Supply and install complete DN 500 mm BFV and its chamber		
E-R350	Construction of 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	0.40
E-R170	Construction of 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	0.40
E-R290	Construction of 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	0.40
E-R610	Construction of 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	0.40
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	1.20
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	1.20
	Total	4.00

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RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-4-4-2 Supply and install complete DN 150 mm Gate Valve and its chamber		
E-R340	Construction of 150mm Gate Valve chamber at station 3+050	0.40
E-R160	Construction of 150mm Gate Valve chamber at station 0+990	0.40
E-R280	Construction of 150mm Gate Valve chamber at station 1+960	0.40
E-R600	Construction of 150mm Gate Valve chamber at station 4+510	0.40
E-R670	Construction of 150mm Gate Valve chamber at station 4+850	0.40
E-R690	Construction of 150mm Gate Valve chamber at station 4+865	0.40
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	1.20
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	2.40
Total		6.00

UDSI-A-4-4-3 Supply and install complete DN 80 mm Gate Valve and its chamber		
E-R320	Construction of 80mm Gate Valve chamber at station 2+370	0.40
E-R390	Construction of 80mm Gate Valve chamber at station 3+245	0.40
E-R440	Construction of 80mm Gate Valve chamber at station 3+530	0.40
E-R460	Construction of 80mm Gate Valve chamber at station 3+570	0.40
E-R480	Construction of 80mm Gate Valve chamber at station 3+860	0.40
E-R190	Construction of 80mm Gate Valve chamber at station 1+065	0.40
E-R210	Construction of 80mm Gate Valve chamber at station 1+360	0.40
E-R230	Construction of 80mm Gate Valve chamber at station 1+440	0.40
E-R250	Construction of 80mm Gate Valve chamber at station 1+820	0.40

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-R270	Construction of 80mm Gate Valve chamber at station 1+960	0.40
E-R550	Construction of 80mm Gate Valve chamber at station 4+110	0.40
E-R590	Construction of 80mm Gate Valve chamber at station 4+450	0.40
E-R630	Construction of 80mm Gate Valve chamber at station 4+585	0.40
E-R730	Construction of 80mm Gate Valve chamber at station 5+000	0.40
E-R760	Construction of 80mm Gate Valve chamber at station 5+215	0.00
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	3.00
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	5.40
Total		14.00

UDSI-A-4-4-4 Supply and install complete DN 350 mm BFV and its chamber

E-R770	Construction of 500mm BFV chamber at station 5+570 (350mm isolation chamber 3)	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.60
Total		1.00

UDSI-A-4-5-1 Supply and install complete DN 100 mm Combination Air Valve (combination of air and vacuum valve and air release valve), piping, and its chamber on DN 500 mm pipeline

E-R370	Construction of 100mm AVAR chamber at station 3+145 for 500mm pipe	0.40
E-R500	Construction of 100mm AVAR chamber at station 3+872 for 500mm pipe	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	1.20
Total		2.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-4-5-2 Supply and install complete DN 150 mm Combination Air Valve (combination of air and vacuum valve and air release valve), piping, and its chamber on DN 500 mm pipeline		
E-R570	Construction of 150mm AVAR chamber at station 4+390 for 500mm pipe	0.40
E-R710	Construction of 150mm AVAR chamber at station 4+905.5 for 500mm pipe	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	1.20
Total		2.00
UDSI-A-4-5-3 Supply and install complete DN 75 mm Combination Air Valve (combination of air and vacuum valve and air release valve), piping, and its chamber on DN 150 mm pipeline		
E-R360	Construction of 75mm AVAR chamber at station 3+144 for 150mm pipe	0.40
E-R490	Construction of 75mm AVAR chamber at station 3+873 for 150mm pipe	0.40
E-R560	Construction of 75mm AVAR chamber at station 4+391 for 150mm pipe	0.40
E-R700	Construction of 75mm AVAR chamber at station 4+904.5 for 150mm pipe	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	2.40
Total		4.00
UDSI-A-4-6-1 Supply and install complete DN 200mm washout pipeline and its chamber on DN 500mm pipes		
E-R420	Construction of 200mm WO chamber at station 3+513 for 500mm pipe	0.40
E-R520	Construction of 200mm WO chamber at station 4+000 for 500mm pipe	0.40
E-R175	Construction of 200mm WO chamber at station 1+450 for 500mm pipe	0.40
E-R650	Construction of 200mm WO chamber at station 4+603 for 500mm pipe	0.40
E-R780	Construction of 200mm WO chamber at station 5+526.5 for 500mm pipe	0.40

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RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	0.60
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	2.40
Total		5.00

UDSI-A-4-6-2 Supply and install complete DN 75mm washout pipeline and its chamber on DN 150mm pipes

E-R410	Construction of 75mm WO chamber at station 3+512 for 150mm pipe	0.40
E-R510	Construction of 75mm WO chamber at station 3+997.5 for 150mm pipe	0.40
E-R176	Construction of 75mm WO chamber at station 1+448 for 150mm pipe	0.40
E-R640	Construction of 75mm WO chamber at station 4+604 for 150mm pipe	0.40
E-R785	Construction of 75mm WO chamber at station 5+526.5 for 150mm pipe	0.40
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase 1	0.60
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	2.40
Total		5.00

UDSI-A-4-7-1 Supply and install and construct complete Emergency Service Connection chambers . Refer to Ras At Tawil Emergency Service Connection Chamber DN 100 mm

E-R800	Construction of Ras At-Tawil Emergency Service Connection Chamber at Station 5+570 as per detail M-0003	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.60
Total		1.00

UDSI-A-4-7-2 Supply and install and construct complete Emergency Service Connection chambers . Refer to Al 'Uddiesa Emergency Service Connection Chamber DN 150 mm

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-R680	Construction of Al-Uddeisa Emergency Service Connection Chamber at Station 4+860 as per detail M-0004	0.40
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	0.60
	Total	1.00
UDSI-A-5-1 Asphalt reinstatement over trench with 500 mm pipes . St.1+000 to 1+019 and 5+565 to 5+597		
E1000	Asphalt reinstatement over trench with 500 mm pipes St.1+000 to 1+019 and 5+565 to 5+597 and over trench 6" at Sta. 950	51.00
	Total	51.00
UDSI-A-5-2 Asphalt reinstatement in narrow roads up to 3.0 m width, removal of the asphalted area and reconstruction to match original asphalt level. 3+416 to 3+436,		
E1010	Asphalt reinstatement in narrow roads up to 3.0 m width, 3+416 to 3+436,	72.00
	Total	72.00
UDSI-A-5-3 Asphalt reinstatement over trench with 350 mm pipes		
E1060	Asphalt reinstatement over trench with 350 mm pipes	20.00
	Total	20.00
UDSI-A-5-4 Asphalt reinstatement over trench with 150 mm pipes. St. 0+995 to St. 1+020,		
E1000	Asphalt reinstatement over trench with 500 mm pipes St.1+000 to 1+019 and 5+565 to 5+597 and over trench 6" at Sta. 950	61.00
	Total	61.00

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-5-5 Base course reinstatement over dual trench with 500 and 150 mm pipes, including 300mm base course layer, St. 5+080 to 5+565.		
E1020	Basecourse reinstatement over dual trench with 500 and 150 mm pipes St. 5+080 to 5+565.	485.00
	Total	485.00
UDSI-A-5-6 Asphalt reinstatement over trench with 500 and 150 mm, St. 1+019 to 1+920		
E1030	Asphalt reinstatement over trench with 500 and 150 mm, St. 1+019 to 1+920	901.00
	Total	901.00
UDSI-A-5-7 Asphalt reinstatement in narrow roads up to 3.0 m width, St.1+920 to 3+416, 3+436 to 5+080		
E1040	Asphalt reinstatement in narrow roads up to 3.0 m width, St.1+920 to 3+416, 3+436 to 5+080	11304.00
	Total	11304.00
UDSI-A-5-8 Asphalt reinstatement over trench with 80 mm pipes		
E1050	Asphalt reinstatement over trench with 80 mm pipes	182.00
	Total	182.00
UDSI-A-6-1 Cleaning, washing, hydraulic test and disinfection for all the new pipelines in the project.		
E-S-140	Cleaning, washing, hydraulic test and disinfection for Ras Al Taweel & Al 'Uddeisa Transmission Pipeline	9386.00
	Total	9386.00

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RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
UDSI-A-6-2 Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to Reroute Connection at Station 5+597		
E-T-01	Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to connection	3700.00
	Total	3700.00
UDSI-A-7-1 Marking pipe as per Specs & Detail, C-518.		
E1090	Pipe Marking	12.00
	Total	12.00
UDSI-A-8-1 Concrete encasement		
E1070	Concrete Encasement	150.00
	Total	150.00
UDSI-A-8-2 Reinforced concrete pipe encasement for pipes run on top of culvert, price to include reinforcement bars		
E1080	Reinforced Concrete Encasement	20.00
	Total	20.00
UDSI-A-9-1 Testing		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name		Planned Units
Activity ID	Activity		
E-S-174	Testing and Commissioning of the entire system		1.00
		Total	1.00
UDSI-A-9-2 Training			
E-S-150	Training		1.00
		Total	1.00
UDSI-A-9-3 O&M Technical Manuals			
E-S-160	O&M Technical Manuals		1.00
		Total	1.00
UDSI-A-9-4 Site inspection/ Support/ Start up			
E-S-145	Site inspection/ Support/ Start up (Precommissioning)		1.00
		Total	1.00
UDSI-B-1-1-1 Trench Excavation for 400 mm pipes			
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61		43.00
		Total	43.00
UDSI-B-1-2-1 Backfill for pipe and trench zone, 400mm pipes			

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	43.00
	Total	43.00
UDSI-B-1-3-1 Backfill for pipe and trench zone, 400mm pipes		
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	43.00
	Total	43.00
UDSI-B-2-1-1 Steel Pipe and fittings, 400 mm		
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	59.00
	Total	59.00
UDSI-B-3-1 DN400 steel pipe to DN900 existing DIP Connection:		
E-S-10	Disconnect the 900 DIP Main Pipeline and installation of New 900 X 400 steel Tee with Ductile Flanged Socket Adaptors	1.00
	Total	1.00
UDSI-B-3-2 Steel Pipe Tank Connection:		
E-S-60	Installation of Tank Connection as per Detail CD-0001	1.00
	Total	1.00
UDSI-B-4-1-1 Supply and install complete DN 300 mm flanged butterfly Valve and its chamber		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code Activity ID	Resource Name Activity	Planned Units
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	1.00
	Total	1.00
UDSI-B-4-1-2 Supply and install complete DN 400 mm flanged buried butterfly Valve (Al Safi Tee to 900mm pipeline)		
E-S-20	Installation of 400 mm Flanged dismantling Joint and 400mm Flanged Butterfly Valve including 400 mm steel pipe	1.00
	Total	1.00
UDSI-B-4-1-3 Supply and install complete DN 400 mm flanged butterfly Valve and its chamber		
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	1.00
	Total	1.00
UDSI-B-4-2-1 Supply and install all Flow Monitoring & Flow Control Valve Assembly as per M-0001		
E-S-40	Installation of Flow Meter and PRV Equipment Pad as per sheet M-0001	1.00
	Total	1.00
UDSI-B-5-1 Asphalt reinstatement over trench with 400 mm & 900mm pipes		
E-S-30	Construction of Conceret Pad as per detail S-190 - S-DT06 and Reconstruct Concrete wall and fence and Asphalt Reinstatem	3.00
	Total	3.00
UDSI-B-6-1 Reconstruction of the concrete wall and fence section that might be demolished during pipeline trench excavation (Optional)		

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RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-S-30	Construction of Conceret Pad as per detail S-190 - S-DT06 and Reconstruct Concrete wall and fence and Asphalt Reinstatem	1.00
	Total	1.00
UDSI-B-7-1 Cleaning, washing, hydraulic test and disinfection for the entire pipelines in the project.		
E-S-090	Cleaning, washing, hydraulic test and disinfection for the entire pipelines in AISafi	70.00
	Total	70.00
UDSI-B-8-1 Markers as per Specs & Detail		
E-S-65	Pipe Marking	1.00
	Total	1.00
UDSI-B-9-1 PLC / RTU Programming		
E-S-80	PLC/ RTU and SCADA Programming	1.00
	Total	1.00
UDSI-B-9-2 SCADA Head-End Integration and Programming		
E-S-80	PLC/ RTU and SCADA Programming	1.00
	Total	1.00
UDSI-B-9-3 SCADA system Front End Processor (FEP) programming modifications / additions and communication		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name	Planned Units
Activity ID	Activity	
E-S-80	PLC/ RTU and SCADA Programming	1.00
	Total	1.00
UDSI-B-9-4 Instrumentation Wiring for Flow and Pressure Transmitters		
E-S-70	Instrumentation and Power Wiring for Flow and Pressure Transmitters	1.00
	Total	1.00
UDSI-B-9-5 Power wiring for Flow Meters		
E-S-70	Instrumentation and Power Wiring for Flow and Pressure Transmitters	1.00
	Total	1.00
UDSI-B-10-1 Testing		
E-S-90	Testing and Commissioning of Electrical and Control System and Equipment	1.00
	Total	1.00
UDSI-B-10-2 Training		
E-S-110	Training	1.00
	Total	1.00
UDSI-B-10-3 O&M Technical Manuals		

RA-01 Resource Assignments, All Activities

User's Notes:

Resource Code	Resource Name		Planned Units
Activity ID	Activity		
E-S-120	O&M Technical Manuals		1.00
		Total	1.00
UDSI-B-10-4 Site inspection/ Support/ Start up			
E-S-100	Site inspection/ Support/ Start up (Precommissioning)		1.00
		Total	1.00
UDSI-MOB Mobilization			
UDS-MOB-09	Mobilization Summary		1.00
		Total	1.00
UDSI-DEMOB Demobilization			
PCS1100	Demobilization		0.00
		Total	0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
SAK	Saqqa and Khoudary Co. Ltd.				
Water	Water Projects				
UDSI	UDSI				
UDSI-BL	Baseline Schedule				
TO	Baseline - Ras Al Tawil & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi Booster				
14-02-UDSI-BL	Station				
TO	Milestones				
14-02-UDSI-					
TO	General Milestones				
14-02-UC					
UDS-A-001	Notice to Proceed (NTP)	Not Started	\$0.00	\$0.00	\$0.00
UDS-A-011	Completion of Task Order	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO	Intermediate Milestones				
14-02-UC					
UDS-IA-01	Start of Mobilization	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-02	Finish of Mobilization	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-03	Start of Pre-Construction Submittals	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-04	Finish of Pre-Construction Submittals	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-05	Start of Construction Submittals	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-06	Finish of Construction Submittals	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-16	Start of Construction (Ground Breaking)	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-IA-20	Start of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-26	Finish of Construction of Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-30	Start of Construction of Al Safi Booster Station – Phase I Pipeline Connection	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-36	Finish of Construction of Al Safi Booster Station – Phase I Pipeline Connection	Not Started	\$0.00	\$0.00	\$0.00
UDS-IA-46	Project Duration	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO PreConstruction Phase					
14-02-UDSI-					
TO Mobilization					
14-02-UC					
UDS-MOB-01	Pre-Construction Dilapidation Survey	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-02	Provide, furnish and erect Temporary Project Signs	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-03	Supply and furnish Field Office Furniture and Miscellaneous	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-04	Supply and install Field Office Computer Systems and IT Equipments	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MOB-05	Arrange for and erect Contractor's work and Storage Yards	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-06	Moving onto the Sites of all Plant and equipments	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-07	Post OSHA-required notices and establish safety programs	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-08	Installation of Temporary Facilities as per section 01500	Not Started	\$0.00	\$0.00	\$0.00
UDS-MOB-09	Mobilization Summary	Not Started	\$161,632.00	\$0.00	\$161,632.00
Subtotal			\$161,632.00	\$0.00	\$161,632.00
TO PreConstruction Submittals					
14-02-UC					
UDS-PC-SUB-01	Preparation & Submit Copy of Bank Guarantee Certificates	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-01-R&A	Review & Approval of Bank Guarantee Certificates	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-02-R&A	Review & Approval of Scheduling Qualification Submittal	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-03-R&A	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-04	Preparation & Submit Submittals Schedule	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-PC-SUB-04-R&A	Review & Approval of Submittals Schedule	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-05	Preparation & Submit Key Staff	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-05-R&A	Review & Approval of Key Staff	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-06	Preparation & Submit Project Temporary Signs	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-06-R&A	Review & Approval of Project Temporary Signs	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-07-R&A	Review & Approval of Engineer's Field Office Location and Layout	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-08	Preparation & Submit Field Office Furniture and Equipment Plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-08-R&A	Review & Approval of Field Office Furniture and Equipment Plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-10-R&A	Review & Approval of Quality Control Plan with Testing Lab C.V	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-11	Preparation & Submit Safety Plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-11-R&A	Review & Approval of Safety Plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-13	Preparation & Submit Environmental Monitoring and	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-13-R&A	Review & Approval of	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-PC-SUB-14	Preparation & Submit General Construction Method Statement	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-14-R&A	Review & Approval of General Construction Method Statement	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-16	Preparation & Submit Construction Risk Management Program	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-16-R&A	Review & Approval of Construction Risk Management Program	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-17	Preparation & Submit Dilapidation Survey	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-17-R&A	Review & Approval of Dilapidation Survey	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-19	Preparation & Submit Insurances	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-19-R&A	Review & Approval of Insurances	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-20	Preparation & Submit Lists of Permits and Licenses	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-20-R&A	Review & Approval of Lists of Permits and Licenses	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-21	Preparation & Submit Dumping Site	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-21-R&A	Review & Approval of Dumping Site	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-22	Preparation & Submit Storage Yard	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-22-R&A	Review & Approval of Storage Yard	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-23	Preparation & Submit Trench Safety Plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-23-R&A	Review & Approval of Trench	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$0.00	\$0.00	\$0.00
TO Traffic Control Plan, Coordination and Permits					
14-02-UC					
UDS-COR-01	Receive Final for Construction Drawings	Not Started	\$0.00	\$0.00	\$0.00
UDS-COR-02	Coordination with the DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	Not Started	\$0.00	\$0.00	\$0.00
UDS-COR-03	Coordination with Local authorities and obtain required permits for start of construction	Not Started	\$0.00	\$0.00	\$0.00
UDS-COR-04	Coordination with Maatz and obtain the required permits - If applicable Area C	Not Started	\$0.00	\$0.00	\$0.00
UDS-COR-12	Coordination with the COGAT to obtain all the necessary approvals	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-12	Preparation & Submit Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-12-R&A	Review & Approval of Traffic Control Plan from Station 1+000 to Sta. 2+100 (Area A)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-30	Preparation & Submit Traffic Control Plan from Sta. 2+100 to Sta. 3+880 (Area A +Area B)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-30-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. 2+100 to Sta. 3+880 (Area A +Area B)	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-PC-SUB-40	Preparation & Submit Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-40-R&A	Review & Approval of Traffic Control Plan for Area A from Sta. 3+880 to Sta. 5+597 (Area C)	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-50	Preparation & Submit Traffic Control Plan for Yatta Junction and Bani Naim reservoir	Not Started	\$0.00	\$0.00	\$0.00
UDS-PC-SUB-50-R&A	Review & Approval of Traffic Control Plan for Yatta Junction and Bani Naim reservoir	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$161,632.00	\$0.00	\$161,632.00
TO Construction Phase					
14-02-UDSI-					
TO Construction Submittals					
14-02-UE					
TO Shopdrawing submittals					
14-02-UE					
TO Water Pipeline Shopdrawing					
14-02-UE					
TO 500mm, 150mm and 80mm Pipes					
14-02-UE					
UDS-CS-10	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta.	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-10 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+000 to Sta.1+500	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-20	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-20 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 1+500 to Sta.2+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-30	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-30 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 2+000 to Sta.3+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-40	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-40 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 3+000 to Sta.4+000	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-50	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 4+000 to Sta.5+00	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-50 R&A	Review & Approval of Shop	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-55	Prep. & Sub. Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-55 R&A	Review & Approval of Shop drawing for 500 mm Main, 150mm and 80mm Pipeline from Sta. 5+000 to Sta.5+597	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Connect to the existing					
14-02-UE					
UDS-CS-240	Prep. & Sub. Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 and 6" (Southern Connection)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-240 R&A	Review & Approval of Shop drawing for Cut-in Connect to existing 500mm DIP as per A/CD-0001 6" (Southern Connection)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-250	Prep. & Sub. Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northen Connection)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-250 R&A	Review & Approval of Shop drawing for Connect to Existing 500mm DIP as per detail B/CD-0001 (Northen Connection)	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$0.00	\$0.00	\$0.00
TO 14-02-UE	Chambers Shopdrawing				
TO 14-02-UE	Gate Valve Chambers				
UDS-CS-060	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-060 R&A	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-090	Prep. & Sub. Shop drawing for 80mm Gate Valve chamber	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-090 R&A	Review & Approval of Shop drawing for 80mm Gate Valve chamber	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO 14-02-UE	AVAR Chambers				
UDS-CS-110	Prep. & Sub. Shop drawing for 75mm AVAR chamber on 150mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-110 R&A	Review & Approval of Shop drawing for 75mm AVAR chamber on 150mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-120	Prep. & Sub. Shop drawing for 100mm AVAR chamber on 500mm	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-120 R&A	Review & Approval of Shop drawing for 100mm AVAR chamber on 500mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-160	Prep. & Sub. Shop drawing for 150mm AVAR chamber on 500mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-160 R&A	Review & Approval of Shop drawing for 150mm AVAR chamber on 500mm pipe	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO WO Washout Chambers					
14-02-UC					
UDS-CS-140	Prep. & Sub. Shop drawing for 75mm WO chamber on 150mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-140 R&A	Review & Approval of Shop drawing for 75mm WO chamber on 150mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-150	Prep. & Sub. Shop drawing for 200mm WO chamber on 500mm pipe	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-150 R&A	Review & Approval of Shop drawing for 200mm WO chamber on 500mm pipe	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO BFV Chambers					
14-02-UC					

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-070	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-070 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-080	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-080 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-100	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-100 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-180	Prep. & Sub. Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-180 R&A	Review & Approval of Shop drawing for 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-185	Prep. & Sub. Shop drawing for	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-185 R&A	Review & Approval of Shop drawing for BFV chamber at station 5+570 (350mm isolation chamber 3)	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Flow Meter Monitoring chamber					
14-02-UI					
UDS-CS-130	Prep. & Sub. Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-130 R&A	Review & Approval of Shop drawing for Flow Meter Monitoring chamber at station 3+420 and at station 5+580	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-210	Prep. & Sub. Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-210 R&A	Review & Approval of Shop drawing for Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Connection Chambers					
14-02-UI					
UDS-CS-190	Prep. & Sub. Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-190 R&A	Review & Approval of Shop drawing for Al-Uddeisa Emergency Service Connection Chamber at Station 4+860	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-200	Prep. & Sub. Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570 as per detail M-0003	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-200 R&A	Review & Approval of Shop drawing for Ras At-Tawil Emergency Service Connection Chamber at Station 5+570	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-220	Prep. & Sub. Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-220 R&A	Review & Approval of Shop drawing for Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO	Check Valve Chambers				
14-02-UC					
UDS-CS-230	Prep. & Sub. Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-230 R&A	Review & Approval of Shop drawing for Check Valve chamber as per detail A/M-0001 at Yatta Junction	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO 14-02-UC	Civil Shopdrawing				
UDS-CS-260	Prep. & Sub. Shop drawing for Roads	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-260 R&A	Review & Approval of Shop drawing for Roads	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-270	Prep. & Sub. Shop drawing for Formwork	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-270 R&A	Review & Approval of Shop drawing for Formwork	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO 14-02-UC	Al-Safi Shopdrawing				
UDS-CS-280	Prep. & Sub. Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-280 R&A	Review & Approval of Shop drawing for connection of DN400 steel pipe to DN900 existing DIP	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-290	Prep. & Sub. Shop drawing for Steel Pipe Tank Connection	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-290 R&A	Review & Approval of Shop drawing for Steel Pipe Tank Connection	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CS-300	Prep. & Sub. Shop drawing for Flow Monitoring & Flow Control Valve Assembly	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-300 R&A	Review & Approval of Shop drawing for Flow Monitoring & Flow Control Valve Assembly	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-310	Prep. & Sub. Shop drawing for 300mm and 400mm BFV chambers	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-310 R&A	Review & Approval of Shop drawing for 300mm and 400mm BFV chambers	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-320	Prep. & Sub. Shop drawing for Instrumentations	Not Started	\$0.00	\$0.00	\$0.00
UDS-CS-320 R&A	Review & Approval of Shop drawing for Instrumentations	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO 14-02-UC	Material Submittals				
TO 14-02-UC	Mechanical Material Submittals				
UDS-MMS-010	Prep. & Sub. 500mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-010-RA	Review & Approval of 500 mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-020	Prep. & Sub. Butterfly Valve	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MMS-020-RA	Review & Approval of Butterfly Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-030	Prep. & Sub. Gate Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-030-RA	Review & Approval of Gate Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-040	Prep. & Sub. Combination Air Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-040-RA	Review & Approval of Combination Air Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-050	Prep. & Sub. Check Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-050-RA	Review & Approval of Check Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-060	Prep. & Sub. Flow Control Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-060-RA	Review & Approval of Flow Control Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-070	Prep. & Sub. Pressure Relief Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-070-RA	Review & Approval of Pressure Relief Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-080	Prep. & Sub. Strainer	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-080-RA	Review & Approval of Strainer	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-090	Prep. & Sub. Combined flow control and Pressure Reducing Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-090-RA	Review & Approval of Combined flow control and Pressure Reducing Valve	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-110	Prep. & Sub. Dismantling joints	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-110-RA	Review & Approval of Dismantling joints	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-120	Prep. & Sub. Mechanical coupling & socket adapters	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MMS-120-RA	Review & Approval of Mechanical coupling & socket adapters	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-140	Prep. & Sub. Float (level) control valves	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-140-RA	Review & Approval of Float (level) control valves	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-150	Prep. & Sub. Flange Gaskets	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-150-RA	Review & Approval of Flange Gaskets	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-160	Prep. & Sub. Galvanized Malleable Iron Fittings Up to 2"	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-160-RA	Review & Approval of Galvanized Malleable Iron Fittings Up to 2"	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-170	Prep. & Sub. Bolts, studs, nuts, and washers	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-170-RA	Review & Approval of Bolts, studs, nuts, and washers	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-180	Prep. & Sub. Flanges	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-180-RA	Review & Approval of Flanges	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-190	Prep. & Sub. Pressure Gauge, ball valve, and snubber	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-190-RA	Review & Approval of Pressure Gauge, ball valve, and snubber	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-200	Prep. & Sub. Steel fittings (elbows, reducers, tees, etc)	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-200-RA	Review & Approval of Steel fittings (elbows, reducers, tees, etc)	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-210	Prep. & Sub. Heat Shrinkable for Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-210-RA	Review & Approval of Heat Shrinkable for Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MMS-220	Prep. & Sub. Steel pipes marking Sample	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-220-RA	Review & Approval of Steel pipes marking Sample	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-230	Prep. & Sub. 450mm, 400mm, 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
UDS-MMS-230-RA	Review & Approval of 450mm, 400mm, 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Civil Material Submittals					
14-02-UC					
UDS-CMS-10	Prep. & Sub. Bedding Material	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-10-RA	Review & Approval of Bedding Material	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-20	Prep. & Sub. Single Size Backfilling Material	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-20-RA	Review & Approval of Single Size Backfilling Material	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-30	Prep. & Sub. Base Course	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-30-RA	Review & Approval of Base Course	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-40	Prep. & Sub. Concrete Mix Design	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-40-RA	Review & Approval of Concrete Mix Design	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-CMS-45	Prep. & Sub. Steel Reinforcement	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-45-RA	Review & Approval of Steel Reinforcement	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-50	Prep. & Sub. Bituminous Cold Material (for external coating for Concrete Chambers)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-50-RA	Review & Approval of Bituminous Cold Material (for external coating for Concrete Chambers)	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-60	Prep. & Sub. Manhole covers and frames	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-60-RA	Review & Approval of Manhole covers and frames	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-70	Prep. & Sub. Pipe's supports	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-70-RA	Review & Approval of Pipe's supports	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-80	Prep. & Sub. Manhole Rungs	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-80-RA	Review & Approval of Manhole Rungs	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-90	Prep. & Sub. Asphalt Mix Design	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-90-RA	Review & Approval of Asphalt Mix Design	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-91	Prep. & Sub. Prime Coat and Tack Coat	Not Started	\$0.00	\$0.00	\$0.00
UDS-CMS-91-RA	Review & Approval of Prime Coat and Tack Coat	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00

**TO Electrical Material Submittals
14-02-UC**

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-EMS-10	Prep. & Sub. Pressure differential switches	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-10-RA	Review & Approval of Pressure differential switches	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-20	Prep. & Sub. Antenna gsm / gprs Modem	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-20-RA	Review & Approval of Antenna gsm / gprs Modem	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-30	Prep. & Sub. Cathode protection: Anodes, Test Stations	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-30-RA	Review & Approval of Cathode protection: Anodes, Test Stations	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-40	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit and Link Seal	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-40-RA	Review & Approval of Cathode protection: Accessories, flanges insulating kit and Link Seal	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-50	Prep. & Sub. Pressure Transmitters	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-50-RA	Review & Approval of Pressure Transmitters	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-60	Prep. & Sub. Magnetic flow-meters	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-60-RA	Review & Approval of Magnetic flow-meters	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-70	Prep. & Sub. Magnetic flow-meters for Al-Safi	Not Started	\$0.00	\$0.00	\$0.00
UDS-EMS-70-RA	Review & Approval of Magnetic flow-meters for Al-Safi	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$0.00	\$0.00	\$0.00
TO Method Statement 14-02-UC					
UDS-MS-009	Prep. & Sub. Method statement for testing of existing pipeline	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-009-RA	Review & Approval of Method statement for testing of existing pipeline	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-010	Prep. & Sub. Pipeline installation method statement	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-010-RA	Review & Approval of Pipeline installation method statement	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-020	Prep. & Sub. Method Statement for Repairing Pipe Cement Mortar Lining	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-020-RA	Review & Approval of Method Statement for Repairing Pipe Cement Mortar Lining	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-030	Prep. & Sub. Method Statement for Radiographic Testing and safety plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-030-RA	Review & Approval of Method Statement for Radiographic Testing and safety plan	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-040	Prep. & Sub. Cathode protection: Installation method statement and Shop Drawing	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-040-RA	Review & Approval of Cathode protection: Installation method statement and Shop Drawing	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MS-050	Prep. & Sub. Coating procedure for exposed and/or inside manhole pipes and fittings	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-050-RA	Review & Approval of Coating procedure for exposed and/or inside manhole pipes and fittings	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-060	Prep. & Sub. Method Statement for Pipeline Testing and	Not Started	\$0.00	\$0.00	\$0.00
UDS-MS-060-RA	Review & Approval of Method Statement for Pipeline Testing and Disinfection	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Miscellaneous					
14-02-UC					
UDS-MIS-10	Prep. & Sub. Welding Procedure	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-10-RA	Review & Approval of Welding Procedure	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-30	Prep. & Sub. Identification Tape	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-30-RA	Review & Approval of Identification Tape	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-50	Prep. & Sub. Water Quality Testing Lab	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-50-RA	Review & Approval of Water Quality Testing Lab	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-60	Prep. & Sub. Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-60-RA	Review & Approval of Welding testing Labs e.g. Arc-Eyes (Visual) & Morex (RT)	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
UDS-MIS-70	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-70-RA	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-80	Prep. & Sub. Training Submittal (Qualification and Material)	Not Started	\$0.00	\$0.00	\$0.00
UDS-MIS-80-RA10	Review & Approval of Training Submittal (Qualification and Material)	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
TO Procurement					
14-02-UC					
PRO-01	Order of 500 mm, 350mm, 150mm, 80mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
PRO-1020	Manufacturing of 500 mm, 350mm, 150mm, 80mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
PRO-1030	Delivery of 500 mm, 350mm, 150mm, 80mm Steel Pipes	Not Started	\$0.00	\$0.00	\$0.00
PRO-1031	Order of Mechanical electrical fittings	Not Started	\$0.00	\$0.00	\$0.00
PRO-1032	Manufacturing of Mechanical and electrical fittings	Not Started	\$0.00	\$0.00	\$0.00
PRO-1035	Delivery of Mechanical and electrical fittings	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$0.00	\$0.00	\$0.00
TO Execution					
14-02-UC					
TO Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A					
14-02-UC					
TO Yatta Junction Traffic Control					
14-02-UC					
E-R880	Implementation of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	Not Started	\$0.00	\$0.00	\$0.00
E-R890	Maintain of Traffic Control Plan at Yatta Junction and Bani Naim reservoir	Not Started	\$0.00	\$0.00	\$0.00
TO Yatta Junction and Bani Naim Reservoir Service Connection					
14-02-UC					
E-R110	Construction of Flow Monitoring chamber as per detail M-VCFM at Yatta Junction	Not Started	\$40,000.00	\$0.00	\$40,000.00
E-R120	Construction of Two Check Valve chamber as per detail A/M-0001 at Yatta Junction	Not Started	\$54,400.00	\$0.00	\$54,400.00
E-R130	Construction of Bani Naim Reservoir Connection Chamber as per Detail A/M-0002	Not Started	\$20,000.00	\$0.00	\$20,000.00
Subtotal			\$114,400.00	\$0.00	\$114,400.00
TO Testing of Existing Pipeline					
14-02-UC					

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-T-01	Clean, disinfect and test existing 500 mm DIP pipeline from Halhoul Regional Reservoir to connection	Not Started	\$14,800.00	\$0.00	\$14,800.00
Subtotal			\$14,800.00	\$0.00	\$14,800.00
Subtotal			\$129,200.00	\$0.00	\$129,200.00
TO Phase 1					
14-02-UC					
E-R100	Implementation of Traffic Control Plan Phase 1	Not Started	\$0.00	\$0.00	\$0.00
E-R850	Maintain of Traffic Control Plan Phase 1	Not Started	\$0.00	\$0.00	\$0.00
TO Pipeline segment from Station 1+000 to station 2+000					
14-02-UC					
TO Dual Trench 500mm and 150mm Pipelines and chambers					
14-02-UC					
E-R140	Cut-in Connect to existing 500mm DIP as per detail A/CD-0001 and 6" pipe (Southern Connection)	Not Started	\$6,500.00	\$0.00	\$6,500.00
E-R150	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 1+000 to ST 2+000 includ. Cathode Protection Instal	Not Started	\$407,707.00	\$0.00	\$407,707.00
E-R160	Construction of 150mm Gate Valve chamber at station 0+990	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R170	Construction of 500mm BFV chamber at station 1+010 (Bani Na'im BFV Chamber 1)	Not Started	\$12,800.00	\$0.00	\$12,800.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R175	Construction of 200mm WO chamber at station 1+450 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-R176	Construction of 75mm WO chamber at station 1+448 for 150mm pipe	Not Started	\$2,800.00	\$0.00	\$2,800.00
E-R280	Construction of 150mm Gate Valve chamber at station 1+960	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R290	Construction of 500mm BFV chamber at station 1+960 (500mm isolation Chamber 1)	Not Started	\$12,800.00	\$0.00	\$12,800.00
Subtotal			\$454,607.00	\$0.00	\$454,607.00
TO 80mm pipes and chambers					
14-02-UC					
E-R180	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+065	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R190	Construction of 80mm Gate Valve chamber at station 1+065	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R200	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+360	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R210	Construction of 80mm Gate Valve chamber at station 1+360	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R220	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+440	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R230	Construction of 80mm Gate Valve chamber at station 1+440	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R240	Excavation, Bedding, Installation	Not Started	\$2,210.00	\$0.00	\$2,210.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R250	Construction of 80mm Gate Valve chamber at station 1+820	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R260	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 1+960	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R270	Construction of 80mm Gate Valve chamber at station 1+960	Not Started	\$2,400.00	\$0.00	\$2,400.00
Subtotal			\$23,050.00	\$0.00	\$23,050.00
Subtotal			\$477,657.00	\$0.00	\$477,657.00
Subtotal			\$477,657.00	\$0.00	\$477,657.00
TO 14-02-UC Phase 2					
TO 14-02-UC Pipeline segment from Station 2+000 to station 3+000					
E-R830	Implementation of Traffic Control Plan Phase 2	Not Started	\$0.00	\$0.00	\$0.00
E-R860	Maintain of Traffic Control Plan Phase 2	Not Started	\$0.00	\$0.00	\$0.00
TO 14-02-UC Dual Trench 500mm and 150mm Pipelines and chambers					
E-R300	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 2+000 to ST 3+000 includ. Cathode Protection Instal	Not Started	\$393,600.00	\$0.00	\$393,600.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$393,600.00	\$0.00	\$393,600.00
TO 14-02-UC	80mm pipes and chambers				
E-R310	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 2+370	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R320	Construction of 80mm Gate Valve chamber at station 2+370	Not Started	\$2,400.00	\$0.00	\$2,400.00
Subtotal			\$4,610.00	\$0.00	\$4,610.00
Subtotal			\$398,210.00	\$0.00	\$398,210.00
TO 14-02-UC	Pipeline segment from Station 3+000 to station 4+000				
TO 14-02-UC	Dual Trench 500mm and 150mm Pipelines and chambers				
E-R330	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 3+000 to ST 4+000 includ. Cathode Protection Instal	Not Started	\$391,960.00	\$0.00	\$391,960.00
E-R340	Construction of 150mm Gate Valve chamber at station 3+050	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R350	Construction of 500mm BFV chamber at station 3+050 (500mm isolation chamber 2)	Not Started	\$12,800.00	\$0.00	\$12,800.00
E-R360	Construction of 75mm AVAR chamber at station 3+144 for 150mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R370	Construction of 100mm AVAR chamber at station 3+145 for 500mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-R400	Construction of Flow Meter Monitoring chamber at station 3+420	Not Started	\$49,600.00	\$0.00	\$49,600.00
E-R410	Construction of 75mm WO chamber at station 3+512 for 150mm pipe	Not Started	\$2,800.00	\$0.00	\$2,800.00
E-R420	Construction of 200mm WO chamber at station 3+513 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-R490	Construction of 75mm AVAR chamber at station 3+873 for 150mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-R500	Construction of 100mm AVAR chamber at station 3+872 for 500mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-R510	Construction of 75mm WO chamber at station 3+997.5 for 150mm pipe	Not Started	\$2,800.00	\$0.00	\$2,800.00
E-R520	Construction of 200mm WO chamber at station 4+000 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
Subtotal			\$490,360.00	\$0.00	\$490,360.00
TO 80mm pipes and chambers					
14-02-UE					
E-R380	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+245	Not Started	\$2,210.00	\$0.00	\$2,210.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R390	Construction of 80mm Gate Valve chamber at station 3+245	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R430	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+530	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R440	Construction of 80mm Gate Valve chamber at station 3+530	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R450	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+570	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R460	Construction of 80mm Gate Valve chamber at station 3+570	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R470	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 3+860	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R480	Construction of 80mm Gate Valve chamber at station 3+860	Not Started	\$2,400.00	\$0.00	\$2,400.00
Subtotal			\$18,440.00	\$0.00	\$18,440.00
Subtotal			\$508,800.00	\$0.00	\$508,800.00
Subtotal			\$907,010.00	\$0.00	\$907,010.00
TO Phase 3					
14-02-UC					
TO Pipeline segment from Station 4+000 to station 5+000					
14-02-UC					
E-R840	Implementation of Traffic Control	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R870	Maintain of Traffic Control Plan Phase 3 (Area C)	Not Started	\$0.00	\$0.00	\$0.00
TO 14-02-UC	Dual Trench 500mm and 150mm Pipelines and chambers				
E-R530	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 4+000 to ST 5+000 includ. Cathode Protection Instal	Not Started	\$394,200.00	\$0.00	\$394,200.00
E-R560	Construction of 75mm AVAR chamber at station 4+391 for 150mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-R570	Construction of 150mm AVAR chamber at station 4+390 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-R600	Construction of 150mm Gate Valve chamber at station 4+510	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R610	Construction of 500mm BFV chamber at station 4+510 (500mm isolation chamber 3)	Not Started	\$12,800.00	\$0.00	\$12,800.00
E-R640	Construction of 75mm WO chamber at station 4+604 for 150mm pipe	Not Started	\$2,800.00	\$0.00	\$2,800.00
E-R650	Construction of 200mm WO chamber at station 4+603 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-R660	Excavation, Bedding, Installation and Backfilling of 150mm steel pipeline from station 4+850 to station 4+865	Not Started	\$11,448.00	\$0.00	\$11,448.00
E-R670	Construction of 150mm Gate Valve chamber at station 4+850	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R680	Construction of Al-Uddeisa Emergency Service Connection	Not Started	\$12,800.00	\$0.00	\$12,800.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R690	Construction of 150mm Gate Valve chamber at station 4+865	Not Started	\$3,200.00	\$0.00	\$3,200.00
E-R700	Construction of 75mm AVAR chamber at station 4+904.5 for 150mm pipe	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-R710	Construction of 150mm AVAR chamber at station 4+905.5 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
Subtotal			\$468,448.00	\$0.00	\$468,448.00
TO 80mm pipes and chambers					
14-02-UC					
E-R540	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+110	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R550	Construction of 80mm Gate Valve chamber at station 4+110	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R580	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+450	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R590	Construction of 80mm Gate Valve chamber at station 4+450	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R620	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 4+585	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R630	Construction of 80mm Gate Valve chamber at station 4+585	Not Started	\$2,400.00	\$0.00	\$2,400.00
E-R720	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+000	Not Started	\$2,210.00	\$0.00	\$2,210.00
E-R730	Construction of 80mm Gate Valve	Not Started	\$2,400.00	\$0.00	\$2,400.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$18,440.00	\$0.00	\$18,440.00
Subtotal			\$486,888.00	\$0.00	\$486,888.00
TO 14-02-UC	Pipeline segment from Station 5+000 to station 5+597				
TO 14-02-UC	Dual Trench 500mm and 150mm Pipelines and chambers				
E-R740	Exc., Bed., Install. and Backfill. dual trench 500 & 150mm pipelines 5+000 to ST 5+597 includ. Cathode Protection Instal	Not Started	\$242,416.00	\$0.00	\$242,416.00
E-R770	Construction of 500mm BFV chamber at station 5+570 (350mm isolation chamber 3)	Not Started	\$10,400.00	\$0.00	\$10,400.00
E-R780	Construction of 200mm WO chamber at station 5+526.5 for 500mm pipe	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-R785	Construction of 75mm WO chamber at station 5+526.5 for 150mm pipe	Not Started	\$2,800.00	\$0.00	\$2,800.00
E-R790	Excavation, Bedding, Installation and Backfilling of 350mm and 100mm steel pipelines from station 5+570	Not Started	\$9,780.00	\$0.00	\$9,780.00
E-R800	Construction of Ras At-Tawil Emergency Service Connection Chamber at Station 5+570 as per detail M-0003	Not Started	\$10,800.00	\$0.00	\$10,800.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-R810	Construction of 500mm Flow Meter Monitoring chamber at station 5+580	Not Started	\$49,600.00	\$0.00	\$49,600.00
E-R820	Connect to Existing 500mm DIP as per detail B/CD-0001 (Northen Connection)	Not Started	\$5,000.00	\$0.00	\$5,000.00
Subtotal			\$336,396.00	\$0.00	\$336,396.00
TO 80mm pipes and chambers					
14-02-UC					
E-R750	Excavation, Bedding, Installation and Backfilling of 80mm steel pipeline at station 5+215	Not Started	\$0.00	\$0.00	\$0.00
E-R760	Construction of 80mm Gate Valve chamber at station 5+215	Not Started	\$0.00	\$0.00	\$0.00
Subtotal			\$0.00	\$0.00	\$0.00
Subtotal			\$336,396.00	\$0.00	\$336,396.00
Subtotal			\$823,284.00	\$0.00	\$823,284.00
TO Mechanical Electrical installation					
14-02-UC					
TO Mechanical Valves and Fittings					
14-02-UC					
E-M-01	Installation of all mechanical fittings and valves for Chambers - Phase	Not Started	\$250,200.00	\$0.00	\$250,200.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-M-02	Installation of all mechanical fittings and valves for Chambers - Phase 2	Not Started	\$393,000.00	\$0.00	\$393,000.00
Subtotal			\$643,200.00	\$0.00	\$643,200.00
TO Instrumentation and SCADA Programming					
14-02-UC					
E-S-171	Supply and Install Instruments as per section 13500 for Bani Naim service connection and Flow Monitoring Chamber	Not Started	\$102,000.00	\$0.00	\$102,000.00
E-S-172	SCADA Head-End Integration and Programming	Not Started	\$4,800.00	\$0.00	\$4,800.00
Subtotal			\$106,800.00	\$0.00	\$106,800.00
Subtotal			\$750,000.00	\$0.00	\$750,000.00
TO Reinstatement and Road Work					
14-02-UC					
E1000	Asphalt reinstatement over trench with 500 mm pipes St.1+000 to 1+019 and 5+565 to 5+597 and over trench 6" at Sta. 950	Not Started	\$8,150.00	\$0.00	\$8,150.00
E1010	Asphalt reinstatement in narrow roads up to 3.0 m width, 3+416 to 3+436,	Not Started	\$3,600.00	\$0.00	\$3,600.00
E1020	Basecourse reinstatement over	Not Started	\$5,820.00	\$0.00	\$5,820.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E1030	Asphalt reinstatement over trench with 500 and 150 mm, St. 1+019 to 1+920	Not Started	\$72,080.00	\$0.00	\$72,080.00
E1040	Asphalt reinstatement in narrow roads up to 3.0 m width, St.1+920 to 3+416, 3+436 to 5+080	Not Started	\$305,208.00	\$0.00	\$305,208.00
E1050	Asphalt reinstatement over trench with 80 mm pipes	Not Started	\$7,280.00	\$0.00	\$7,280.00
E1060	Asphalt reinstatement over trench with 350 mm pipes	Not Started	\$1,400.00	\$0.00	\$1,400.00
Subtotal			\$403,538.00	\$0.00	\$403,538.00
TO Miscellaneous					
14-02-UC					
E1070	Concrete Encasement	Not Started	\$15,750.00	\$0.00	\$15,750.00
E1080	Reinforced Concrete Encasement	Not Started	\$3,000.00	\$0.00	\$3,000.00
E1090	Pipe Marking	Not Started	\$1,200.00	\$0.00	\$1,200.00
Subtotal			\$19,950.00	\$0.00	\$19,950.00
TO Testing, Training and Commissioning					
14-02-UC					
E-S-140	Cleaning, washing, hydraulic test and disinfection for Ras Al Taweel & Al 'Uddeisa Transmission Pipeline	Not Started	\$18,772.00	\$0.00	\$18,772.00
E-S-145	Site inspection/ Support/ Start up (Precommissioning)	Not Started	\$4,000.00	\$0.00	\$4,000.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-S-150	Training	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-S-160	O&M Technical Manuals	Not Started	\$4,000.00	\$0.00	\$4,000.00
E-S-173	Testing and Commissioning of Electrical and Control System and Equipment	Not Started	\$3,400.00	\$0.00	\$3,400.00
E-S-174	Testing and Commissioning of the entire system	Not Started	\$4,000.00	\$0.00	\$4,000.00
Subtotal			\$38,172.00	\$0.00	\$38,172.00
Subtotal			\$3,548,811.00	\$0.00	\$3,548,811.00
TO Al Safi Booster Station – Phase I Pipeline Connection					
14-02-UC					
COR-1120	Coordination with Engineer for the temporary outage of existing pipeline	Not Started	\$0.00	\$0.00	\$0.00
TO Civil and Mechanical Work					
14-02-UC					
E-S-09	Fabrication of New 900 X 400 steel Tee	Not Started	\$0.00	\$0.00	\$0.00
E-S-10	Disconnect the 900 DIP Main Pipeline and installation of New 900 X 400 steel Tee with Ductile Flanged Socket Adaptors	Not Started	\$90,000.00	\$0.00	\$90,000.00
E-S-20	Installation of 400 mm Flanged dismantling Joint and 400mm Flanged Butterfly Valve including 400 mm steel pipe	Not Started	\$85,000.00	\$0.00	\$85,000.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-S-30	Construction of Conceret Pad as per detail S-190 - S-DT06 and Reconstruct Concrete wall and fence and Asphalt Reinstatem	Not Started	\$5,600.00	\$0.00	\$5,600.00
E-S-40	Installation of Flow Meter and PRV Equipment Pad as per sheet M-0001	Not Started	\$140,000.00	\$0.00	\$140,000.00
E-S-50	Installation of yard pipeline including Two BFV chambers , C-504/C-DT61	Not Started	\$66,885.00	\$0.00	\$66,885.00
E-S-60	Installation of Tank Connection as per Detail CD-0001	Not Started	\$90,000.00	\$0.00	\$90,000.00
E-S-65	Pipe Marking	Not Started	\$100.00	\$0.00	\$100.00
Subtotal			\$477,585.00	\$0.00	\$477,585.00
TO SCADA Programming					
14-02-UC					
E-S-70	Instrumentation and Power Wiring for Flow and Pressure Transmitters	Not Started	\$2,000.00	\$0.00	\$2,000.00
E-S-80	PLC/ RTU and SCADA Programming	Not Started	\$3,700.00	\$0.00	\$3,700.00
Subtotal			\$5,700.00	\$0.00	\$5,700.00
TO Testing, Training and Commissioning					
14-02-UC					
E-S-090	Cleaning, washing, hydraulic test and disinfection for the entire pipelines in AISafi	Not Started	\$700.00	\$0.00	\$700.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
E-S-100	Site inspection/ Support/ Start up (Precommissioning)	Not Started	\$2,000.00	\$0.00	\$2,000.00
E-S-110	Training	Not Started	\$2,000.00	\$0.00	\$2,000.00
E-S-120	O&M Technical Manuals	Not Started	\$2,000.00	\$0.00	\$2,000.00
E-S-90	Testing and Commissioning of Electrical and Control System and Equipment	Not Started	\$2,000.00	\$0.00	\$2,000.00
Subtotal			\$8,700.00	\$0.00	\$8,700.00
Subtotal			\$491,985.00	\$0.00	\$491,985.00
Subtotal			\$4,040,796.00	\$0.00	\$4,040,796.00
Subtotal			\$4,040,796.00	\$0.00	\$4,040,796.00
TO Post Construction Phase					
14-02-UDSI-					
TO Post Construction Submittals					
14-02-UE					
PCS1000	Warranties	Not Started	\$0.00	\$0.00	\$0.00
PCS1010	Site Hand over and Final Acceptence Certificate	Not Started	\$0.00	\$0.00	\$0.00
PCS1020	Final Report	Not Started	\$0.00	\$0.00	\$0.00
PCS1030	Final Operation and Maintenance O&M Manual	Not Started	\$0.00	\$0.00	\$0.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
PCS1040	As-Built Drawings	Not Started	\$0.00	\$0.00	\$0.00
PCS1050	Spare Parts	Not Started	\$0.00	\$0.00	\$0.00
PCS1060	Release of Liens and Waiver of Debts and Claims letter	Not Started	\$0.00	\$0.00	\$0.00
PCS1070	Preparation of Final Payment	Not Started	\$0.00	\$0.00	\$0.00
PCS1080	Training Completion Documents	Not Started	\$0.00	\$0.00	\$0.00
PCS1090	Clearance Certificate from Local Authorities	Not Started	\$0.00	\$0.00	\$0.00
PCS1100	Demobilization	Not Started	\$40,408.00	\$0.00	\$40,408.00
Subtotal			\$40,408.00	\$0.00	\$40,408.00
Subtotal			\$40,408.00	\$0.00	\$40,408.00
Subtotal			\$4,242,836.00	\$0.00	\$4,242,836.00
Subtotal			\$4,242,836.00	\$0.00	\$4,242,836.00
Subtotal			\$4,242,836.00	\$0.00	\$4,242,836.00
Subtotal			\$4,242,836.00	\$0.00	\$4,242,836.00

AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost	Remaining Total Cost
Subtotal			\$4,242,836.00	\$0.00	\$4,242,836.00
Total			\$4,242,836.00	\$0.00	\$4,242,836.00



USAID WEST BANK - GAZA - Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

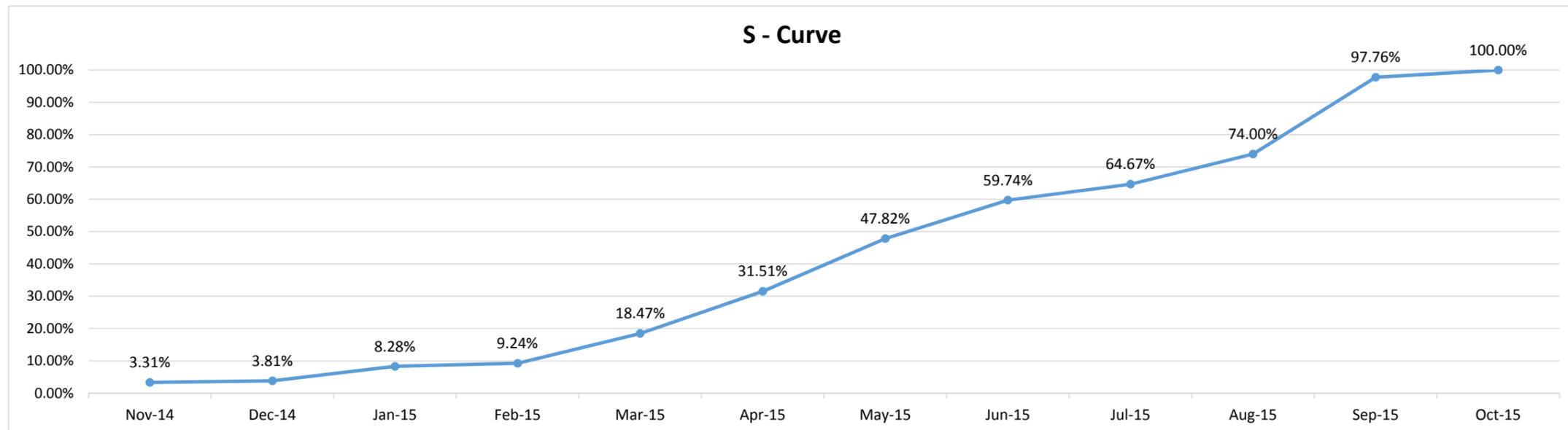
TASK ORDER NO. AID-294-TO-14-00002

Project 1, Ras Al Taweel & Al 'Uddeisa Water Infrastructure Phase 1A and Al Safi
Booster Station - Phase I Pipeline Connection



Progress S-Curve

Date	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
Planned Value	\$ 140,549.57	\$ 21,082.43	\$ 189,800.00	\$ 40,466.68	\$ 391,640.94	\$ 553,574.11	\$ 691,801.93	\$ 505,888.19	\$ 209,189.10	\$ 395,624.14	\$ 1,008,234.66	\$ 94,984.25
Planned Value (Accumulative)	\$ 140,549.57	\$ 161,632.00	\$ 351,432.00	\$ 391,898.68	\$ 783,539.62	\$ 1,337,113.73	\$ 2,028,915.66	\$ 2,534,803.85	\$ 2,743,992.95	\$ 3,139,617.09	\$ 4,147,851.75	\$ 4,242,836.00
Planned %	3.31%	0.50%	4.47%	0.95%	9.23%	13.05%	16.31%	11.92%	4.93%	9.32%	23.76%	2.24%
Planned % (Accumulative)	3.31%	3.81%	8.28%	9.24%	18.47%	31.51%	47.82%	59.74%	64.67%	74.00%	97.76%	100.00%



Task Order Total Amount	\$ 4,462,836.00
Daywork amount	\$ 220,000.00
BOQ items amount	\$ 4,242,836.00
Project Duration :	360.00
NTP Date:	4-Nov-14