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MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00016

Deir Sha'ar Main Pipeline Project (SHT)

APCO/ArCon

March , 2014

MONTHLY TASK ORDER PROGRESS REPORT

INFRASTRUCTURE NEEDS PROGRAM

Contract No. 294-I-00-12-00005
Task Order No. AID-294-TO-13-00016

From Mar.01, 2014 to Mar.31, 2014

DISCLAIMER

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USAID Contract No.: 294-I-00-12-00005
TO No.: 13-00016
Contractor: APCO/ArCon Construction and Services
T.O Key Personnel: Eng. Ishaq Al Horainat- T.O.M
Eng. Nidal Marziq- Q.C.M
Eng. Basel Abu Ghayyada- S.E.O
Eng. Fadi Najajrah- P.E

Monthly Progress Report number 05

TABLE OF CONTENTS

Task Order Overview…… 2-3
Safety …….. 4
Environmental Compliance…….. 4
Traffic Control Measures…….. 4
Community Outreach and Gender Consideration……. 4
Coordination …… 5-6
Site Visitors…… 6
Material or Equipment Delivered to Site…….. 6
Progress and Scheduling……..... 6
Activities during this Reporting Period…… 7
Planned Activities for Next Month…… 7
Indicator No. 01- Number of kilometers of transportation infrastructure constructed or repaired and water pipelines installed through USG assistance…….. 7
Working / Non-working Days…….. 7
Indicator No. 02- Generated Person-Days of Employment…... 8
Site Memos …….. 8
Procurement …….. 8
Inspection Requests…….. 8
Quality Control and Test Results…….. 8-9
Submittals …… 9
RFIs…… 9
Transmittals…… 9-11
Payments…… 11
Variation Order …… 11
Variation Order Requests…….. 11
Obstacles and Challenges…….. 12
Progress Photos…… 12
Annexes
A Materials- Equipment Receiving Log…… 13-15
B Detailed Time Schedule for the Project……. 16-41
One Month Look ahead …… 42-45
Completed and in progress activities…… 46-51
C Progress S-Curve versus Actual…… 52-53
D Site Memos Log……. 54-56
E Inspection Requests Log…… 57-60
F Submittals Log for the Reporting Period…….. 61-69
G RFI's Log for the Reporting Period…….. 70-71
H Geo-MIS Data Collection Sheet…… 72-75
Generated Person-Days of Employment
I Risk Register Log…….. 76-78

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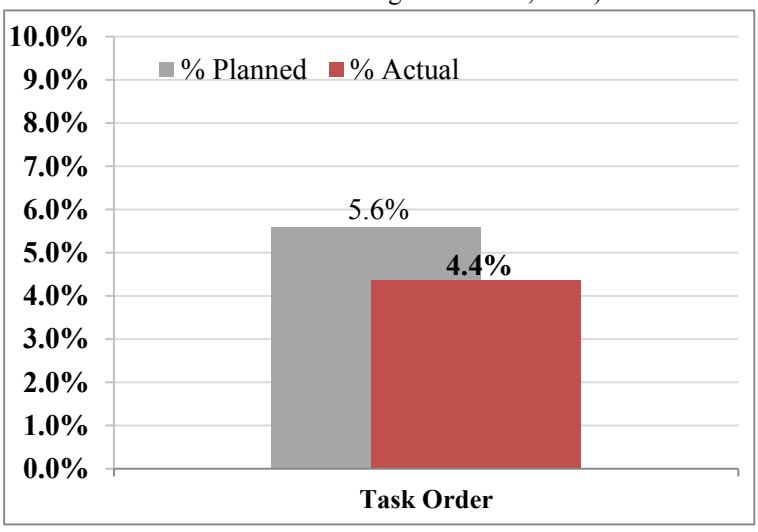
TASK ORDER OVERVIEW:

Task Order Project Name	Deir Sha'ar Main Pipeline Project (SHT)
Project Description	This project consists of: 1. Installation of a new 11.5 kilometer, 750mm (30 inch) diameter main transmission pipeline from the Deir Sha'ar booster station to the existing 25,000m3 reservoir in Halhul. The pipeline starts at the Deir Sha'ar booster station, passes alongside and supplies water from metered turn-outs to Beit Ummar, Karmi Tzur, Al-Arrub Camp, and Halhul, and ends at the existing reservoir in Halhul. 2. Installation of 13 kilometers of network connections ranging from 300mm to 75mm, except 250mm diameter for the cities of Beit Ummar and Halhul. 3. Upgrading approximately 10 kilometers of existing road along the pipeline alignment. This includes upgrading a 6.6 km stretch of a two-lane road, upgrading a 0.67 km section of a four-lane road, and milling and overlay of 2.8 kilometers of the existing roadway surface.
Statement of Work (SOW)	The road works consist of excavation works, backfilling excavated areas, embankment backfilling, pavement layer construction and/or milling and overlay of the existing roadway surface, construction of retaining structures, installation of storm water culverts and storm water drainage system, installation of safety features (signage, road marking, cat eyes, and guardrails) and other works as required by the contract documents. Water piping scope of works includes excavation, supply and installation of pipelines and associated accessories for the transmission main and chambers, related civil and mechanical works, trench backfill, pipe pressure testing, pipe disinfection and cleaning, and other works required by the contract documents to provide a fully operational water delivery system.
Project Location	Beit Ummar, Al-Arrub Camp, and Halhul in Hebron District (Areas A, B and C)
Contract No.	294-I-00-12-00005
Task Order No.	AID-294-TO-13-00016
Employer	USAID
Contractor	APCO/ArCon
Engineer / CMC	Black and Veatch
Subcontractor Name	Self-Performance (APCO notified USAID about this change on Feb 18, 2014)
Notice of Award (NOA)	Sep. 23, 2013
Notice To Proceed (NTP)	Nov. 06, 2013
Task Order Contract Value	$16,512,214
Projects Total Value	$15,612,214
Day Work	$ 900,000
Modified Projects Total Value	---
Modified Day Work	---
Start of Construction	February 01, 2014
Contractual period of Performance	550 Calendar Days
Contractual End Date	May 09, 2015
Modified period of Performance	---
Modified End Date	---
Estimated Completion Date	May 09, 2015
Planned Percentage of Completion	5.6%
Actual Percentage of Completion	4.37%



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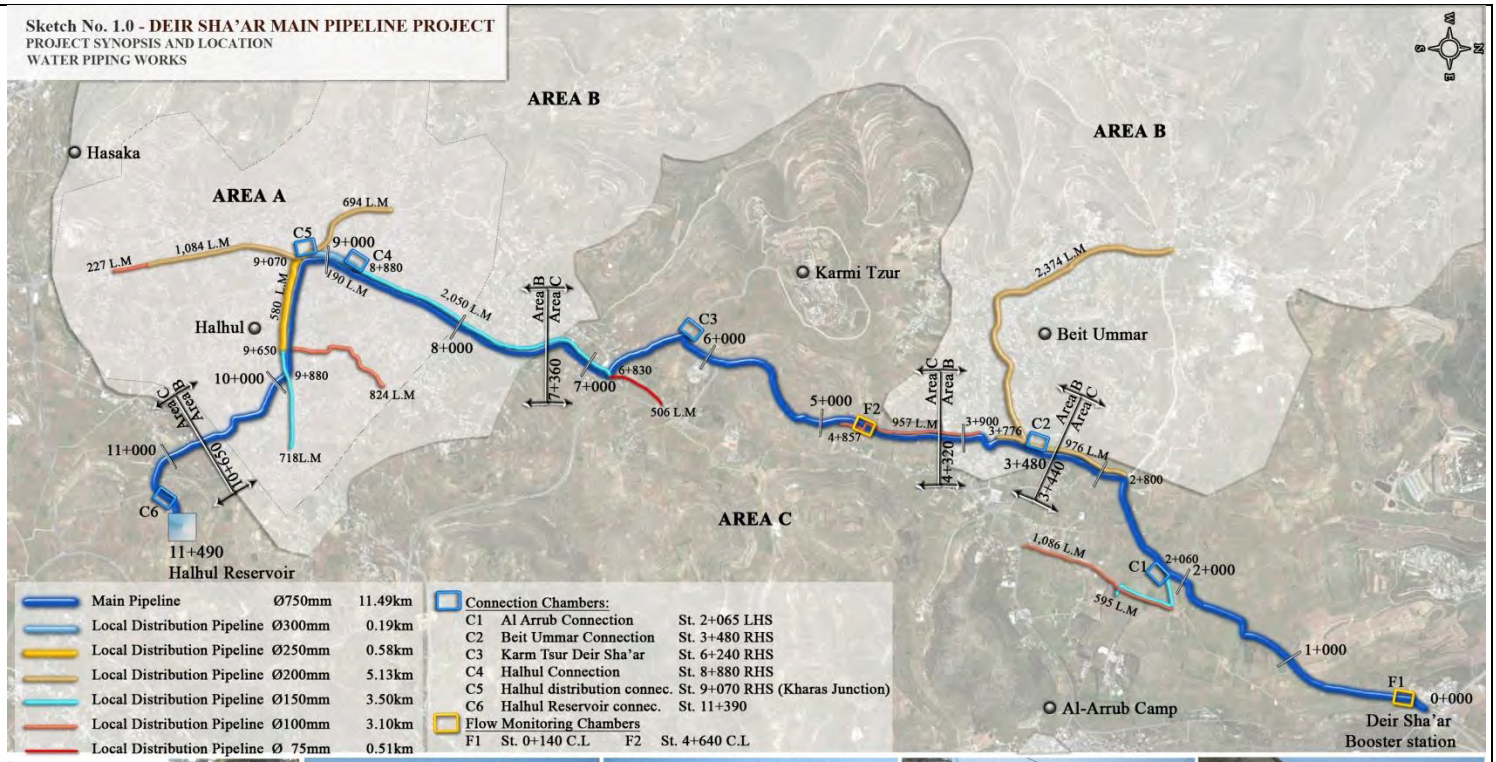
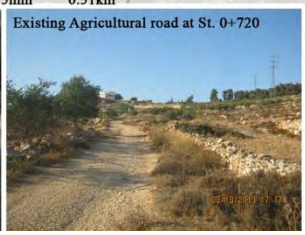


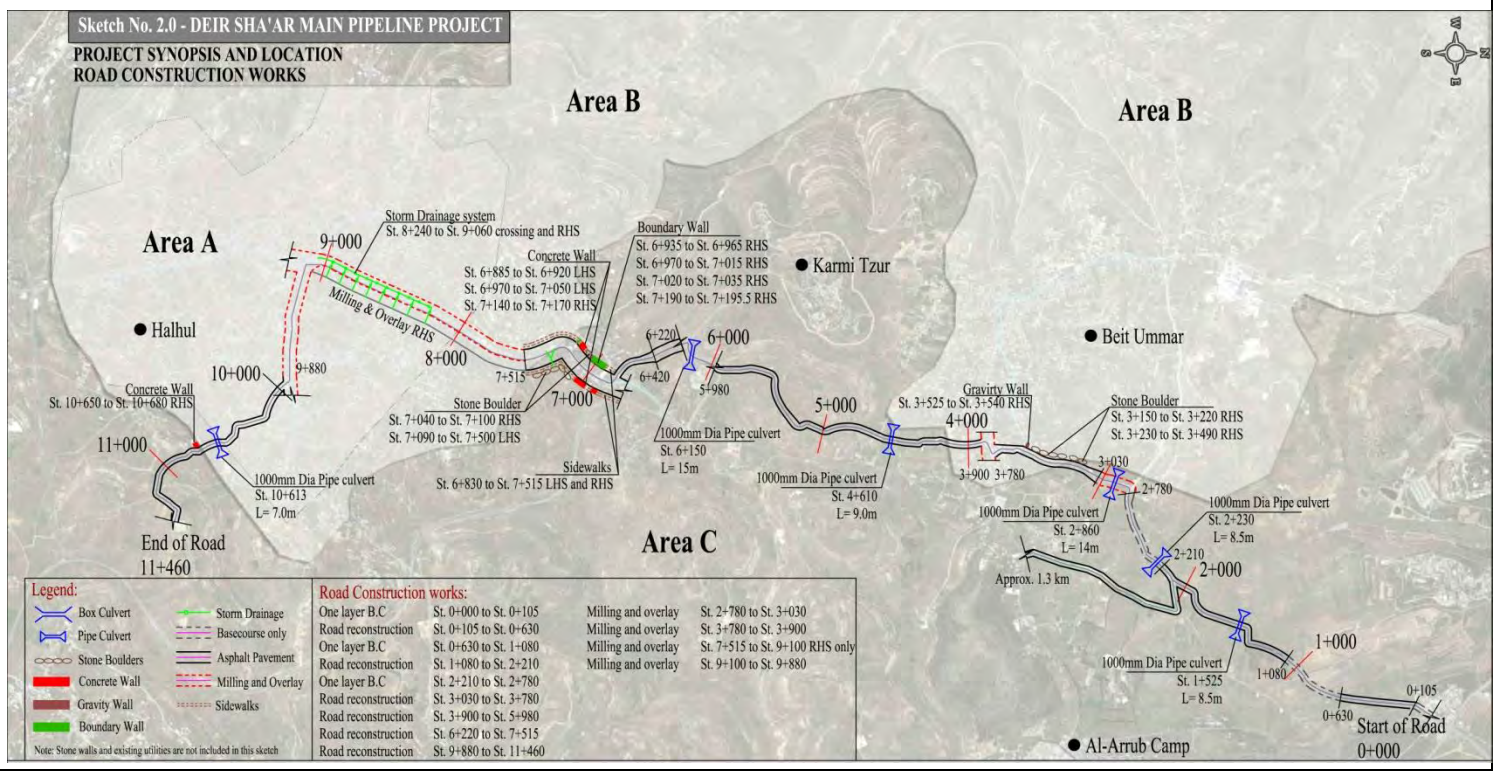
Deir Sha'ar Booster station
St. 0+000


Existing Agricultural road at St. 0+720

Existing Asphalt road St. 2+780-3+030

Inside Halhul at St. 9+880 - Commercial Activities on both sides

Existing Halhul Reservoir at St. 11+490



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SAFETY:

During this reporting period, zero accidents were reported, no Notices of Unsafe Condition (NUCs) were issued, and **1** safety toolbox talks was conducted for labors and staff as detailed in below safety toolbox log:

Date	Tool Box No.	Location	Description
March 10, 2014	STBM-00016-C-E-004	Halhul Site	Safety tool box meeting /safety measures during formwork and steel works and possible hazards.

ENVIRONMENTAL COMPLIANCE:

Environmental mitigation plan addressing the responsive actions to special conditions was submitted to CMC. Approval on this plan was received on Feb. 02, 2014. Environmental mitigation plan measures; public and labors safety measures were implemented, several walkthroughs were conducted to make sure pipeline alignment within R.O.W during this reporting period.

TRAFFIC CONTROL MEASURES:

For road segments that are located in Area A and B, copies were prepared, stamped and approved by the Traffic Higher Council at the Palestinian Ministry of Transport and local councils. Traffic plans for road segments located in Area C will be stamped and approved by Israeli and Palestinian related authorities. A conditional written approval from DCL was received on February 20, 2014 for traffic plan from St. 0+000 to St. 2+800, coordination with Maatz is requested and under progress.

COMMUNITY OUTREACH, PUBLIC INFORMATION AND GENDER CONSIDERATION:

Coordination meetings with local councils and utility owners were conducted during this reporting period. Our public relation officer conducted several meetings with the local residents, local councils as detailed as detailed below:

March 12, 2014	Safety toolbox talk and awareness for Al Tawayha school students at Halhul.
March 22, 2014	Coordinate an event for kids of special needs at Halhul community center.
March 23, 2014	Special activities were conducted for kids of special needs at Halhul community center.
March 26, 2014	Safety toolbox talk and awareness for Zahret Al Madaen School students.

Figures 01 and 02: Special activities were conducted for kids of special needs at Halhul community center.

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Figure 03: Safety toolbox talk and awareness for Zahret Al Madaen School students.

Figure 04: Safety toolbox talk and awareness for Al Tawayha school students at Halhul.

COORDINATION:

During this reporting period, the following coordinations and meetings occurred :

Date	Attendees	Subject	Description
March 06, 2014	USAID representatives Black and Veatch representatives APCO/ArCon representatives. Subcontractors' representatives	USAID monthly contracting officer's meeting	APCO briefly presented the status of all task orders progress, accomplished work, and discussed challenges and obstacles.
March 17, 2014	Hebron DCL- Int. Org. Liaison Officer: Lt. Shir Ashury APCO- Mahmoud Jaradat	Coordination Meeting	Coordination with Hebron DCL and walkthrough along 30" pipeline to coordinate works at Area C
March 19, 2014	USAID - Ms. Sonia Massis Black and Veatch Mr. Maher Awawdeh Dr..Daoud Qawasmeh Mr. Malik Najajreh Mr. Ghaleb Najajreh Ms. Israa' Odeh PWA Mr. Taher Safi APCO Mr. Najem Saymuah Ms. Amani Krunz Mr. Ishaq Huorinat Ms. Ruba Abu Hamdiya Mr. Mahmoud Jaradat Mr. Nermeen Al-Bakri	Bi-weekly Progress Meeting	Discuss the work progress, safety, quality, progress of work, reports, and other issues.
March 17, 2014	Hebron DCL- Int. Org. Liaison Officer: Lt. Shir Ashury APCO- Mahmoud Jaradat Ishaq Al Horainat	Coordination Meeting	Coordination with Hebron DCL and walkthrough along 30" pipeline to coordinate works at Area C Near Karmi Tzur
March 25, 2014	Halhul Municipality- Hussein Mureb PWA -Taher Safi APCO-Fadi Najajreh	Coordination Meeting	Coordination with Halhul Municipality to assign centerline from St. 10+500 to St. 11+300

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Date	Attendees	Subject	Description
March 29, 2014	Beit Ummar Municipality-Eng. Nabeel Alqam Eng. Abu Rasheed Sabarneh APCO – PR: Narmeen Al-Bakri, Ishaq Al Horainat Land Owners - Haj Naim Sabarneh Dr. Yousef Naim Sabarneh Abu Azmi Al Ajlouny	Coordination Meeting And joint site visit	Joint site visit to Kherbet Al Qett to explain the project to landowners and resolve the issue of road carriage way and R.O.W.

SITE VISITORS

During this reporting period, the following visits have occurred:

Date	Organization	Location	Description
Task Order 16			
March 05, 2014	USAID - Sonia Massis	Halhul Site	Follow-up retaining wall works progress, quality and safety.
March 08, 2014	ARC-Eyes – Mr Shiam Down	Hahlul Storage Yard	Welders Qualification test
March 17, 2014	Hebron DCL	Project segments that are located in Area C	Coordination with Hebron DCL and walkthrough along 30" pipeline to coordinate works at Area C
March 23, 2014	Beit Omar Municipality - Nabeel Alqam, Nabeel Ekhleel PWA - Taher Safi	Beit Ummar site	Joint walkthrough from St.4+300 to St.4+700
March 23, 2014	Hebron DCL	Karmi Tzur	Coordination with Hebron DCL and walkthrough along 30" pipeline to coordinate works at Area C near Karmi Tzur
March 25, 2014	Halhul Municipality- Hussein Mureb PWA -Taher Safi	Halhul site	Coordination with Halhul Municipality to determine centerline alignment from St. 10+500 to St. 11+300

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

Please refer to **Annex A-** Equipment and Material receiving log.

PROGRESS and SCHEDULING:

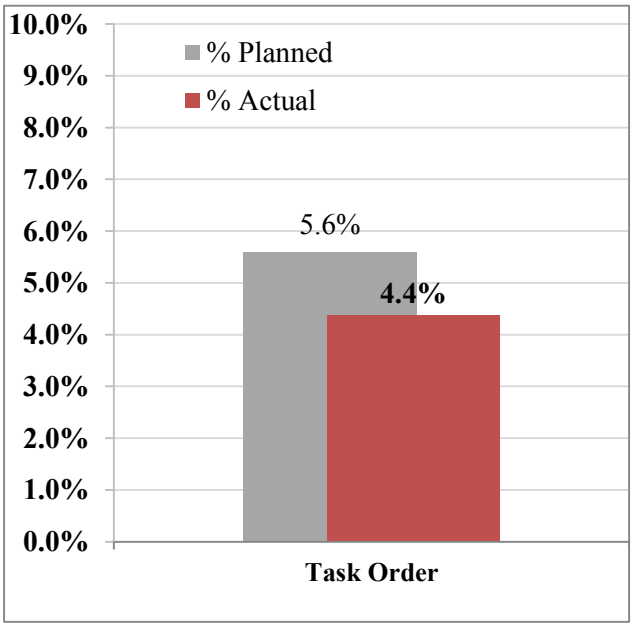
% of Completion:

- Survey works 77%
- Shop drawing preparation 38%
- Excavation 6.9%
- Concrete works 16.5%

Overall percentages of completion are :

Completion%	T.O
Planned %	5.6%
Actual %	4.37%

Refer to **Appendix C** Progress s-curve planned versus Actual.



Project is behind schedule due to delay in starting Beit Ummar network; according to baseline schedule, this activity should have started on March 12, 2014.Absence of CWI is the main reason for delay.

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ACTIVITIES DURING THIS REPORTING PERIOD:

- Continue preparation and submitting pre-construction submittals
- Continue survey works.
- Continue preparation and submitting of material submittals.
- Maintain implementation of traffic control plan.
- Finish construction of concrete retaining wall from St. 7+170 to 7+095 LHS = length (75 LM)
- Continue structural excavation for retaining walls 6+840 to 7+515 LHS (50% complete).
- Start road excavation to reach required sub grade levels from Sta.0+100 to Sta.1+500 for main pipeline (90% complete).
- Start rock breaking (Digging) for 30'' pipeline from st.0+100 to st.0+600 (80% complete).

PLANNED ACTIVITIES FOR NEXT MONTH:

- Continue preparation and submitting pre-construction submittals
- Continue survey works.
- Continue preparation and submitting of material submittals.
- Continue implementation of traffic control plan.
- Finish structural excavation for retaining walls 6+840 to 7+515 LHS.
- Start road excavation and backfilling to required sub grade levels from Sta.1+500 to Sta.2+500.
- Finish rock breaking (Digging) for 30'' pipeline from st.0+000 to st.0+600.
- Start rock breaking (Digging) for 30'' pipeline from st.0+600 to st.2+000.
- Start construction of retaining walls from sta. 7+170 to 7+500 LHS.
- Start trench excavation, bedding and installation for 200 mm distribution pipeline for Beit Ummar water network from Sta. 0+000 to Sta. 2+374.

Refer to **Appendix B** for detailed time schedule for each project, completed and in-progress activities.

INDICATOR NO. 01- Number of pipelines installed, road constructed or repaired through USG assistance:	
Project 01-	
Total Road reconstruction (100% Completed)	0.00 Km
Target value	10.00 Km
Number of kilometers constructed or repaired through end of this reporting period	**0.00** Km
Project 02-	
Total Pipelines installed (100% Completed)	0.00 Km
Target value	24.5 Km
Number of kilometers of pipelines installed through end of this reporting period=	**0.00** Km

WORKING / NON-WORKING DAYS

1	Total Period of Performance (Original)	550
2	Total Excusable delays/approved extensions	0
3	Modified Period of Performance	---
4	Modified Completion Date	---
5	No. of Working Days during this reporting Period	25
6	Accumulated Working Days	116
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	4
8	Accumulated non-working days (Holidays and weekends)	21
9	No. of other non-working days during this month**	2
10	Accumulated other non-working days	9

** Work stopped due to rainy weather.

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INDICATOR NO. 2: GENERATED PERSON-DAYS OF EMPLOYMENT:
All reported materials are up to date and meet the five quality data standards (Clause H.9).

This indicator count only local Palestinian staff whose time is charged to the USAID activity (the Contractor at the "prime" and "first tier" subcontractor level only). 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) are included. All reported person-days are calculated based on the approved Daily Joint Reports.

Task Order

- Target value= **22,000**
- Employment generated previously =738 Man-Days (Audited up to Feb. 2013)
- Employment generated this month =586 Man-Days (Audited up to Feb. 2013)
- Total cumulative employment generated to-date (Male and Female) =**1,324** Man-Days (rounded to nearest man-day)
- Total cumulative female employment to-date=841 Hours = **105** Man-Days (rounded to nearest man-day)

Total Job Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Job Days / 23.8)
Generated previously = 738 Man-days	Generated previously = 31
During this reporting period = 586 Man-days	During this reporting period = 25
Total generated to-date = **1,324** Man-days	Total generated to-date = **56** (numbers are rounded to nearest FTE)

SITE MEMO:

See Appendix D Site Memos log up to this reporting period.

PROCUREMENT:

Procurement and delivery of piping material for this task order is under way, 1,700 meters of 8 inch pipe were delivered to site on February 23rd. Shipments of other pipe diameters 10, 6, 4 and 3 inch are scheduled for delivery during first, second and third week of April, quantities have been ordered to suit construction schedule and minimize pipes storage in designated yards.
Of special note is the 30 inch pipe, 6,000 meters will be available for delivery by first week of May, the first batch of pipe will be 1,500 meters scheduled to be received onsite on May 5th.

INSPECTION REQUEST:

Up to this reporting period **44** inspection requests were issued as follow:

SHT	No. of IRs	No. Reviewed	No. Pending	% No Exception Noted	% Make Corrections Noted	% Amend-Resubmit	% Rejected-Resubmit
Total	44	44	0	31	0	11	2
%		100%	0.0%	70.5%	0%	25.0%	4.5%

Please refer to **Appendix E-** Inspection Requests log.

Non Compliance Report Log - NCR -

No NCR's were issued during this reporting period.

QUALITY CONTROL AND TEST RESULTS:

Up to this reporting period **7** test reports were submitted as follow:

SHT	No. of Tests	No. Reviewed	No. Pending	% No Exception Noted	% Make Corrections Noted	% Amend-Resubmit	% Rejected-Resubmit	% Review No Required
No.	7	7	0	4	3	0	0	0
%		100%	0.0%	57.1%	42.9%	0.0%	0.0%	0.0%

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Tests Log summary table up to this reporting period

Material Description	Test description	Number of tests	Pass	Fail	Notes (Action taken for failed tests)
Concrete	Concrete Compressive Strength Report	5	5	0	
Steel	Reinforcement Steel Bars for Ø25	1	1	0	
	Reinforcement Deformed Steel Bars , Ø12, Ø14, Ø16 and Ø20	1	1	0	

SUBMITTALS:

- **See Appendix F** Submittals log for this reporting period including test submittals.

Up to this reporting period **192** submittals were submitted as follow:

SHT	No. of Submittals	No. Reviewed	No. Pending	% No Exception Noted	% Make Corrections Noted	% Amend-Resubmit	% Rejected-Resubmit	% Review No Required
No.	192	184	8	11	94	63	1	15
%		95.8%	4.2%	5.7%	49.0%	32.8%	0.5%	7.8%
Total of Retracted submittals = 15								

RFI:

- **See Appendix G** RFI's log for this reporting period.

TRANSMITTALS:

Outgoing / Incoming USAID Transmittals (USAID/ APCO/ArCon)

Date	Contractor Trans. No.	Sender/Recipient	Subject
March 01 ,2014	By Email	USAID/ APCO/ArCon	Re: Monthly Contracting Officer's Meeting
March 03 ,2014	By Email	USAID/ APCO/ArCon	Re: SAK Status
March 05 ,2014	By Email	APCO/ArCon/ USAID	TO#16 Self-Performance
March 05 ,2014	By Email	USAID / APCO/ArCon	Concord Express
March 05 ,2014	By Email	APCO/ArCon/ USAID	T.O 16- Monthly Report- February 2014- Draft
March 09 ,2014	By Email	APCO/ArCon/ USAID	Source and Origin
March 09,2014	By Email	APCO/ArCon/ USAID	RE: TO#16 Self-Performance
March 10 ,2014	By Email	USAID/ APCO/ArCon	Re: Source and Origin
March 10 ,2014	By Email	APCO/ArCon/ USAID	Vetting Request for Tarifi Contracting and Reconstruction Company T.O 13-00016
March 10 ,2014	By Email	APCO/ArCon/ USAID	Vetting request for Al Fakher Company for Construction T.O 13-00016
March 13 ,2014	By Email	USAID / APCO/ArCon	Accruals
March 13 ,2014	By Email	APCO/ArCon/ USAID	RE: Source and Origin
March 13 ,2014	By Email	USAID / APCO/ArCon	Re: TO#16 Self-Performance
March 17 ,2014	By Email	USAID / APCO/ArCon	FW: Accruals
March 18 ,2014	By Email	APCO/ArCon/ USAID	Re: TO#16 Self-Performance
March 24 ,2014	By Email	USAID / APCO/ArCon	COR Comments_ T.O 16- Monthly Report- February 2014- Draft

Date	Contractor Trans. No.	Sender/Recipient	Subject
March 24 ,2014	By Email	USAID / APCO/ArCon	Re: Vetting request for Al Fakher Company for Construction T.O 13-00016
March 24 ,2014	By Email	USAID / APCO/ArCon	Re: Vetting Request for Tarifi Contracting and Reconstruction Company T.O 13-00016
March 25 ,2014	By Email	APCO/ArCon/ USAID	T.O 16- Proposed Flyer Approval
March 25 ,2014	By Email	APCO/ArCon/ USAID	CWI candidate for TO#16
March 26 ,2014	By Email	APCO/ArCon/ USAID	RE: COR Comments_ T.O 16- Monthly Report- February 2014- Modified
March 27 ,2014	By Email	USAID / APCO/ArCon	Monthly Contracting Officer's Meeting
March 27 ,2014	By Email	USAID / APCO/ArCon	COR Approval_ T.O 16- Monthly Report- February 2014- Modified
March 27 ,2014	By Email	APCO/ArCon/ USAID	CWI-Water Task Order Coordinator
March 27 ,2014	By Email	USAID / APCO/ArCon	Re: CWI candidate for TO#16_COR Approval
March 27 ,2014	By Email	APCO/ArCon/ USAID	Country Clearance Form
March 29 ,2014	By Email	USAID / APCO/ArCon	Re: Country Clearance Form
March 29 ,2014	By Email	APCO/ArCon/ USAID	Country Clearance Forms

Outgoing / Incoming Consultant Correspondences (B&V/ APCO/ArCon)

Date	Contractor Trans. No.	Sender/Recipient	Subject
March 02 ,2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016SHT: 8" pipeline
March 03 ,2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: 8" pipeline
March 03 ,2014	By Email	B&V/APCO/ArCon	RE: coordination with Halhul Municipality
March 03 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: PM 006 Agenda
March 03 ,2014	By Email	APCO/ArCon/B&V	FW: Ultrasonic flow Detector
March 04 ,2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: PM 006 Agenda
March 04 ,2014	By Email	APCO/ArCon/B&V	RE: TO16: completion (planned vs. actual) , Updated construction schedule and two week look ahead
March 04 ,2014	By Email	B&V/APCO/ArCon	RE: TO16: completion (planned vs. actual) , Updated construction schedule and two week look ahead
March 05 ,2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016 SHT: Relocate existing infrastructure utilities
March 05 ,2014	By Email	APCO/ArCon/B&V	percentages of completion (planned vs. actual) up to Feb 28,2013
March 05 ,2014	By Email	APCO/ArCon/B&V	FW: update for welders test and training
March 09 ,2014	By Email	APCO/ArCon/B&V	February 2014- Geo-MIS data logs (Excel Format)
March 09 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Women Day
March 09 ,2014	By Email	APCO/ArCon/B&V	Traffic Control Plan Table
March 10 ,2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: PM 006 Agenda
March 11 ,2014	By Email	B&V/APCO/ArCon	All Task Orders: Pipes Status Update
March 11 ,2014	By Email	B&V/APCO/ArCon	APCO Task Orders: Position Indicators for Valve Actuators

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Date	Contractor Trans. No.	Sender/Recipient	Subject
March 13 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Slow Rate of Progress Notices
March 17 ,2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: PM 006 Agenda
March 19 ,2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016SHT: Slow Rate of Progress Notices
March 20 ,2014	By Email	APCO/ArCon/B&V	Pipe Status Update
March 23 ,2014	By Email	APCO/ArCon/B&V	Works stopped
March 23 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Works stopped
March 24 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Draft MOM #006
March 25 ,2014	By Email	APCO/ArCon/B&V	Digging and rock breaking
March 26 ,2014	By Email	APCO/ArCon/B&V	RE: T.O 16: Modified Geo-MIS & Gender Disaggregation
March 26 ,2014	By Email	B&V/APCO/ArCon	RE: Pipe Status Update
March 26 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Quantities forecast
March 26 ,2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016SHT: Draft MOM #006
March 26 ,2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: Submittals Closeout
March 26 ,2014	By Email	B&V/APCO/ArCon	TO13-00016SHT: MOM PM #006
March 27 ,2014	By Email	APCO/ArCon/B&V	Progress Payment Documentation

PAYMENTS:

Voucher Number	Submitted Date	Amount	Retention Amount	Amount Received	Date Received
01	January 21, 2014	$ 565,013.45	$0.00	$ 565,013.45	January 31, 2014

APCO/ArCon total accrued expenditures $117,915.55

VARIATION ORDERS

VO No.	DESCRIPTION	VO Status (AP/PE/RE/RJ)			Date Sent to B&V	USAD Approval Date	Variation order Amount	Time Ex.
		APCO	B&V	USAID				
No Variation Orders were issued during this reporting period.								

AP: Approved PE: Pending RE: Revise RJ: Rejected

VARIATION ORDER REQUESTS:

VOR No.	DESCRIPTION	Date Sent to B&V	Variation order Amount	Time Ex.
01	Use of steel protection rail instead of New jersey barriers.	3/23/2014	$0.00	00

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OBSTACLES AND CHALLENGES

Obstacle	Action
Changing ROW by Halhul Municipality from sta. 7+093 to sta. 7+196.5.	Several coordination meetings and site visits were conducted with Halhul municipality to finalize this issue, final Right of way from Sta.7+093 to Sta.7+196.5 was received from CMC via site memo No. SUB-13-00016-SHT-E-C-002 on March 02, 2014. Issue is resolved.
Work delay due to absence of Task order Certified Welding Inspector.	APCO/ArCon submitted a replacement resume for USAID COR approval on March 25, approval was received on March 27th and APCO is working on the country clearance and entry visa process.
Landowners' objection on R.O.W between Beit Ummar and Halhul at Kherbet Al Qett area.	Intensive coordination meetings were conducted with municipalities and landowners to resolve this issue. 100 L.M of road segment is still not resolved.

PROGRESS PHOTOS:

Fittings Fabrication

30" pipe digging (rock breaking)

Excavation works for Retaining wall from St. 7+200 to St. 7+220

Retaining wall works from St. 7+093 to St. 7+170.

A | Materials- Equipments Receiving Log

Project: Deir Sha'ar Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Equipment receiving log/March 2014

Date	Grader		Bob Cat		Road Marking Machine		Pneumatic Asphalt Roller		Compactor		JCB		Excavator		Bulldozer		Guardrail Machine		Steel Roller		Truck w/ Crane		WATER TANK 10M3		Car		Pick Up(4*4)		Asphalt Steel Roller		Asphalt Finisher		Asphalt Cutting Machine	
	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle
1-Mar		1								1		1											1											
2-Mar		1								1		1											1											
3-Mar		1								1		1			1								1											
4-Mar		1								1		1			1																			
5-Mar		1								1		1			1																			
6-Mar		1								1		1			1																			
7-Mar		1								1		1				1																		
8-Mar		1								1		1			1																			
9-Mar		1								1		1				1																		
10-Mar		1								1		1				1																		
11-Mar		1								1		1				1																		
12-Mar		1								1		1				1																		
13-Mar		1								1		1				1																		
14-Mar		1								1		1				1																		
15-Mar		1								1		1				1																		
16-Mar		1								1		1				1																		
17-Mar		1								1		1				1																		
18-Mar		1								1		1				1																		
19-Mar		1									2					1					3												
20-Mar		1									2					1					3												
21-Mar		1										1				1						1												
22-Mar		1									1		1			1					3												
23-Mar		1									1		1			1					3												
24-Mar		1									1		1			1					3												
25-Mar		1									2		1			1					3												
26-Mar		1									1		2								3												
27-Mar		1									1		2			1					3												
28-Mar		1										1		1		1						1												
29-Mar		1									1		1			1					1												
30-Mar		1									2		2			1					5												
31-Mar		1									2		2			1					3												

Project: Deir Sha'ar Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Materials Receiving Log/ March, 2014

Date	Material Delivered to Site	Quantity
1-Mar		
2-Mar		
3-Mar		
4-Mar		
5-Mar		
6-Mar		
7-Mar		
8-Mar		
9-Mar	Concrete B-250	39 m3
10-Mar		
11-Mar	Concrete B-250	23 m3
12-Mar		
13-Mar		
14-Mar		
15-Mar		
16-Mar		
17-Mar		
18-Mar		
19-Mar		
20-Mar		
21-Mar		
22-Mar		
23-Mar		
24-Mar	Concrete B-250	22 m3
25-Mar	Concrete B-251	32 m3
26-Mar		
27-Mar		
28-Mar		
29-Mar		
30-Mar		
31-Mar		

B | Detailed Time Schedule for the Project

APCO ArCon CONSTRUCTION AND SERVICES

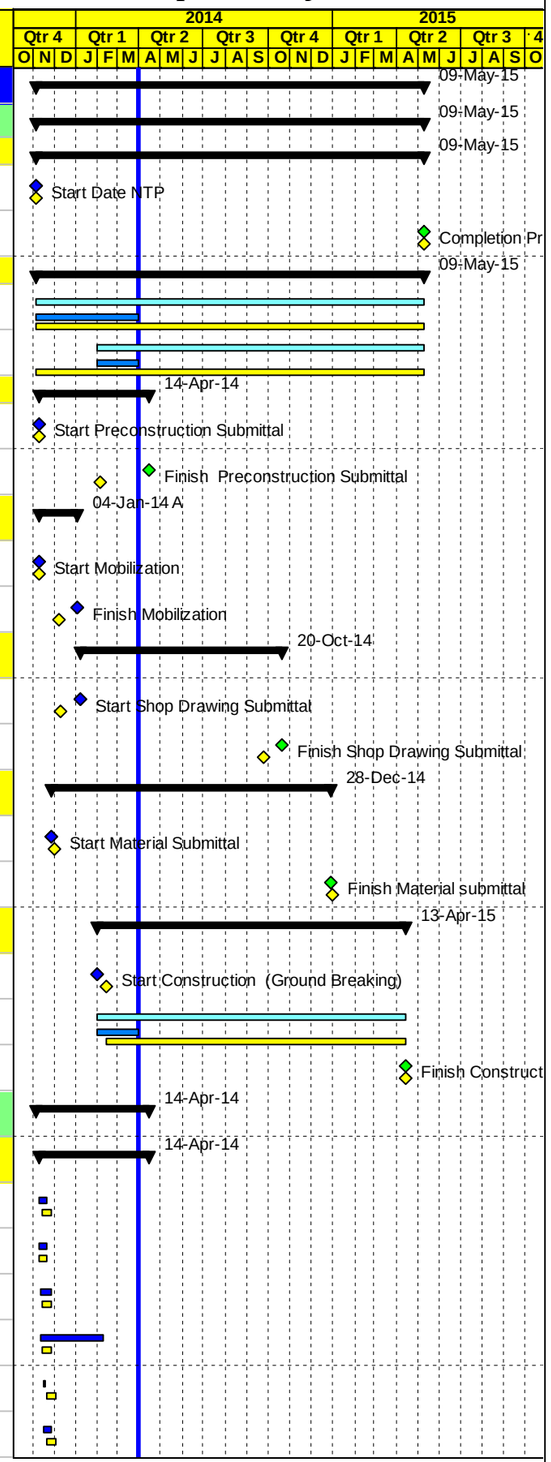
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
Deir Sha'aar Main Pipeline Project		550d		404d	06-Nov-13	09-May-15	06-Nov-13 A	09-May-15	0d	$682,929	$15,612,214
Milestones		550d		404d	06-Nov-13	09-May-15	06-Nov-13 A	09-May-15	0d	$0	$0
General Milestones		425d		0d	06-Nov-13	09-May-15	06-Nov-13 A	09-May-15	0d	$0	$0
SHT0010	Start Date NTP	0d	100%	0d	06-Nov-13		06-Nov-13 A			$0	$0
SHT0020	Completion Project	0d	0%	0d		09-May-15		09-May-15	0d	$0	$0
Task order Duration		550d		404d	06-Nov-13	09-May-15	06-Nov-13 A	09-May-15	0d	$0	$0
SHT0030	Project Duration (Calendar Days)	550d	26.55%	404d	06-Nov-13	09-May-15	06-Nov-13 A	09-May-15	0d	$0	$0
SHT0040	Project Duration (Working Days)	425d	26.14%	314d	06-Nov-13	09-May-15	01-Feb-14 A	09-May-15	0d	$0	$0
Pre Construction Milestones		111d		0d	10-Nov-13	05-Feb-14	10-Nov-13 A	14-Apr-14	31d	$0	$0
SHT0050	Start Preconstruction Submittal	0d	100%	0d	10-Nov-13		10-Nov-13 A			$0	$0
SHT0060	Finish Preconstruction Submittal	0d	0%	0d		05-Feb-14		14-Apr-14	31d	$0	$0
Mobilization Milestones		23d		0d	10-Nov-13	08-Dec-13	10-Nov-13 A	04-Jan-14 A		$0	$0
SHT0065	Start Mobilization	0d	100%	0d	10-Nov-13		10-Nov-13 A			$0	$0
SHT0070	Finish Mobilization	0d	100%	0d		08-Dec-13		04-Jan-14 A		$0	$0
Shop Drawing Milestones		239d		0d	10-Dec-13	24-Sep-14	07-Jan-14 A	20-Oct-14	159d	$0	$0
SHT0075	Start Shop Drawing Submittal	0d	100%	0d	10-Dec-13		07-Jan-14 A			$0	$0
SHT0080	Finish Shop Drawing Submittal	0d	0%	0d		24-Sep-14		20-Oct-14	159d	$0	$0
Material Milestones		299d		0d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	106d	$0	$0
SHT0090	Start Material Submittal	0d	100%	0d	01-Dec-13		28-Nov-13 A			$0	$0
SHT0095	Finish Material submittal	0d	0%	0d		30-Dec-14		28-Dec-14	106d	$0	$0
Construction Milestones		332d		292d	12-Feb-14	14-Apr-15	01-Feb-14 A	13-Apr-15	1d	$0	$0
SHT1100	Start Construction (Ground Breaking)	0d	100%	0d	12-Feb-14		01-Feb-14 A			$0	$0
SHT1105	Construction Duration (Working Days)	332d	12.09%	292d	12-Feb-14	14-Apr-15	01-Feb-14 A	13-Apr-15	1d	$0	$0
SHT1110	Finish Construction Phase	0d	0%	0d		14-Apr-15		13-Apr-15	1d	$0	$0
Pre Construction Phase		160d		14d	06-Nov-13	05-Feb-14	06-Nov-13 A	14-Apr-14	43d	$594,751	$594,751
Pre Construction Submittals		111d		10d	10-Nov-13	05-Feb-14	10-Nov-13 A	14-Apr-14	31d	$0	$0
SHT0120	Scheduling Qualification Submittals	10d	100%	0d	14-Nov-13	27-Nov-13	10-Nov-13 A	20-Nov-13 A		$0	$0
SHT0114	Bank Guarantee Certificates	10d	100%	0d	10-Nov-13	21-Nov-13	10-Nov-13 A	20-Nov-13 A		$0	$0
SHT0116	Field Offices Location & Layout	10d	100%	0d	14-Nov-13	27-Nov-13	13-Nov-13 A	27-Nov-13 A		$0	$0
SHT0118	Field Offices Furniture & Equipment Plan	10d	100%	0d	14-Nov-13	27-Nov-13	13-Nov-13 A	09-Feb-14 A		$0	$0
SHT0136	Temporary and Permanent Project Sign Plan	10d	100%	0d	21-Nov-13	04-Dec-13	17-Nov-13 A	19-Nov-13 A		$0	$0
SHT0138	60-Day Plan of Operation	10d	100%	0d	21-Nov-13	04-Dec-13	17-Nov-13 A	27-Nov-13 A		$0	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
Milestone Early Bar | Milestone Actual | Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

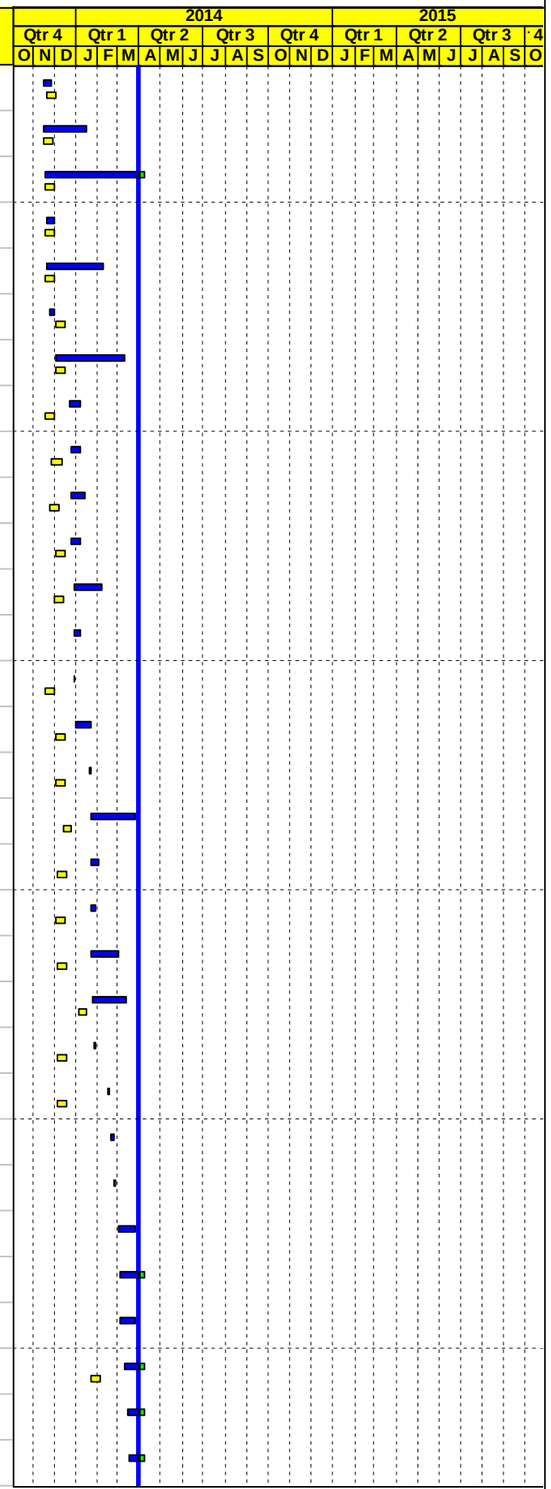
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT0140	Project Overview Bar Chart	10d	100%	0d	21-Nov-13	04-Dec-13	17-Nov-13 A	27-Nov-13 A		$0	$0
SHT0122	Submittals Schedule	10d	100%	0d	17-Nov-13	28-Nov-13	17-Nov-13 A	16-Jan-14 A		$0	$0
SHT0130	Subcontractors' profile	10d	50%	5d	19-Nov-13	02-Dec-13	19-Nov-13 A	07-Apr-14	36d	$0	$0
SHT0124	Testing Lab	10d	100%	0d	18-Nov-13	01-Dec-13	20-Nov-13 A	01-Dec-13 A		$0	$0
SHT0134	Existing Survey Plan	10d	100%	0d	19-Nov-13	02-Dec-13	21-Nov-13 A	09-Feb-14 A		$0	$0
SHT0146	Coordination with local Authorities Plan including list of permits & and licenses	10d	100%	0d	03-Dec-13	16-Dec-13	26-Nov-13 A	01-Dec-13 A		$0	$0
SHT0150	CPM-Construction Schedule and S-Curve	10d	100%	0d	03-Dec-13	16-Dec-13	03-Dec-13 A	11-Mar-14 A		$0	$0
SHT0128	Insurances	10d	100%	0d	18-Nov-13	01-Dec-13	23-Dec-13 A	07-Jan-14 A		$0	$0
SHT0143	QCP-Quality Control Program (QC/QA PLAN)	10d	100%	0d	28-Nov-13	11-Dec-13	25-Dec-13 A	08-Jan-14 A		$0	$0
SHT0142	Safety Plan	10d	100%	0d	25-Nov-13	08-Dec-13	25-Dec-13 A	14-Jan-14 A		$0	$0
SHT0152	USAID Branding Plan	10d	100%	0d	03-Dec-13	16-Dec-13	25-Dec-13 A	07-Jan-14 A		$0	$0
SHT0144	Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys., paint curb., patching &R. mark	10d	100%	0d	02-Dec-13	15-Dec-13	29-Dec-13 A	06-Feb-14 A		$0	$0
SHT0160-new10	Traffic Control Plan from Sta.7+090 to Sta.7+500 LHS	5d	100%	0d			29-Dec-13 A	08-Jan-14 A		$0	$0
SHT0126	Key Personnel Plan	10d	100%	0d	18-Nov-13	01-Dec-13	30-Dec-13 A	31-Dec-13 A		$0	$0
SHT0155	Dilapidation Survey	10d	100%	0d	04-Dec-13	17-Dec-13	02-Jan-14 A	22-Jan-14 A		$0	$0
SHT0148	Material Staging ,Storage and dumping Areas Plan	10d	100%	0d	03-Dec-13	16-Dec-13	20-Jan-14 A	23-Jan-14 A		$0	$0
SHT0163	Welding procedure	10d	100%	0d	15-Dec-13	26-Dec-13	22-Jan-14 A	26-Mar-14 A		$0	$0
SHT0157	Environmental Mitigation Plan	10d	100%	0d	05-Dec-13	18-Dec-13	23-Jan-14 A	02-Feb-14 A		$0	$0
SHT0156	Risk Management Plan	10d	100%	0d	04-Dec-13	17-Dec-13	23-Jan-14 A	30-Jan-14 A		$0	$0
SHT0158	Traffic Control Plan from Sta.0+000 to Sta.2+374 -Deir Sha'ar distribution pipeline 8" pipe in Beit Ummer town	10d	100%	0d	05-Dec-13	18-Dec-13	23-Jan-14 A	02-Mar-14 A		$0	$0
SHT0165	Welders Qualifications	10d	100%	0d	05-Jan-14	16-Jan-14	26-Jan-14 A	13-Mar-14 A		$0	$0
SHT0162	Public relation plan	10d	100%	0d	05-Dec-13	18-Dec-13	27-Jan-14 A	29-Jan-14 A		$0	$0
SHT0160	Trench safety plan	10d	100%	0d	05-Dec-13	18-Dec-13	16-Feb-14 A	17-Feb-14 A		$0	$0
SHT0164-new	3 inch Procedure Qualification Record (PQR)	10d	100%	0d			20-Feb-14 A	24-Feb-14 A		$0	$0
SHT0159-new	Traffic Control Plan -Phase I -from Sta.0+000 to Sta.2+800-Deir Sha'ar Water Transmission Project	10d	100%	0d			24-Feb-14 A	27-Feb-14 A		$0	$0
SHT0200-new	Radiographic Testing Safety Plan	10d	100%	0d			03-Mar-14 A	27-Mar-14 A		$0	$0
SHT0165-new	6 inch Procedure Qualification Record (PQR)	10d	50%	5d			05-Mar-14 A	07-Apr-14	36d	$0	$0
SHT0166-new	8"-12" Procedure Qualification Record (PQR)	10d	100%	0d			05-Mar-14 A	27-Mar-14 A		$0	$0
SHT0166	R.T. testing agency qualifications	10d	50%	5d	23-Jan-14	05-Feb-14	11-Mar-14 A	07-Apr-14	5d	$0	$0
SHT0203-new	Radiographic Testing (RT) Method Statement	10d	50%	5d			15-Mar-14 A	07-Apr-14	36d	$0	$0
SHT0168-new	Dilapidation Survey -Beit Ummar 8" Network	10d	50%	5d			18-Mar-14 A	07-Apr-14	36d	$0	$0



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

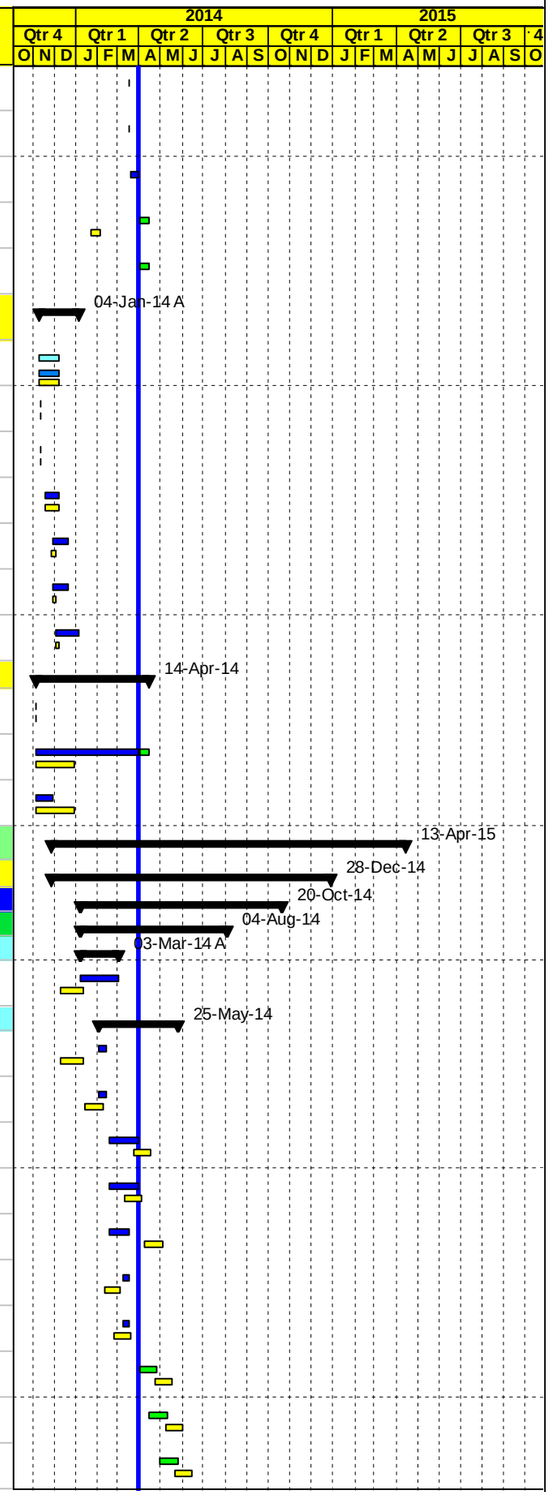
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT0196-new	Risk Management Program - Beit Ummar 8" Network	10d	100%	0d			18-Mar-14 A	19-Mar-14 A		$0	$0
SHT0199-new	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	10d	100%	0d			18-Mar-14 A	19-Mar-14 A		$0	$0
SHT0167-new	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	10d	100%	0d			20-Mar-14 A	30-Mar-14 A		$0	$0
SHT0167	U.T. testing entity's qualifications.	10d	0%	10d	23-Jan-14	05-Feb-14	01-Apr-14	14-Apr-14	5d	$0	$0
SHT0160-new	Traffic Control Plan -Phase I -from Sta.2+800 to Sta.11+460-Deir Sha'ar Water Transmission Project	10d	0%	10d			01-Apr-14	14-Apr-14	31d	$0	$0
Mobilization		23d		0d	10-Nov-13	08-Dec-13	11-Nov-13 A	04-Jan-14 A		$594,751	$594,751
SHT0168	Mobilization Total Cost (4.0%)	23d	100%	0d	10-Nov-13	08-Dec-13	11-Nov-13 A	08-Dec-13 A		$594,751	$594,751
SHT0170	Site Hand Over	1d	100%	0d	11-Nov-13	11-Nov-13	11-Nov-13 A	11-Nov-13 A		$0	$0
SHT0172	Checking With CMC Existing-Bench Marks, Survey Control Points	2d	100%	0d	11-Nov-13	12-Nov-13	11-Nov-13 A	12-Nov-13 A		$0	$0
SHT0174	Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials)	15d	100%	0d	19-Nov-13	08-Dec-13	19-Nov-13 A	08-Dec-13 A		$0	$0
SHT0176	Supply and install Office Furniture's and Supplies	5d	100%	0d	27-Nov-13	03-Dec-13	30-Nov-13 A	22-Dec-13 A		$0	$0
SHT0178	Supply and install Office IT Equipments & Applience	5d	100%	0d	28-Nov-13	04-Dec-13	30-Nov-13 A	22-Dec-13 A		$0	$0
SHT0180	Install Temporary Project Sign	1d	100%	0d	04-Dec-13	07-Dec-13	04-Dec-13 A	04-Jan-14 A		$0	$0
Conformed Drawings and Coordination		40d		12d	06-Nov-13	29-Dec-13	06-Nov-13 A	14-Apr-14	35d	$0	$0
SHT0106	Final for Construction Drawing (Conformed)	1d	100%	0d	06-Nov-13	06-Nov-13	06-Nov-13 A	06-Nov-13 A		$0	$0
SHT0266	Coordination with Israeli authorities for approval and permit area C	40d	70%	12d	06-Nov-13	29-Dec-13	06-Nov-13 A	14-Apr-14	35d	$0	$0
SHT0286	Coordination with local Authorities before Construction Project	40d	100%	0d	06-Nov-13	29-Dec-13	06-Nov-13 A	30-Nov-13 A		$0	$0
Construction Phase		524d		378d	01-Dec-13	14-Apr-15	28-Nov-13 A	13-Apr-15	26d	$88,178	$14,868,776
Construction Submittals		417d		271d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	133d	$0	$0
Shop Drawing Submittals		348d		202d	10-Dec-13	24-Sep-14	07-Jan-14 A	20-Oct-14	202d	$0	$0
Plan Profile and Cross Sections		177d		93d	10-Dec-13	15-Jun-14	07-Jan-14 A	04-Aug-14	97d	$0	$0
Plan Profile and Cross Sections From St.7+515 to 6+840 Phase One		21d		0d	10-Dec-13	12-Jan-14	07-Jan-14 A	03-Mar-14 A		$0	$0
SHT0188	From St.7+515 to 6+840	21d	100%	0d	10-Dec-13	12-Jan-14	07-Jan-14 A	03-Mar-14 A		$0	$0
Plan Profile and Cross Sections from St. 0+000 to 5+980 Phase Three		129d		45d	10-Dec-13	15-Jun-14	03-Feb-14 A	25-May-14	144d	$0	$0
SHT0190	From St.0+000 to 0+630	21d	100%	0d	10-Dec-13	12-Jan-14	03-Feb-14 A	13-Feb-14 A		$0	$0
SHT0192	From St.0+630 to 1+200	21d	100%	0d	13-Jan-14	09-Feb-14	03-Feb-14 A	13-Feb-14 A		$0	$0
SHT0200	From St.3+030 to 3+780	21d	100%	0d	25-Mar-14	17-Apr-14	17-Feb-14 A	31-Mar-14 A		$0	$0
SHT0198	From St. 2+780 to 3+030	21d	100%	0d	11-Mar-14	03-Apr-14	17-Feb-14 A	31-Mar-14 A		$0	$0
SHT0202	From St. 3+780 to 3+900	21d	100%	0d	08-Apr-14	04-May-14	17-Feb-14 A	17-Mar-14 A		$0	$0
SHT0194	From St.1+200 to 2+200	21d	100%	0d	10-Feb-14	05-Mar-14	09-Mar-14 A	17-Mar-14 A		$0	$0
SHT0196	From St.2+200 to 2+780	21d	100%	0d	24-Feb-14	20-Mar-14	09-Mar-14 A	17-Mar-14 A		$0	$0
SHT0204	From St. 3+900 to 4+640	21d	0%	21d	23-Apr-14	18-May-14	01-Apr-14	26-Apr-14	121d	$0	$0
SHT0206	From St. 4+640 to 5+300	21d	0%	21d	08-May-14	01-Jun-14	15-Apr-14	11-May-14	134d	$0	$0
SHT0208	From St. 5+300 to 5+980	21d	0%	21d	22-May-14	15-Jun-14	30-Apr-14	25-May-14	144d	$0	$0



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

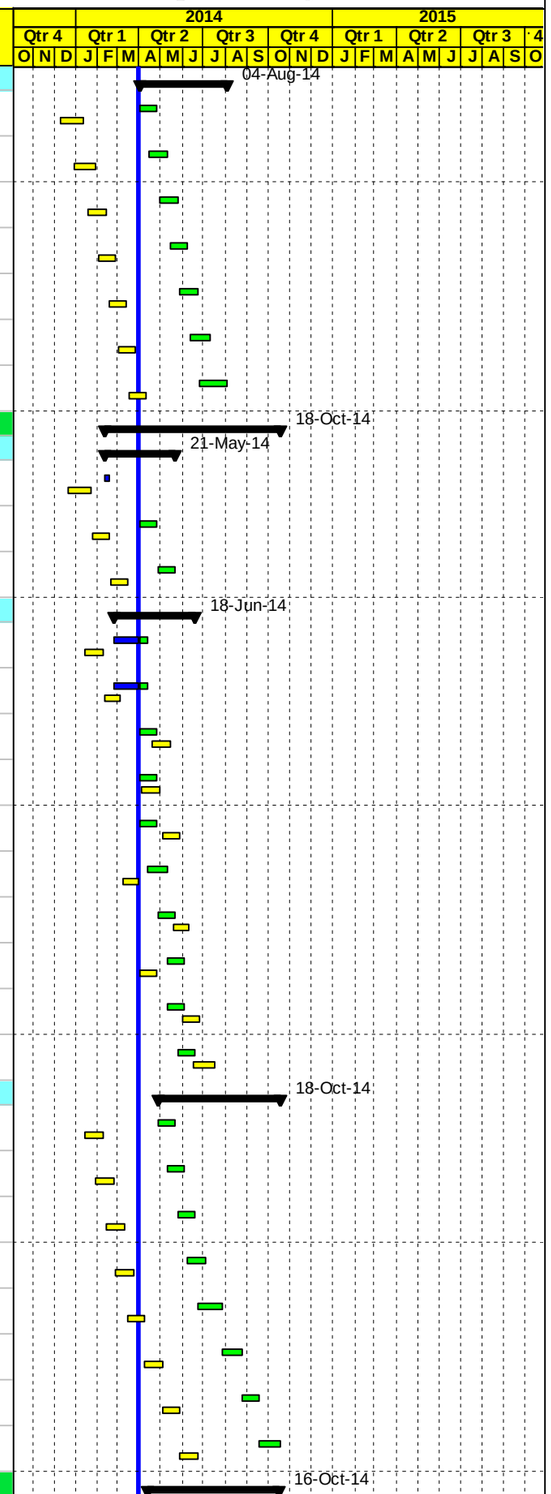
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		93d		93d	10-Dec-13	10-Apr-14	01-Apr-14	04-Aug-14	97d	$0	$0
SHT0210	From St. 11+460 to 11+000	21d	0%	21d	10-Dec-13	12-Jan-14	01-Apr-14	26-Apr-14	21d	$0	$0
SHT0212	From St. 11+000 to 10+460	21d	0%	21d	29-Dec-13	28-Jan-14	15-Apr-14	11-May-14	22d	$0	$0
SHT0214	From St.10+460 to 9+880	21d	0%	21d	18-Jan-14	12-Feb-14	30-Apr-14	25-May-14	28d	$0	$0
SHT0216	From St.9+880 to 9+070	21d	0%	21d	02-Feb-14	26-Feb-14	15-May-14	08-Jun-14	35d	$0	$0
SHT0217	From St.9+070 to 7+515	21d	0%	21d	17-Feb-14	13-Mar-14	29-May-14	22-Jun-14	50d	$0	$0
SHT0218	From St.6+840 to 6+220	21d	0%	21d	03-Mar-14	27-Mar-14	12-Jun-14	10-Jul-14	97d	$0	$0
SHT0219	From St. 6+220 to 5+980	21d	0%	21d	18-Mar-14	10-Apr-14	26-Jun-14	04-Aug-14	97d	$0	$0
Pipeline		229d		153d	22-Dec-13	16-Jul-14	12-Feb-14 A	18-Oct-14	79d	$0	$0
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		118d		42d	22-Dec-13	16-Mar-14	12-Feb-14 A	21-May-14	46d	$0	$0
SHT0220	Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 2+374	21d	100%	0d	22-Dec-13	22-Jan-14	12-Feb-14 A	18-Feb-14 A		$0	$0
SHT0221	Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086	21d	0%	21d	25-Jan-14	18-Feb-14	01-Apr-14	26-Apr-14	46d	$0	$0
SHT0222	Halhul Water Distribution Network All Segments	21d	0%	21d	19-Feb-14	16-Mar-14	27-Apr-14	21-May-14	46d	$0	$0
Waterline from St. 0+000 to 5+980 PhaseThree		129d		66d	13-Jan-14	16-Jul-14	24-Feb-14 A	18-Jun-14	144d	$0	$0
SHT0224	Waterline From St.0+000 to 0+630	21d	50%	11d	13-Jan-14	09-Feb-14	24-Feb-14 A	13-Apr-14	36d	$0	$0
SHT0226	Waterline From St.0+630 to 1+400	21d	50%	11d	10-Feb-14	05-Mar-14	24-Feb-14 A	13-Apr-14	54d	$0	$0
SHT0234	Waterline From St.3+030 to 3+780	21d	0%	21d	19-Apr-14	14-May-14	01-Apr-14	26-Apr-14	162d	$0	$0
SHT0232	Waterline From St. 2+780 to 3+030	21d	0%	21d	05-Apr-14	29-Apr-14	01-Apr-14	26-Apr-14	105d	$0	$0
SHT0236	Waterline From St. 3+780 to 3+900	21d	0%	21d	05-May-14	28-May-14	01-Apr-14	26-Apr-14	136d	$0	$0
SHT0228	Waterline From St.1+400 to 2+200	21d	0%	21d	08-Mar-14	31-Mar-14	13-Apr-14	10-May-14	54d	$0	$0
SHT0238	Waterline From St. 3+900 to 4+640	21d	0%	21d	19-May-14	11-Jun-14	27-Apr-14	21-May-14	121d	$0	$0
SHT0230	Waterline From St.2+200 to 2+780	21d	0%	21d	01-Apr-14	26-Apr-14	10-May-14	03-Jun-14	54d	$0	$0
SHT0240	Waterline From St. 4+640 to 5+300	21d	0%	21d	02-Jun-14	25-Jun-14	12-May-14	04-Jun-14	134d	$0	$0
SHT0242	Waterline From St. 5+300 to 5+980	21d	0%	21d	16-Jun-14	16-Jul-14	26-May-14	18-Jun-14	144d	$0	$0
Waterline from St. 11+460 to 5+980 Phase Four		132d		132d	13-Jan-14	22-Jun-14	27-Apr-14	18-Oct-14	79d	$0	$0
SHT0244	Waterline From St. 11+460 to 11+000	21d	0%	21d	13-Jan-14	09-Feb-14	27-Apr-14	21-May-14	21d	$0	$0
SHT0246	Waterline From St. 11+000 to 10+460	21d	0%	21d	29-Jan-14	23-Feb-14	12-May-14	04-Jun-14	22d	$0	$0
SHT0248	Waterline From St.10+460 to 9+880	21d	0%	21d	13-Feb-14	10-Mar-14	26-May-14	18-Jun-14	28d	$0	$0
SHT0250	Waterline From St.9+880 to 9+070	21d	0%	21d	27-Feb-14	24-Mar-14	09-Jun-14	05-Jul-14	35d	$0	$0
SHT0252	Waterline From St.9+070 to 7+515	21d	0%	21d	15-Mar-14	07-Apr-14	23-Jun-14	27-Jul-14	50d	$0	$0
SHT0254	Waterline From St.7+515 to 6+840	21d	0%	21d	08-Apr-14	04-May-14	28-Jul-14	25-Aug-14	78d	$0	$0
SHT0256	Waterline From St.6+840 to 6+220	21d	0%	21d	05-May-14	28-May-14	25-Aug-14	18-Sep-14	79d	$0	$0
SHT0258	Waterline From St. 6+220 to 5+980	21d	0%	21d	29-May-14	22-Jun-14	18-Sep-14	18-Oct-14	79d	$0	$0
Connection and Valves Chambers		142d		142d	10-Feb-14	21-Aug-14	13-Apr-14	16-Oct-14	121d	$0	$0



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

Page 4 of 25

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

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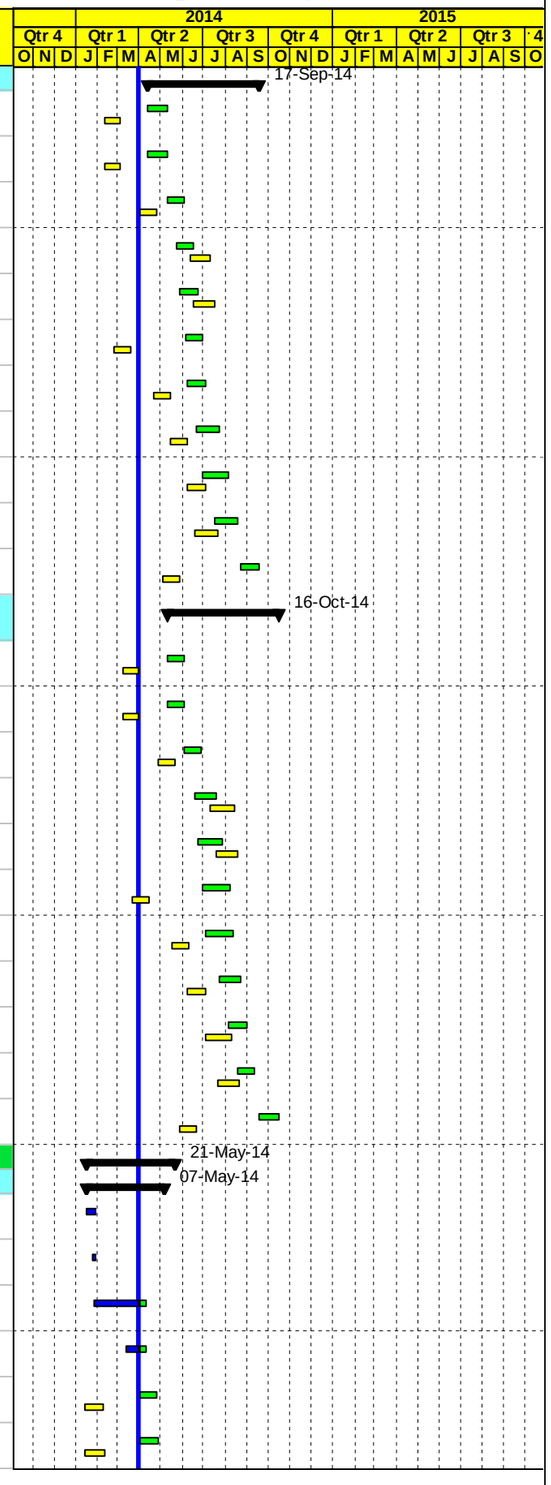
Civil		121d		121d	10-Feb-14	22-Jul-14	13-Apr-14	17-Sep-14	142d	$0	$0
SHT0259	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	10-Feb-14	05-Mar-14	13-Apr-14	10-May-14	72d	$0	$0
SHT0267	Main Connection monitoring chamber @ sta. 0+140	21d	0%	21d	10-Feb-14	05-Mar-14	13-Apr-14	10-May-14	60d	$0	$0
SHT0273	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	21d	01-Apr-14	26-Apr-14	10-May-14	03-Jun-14	119d	$0	$0
SHT0279	Beit Ummar Flow monitoring chamber @ sta. 4+640	21d	0%	21d	12-Jun-14	10-Jul-14	25-May-14	17-Jun-14	135d	$0	$0
SHT0281	Beit Ummar connection chamber @ sta. 3+480	21d	0%	21d	17-Jun-14	17-Jul-14	29-May-14	22-Jun-14	135d	$0	$0
SHT0270	Halhul reservoir connection chamber @ Sta.11+390	21d	0%	21d	24-Feb-14	20-Mar-14	05-Jun-14	30-Jun-14	107d	$0	$0
SHT0276	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	0%	21d	21-Apr-14	15-May-14	09-Jun-14	05-Jul-14	143d	$0	$0
SHT0287	karmi Tzur connection chamber	21d	0%	21d	15-May-14	08-Jun-14	21-Jun-14	23-Jul-14	145d	$0	$0
SHT0288	Surge tank detail	21d	0%	21d	08-Jun-14	03-Jul-14	29-Jun-14	06-Aug-14	128d	$0	$0
SHT0282	Compressor detail	21d	0%	21d	19-Jun-14	22-Jul-14	16-Jul-14	18-Aug-14	168d	$0	$0
SHT0278	Halhul connection chamber @ sta. 8+890	21d	0%	21d	04-May-14	27-May-14	24-Aug-14	17-Sep-14	90d	$0	$0
Mechanical		121d		121d	08-Mar-14	21-Aug-14	10-May-14	16-Oct-14	102d	$0	$0
SHT0283	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	08-Mar-14	31-Mar-14	10-May-14	03-Jun-14	178d	$0	$0
SHT0284	Main Connection monitoring chamber @ sta. 0+140	21d	0%	21d	08-Mar-14	31-Mar-14	10-May-14	03-Jun-14	201d	$0	$0
SHT0209	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	21d	27-Apr-14	21-May-14	03-Jun-14	28-Jun-14	180d	$0	$0
SHT0306	Beit Ummar Flow monitoring chamber @ sta. 4+640	21d	0%	21d	10-Jul-14	14-Aug-14	18-Jun-14	20-Jul-14	164d	$0	$0
SHT0307	Beit Ummar Connection chamber @ sta. 3+480	21d	0%	21d	19-Jul-14	19-Aug-14	23-Jun-14	27-Jul-14	164d	$0	$0
SHT0285	Halhul reservoir connection chamber @ Sta.11+390	21d	0%	21d	22-Mar-14	14-Apr-14	30-Jun-14	07-Aug-14	158d	$0	$0
SHT0301	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	0%	21d	17-May-14	09-Jun-14	05-Jul-14	11-Aug-14	155d	$0	$0
SHT0304	karmi Tzur connection chamber	21d	0%	21d	09-Jun-14	05-Jul-14	23-Jul-14	23-Aug-14	145d	$0	$0
SHT0305	Surge tank detail	21d	0%	21d	03-Jul-14	10-Aug-14	06-Aug-14	31-Aug-14	128d	$0	$0
SHT0308	Compressor detail	21d	0%	21d	22-Jul-14	21-Aug-14	18-Aug-14	11-Sep-14	128d	$0	$0
SHT0303	Halhul connection chamber @ sta. 8+890	21d	0%	21d	28-May-14	21-Jun-14	17-Sep-14	16-Oct-14	102d	$0	$0
Concrete walls		197d		51d	13-Jan-14	14-May-14	16-Jan-14 A	21-May-14	353d	$0	$0
Concrete walls Phase One		183d		37d	13-Jan-14	01-Mar-14	16-Jan-14 A	07-May-14	367d	$0	$0
SHT0304-new	Retaining wall from Sta. Sta.7+093 to Sta.7+220 LHS total length (127LM)	21d	100%	0d			16-Jan-14 A	29-Jan-14 A		$0	$0
SHT0306-new	Formwork Design for Retaining Work	21d	100%	0d			26-Jan-14 A	29-Jan-14 A		$0	$0
SHT0305-new	Retaining wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	21d	50%	11d			28-Jan-14 A	11-Apr-14	394d	$0	$0
SHT0308-new	Retaining Wall from Sta.7+220 to Sta.7+376 LHS	21d	50%	11d			13-Mar-14 A	11-Apr-14	394d	$0	$0
SHT0309	Retaining wall from sta. 7+140 to 7+170 RHS total length (30 LM)	21d	0%	21d	13-Jan-14	09-Feb-14	01-Apr-14	26-Apr-14	63d	$0	$0
SHT0310	Retaining wall from sta. 7+050 to 6+970 and from 6+920 to 6+885 LHS total length (115 LM)	21d	0%	21d	14-Jan-14	10-Feb-14	02-Apr-14	27-Apr-14	63d	$0	$0



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March 31, 2014

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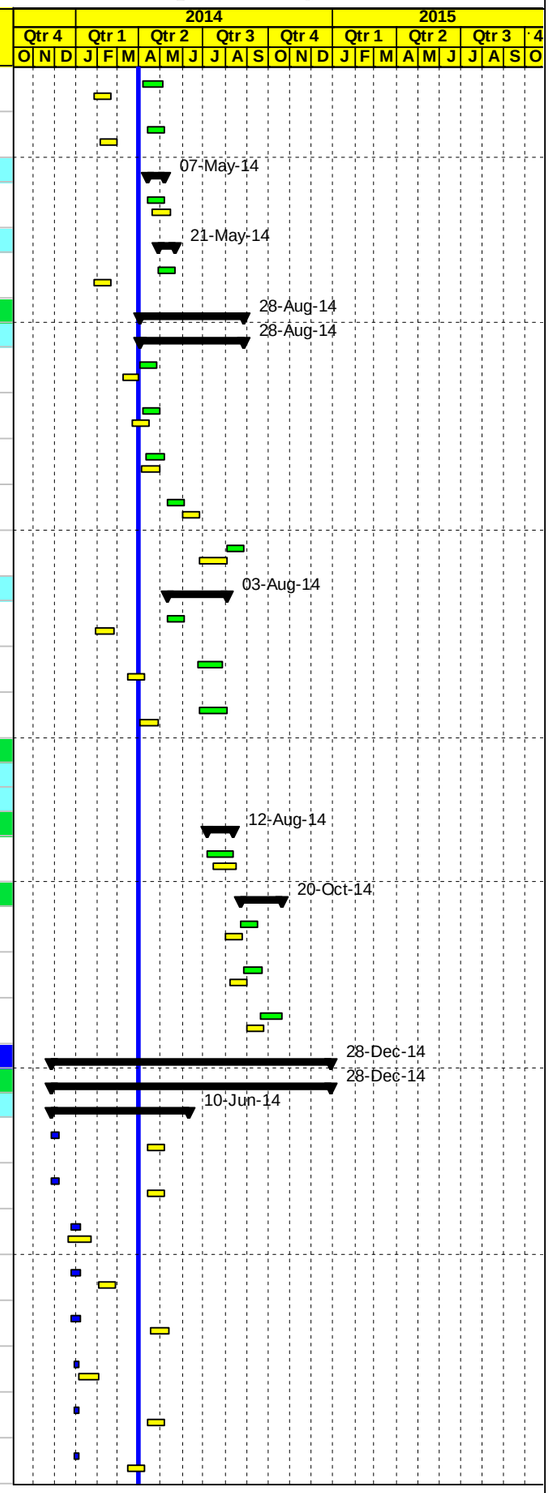
SHT0311	Boundary wall from sta. 7+195 to 7+190 and from 7+035 to 7+020 total length (20 LM)	21d	0%	21d	27-Jan-14	20-Feb-14	07-Apr-14	03-May-14	118d	$0	$0
SHT0312	Boundary wall from sta. 7+015 to 6+970 and from 6+965 to 6+935 total length (75 LM)	21d	0%	21d	04-Feb-14	01-Mar-14	12-Apr-14	07-May-14	123d	$0	$0
Concrete walls Phase Three		21d		21d	19-Apr-14	14-May-14	12-Apr-14	07-May-14	96d	$0	$0
SHT0313	Gravity wall from sta. 3+525 to 3+540 RHS total length (15 LM)	21d	0%	21d	19-Apr-14	14-May-14	12-Apr-14	07-May-14	96d	$0	$0
Concrete walls Phase Four		21d		21d	26-Jan-14	19-Feb-14	27-Apr-14	21-May-14	165d	$0	$0
SHT0314	Retaining wall from sta. 10+650 to 10+680 RHS total length (30 LM)	21d	0%	21d	26-Jan-14	19-Feb-14	27-Apr-14	21-May-14	165d	$0	$0
Pipe Culverts		114d		114d	29-Jan-14	04-Aug-14	01-Apr-14	28-Aug-14	163d	$0	$0
Pipe Culverts Phase Three		114d		114d	08-Mar-14	04-Aug-14	01-Apr-14	28-Aug-14	163d	$0	$0
SHT0315	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	21d	0%	21d	08-Mar-14	31-Mar-14	01-Apr-14	26-Apr-14	152d	$0	$0
SHT0318	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 2+230 with L=8.5m	21d	0%	21d	22-Mar-14	14-Apr-14	06-Apr-14	30-Apr-14	213d	$0	$0
SHT0321	Dia. 1000 mm precast pipe culvert including inlet and outlet @ Sta.2+860 with L=14.0 m	21d	0%	21d	05-Apr-14	29-Apr-14	10-Apr-14	06-May-14	213d	$0	$0
SHT0324	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 4+610 with L=9.0 m	21d	0%	21d	02-Jun-14	25-Jun-14	12-May-14	04-Jun-14	202d	$0	$0
SHT0325	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 6+150 with L=15.0 m	21d	0%	21d	26-Jun-14	04-Aug-14	04-Aug-14	28-Aug-14	163d	$0	$0
Pipe Culverts Phase Four		59d		59d	29-Jan-14	27-Apr-14	12-May-14	03-Aug-14	132d	$0	$0
SHT0330	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 10+613 with L=7.0 m	21d	0%	21d	29-Jan-14	23-Feb-14	12-May-14	04-Jun-14	158d	$0	$0
SHT0333	Storm concrete system from st. 9+060 to 8+240	21d	0%	21d	15-Mar-14	07-Apr-14	23-Jun-14	27-Jul-14	131d	$0	$0
SHT0336	Storm concrete system from sta. 7+220 to 7+240	21d	0%	21d	02-Apr-14	27-Apr-14	25-Jun-14	03-Aug-14	132d	$0	$0
Stone Boulder		0d		0d					0d	$0	$0
Stone Boulder Phase One		0d		0d					0d	$0	$0
Stone Boulder Phase Three		0d		0d					0d	$0	$0
Concrete curbstone and side walk Phase Four		21d		21d	14-Jul-14	17-Aug-14	07-Jul-14	12-Aug-14	152d	$0	$0
SHT0349	From St.7+515 to 6+840	21d	0%	21d	14-Jul-14	17-Aug-14	07-Jul-14	12-Aug-14	152d	$0	$0
Others		46d		46d	02-Aug-14	24-Sep-14	23-Aug-14	20-Oct-14	124d	$0	$0
SHT0355	Street Lighting	21d	0%	21d	02-Aug-14	26-Aug-14	23-Aug-14	16-Sep-14	81d	$0	$0
SHT0358	Concrete Ditches and Concrete protection	21d	0%	21d	07-Aug-14	01-Sep-14	28-Aug-14	22-Sep-14	144d	$0	$0
SHT0361	Road furnishing/Guard Rail	21d	0%	21d	31-Aug-14	24-Sep-14	21-Sep-14	20-Oct-14	117d	$0	$0
Material Submittals		299d		208d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	106d	$0	$0
Submittals including Manufacturers Qualifications , Shop Test, Product Data		299d		208d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	106d	$0	$0
Material Submittal Roads		135d		59d	22-Dec-13	12-Jun-14	28-Nov-13 A	10-Jun-14	255d	$0	$0
SHT0480	Cat eyes	21d	100%	0d	12-Apr-14	07-May-14	28-Nov-13 A	09-Dec-13 A		$0	$0
SHT0485	Thermoplastic paint	21d	100%	0d	12-Apr-14	07-May-14	28-Nov-13 A	09-Dec-13 A		$0	$0
SHT0380	Concrete Mix Design including cement type	21d	100%	0d	22-Dec-13	22-Jan-14	25-Dec-13 A	07-Jan-14 A		$0	$0
SHT0445	Bituminous Wearing Course-Mix Design	21d	100%	0d	02-Feb-14	26-Feb-14	25-Dec-13 A	08-Jan-14 A		$0	$0
SHT0500	Curbstone paint material	21d	100%	0d	17-Apr-14	13-May-14	25-Dec-13 A	08-Jan-14 A		$0	$0
SHT0415	Concrete Pipes	21d	100%	0d	06-Jan-14	03-Feb-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0490	Guard Rail	21d	100%	0d	12-Apr-14	07-May-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0460	Concrete joint sealant material	21d	100%	0d	15-Mar-14	07-Apr-14	30-Dec-13 A	06-Jan-14 A		$0	$0



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Baseline Milestone
Actual Work
Milestone Actual
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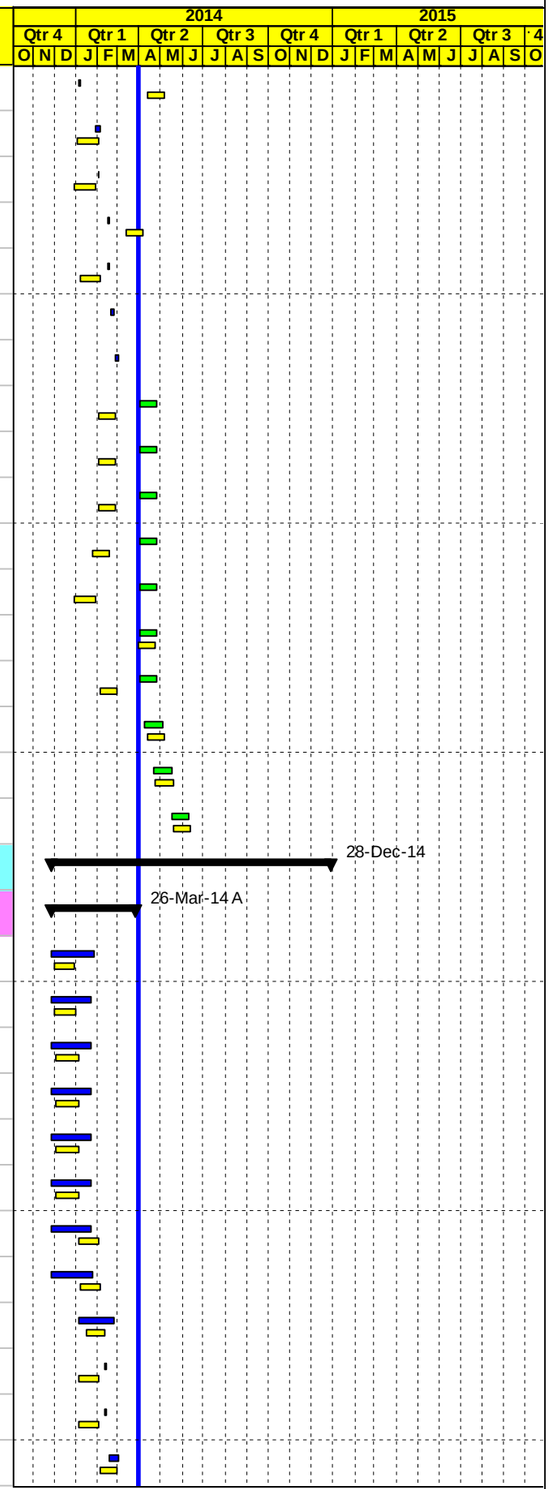
SHT0495	Traffic sign	21d	100%	0d	12-Apr-14	07-May-14	05-Jan-14 A	08-Jan-14 A		$0	$0
SHT0405	Base Course Source	21d	100%	0d	04-Jan-14	01-Feb-14	29-Jan-14 A	04-Feb-14 A		$0	$0
SHT0390	Steel Reinforcement	21d	100%	0d	29-Dec-13	28-Jan-14	02-Feb-14 A	03-Feb-14 A		$0	$0
SHT0455	Concrete Repair	21d	100%	0d	13-Mar-14	06-Apr-14	16-Feb-14 A	18-Feb-14 A		$0	$0
SHT0385	Formwork material	21d	100%	0d	08-Jan-14	04-Feb-14	16-Feb-14 A	18-Feb-14 A		$0	$0
SHT0566-new	Damp proofing	21d	100%	0d			20-Feb-14 A	24-Feb-14 A		$0	$0
SHT0565-new	Protection Board Sample	21d	100%	0d			26-Feb-14 A	03-Mar-14 A		$0	$0
SHT0430	Prime Coat	21d	0%	21d	02-Feb-14	26-Feb-14	01-Apr-14	26-Apr-14	169d	$0	$0
SHT0435	Tack Coat	21d	0%	21d	02-Feb-14	26-Feb-14	01-Apr-14	26-Apr-14	169d	$0	$0
SHT0440	Bituminous Binder Course-Mix Design	21d	0%	21d	02-Feb-14	26-Feb-14	01-Apr-14	26-Apr-14	169d	$0	$0
SHT0425	Curbstone	21d	0%	21d	25-Jan-14	18-Feb-14	01-Apr-14	26-Apr-14	178d	$0	$0
SHT0395	Precast Concrete Manholes and catch basin	21d	0%	21d	30-Dec-13	29-Jan-14	01-Apr-14	26-Apr-14	221d	$0	$0
SHT0470	Interlocking Blocks	21d	0%	21d	31-Mar-14	24-Apr-14	01-Apr-14	26-Apr-14	293d	$0	$0
SHT0640	Storm water manholes	21d	0%	21d	04-Feb-14	01-Mar-14	01-Apr-14	26-Apr-14	293d	$0	$0
SHT0475	Galvanized steel Handrail	21d	0%	21d	12-Apr-14	07-May-14	09-Apr-14	05-May-14	244d	$0	$0
SHT0465	Street Lighting including poles	21d	0%	21d	24-Apr-14	19-May-14	22-Apr-14	17-May-14	168d	$0	$0
SHT0505	Lighting control	21d	0%	21d	20-May-14	12-Jun-14	18-May-14	10-Jun-14	168d	$0	$0
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, lab		299d		208d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	46d	$0	$0
Pipes		97d		0d	01-Dec-13	01-Mar-14	28-Nov-13 A	26-Mar-14 A		$0	$0
SHT0510	Steel pipeline 760 mm	21d	100%	0d	01-Dec-13	30-Dec-13	28-Nov-13 A	28-Jan-14 A		$0	$0
SHT0515	Steel pipeline 300 mm	21d	100%	0d	02-Dec-13	31-Dec-13	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0520	Steel pipeline 200 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0525	Steel pipeline 150 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0530	Steel pipeline 100 mm	21d	100%	0d	04-Dec-13	05-Jan-14	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0535	Steel pipeline 75 mm	21d	100%	0d	04-Dec-13	05-Jan-14	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0548	Steel pipeline 250 mm	21d	100%	0d	06-Jan-14	03-Feb-14	28-Nov-13 A	23-Jan-14 A		$0	$0
SHT0557	Steel pipeline 50 mm	21d	100%	0d	08-Jan-14	04-Feb-14	28-Nov-13 A	25-Jan-14 A		$0	$0
SHT0559	Shrinkable sheet	21d	100%	0d	15-Jan-14	11-Feb-14	05-Jan-14 A	24-Feb-14 A		$0	$0
SHT0543	Bedding material	21d	100%	0d	05-Jan-14	02-Feb-14	12-Feb-14 A	13-Feb-14 A		$0	$0
SHT0547	Backfilling material	21d	100%	0d	06-Jan-14	03-Feb-14	12-Feb-14 A	13-Feb-14 A		$0	$0
SHT0560	Warning tape	21d	100%	0d	04-Feb-14	01-Mar-14	18-Feb-14 A	02-Mar-14 A		$0	$0



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

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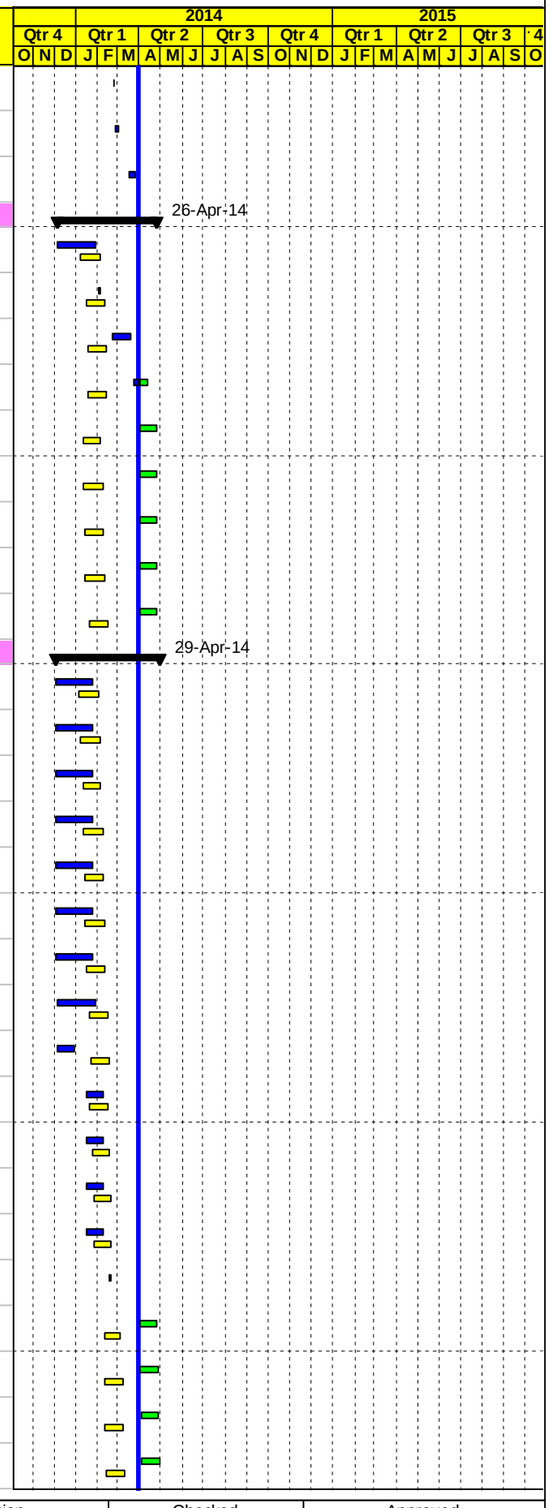
SHT0561-ne	Non-shrink cementitious mortar - Fosroc	21d	100%	0d			25-Feb-14 A	25-Feb-14 A		$0	$0
SHT0562-ne	4" PVC Weep Pipe	21d	100%	0d			26-Feb-14 A	02-Mar-14 A		$0	$0
SHT0563-ne	Galvanized Steel pipeline 0.5", 0.75",1",1.5",2"	21d	100%	0d			19-Mar-14 A	26-Mar-14 A		$0	$0
Manholes and chambers		87d		21d	08-Jan-14	16-Feb-14	05-Dec-13 A	26-Apr-14	111d	$0	$0
SHT0563	Air ventilation pipes	21d	100%	0d	08-Jan-14	04-Feb-14	05-Dec-13 A	30-Jan-14 A		$0	$0
SHT0575	Steel flanges	21d	100%	0d	15-Jan-14	11-Feb-14	02-Feb-14 A	04-Feb-14 A		$0	$0
SHT0580	Rubber Gaskets	21d	100%	0d	18-Jan-14	12-Feb-14	23-Feb-14 A	20-Mar-14 A		$0	$0
SHT0585	Bolts ,washers & nuts	21d	50%	11d	19-Jan-14	13-Feb-14	24-Mar-14 A	13-Apr-14	121d	$0	$0
SHT0565	Buddle flanges	21d	0%	21d	11-Jan-14	05-Feb-14	01-Apr-14	26-Apr-14	111d	$0	$0
SHT0568	Manhole Cover and Frame.	21d	0%	21d	12-Jan-14	08-Feb-14	01-Apr-14	26-Apr-14	111d	$0	$0
SHT0570	Ladders steps	21d	0%	21d	13-Jan-14	09-Feb-14	01-Apr-14	26-Apr-14	111d	$0	$0
SHT0573	Holding Jacks	21d	0%	21d	14-Jan-14	10-Feb-14	01-Apr-14	26-Apr-14	111d	$0	$0
SHT0590	Epoxy coating	21d	0%	21d	21-Jan-14	16-Feb-14	01-Apr-14	26-Apr-14	111d	$0	$0
Valves & fittings including Design calculations of fitting		91d		24d	06-Jan-14	10-Mar-14	04-Dec-13 A	29-Apr-14	108d	$0	$0
SHT0600	Butterfly. valves 760 mm	21d	100%	0d	06-Jan-14	03-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0605	Butterfly.valves 500 mm	21d	100%	0d	08-Jan-14	04-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0610	Butterfly. valves400 mm	21d	100%	0d	11-Jan-14	05-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0615	Gate valves 250. with Actuators	21d	100%	0d	12-Jan-14	08-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0620	Gate valves 150 with Actuators	21d	100%	0d	13-Jan-14	09-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0625	Gate valves 100. with Actuators	21d	100%	0d	14-Jan-14	10-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0630	Gate valves 75.	21d	100%	0d	15-Jan-14	11-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0645	Combination Air relief valves	21d	100%	0d	20-Jan-14	15-Feb-14	05-Dec-13 A	30-Jan-14 A		$0	$0
SHT0655	Dismantling Joint	21d	100%	0d	22-Jan-14	17-Feb-14	05-Dec-13 A	31-Dec-13 A		$0	$0
SHT0650	Mechanical coupling	21d	100%	0d	21-Jan-14	16-Feb-14	16-Jan-14 A	09-Feb-14 A		$0	$0
SHT0660	Steel Elbows	21d	100%	0d	25-Jan-14	18-Feb-14	16-Jan-14 A	09-Feb-14 A		$0	$0
SHT0665	Steel Tees	21d	100%	0d	26-Jan-14	19-Feb-14	16-Jan-14 A	09-Feb-14 A		$0	$0
SHT0670	Steel reducers	21d	100%	0d	27-Jan-14	20-Feb-14	16-Jan-14 A	09-Feb-14 A		$0	$0
SHT0691-ne	Galvanized Malleable Iron Fittings up to 2"- Modgal	5d	100%	0d			18-Feb-14 A	20-Feb-14 A		$0	$0
SHT0675	Electro magnetic flow Water meters	21d	0%	21d	10-Feb-14	05-Mar-14	01-Apr-14	26-Apr-14	108d	$0	$0
SHT0680	Surge Tank	21d	0%	21d	11-Feb-14	08-Mar-14	02-Apr-14	27-Apr-14	108d	$0	$0
SHT0685	Air Compressor	21d	0%	21d	12-Feb-14	09-Mar-14	03-Apr-14	28-Apr-14	108d	$0	$0
SHT0690	Filters	21d	0%	21d	13-Feb-14	10-Mar-14	05-Apr-14	29-Apr-14	108d	$0	$0



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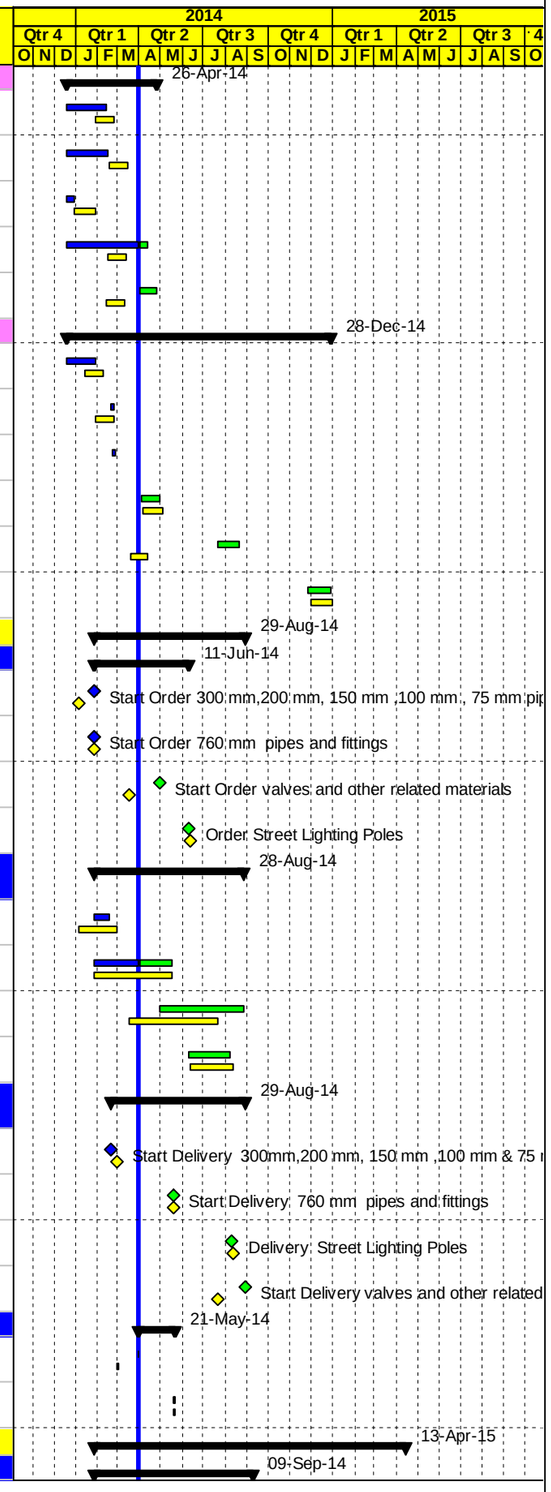
Control Valves		92d		21d	30-Dec-13	15-Mar-14	19-Dec-13 A	26-Apr-14	111d	$0	$0
SHT0700	Pressure reducing valves	21d	100%	0d	29-Jan-14	23-Feb-14	19-Dec-13 A	13-Feb-14 A		$0	$0
SHT0705	Flow control valves	21d	100%	0d	18-Feb-14	15-Mar-14	19-Dec-13 A	16-Feb-14 A		$0	$0
SHT0710	Pressure relief valves	21d	100%	0d	30-Dec-13	29-Jan-14	19-Dec-13 A	31-Dec-13 A		$0	$0
SHT0740	Swing check valve (8"-PN16)	21d	50%	11d	16-Feb-14	12-Mar-14	19-Dec-13 A	13-Apr-14	121d	$0	$0
SHT0730	Water meters	21d	0%	21d	13-Feb-14	10-Mar-14	01-Apr-14	26-Apr-14	111d	$0	$0
Others		271d		205d	13-Jan-14	30-Dec-14	19-Dec-13 A	28-Dec-14	46d	$0	$0
SHT0785	Strainers.	21d	100%	0d	13-Jan-14	09-Feb-14	19-Dec-13 A	30-Jan-14 A		$0	$0
SHT0788	protective lining and coating	21d	100%	0d	29-Jan-14	23-Feb-14	20-Feb-14 A	24-Feb-14 A		$0	$0
SHT0911-ne	Spacers	5d	100%	0d			23-Feb-14 A	27-Feb-14 A		$0	$0
SHT0905	Earthing grounding system	21d	0%	21d	07-Apr-14	03-May-14	05-Apr-14	29-Apr-14	230d	$0	$0
SHT0895	Electrical tests and Commissioning	21d	0%	21d	19-Mar-14	12-Apr-14	22-Jul-14	21-Aug-14	146d	$0	$0
SHT0910	Spare parts	21d	0%	21d	30-Nov-14	30-Dec-14	27-Nov-14	28-Dec-14	46d	$0	$0
Procurements		191d		119d	06-Jan-14	12-Aug-14	27-Jan-14 A	29-Aug-14	162d	$0	$0
Order		124d		33d	06-Jan-14	13-Jun-14	27-Jan-14 A	11-Jun-14	179d	$0	$0
SHT0920	Start Order 300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	0d	100%	0d	06-Jan-14		27-Jan-14 A			$0	$0
SHT0930	Start Order 760 mm pipes and fittings	0d	100%	0d	27-Jan-14		27-Jan-14 A			$0	$0
SHT0940	Start Order valves and other related materials	0d	0%	0d	17-Mar-14		30-Apr-14		117d	$0	$0
SHT0950	Order Street Lighting Poles	0d	0%	0d	13-Jun-14		11-Jun-14		179d	$0	$0
Manufacturing		191d		119d	06-Jan-14	11-Aug-14	27-Jan-14 A	28-Aug-14	162d	$0	$0
SHT0960	300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	46d	100%	0d	06-Jan-14	27-Feb-14	27-Jan-14 A	18-Feb-14 A		$0	$0
SHT0970	760 mm pipes and fittings	87d	62.2%	33d	27-Jan-14	18-May-14	27-Jan-14 A	18-May-14	0d	$0	$0
SHT0980	valves and other related materials	100d	0%	100d	17-Mar-14	21-Jul-14	30-Apr-14	28-Aug-14	117d	$0	$0
SHT0990	Street Lighting Poles	50d	0%	50d	13-Jun-14	11-Aug-14	11-Jun-14	08-Aug-14	179d	$0	$0
Delivery		145d		86d	28-Feb-14	12-Aug-14	19-Feb-14 A	29-Aug-14	162d	$0	$0
SHT1000	Start Delivery 300mm,200 mm, 150 mm ,100 mm & 75 mm pipes and fittings	0d	100%	0d	28-Feb-14		19-Feb-14 A			$0	$0
SHT1010	Start Delivery 760 mm pipes and fittings	0d	0%	0d	19-May-14		19-May-14		0d	$0	$0
SHT1030	Delivery Street Lighting Poles	0d	0%	0d	12-Aug-14		10-Aug-14		179d	$0	$0
SHT1020	Start Delivery valves and other related materials	0d	0%	0d	22-Jul-14		29-Aug-14		117d	$0	$0
Testing		36d		3d	28-Feb-14	21-May-14	31-Mar-14 A	21-May-14	0d	$0	$0
SHT1040	Start Testing 300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	3d	100%	0d	28-Feb-14	03-Mar-14	31-Mar-14 A	31-Mar-14 A		$0	$0
SHT1050	Testing 760 mm pipes and fittings	3d	0%	3d	19-May-14	21-May-14	19-May-14	21-May-14	0d	$0	$0
Construction		425d		378d	05-Feb-14	14-Apr-15	28-Jan-14 A	13-Apr-15	1d	$88,178	$14,868,776
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		163d		124d	05-Feb-14	16-Jul-14	28-Jan-14 A	09-Sep-14	63d	$80,978	$159,538



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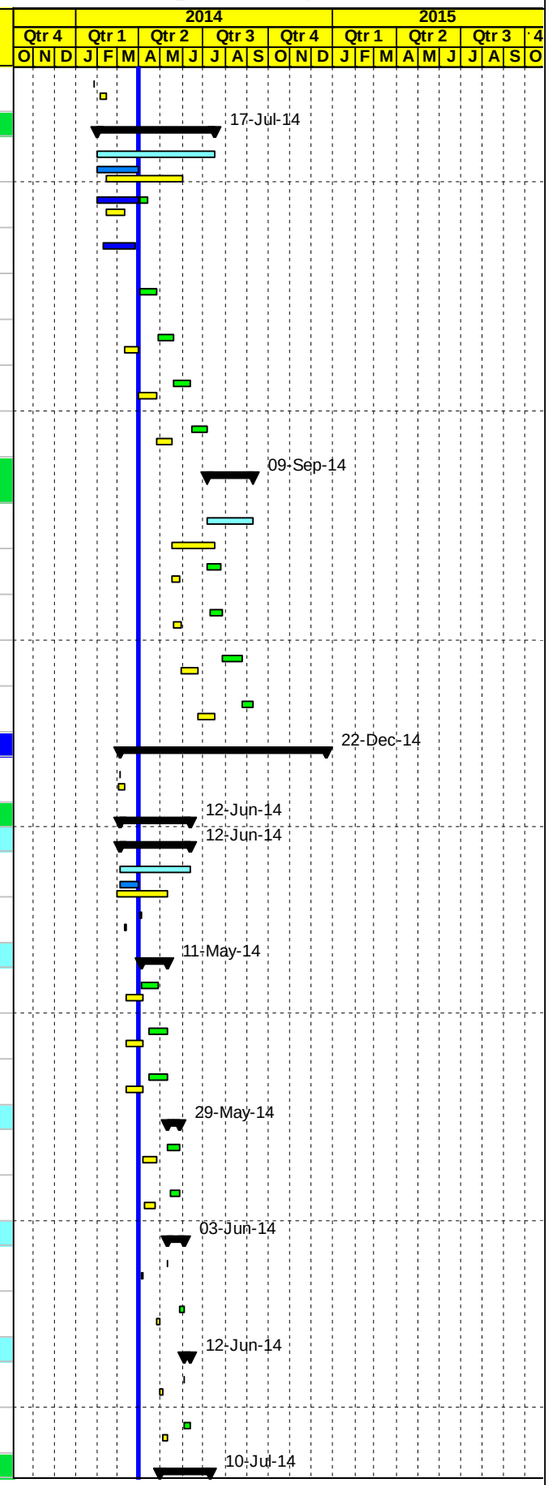
SHT1095	Start Implement traffic control Phase One	5d	100%	0d	05-Feb-14	12-Feb-14	28-Jan-14 A	28-Jan-14 A		$0	$0
Road work (Stone boulder & Conc. Walls) St.7+515 to 6+840 LHS		118d		85d	12-Feb-14	01-Jun-14	01-Feb-14 A	17-Jul-14	73d	$80,978	$108,840
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	10%	85d	12-Feb-14	01-Jun-14	01-Feb-14 A	17-Jul-14	73d	$0	$0
SHT1117	Structural excavation for retaining walls	21d	50%	11d	12-Feb-14	10-Mar-14	01-Feb-14 A	13-Apr-14	73d	$18,000	$0
SHT1385-new	Concrete retaining wall from sta. 7+170 to 7+095 LHS = length (75 LM)	21d	100%	0d			09-Feb-14 A	26-Mar-14 A		$62,978	$0
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	21d	0%	21d			01-Apr-14	26-Apr-14	64d	$0	$0
SHT1125	Concrete retaining wall from sta. 6+920 to 6+885 LHS = length (35 LM)	18d	0%	18d	10-Mar-14	31-Mar-14	28-Apr-14	19-May-14	63d	$0	$19,439
SHT1135	Concrete retaining wall from sta. 7+050 to 7+010 LHS = length (40 LM)	21d	0%	21d	31-Mar-14	26-Apr-14	20-May-14	12-Jun-14	63d	$0	$44,701
SHT1140	Concrete retaining wall from sta. 7+010 to 6+970 LHS = length (40 LM)	18d	0%	18d	26-Apr-14	18-May-14	14-Jun-14	07-Jul-14	63d	$0	$44,701
Road work (Stone boulder & Conc. Walls)) St.7+140 to 6+900 RHS		45d		45d	18-May-14	16-Jul-14	07-Jul-14	09-Sep-14	63d	$0	$50,698
SHT1155	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	45d	0%	45d	18-May-14	16-Jul-14	07-Jul-14	09-Sep-14	63d	$0	$0
SHT1158	Structural excavation for Concrete walls	10d	0%	10d	18-May-14	29-May-14	07-Jul-14	26-Jul-14	63d	$0	$0
SHT1160	Concrete boundary wall from sta. 7+195 to 7+190 and from 7+035 to 7+020 total length (20 LM)	9d	0%	9d	20-May-14	31-May-14	10-Jul-14	27-Jul-14	63d	$0	$8,710
SHT1165	Concrete boundary wall from sta. 7+015 to 6+970 and from 6+965 to 6+935 total length (75 LM)	21d	0%	21d	31-May-14	24-Jun-14	28-Jul-14	25-Aug-14	63d	$0	$17,567
SHT1170	Concrete retaining wall from sta. 7+140 to 7+170 RHS total length (30 LM)	13d	0%	13d	24-Jun-14	16-Jul-14	25-Aug-14	09-Sep-14	63d	$0	$24,421
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		265d		265d	01-Mar-14	22-Nov-14	04-Mar-14 A	22-Dec-14	23d	$0	$1,322,587
SHT1174	Start Implement traffic control Phase Two	5d	100%	0d	03-Mar-14	10-Mar-14	04-Mar-14 A	04-Mar-14 A		$0	$0
Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+200		73d		73d	01-Mar-14	11-May-14	04-Mar-14 A	12-Jun-14	187d	$0	$196,175
Safety, saw cut asphalt and milling		61d		61d	01-Mar-14	11-May-14	04-Mar-14 A	12-Jun-14	141d	$0	$0
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	56d	0%	61d	01-Mar-14	11-May-14	04-Mar-14 A	12-Jun-14	141d	$0	$0
SHT1180	saw cut asphalt	3d	0%	3d	10-Mar-14	13-Mar-14	01-Apr-14	03-Apr-14	10d	$0	$0
Pipe Installation		31d		31d	12-Mar-14	06-Apr-14	03-Apr-14	11-May-14	5d	$0	$158,675
SHT1185	Trench excavation for 200 mm Dist. pipeline with length approx. (1200 LM)	21d	0%	21d	12-Mar-14	06-Apr-14	03-Apr-14	28-Apr-14	10d	$0	$21,875
SHT1190	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	0%	21d	12-Mar-14	06-Apr-14	14-Apr-14	11-May-14	5d	$0	$118,425
SHT1195	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	0%	21d	12-Mar-14	06-Apr-14	14-Apr-14	11-May-14	5d	$0	$18,375
Civil Chamber work		16d		16d	06-Apr-14	26-Apr-14	11-May-14	29-May-14	141d	$0	$25,400
SHT1200	Construct - Gate Valve chamber @ Sta.0+010 ,0+800	16d	0%	16d	06-Apr-14	26-Apr-14	11-May-14	29-May-14	141d	$0	$18,400
SHT1205	Construct - Wash out chamber @ Sta.0+150	12d	0%	12d	09-Apr-14	24-Apr-14	14-May-14	28-May-14	142d	$0	$7,000
Testing		25d		25d	05-Apr-14	30-Apr-14	10-May-14	03-Jun-14	186d	$0	$0
SHT1207	Radiographic Testing (RT)	1d	0%	1d	05-Apr-14	05-Apr-14	10-May-14	10-May-14	29d	$0	$0
SHT1210	Pressure Testing	4d	0%	4d	26-Apr-14	30-Apr-14	29-May-14	03-Jun-14	141d	$0	$0
Asphalt		8d		8d	30-Apr-14	11-May-14	03-Jun-14	12-Jun-14	141d	$0	$12,100
SHT1212	Milling	1d	0%	1d	30-Apr-14	03-May-14	03-Jun-14	04-Jun-14	141d	$0	$4,500
SHT1215	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	0%	7d	03-May-14	11-May-14	04-Jun-14	12-Jun-14	141d	$0	$7,600
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		72d		72d	06-Apr-14	09-Jun-14	29-Apr-14	10-Jul-14	172d	$0	$184,809



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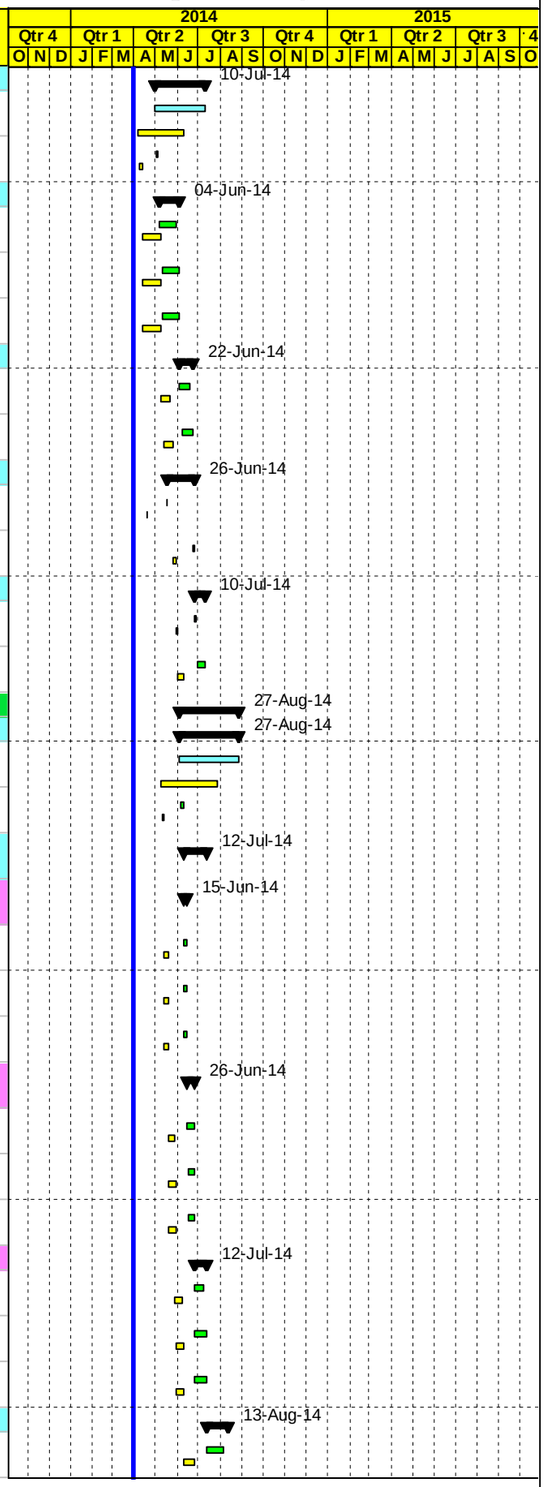
Safety, saw cut asphalt and milling		58d		58d	06-Apr-14	09-Jun-14	29-Apr-14	10-Jul-14	128d	$0	$0
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	58d	0%	58d	06-Apr-14	09-Jun-14	29-Apr-14	10-Jul-14	128d	$0	$0
SHT1225	saw cut asphalt	3d	0%	3d	08-Apr-14	12-Apr-14	03-May-14	05-May-14	10d	$0	$0
Pipe Installation		26d		26d	12-Apr-14	08-May-14	06-May-14	04-Jun-14	5d	$0	$156,775
SHT1230	Trench excavation for 200 mm Dist. pipeline with length approx. (1174 LM)	21d	0%	21d	12-Apr-14	08-May-14	06-May-14	29-May-14	10d	$0	$21,613
SHT1235	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	0%	21d	12-Apr-14	08-May-14	11-May-14	04-Jun-14	5d	$0	$117,008
SHT1240	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	0%	21d	12-Apr-14	08-May-14	11-May-14	04-Jun-14	5d	$0	$18,155
Civil Chamber work		15d		15d	08-May-14	26-May-14	04-Jun-14	22-Jun-14	128d	$0	$16,200
SHT1245	Construct - Gate Valve chamber @ 1+850	12d	0%	12d	08-May-14	22-May-14	04-Jun-14	18-Jun-14	128d	$0	$9,200
SHT1250	Construct - Wash out chamber @ 2+3700	12d	0%	12d	12-May-14	26-May-14	08-Jun-14	22-Jun-14	128d	$0	$7,000
Testing		41d		41d	19-Apr-14	31-May-14	17-May-14	26-Jun-14	172d	$0	$0
SHT1253	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	19-Apr-14	17-May-14	17-May-14	3d	$0	$0
SHT1255	Pressure Testing	4d	0%	4d	26-May-14	31-May-14	22-Jun-14	26-Jun-14	128d	$0	$0
Asphalt		8d		8d	31-May-14	09-Jun-14	26-Jun-14	10-Jul-14	128d	$0	$11,834
SHT1257	Milling	1d	0%	1d	31-May-14	01-Jun-14	26-Jun-14	28-Jun-14	128d	$0	$4,500
SHT1260	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	0%	7d	01-Jun-14	09-Jun-14	29-Jun-14	10-Jul-14	128d	$0	$7,334
Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086		83d		83d	08-May-14	27-Jul-14	04-Jun-14	27-Aug-14	133d	$0	$177,186
Safety, saw cut asphalt and milling		59d		59d	08-May-14	27-Jul-14	04-Jun-14	27-Aug-14	103d	$0	$0
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	59d	0%	59d	08-May-14	27-Jul-14	04-Jun-14	27-Aug-14	103d	$0	$0
SHT1270	saw cut asphalt	3d	0%	3d	10-May-14	13-May-14	05-Jun-14	09-Jun-14	5d	$0	$0
Pipe Installation		24d		24d	13-May-14	10-Jun-14	09-Jun-14	12-Jul-14	5d	$0	$134,068
150 mm Dist. pipelines		5d		5d	13-May-14	19-May-14	09-Jun-14	15-Jun-14	6d	$0	$23,150
SHT1275	Trench excavation for 150 mm Dist. pipelines from Sta. 0+000 - 0+200) with length approx. (200 LM)	5d	0%	5d	13-May-14	19-May-14	09-Jun-14	15-Jun-14	5d	$0	$3,400
SHT1280	Bedding layer & install the above dist.Steel pipelines including required welding inspection	5d	0%	5d	13-May-14	19-May-14	09-Jun-14	15-Jun-14	6d	$0	$16,850
SHT1282	Backfill the pipe trench with approved materials to the required level including 20 cm base course	5d	0%	5d	13-May-14	19-May-14	09-Jun-14	15-Jun-14	6d	$0	$2,900
Double 150 & 100 mm Dist. pipelines		10d		10d	19-May-14	31-May-14	15-Jun-14	26-Jun-14	5d	$0	$70,749
SHT1285	Trench excavation for Double 150 & 100 mm Dist. pipelines from Sta. 0+200 - 0+595 with length approx. (395 LM)	9d	0%	9d	19-May-14	29-May-14	15-Jun-14	25-Jun-14	5d	$0	$11,620
SHT1287	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	0%	9d	20-May-14	31-May-14	16-Jun-14	26-Jun-14	5d	$0	$49,532
SHT1289	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	0%	9d	20-May-14	31-May-14	16-Jun-14	26-Jun-14	5d	$0	$9,598
100 mm Dist. pipeline		10d		10d	29-May-14	10-Jun-14	25-Jun-14	12-Jul-14	5d	$0	$40,169
SHT1290	Trench excavation for 100 mm Dist. pipeline from sta. 0+595 to 1+086 with length approx. (491 LM)	8d	0%	8d	29-May-14	08-Jun-14	25-Jun-14	08-Jul-14	6d	$0	$7,365
SHT1293	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	0%	9d	31-May-14	10-Jun-14	26-Jun-14	12-Jul-14	5d	$0	$26,912
SHT1298	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	0%	9d	31-May-14	10-Jun-14	26-Jun-14	12-Jul-14	5d	$0	$5,892
Civil Chamber work		19d		19d	10-Jun-14	05-Jul-14	13-Jul-14	13-Aug-14	103d	$0	$36,300
SHT1295	Construct - Wash out chamber @ Sta.0+105 & 0+480	13d	0%	13d	10-Jun-14	25-Jun-14	13-Jul-14	06-Aug-14	103d	$0	$11,800



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

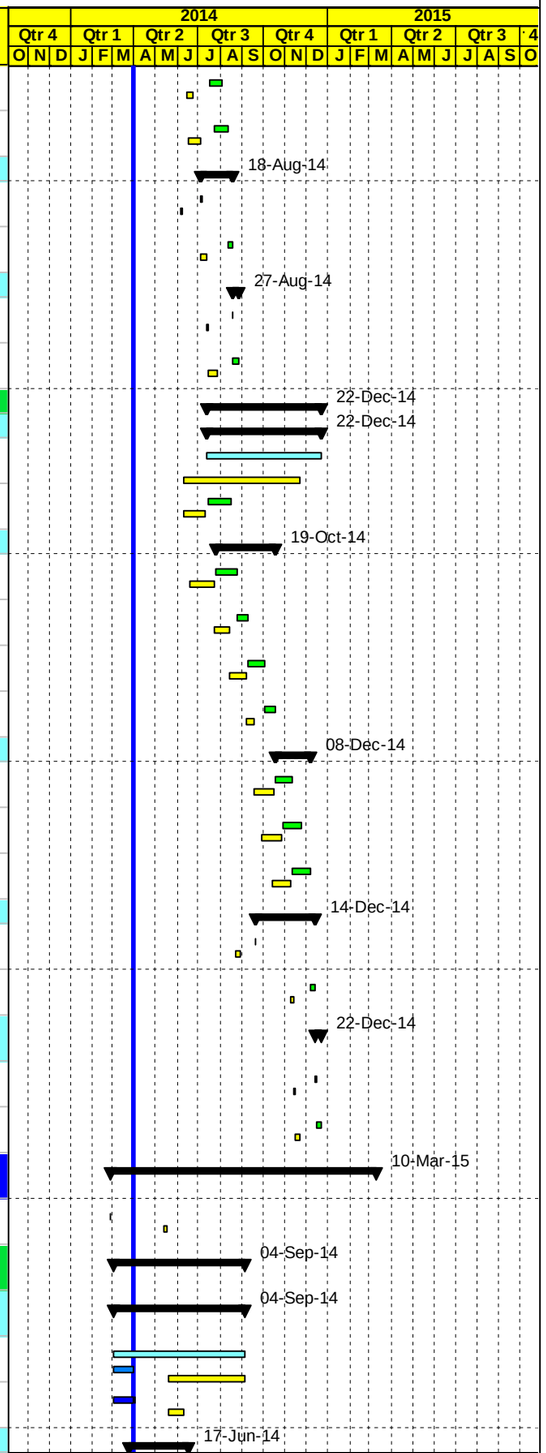
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT1300	Construct - AR/AV Valve chamber @ Sta.0+210	8d	0%	8d	14-Jun-14	23-Jun-14	17-Jul-14	04-Aug-14	103d	$0	$9,500
SHT1305	Construct - Gate Valve chamber @ Sta.0+590 and 0+800	13d	0%	13d	17-Jun-14	05-Jul-14	23-Jul-14	13-Aug-14	103d	$0	$15,000
Testing		44d		44d	07-Jun-14	12-Jul-14	05-Jul-14	18-Aug-14	132d	$0	$0
SHT1307	Radiographic Testing (RT)	1d	0%	1d	07-Jun-14	07-Jun-14	05-Jul-14	05-Jul-14	2d	$0	$0
SHT1310	Pressure Testing	4d	0%	4d	05-Jul-14	12-Jul-14	13-Aug-14	18-Aug-14	103d	$0	$0
Asphalt		8d		8d	13-Jul-14	27-Jul-14	18-Aug-14	27-Aug-14	103d	$0	$6,818
SHT1314	Milling	1d	0%	1d	13-Jul-14	14-Jul-14	18-Aug-14	19-Aug-14	103d	$0	$4,500
SHT1315	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	0%	7d	14-Jul-14	27-Jul-14	19-Aug-14	27-Aug-14	103d	$0	$2,318
Halhul Water Distribution Network All Segments		162d		162d	10-Jun-14	22-Nov-14	13-Jul-14	22-Dec-14	23d	$0	$764,417
Safety, saw cut asphalt and milling		123d		123d	10-Jun-14	22-Nov-14	13-Jul-14	22-Dec-14	16d	$0	$0
SHT1320	Maintain traffic control and safety plan ,coordination with local and all parties	123d	0%	123d	10-Jun-14	22-Nov-14	13-Jul-14	22-Dec-14	16d	$0	$0
SHT1325	saw cut asphalt	21d	0%	21d	11-Jun-14	10-Jul-14	14-Jul-14	17-Aug-14	5d	$0	$0
Pipe Installation		65d		65d	18-Jun-14	17-Sep-14	26-Jul-14	19-Oct-14	5d	$0	$493,117
SHT1330	Trench excavation ,Bedding ,install and backfill for 200 mm Dist. pipeline with length approx. (1861 LM)	22d	0%	22d	18-Jun-14	23-Jul-14	26-Jul-14	25-Aug-14	5d	$0	$235,939
SHT1335	Trench excavation ,Bedding ,install and backfill for 150 mm Dist. pipeline with length approx. (718 LM)	14d	0%	14d	23-Jul-14	14-Aug-14	25-Aug-14	10-Sep-14	5d	$0	$82,030
SHT1340	Trench excavation ,Bedding ,install and backfill for 100 mm Dist. pipeline with length approx. (1644 LM)	20d	0%	20d	14-Aug-14	07-Sep-14	10-Sep-14	04-Oct-14	5d	$0	$133,643
SHT1345	Trench excavation ,Bedding ,install and backfill for 75 mm Dist. pipeline with length approx. (535 LM) ,	9d	0%	9d	07-Sep-14	17-Sep-14	04-Oct-14	19-Oct-14	5d	$0	$41,506
Civil Chamber work		41d		41d	17-Sep-14	09-Nov-14	19-Oct-14	08-Dec-14	5d	$0	$244,000
SHT1350	Construct Gate Valve	21d	0%	21d	17-Sep-14	16-Oct-14	19-Oct-14	12-Nov-14	5d	$0	$107,000
SHT1355	Construct Washout Valve	21d	0%	21d	29-Sep-14	28-Oct-14	30-Oct-14	25-Nov-14	5d	$0	$56,000
SHT1360	Construct Air Valve	21d	0%	21d	15-Oct-14	09-Nov-14	11-Nov-14	08-Dec-14	5d	$0	$81,000
Testing		85d		85d	23-Aug-14	13-Nov-14	20-Sep-14	14-Dec-14	23d	$0	$0
SHT1365	Radiographic Testing (RT)	1d	0%	1d	23-Aug-14	30-Aug-14	20-Sep-14	20-Sep-14	4d	$0	$0
SHT1370	Pressure Testing	4d	0%	4d	09-Nov-14	13-Nov-14	08-Dec-14	14-Dec-14	16d	$0	$0
Asphalt		6d		6d	13-Nov-14	22-Nov-14	14-Dec-14	22-Dec-14	16d	$0	$27,300
SHT1375	Milling	1d	0%	1d	13-Nov-14	15-Nov-14	14-Dec-14	15-Dec-14	16d	$0	$4,500
SHT1380	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	5d	0%	5d	15-Nov-14	22-Nov-14	15-Dec-14	22-Dec-14	16d	$0	$22,800
Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980		357d		343d	13-May-14	10-Mar-15	26-Feb-14 A	10-Mar-15	10d	$7,200	$4,973,343
SHT1097	Start Implement traffic control Phase Three	5d	100%	0d	13-May-14	18-May-14	26-Feb-14 A	27-Feb-14 A		$0	$0
Main pipelines & (Reconstruction Agricultural road) From Sta.0+000 to Sta.0+630		170d		156d	19-May-14	04-Sep-14	02-Mar-14 A	04-Sep-14	43d	$2,800	$425,057
Safety and Excavation Works		131d		120d	19-May-14	04-Sep-14	02-Mar-14 A	04-Sep-14	33d	$2,800	$6,360
SHT1506	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	131d	10%	120d	19-May-14	04-Sep-14	02-Mar-14 A	04-Sep-14	33d	$0	$0
SHT1507	Road excavation and backfilling to the required sub grade levels	20d	90%	2d	19-May-14	11-Jun-14	03-Mar-14 A	02-Apr-14	47d	$2,800	$6,360
Pipe Installation		75d		65d	27-May-14	17-Jun-14	25-Mar-14 A	17-Jun-14	27d	$0	$312,961



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

Date	Revision	Checked	Approved
03-Apr-14			

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Deir Sha'aar Main Pipeline Project

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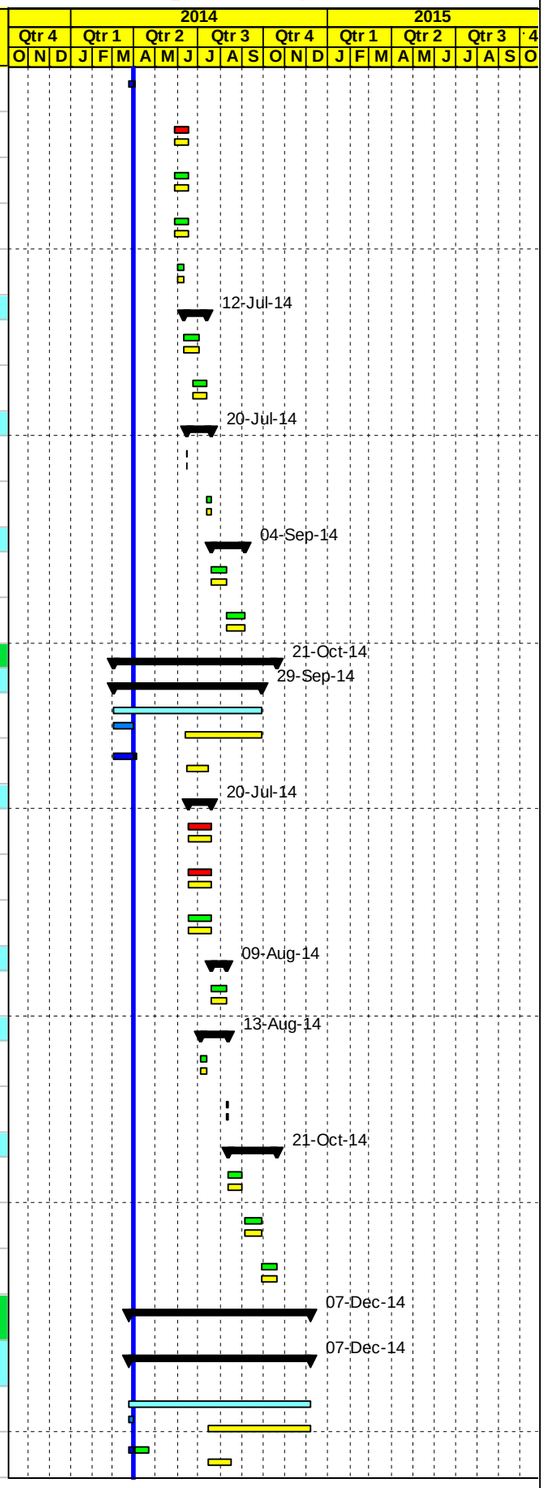
SHT1507-new	Digging	10d	80%	2d			25-Mar-14 A	02-Apr-14	45d	$0	$0
SHT1508	Trench excavation for 760 mm main pipeline from 0+00 to sta.0+630 with length approx. (630 LM)	18d	0%	18d	27-May-14	17-Jun-14	27-May-14	17-Jun-14	0d	$0	$17,668
SHT1510	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	18d	0%	18d	27-May-14	17-Jun-14	27-May-14	17-Jun-14	1d	$0	$275,732
SHT1520	Backfill the pipe trench with approved materials to the required level	18d	0%	18d	27-May-14	17-Jun-14	27-May-14	17-Jun-14	1d	$0	$19,561
SHT1530	temporary construction by pass 300 mm steel pipe @sta.0+180 and 0+400	8d	0%	8d	01-Jun-14	10-Jun-14	01-Jun-14	10-Jun-14	33d	$0	$0
Civil Chamber work		23d		23d	10-Jun-14	12-Jul-14	10-Jun-14	12-Jul-14	33d	$0	$72,000
SHT1540	Construct Main Connection chamber @ Sta.0+000	17d	0%	17d	10-Jun-14	01-Jul-14	10-Jun-14	01-Jul-14	33d	$0	$0
SHT1550	Construct - 250 Wash out Valve chamber @ Sta.0+620	11d	0%	11d	24-Jun-14	12-Jul-14	24-Jun-14	12-Jul-14	33d	$0	$72,000
Testing		36d		36d	14-Jun-14	20-Jul-14	14-Jun-14	20-Jul-14	45d	$0	$0
SHT1553	Radiographic Testing (RT)	1d	0%	1d	14-Jun-14	14-Jun-14	14-Jun-14	14-Jun-14	0d	$0	$0
SHT1555	Pressure Testing	4d	0%	4d	13-Jul-14	20-Jul-14	13-Jul-14	20-Jul-14	33d	$0	$0
Base course & Stone Wall		34d		34d	20-Jul-14	04-Sep-14	20-Jul-14	04-Sep-14	33d	$0	$33,737
SHT1560	Final Finish Sub grade & 20 cm base course layer from Sta.0+00 to 0+630	13d	0%	13d	20-Jul-14	11-Aug-14	20-Jul-14	11-Aug-14	33d	$0	$24,962
SHT1564	Stone Wall LHS	21d	0%	21d	11-Aug-14	04-Sep-14	11-Aug-14	04-Sep-14	33d	$0	$8,775
Main pipelines & (Reconstruction Agricultural road) From Sta.0+630 to Sta.1+400		205d		203d	12-Jun-14	21-Oct-14	02-Mar-14 A	21-Oct-14	40d	$2,800	$449,028
Safety and Excavation Works		143d		141d	12-Jun-14	29-Sep-14	02-Mar-14 A	29-Sep-14	33d	$2,800	$6,672
SHT1570	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	140d	10%	141d	12-Jun-14	29-Sep-14	02-Mar-14 A	29-Sep-14	33d	$0	$0
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	90%	2d	14-Jun-14	14-Jul-14	03-Mar-14 A	03-Apr-14	65d	$2,800	$6,672
Pipe Installation		21d		21d	17-Jun-14	20-Jul-14	17-Jun-14	20-Jul-14	1d	$0	$383,322
SHT1590	Trench excavation for 760 mm main pipeline from 0+630 to sta.1+400 with length approx. (770 LM)	21d	0%	21d	17-Jun-14	20-Jul-14	17-Jun-14	20-Jul-14	0d	$0	$21,644
SHT1600	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	0%	21d	17-Jun-14	20-Jul-14	17-Jun-14	20-Jul-14	0d	$0	$337,715
SHT1610	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	17-Jun-14	20-Jul-14	17-Jun-14	20-Jul-14	1d	$0	$23,963
Civil Chamber work		11d		11d	20-Jul-14	09-Aug-14	20-Jul-14	09-Aug-14	48d	$0	$16,000
SHT1620	Construct - 150 AR/AV Valve chamber @ Sta.0+760	11d	0%	11d	20-Jul-14	09-Aug-14	20-Jul-14	09-Aug-14	48d	$0	$16,000
Testing		39d		39d	05-Jul-14	13-Aug-14	05-Jul-14	13-Aug-14	61d	$0	$0
SHT1623	Radiographic Testing (RT)	1d	0%	1d	05-Jul-14	12-Jul-14	05-Jul-14	12-Jul-14	1d	$0	$0
SHT1625	Pressure Testing	4d	0%	4d	09-Aug-14	13-Aug-14	09-Aug-14	13-Aug-14	48d	$0	$0
Base course & Stone Wall		55d		55d	13-Aug-14	21-Oct-14	13-Aug-14	21-Oct-14	33d	$0	$43,035
SHT1630	Final Finish Sub grade & 20 cm base course layer from Sta.0+630 to 1+400	16d	0%	16d	13-Aug-14	01-Sep-14	13-Aug-14	01-Sep-14	48d	$0	$27,735
SHT1633	Stone Wall LHS	21d	0%	21d	04-Sep-14	29-Sep-14	04-Sep-14	29-Sep-14	33d	$0	$10,350
SHT1635	Stone Wall RHS	15d	0%	15d	29-Sep-14	21-Oct-14	29-Sep-14	21-Oct-14	33d	$0	$4,950
Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200		259d		250d	14-Jul-14	07-Dec-14	24-Mar-14 A	07-Dec-14	46d	$1,600	$620,294
Safety , Excavation Works and Pipe Culvert		202d		194d	14-Jul-14	07-Dec-14	24-Mar-14 A	07-Dec-14	33d	$1,600	$17,065
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	3%	194d	14-Jul-14	07-Dec-14	24-Mar-14 A	07-Dec-14	33d	$0	$0
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	15%	17d	14-Jul-14	16-Aug-14	25-Mar-14 A	21-Apr-14	26d	$1,600	$10,600



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
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Summary

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Deir Sha'aar Main Pipeline Project

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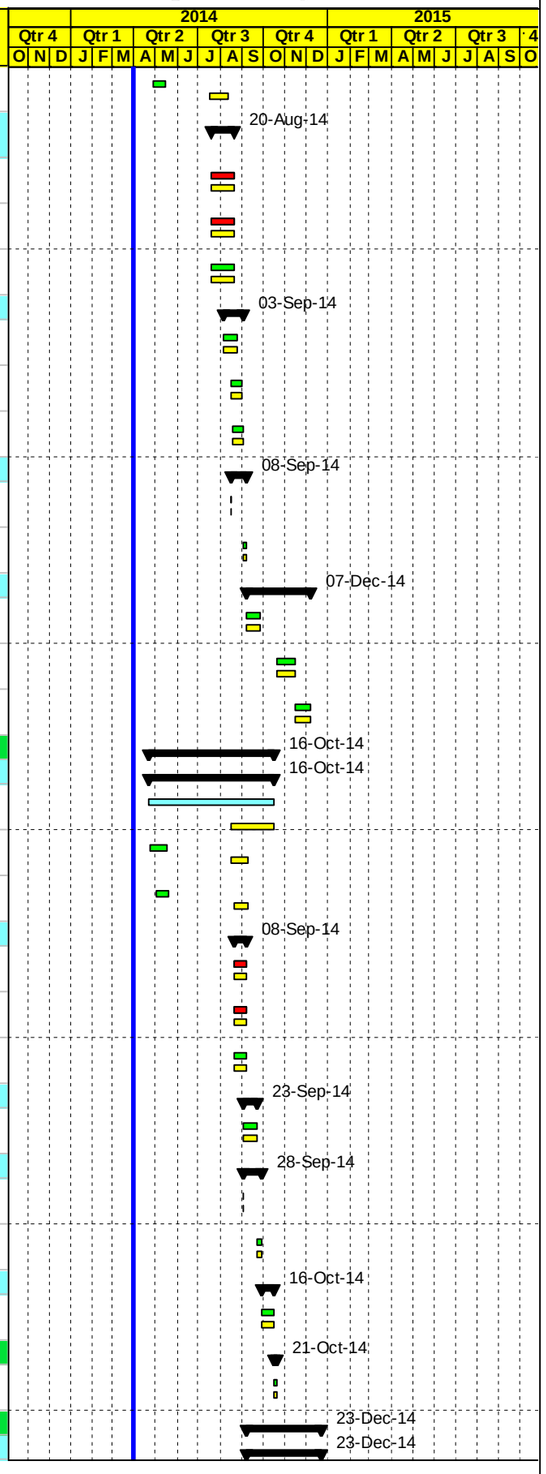
SHT1660	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	16d	0%	16d	17-Jul-14	13-Aug-14	27-Apr-14	15-May-14	152d	$0	$6,465
Pipe Installation		21d		21d	20-Jul-14	20-Aug-14	20-Jul-14	20-Aug-14	1d	$0	$398,187
SHT1670	Trench excavation for 760 mm main pipeline from 1+400 to sta.2+200 with length approx. (800 LM)	21d	0%	21d	20-Jul-14	20-Aug-14	20-Jul-14	20-Aug-14	0d	$0	$22,484
SHT1680	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	0%	21d	20-Jul-14	20-Aug-14	20-Jul-14	20-Aug-14	0d	$0	$350,810
SHT1690	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	20-Jul-14	20-Aug-14	20-Jul-14	20-Aug-14	1d	$0	$24,893
Civil Chamber work		24d		24d	06-Aug-14	03-Sep-14	06-Aug-14	03-Sep-14	66d	$0	$154,000
SHT1700	Construct - 250 Wash out Valve chamber @ Sta.1+520	17d	0%	17d	06-Aug-14	26-Aug-14	06-Aug-14	26-Aug-14	66d	$0	$72,000
SHT1710	Construct - 150 AR/AV Valve chamber @ Sta. 1+920	13d	0%	13d	16-Aug-14	31-Aug-14	16-Aug-14	31-Aug-14	66d	$0	$16,000
SHT1720	Construct -Al Arrub Connection chamber @ Sta.2+065 LHS	13d	0%	13d	19-Aug-14	03-Sep-14	19-Aug-14	03-Sep-14	66d	$0	$66,000
Testing		23d		23d	16-Aug-14	08-Sep-14	16-Aug-14	08-Sep-14	83d	$0	$0
SHT1724	Radiographic Testing (RT)	1d	0%	1d	16-Aug-14	16-Aug-14	16-Aug-14	16-Aug-14	0d	$0	$0
SHT1725	Pressure Testing	4d	0%	4d	03-Sep-14	08-Sep-14	03-Sep-14	08-Sep-14	66d	$0	$0
Base course & Stone Wall		71d		71d	08-Sep-14	07-Dec-14	08-Sep-14	07-Dec-14	33d	$0	$51,042
SHT1730	Final Finish Sub grade & 20 cm base course layer from 1+400 to 2+200	16d	0%	16d	08-Sep-14	27-Sep-14	08-Sep-14	27-Sep-14	66d	$0	$31,692
SHT1733	Stone Wall LHS	21d	0%	21d	21-Oct-14	15-Nov-14	21-Oct-14	15-Nov-14	33d	$0	$11,700
SHT1734	Stone Wall RHS	17d	0%	17d	15-Nov-14	07-Dec-14	15-Nov-14	07-Dec-14	33d	$0	$7,650
Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780		177d		177d	16-Aug-14	16-Oct-14	22-Apr-14	16-Oct-14	139d	$0	$458,850
Safety , Excavation Works and Pipe Culvert		135d		135d	16-Aug-14	16-Oct-14	22-Apr-14	16-Oct-14	107d	$0	$7,021
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	135d	0%	135d	16-Aug-14	16-Oct-14	22-Apr-14	16-Oct-14	107d	$0	$0
SHT1750	Road excavation and backfilling to the required sub grade levels	21d	0%	21d	17-Aug-14	10-Sep-14	23-Apr-14	18-May-14	26d	$0	$3,712
SHT1760	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 2+230 with L=8.5m	16d	0%	16d	21-Aug-14	09-Sep-14	03-May-14	20-May-14	216d	$0	$3,309
Pipe Installation		16d		16d	20-Aug-14	08-Sep-14	20-Aug-14	08-Sep-14	1d	$0	$288,681
SHT1770	Trench excavation for 760 mm main pipeline from 2+200 to sta.2+780 with length approx. (580 LM)	16d	0%	16d	20-Aug-14	08-Sep-14	20-Aug-14	08-Sep-14	0d	$0	$16,296
SHT1780	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	16d	0%	16d	20-Aug-14	08-Sep-14	20-Aug-14	08-Sep-14	0d	$0	$254,343
SHT1790	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	20-Aug-14	08-Sep-14	20-Aug-14	08-Sep-14	1d	$0	$18,042
Civil Chamber work		17d		17d	03-Sep-14	23-Sep-14	03-Sep-14	23-Sep-14	107d	$0	$144,000
SHT1800	Construct - 250 Wash out Valve chamber @ Sta. 2+220 and 2+780	17d	0%	17d	03-Sep-14	23-Sep-14	03-Sep-14	23-Sep-14	107d	$0	$144,000
Testing		26d		26d	02-Sep-14	28-Sep-14	02-Sep-14	28-Sep-14	143d	$0	$0
SHT1803	Radiographic Testing (RT)	1d	0%	1d	02-Sep-14	03-Sep-14	02-Sep-14	03-Sep-14	5d	$0	$0
SHT1805	Pressure Testing	4d	0%	4d	23-Sep-14	28-Sep-14	23-Sep-14	28-Sep-14	107d	$0	$0
Basecourse		12d		12d	28-Sep-14	16-Oct-14	28-Sep-14	16-Oct-14	107d	$0	$19,148
SHT1810	Final Finish Sub grade & 20 cm base course layer from 2+200 to 2+780	12d	0%	12d	28-Sep-14	16-Oct-14	28-Sep-14	16-Oct-14	107d	$0	$19,148
Asphalt Works From Sta.0+000 to Sta.2+780		4d		4d	16-Oct-14	21-Oct-14	16-Oct-14	21-Oct-14	107d	$0	$114,247
SHT1820	5 cm asphalt wearing course including prime coat from sta. 0+105 to 0+630 and from 1+080 to 2+210	4d	0%	4d	16-Oct-14	21-Oct-14	16-Oct-14	21-Oct-14	107d	$0	$114,247
Main pipelines & (Milling & over lay 11m width existing asphalt Road) St. 2+780 to 3+030		106d		106d	08-Sep-14	23-Dec-14	08-Sep-14	23-Dec-14	79d	$0	$234,243
Safety , Millings and Pipe Culvert		83d		83d	08-Sep-14	23-Dec-14	08-Sep-14	23-Dec-14	59d	$0	$6,465



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

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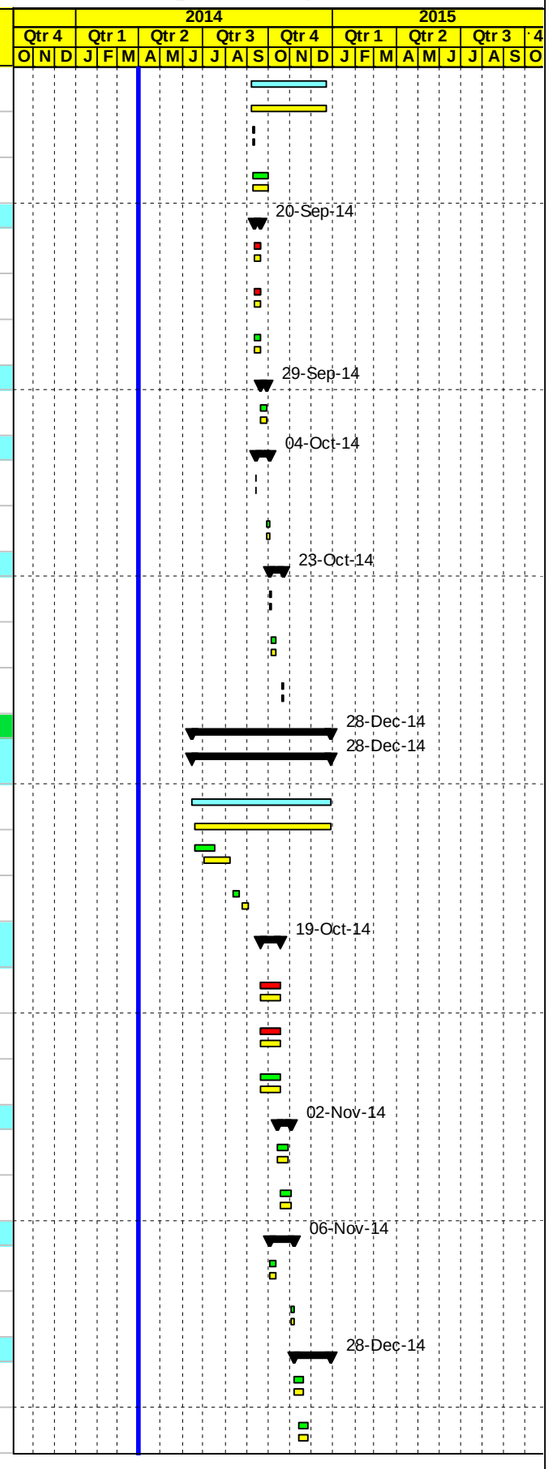
SHT1830	Maintain traffic control and safety plan ,coordination with local authorities and all other parties	83d	0%	83d	08-Sep-14	23-Dec-14	08-Sep-14	23-Dec-14	59d	$0	$0
SHT1840	Saw cut asphalt	2d	0%	2d	09-Sep-14	11-Sep-14	09-Sep-14	11-Sep-14	0d	$0	$0
SHT1890	new 1000 mm precast pipe culvert including inlet and outlet @ Sta.2+860 with L=14.0 m	18d	0%	18d	10-Sep-14	01-Oct-14	10-Sep-14	01-Oct-14	117d	$0	$6,465
Pipe Installation		7d		7d	11-Sep-14	20-Sep-14	11-Sep-14	20-Sep-14	58d	$0	$157,866
SHT1850	Trench excavation for 760 mm main pipeline and 200mm dist. Pipeline with length approx. (250 LM)	7d	0%	7d	11-Sep-14	20-Sep-14	11-Sep-14	20-Sep-14	0d	$0	$11,613
SHT1860	Bedding layer & install the above main & dist. Steel pipeline with required welding inspection & sectional testing (UT)	7d	0%	7d	11-Sep-14	20-Sep-14	11-Sep-14	20-Sep-14	0d	$0	$134,621
SHT1870	Backfill the pipe trench with approved materials to the required level including 20 cm base course	7d	0%	7d	11-Sep-14	20-Sep-14	11-Sep-14	20-Sep-14	58d	$0	$11,632
Civil Chamber work		8d		8d	20-Sep-14	29-Sep-14	20-Sep-14	29-Sep-14	114d	$0	$16,000
SHT1880	Construct - Washout chamber @ Sta.2+860	8d	0%	8d	20-Sep-14	29-Sep-14	20-Sep-14	29-Sep-14	114d	$0	$16,000
Testing		21d		21d	13-Sep-14	04-Oct-14	13-Sep-14	04-Oct-14	151d	$0	$0
SHT1883	Radiographic Testing (RT)	1d	0%	1d	13-Sep-14	13-Sep-14	13-Sep-14	13-Sep-14	11d	$0	$0
SHT1885	Pressure Testing	4d	0%	4d	29-Sep-14	04-Oct-14	29-Sep-14	04-Oct-14	114d	$0	$0
Asphalt		13d		13d	04-Oct-14	23-Oct-14	04-Oct-14	23-Oct-14	107d	$0	$53,912
SHT1887	Milling	1d	0%	1d	04-Oct-14	05-Oct-14	04-Oct-14	05-Oct-14	114d	$0	$7,350
SHT1900	Asphalt Reinstament over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	05-Oct-14	12-Oct-14	05-Oct-14	12-Oct-14	114d	$0	$2,432
SHT1910	5 cm asphalt wearing course including tack coat	2d	0%	2d	21-Oct-14	23-Oct-14	21-Oct-14	23-Oct-14	107d	$0	$44,130
Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+		196d		196d	18-Jun-14	28-Dec-14	15-Jun-14	28-Dec-14	77d	$0	$788,593
Safety and Excavation Works, Stone Boulder and Concrete Wall		146d		146d	18-Jun-14	28-Dec-14	15-Jun-14	28-Dec-14	59d	$0	$40,186
SHT1930	Maintain traffic control &safety plan to include local access to residance ,all corrdination & relocate utilities	146d	0%	146d	18-Jun-14	28-Dec-14	15-Jun-14	28-Dec-14	59d	$0	$0
SHT1950	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	20d	0%	20d	01-Jul-14	07-Aug-14	18-Jun-14	17-Jul-14	26d	$0	$27,536
SHT1960	Concrete Gravity wall from sta. 3+525 to 3+540 RHS total length (15 LM)	7d	0%	7d	25-Aug-14	02-Sep-14	12-Aug-14	20-Aug-14	26d	$0	$12,650
Pipe Installation		21d		21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	51d	$0	$472,871
SHT1970	Trench excavation for 760 mm main and 200 mm dist. Pipelines with length approx. (750 LM)	21d	0%	21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	0d	$0	$34,822
SHT1980	Bedding layer & install the above main&dist.Steel pipeline including required welding inspection/sectional testing (UT)	21d	0%	21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	0d	$0	$403,167
SHT1990	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	51d	$0	$34,883
Civil Chamber work		16d		16d	14-Oct-14	02-Nov-14	14-Oct-14	02-Nov-14	51d	$0	$127,000
SHT2000	Construct - 150 AR/AV Valve chamber @ Sta.3+280 and 3+720	13d	0%	13d	14-Oct-14	29-Oct-14	14-Oct-14	29-Oct-14	51d	$0	$32,000
SHT2010	Construct -Beit Ummar Connection chamber @ Sta.3+480 RHS	13d	0%	13d	18-Oct-14	02-Nov-14	18-Oct-14	02-Nov-14	51d	$0	$95,000
Testing		33d		33d	04-Oct-14	06-Nov-14	04-Oct-14	06-Nov-14	69d	$0	$0
SHT2013	Radiographic Testing (RT)	1d	0%	1d	04-Oct-14	11-Oct-14	04-Oct-14	11-Oct-14	11d	$0	$0
SHT2015	Pressure Testing	4d	0%	4d	02-Nov-14	06-Nov-14	02-Nov-14	06-Nov-14	51d	$0	$0
Base course , Stone Wall and Asphalt		38d		38d	06-Nov-14	28-Dec-14	06-Nov-14	28-Dec-14	59d	$0	$148,536
SHT2020	Final Finish Sub grade & 15 cm base course first layer	11d	0%	11d	06-Nov-14	19-Nov-14	06-Nov-14	19-Nov-14	51d	$0	$28,298
SHT2030	15 cm base course second layer	10d	0%	10d	13-Nov-14	26-Nov-14	13-Nov-14	26-Nov-14	51d	$0	$24,317



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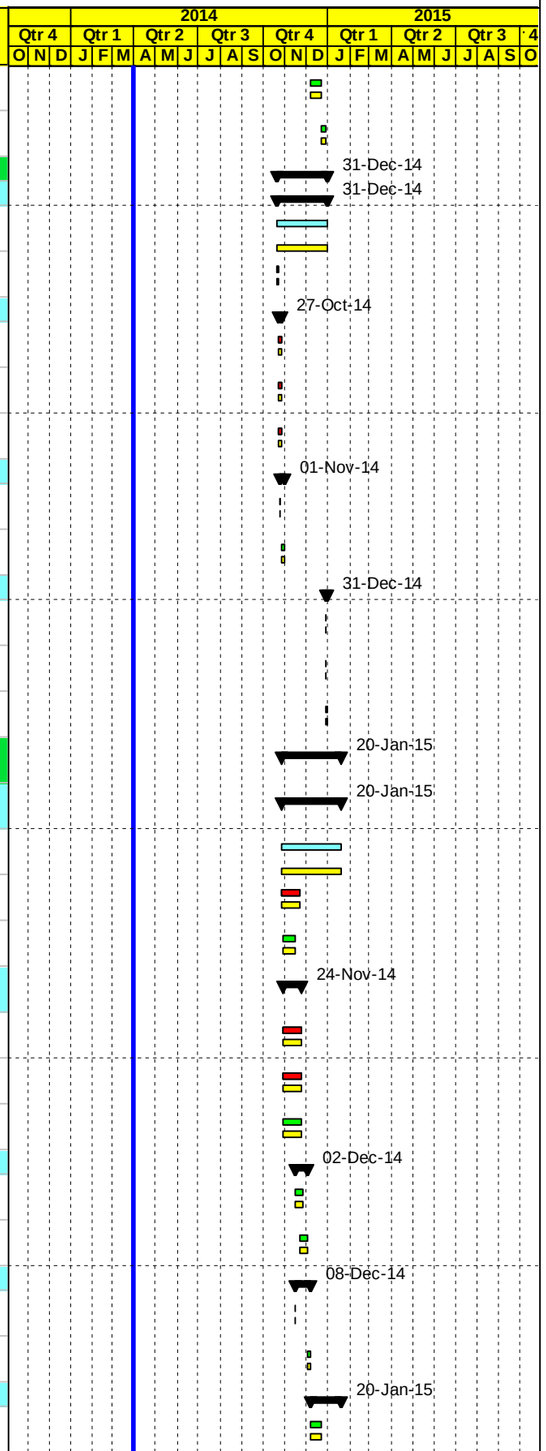
SHT2034	Stone Wall RHS	12d	0%	12d	07-Dec-14	23-Dec-14	07-Dec-14	23-Dec-14	33d	$0	$4,275
SHT2040	7 cm asphalt wearing course including prime coat	2d	0%	2d	23-Dec-14	28-Dec-14	23-Dec-14	28-Dec-14	59d	$0	$91,646
Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+9		72d		72d	20-Oct-14	31-Dec-14	20-Oct-14	31-Dec-14	77d	$0	$90,679
Safety and Milling		56d		56d	20-Oct-14	31-Dec-14	20-Oct-14	31-Dec-14	59d	$0	$0
SHT2050	Maintain traffic control and safety plan ,coordination with local authorities and all others parties	56d	0%	56d	20-Oct-14	31-Dec-14	20-Oct-14	31-Dec-14	59d	$0	$0
SHT2060	Saw cut asphalt	1d	0%	1d	21-Oct-14	22-Oct-14	21-Oct-14	22-Oct-14	0d	$0	$0
Pipe Installation		4d		4d	22-Oct-14	27-Oct-14	22-Oct-14	27-Oct-14	0d	$0	$59,760
SHT2070	Trench excavation for 760 mm main pipeline with length approx. (120 LM) @ RHS	4d	0%	4d	22-Oct-14	27-Oct-14	22-Oct-14	27-Oct-14	0d	$0	$3,360
SHT2080	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing @ RHS (UT)	4d	0%	4d	22-Oct-14	27-Oct-14	22-Oct-14	27-Oct-14	0d	$0	$52,680
SHT2090	Backfill the pipe trench with approved materials to the required level including 20 cm base course @ RHS	4d	0%	4d	22-Oct-14	27-Oct-14	22-Oct-14	27-Oct-14	0d	$0	$3,720
Testing		7d		7d	25-Oct-14	01-Nov-14	25-Oct-14	01-Nov-14	134d	$0	$0
SHT2094	Radiographic Testing (RT)	1d	0%	1d	25-Oct-14	25-Oct-14	25-Oct-14	25-Oct-14	0d	$0	$0
SHT2095	Pressure Testing	4d	0%	4d	27-Oct-14	01-Nov-14	27-Oct-14	01-Nov-14	102d	$0	$0
Asphalt		3d		3d	28-Dec-14	31-Dec-14	28-Dec-14	31-Dec-14	59d	$0	$30,919
SHT2097	Milling	1d	0%	1d	28-Dec-14	29-Dec-14	28-Dec-14	29-Dec-14	59d	$0	$5,700
SHT2100	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	1d	0%	1d	29-Dec-14	30-Dec-14	29-Dec-14	30-Dec-14	59d	$0	$1,140
SHT2110	5 cm asphalt wearing course including tack coat	1d	0%	1d	30-Dec-14	31-Dec-14	30-Dec-14	31-Dec-14	59d	$0	$24,079
Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4		85d		85d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	59d	$0	$622,491
Safety , Excavation Works and Pipe Culvert		64d		64d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	47d	$0	$25,140
SHT2120	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	64d	0%	64d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	47d	$0	$0
SHT2130	Remove exist asphalt or Road excavation and backfilling to the required subgrade level	21d	0%	21d	27-Oct-14	22-Nov-14	27-Oct-14	22-Nov-14	0d	$0	$19,928
SHT2170	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 4+610 with L=9.0 m	15d	0%	15d	29-Oct-14	16-Nov-14	29-Oct-14	16-Nov-14	65d	$0	$5,212
Pipe Installation		21d		21d	29-Oct-14	24-Nov-14	29-Oct-14	24-Nov-14	42d	$0	$428,545
SHT2140	Trench excavation for 760 mm main and 100 mm dist. Pipelines with length approx. (740 LM)	21d	0%	21d	29-Oct-14	24-Nov-14	29-Oct-14	24-Nov-14	0d	$0	$31,904
SHT2150	Bedding layer & install the above main & dist.Steel pipeline including required welding inspection/sectional testing(UT)	21d	0%	21d	29-Oct-14	24-Nov-14	29-Oct-14	24-Nov-14	0d	$0	$364,728
SHT2160	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	29-Oct-14	24-Nov-14	29-Oct-14	24-Nov-14	42d	$0	$31,913
Civil Chamber work		13d		13d	16-Nov-14	02-Dec-14	16-Nov-14	02-Dec-14	42d	$0	$72,000
SHT2180	Construct - 250 AR/AV Valve chamber @ Sta.4+080	8d	0%	8d	16-Nov-14	26-Nov-14	16-Nov-14	26-Nov-14	42d	$0	$0
SHT2190	Construct - 250 Wash out Valve chamber @ Sta.4+600	8d	0%	8d	23-Nov-14	02-Dec-14	23-Nov-14	02-Dec-14	42d	$0	$72,000
Testing		23d		23d	15-Nov-14	08-Dec-14	15-Nov-14	08-Dec-14	59d	$0	$0
SHT2193	Radiographic Testing (RT)	1d	0%	1d	15-Nov-14	15-Nov-14	15-Nov-14	15-Nov-14	9d	$0	$0
SHT2195	Pressure Testing	4d	0%	4d	02-Dec-14	08-Dec-14	02-Dec-14	08-Dec-14	42d	$0	$0
Base course Stone Wall and Asphalt		30d		30d	08-Dec-14	20-Jan-15	08-Dec-14	20-Jan-15	47d	$0	$96,806
SHT2200	Final Finish Sub grade & 20 cm base course layer	11d	0%	11d	08-Dec-14	23-Dec-14	08-Dec-14	23-Dec-14	42d	$0	$32,355



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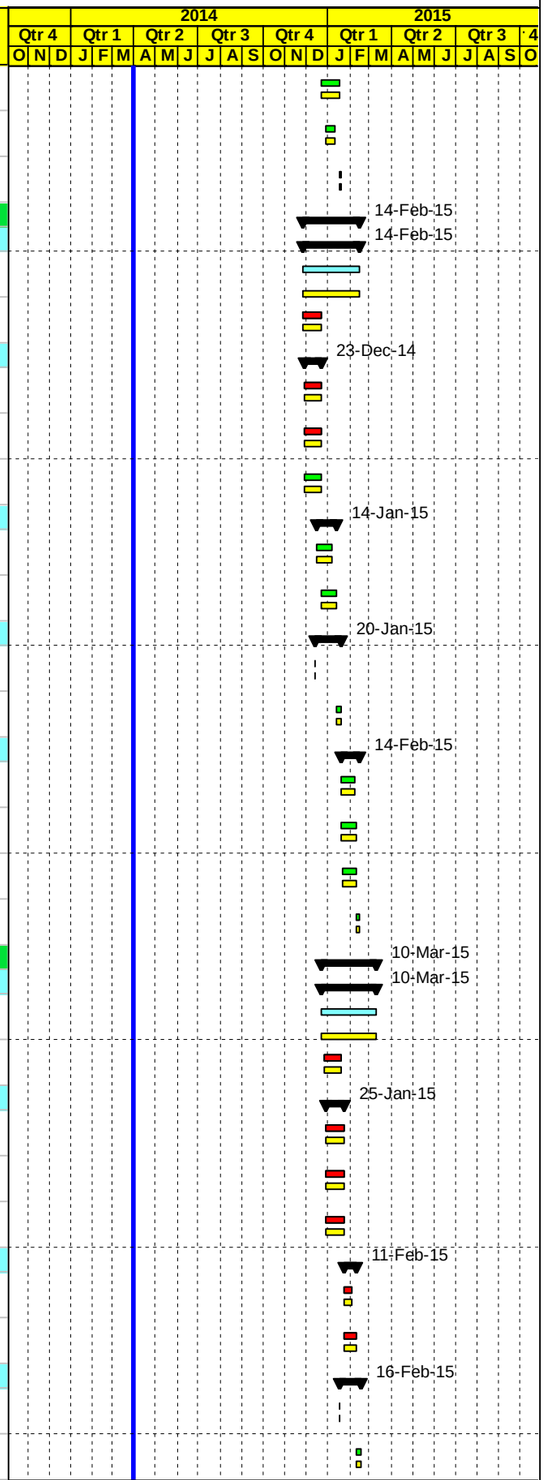
SHT2202	Stone Wall RHS	17d	0%	17d	23-Dec-14	18-Jan-15	23-Dec-14	18-Jan-15	33d	$0	$7,875
SHT2205	Stone Wall LHS	10d	0%	10d	29-Dec-14	12-Jan-15	29-Dec-14	12-Jan-15	33d	$0	$5,400
SHT2210	5 cm asphalt wearing course including prime coat	2d	0%	2d	18-Jan-15	20-Jan-15	18-Jan-15	20-Jan-15	47d	$0	$51,176
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+(		80d		80d	26-Nov-14	14-Feb-15	26-Nov-14	14-Feb-15	32d	$0	$637,859
Safety , Excavation Works and Pipe Culvert		57d		57d	26-Nov-14	14-Feb-15	26-Nov-14	14-Feb-15	27d	$0	$15,664
SHT2220	Maintain traffic control plan including road grading and widening ,coordination with local and all parties	57d	0%	57d	26-Nov-14	14-Feb-15	26-Nov-14	14-Feb-15	27d	$0	$0
SHT2230	Road excavation and backfilling to the required subgrade level	18d	0%	18d	27-Nov-14	22-Dec-14	27-Nov-14	22-Dec-14	0d	$0	$15,664
Pipe Installation		18d		18d	29-Nov-14	23-Dec-14	29-Nov-14	23-Dec-14	4d	$0	$328,321
SHT2240	Trench excavation for 760 mm main Pipeline with length approx. (660 LM)	18d	0%	18d	29-Nov-14	23-Dec-14	29-Nov-14	23-Dec-14	0d	$0	$18,536
SHT2250	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	18d	0%	18d	29-Nov-14	23-Dec-14	29-Nov-14	23-Dec-14	0d	$0	$289,263
SHT2260	Backfill the pipe trench with approved materials to the required level	18d	0%	18d	29-Nov-14	23-Dec-14	29-Nov-14	23-Dec-14	4d	$0	$20,522
Chamber work		19d		19d	17-Dec-14	14-Jan-15	17-Dec-14	14-Jan-15	21d	$0	$206,000
SHT2270	Construct -AR/AV Valve chamber @ Sta.5+020	13d	0%	13d	17-Dec-14	06-Jan-15	17-Dec-14	06-Jan-15	21d	$0	$16,000
SHT2280	Construct -Beit Ummar Flow Monitoring chamber @ Sta 4+640	15d	0%	15d	23-Dec-14	14-Jan-15	23-Dec-14	14-Jan-15	21d	$0	$190,000
Testing		38d		38d	13-Dec-14	20-Jan-15	13-Dec-14	20-Jan-15	28d	$0	$0
SHT2283	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	13-Dec-14	13-Dec-14	13-Dec-14	2d	$0	$0
SHT2285	Pressure Testing	4d	0%	4d	14-Jan-15	20-Jan-15	14-Jan-15	20-Jan-15	21d	$0	$0
Base course , Stone Wall and Asphalt		18d		18d	20-Jan-15	14-Feb-15	20-Jan-15	14-Feb-15	27d	$0	$87,874
SHT2300	Final Finish Sub grade & 20 cm base course layer	13d	0%	13d	20-Jan-15	08-Feb-15	20-Jan-15	08-Feb-15	21d	$0	$28,722
SHT2305	Stone Wall RHS	15d	0%	15d	20-Jan-15	10-Feb-15	20-Jan-15	10-Feb-15	27d	$0	$6,750
SHT2308	Stone Wall LHS	15d	0%	15d	21-Jan-15	11-Feb-15	21-Jan-15	11-Feb-15	27d	$0	$7,200
SHT2310	5 cm asphalt wearing course including prime coat	2d	0%	2d	11-Feb-15	14-Feb-15	11-Feb-15	14-Feb-15	27d	$0	$45,202
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+3		77d		77d	23-Dec-14	10-Mar-15	23-Dec-14	10-Mar-15	10d	$0	$532,003
Safety and Excavation Works		57d		57d	23-Dec-14	10-Mar-15	23-Dec-14	10-Mar-15	9d	$0	$12,480
SHT2320	Maintain traffic control plan including road grading and widening ,coordination with local and all parties	57d	0%	57d	23-Dec-14	10-Mar-15	23-Dec-14	10-Mar-15	9d	$0	$0
SHT2330	Road excavation and backfilling to the required subgrade level	18d	0%	18d	27-Dec-14	20-Jan-15	27-Dec-14	20-Jan-15	0d	$0	$12,480
Pipe Installation		18d		18d	30-Dec-14	25-Jan-15	30-Dec-14	25-Jan-15	0d	$0	$338,231
SHT2340	Trench excavation for 760 mm main Pipeline with length approx. (680 LM)	18d	0%	18d	30-Dec-14	25-Jan-15	30-Dec-14	25-Jan-15	0d	$0	$19,096
SHT2350	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	18d	0%	18d	30-Dec-14	25-Jan-15	30-Dec-14	25-Jan-15	0d	$0	$297,993
SHT2360	Backfill the pipe trench with approved materials to the required level	18d	0%	18d	30-Dec-14	25-Jan-15	30-Dec-14	25-Jan-15	0d	$0	$21,142
Civil Chamber work		13d		13d	25-Jan-15	11-Feb-15	25-Jan-15	11-Feb-15	0d	$0	$88,000
SHT2370	Construct - 250 Wash out Valve chamber @ Sta.5+900	8d	0%	8d	25-Jan-15	04-Feb-15	25-Jan-15	04-Feb-15	0d	$0	$72,000
SHT2380	Construct -AR/AV Valve chamber @ Sta.5+580	13d	0%	13d	25-Jan-15	11-Feb-15	25-Jan-15	11-Feb-15	0d	$0	$16,000
Testing		30d		30d	17-Jan-15	16-Feb-15	17-Jan-15	16-Feb-15	16d	$0	$0
SHT2383	Radiographic Testing (RT)	1d	0%	1d	17-Jan-15	17-Jan-15	17-Jan-15	17-Jan-15	1d	$0	$0
SHT2385	Pressure Testing	4d	0%	4d	11-Feb-15	16-Feb-15	11-Feb-15	16-Feb-15	14d	$0	$0



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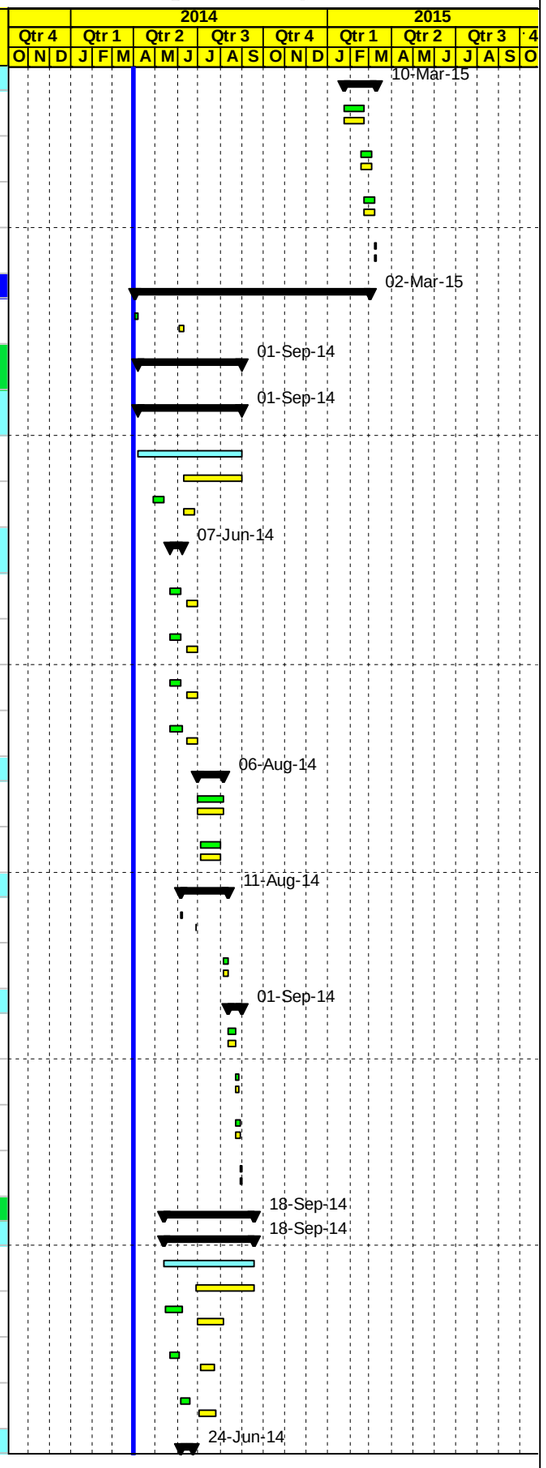
Base course , Stone Wall and Asphalt		35d		35d	25-Jan-15	10-Mar-15	25-Jan-15	10-Mar-15	9d	$0	$93,292
SHT2386	Stone Wall RHS	21d	0%	21d	25-Jan-15	21-Feb-15	25-Jan-15	21-Feb-15	9d	$0	$11,250
SHT2390	Final Finish Sub grade & 20 cm base course layer	13d	0%	13d	17-Feb-15	04-Mar-15	17-Feb-15	04-Mar-15	13d	$0	$29,713
SHT2388	Stone Wall LHS	12d	0%	12d	21-Feb-15	08-Mar-15	21-Feb-15	08-Mar-15	9d	$0	$5,400
SHT2400	5 cm asphalt wearing course including prime coat	2d	0%	2d	08-Mar-15	10-Mar-15	08-Mar-15	10-Mar-15	9d	$0	$46,928
Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980		335d		335d	04-Jun-14	26-Mar-15	01-Apr-14	02-Mar-15	44d	$0	$6,711,390
SHT2405	Implement traffic control Phase Four	5d	0%	5d	04-Jun-14	09-Jun-14	01-Apr-14	06-Apr-14	53d	$0	$0
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		147d		147d	10-Jun-14	01-Sep-14	07-Apr-14	01-Sep-14	159d	$0	$697,112
Safety and Excavation Works		112d		112d	10-Jun-14	01-Sep-14	07-Apr-14	01-Sep-14	120d	$0	$18,016
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	112d	0%	112d	10-Jun-14	01-Sep-14	07-Apr-14	01-Sep-14	120d	$0	$0
SHT2420	Road excavation and backfilling to the required subgrade level	14d	0%	14d	11-Jun-14	26-Jun-14	27-Apr-14	13-May-14	38d	$0	$18,016
Pipe Installation		14d		14d	15-Jun-14	30-Jun-14	22-May-14	07-Jun-14	20d	$0	$229,221
SHT2430	Trench excavation for 760 mm main Pipeline with length approx. (460 LM)	13d	0%	13d	15-Jun-14	30-Jun-14	22-May-14	05-Jun-14	21d	$0	$12,936
SHT2440	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	13d	0%	13d	15-Jun-14	30-Jun-14	22-May-14	05-Jun-14	21d	$0	$201,963
SHT2450	Concrete encasement for main pipeline from sta.11+460 to 11+000 length (460 LM)	13d	0%	13d	15-Jun-14	30-Jun-14	22-May-14	05-Jun-14	21d	$0	$0
SHT2460	Backfill the pipe trench with approved materials to the required level	13d	0%	13d	15-Jun-14	30-Jun-14	22-May-14	07-Jun-14	20d	$0	$14,322
Civil Chamber work		20d		20d	30-Jun-14	06-Aug-14	30-Jun-14	06-Aug-14	107d	$0	$353,000
SHT2470	Construct - Halhul reservoir connection chamber @ Sta.11+390	20d	0%	20d	30-Jun-14	06-Aug-14	30-Jun-14	06-Aug-14	107d	$0	$340,000
SHT2480	Construct - 150 AR/AV Valve chamber @ Sta.11+460	13d	0%	13d	05-Jul-14	02-Aug-14	05-Jul-14	02-Aug-14	111d	$0	$13,000
Testing		65d		65d	28-Jun-14	11-Aug-14	07-Jun-14	11-Aug-14	134d	$0	$0
SHT2482	Radiographic Testing (RT)	1d	0%	1d	28-Jun-14	28-Jun-14	07-Jun-14	07-Jun-14	3d	$0	$0
SHT2485	Pressure Testing	4d	0%	4d	06-Aug-14	11-Aug-14	06-Aug-14	11-Aug-14	107d	$0	$0
Base course , Stone Wall and Asphalt		18d		18d	11-Aug-14	01-Sep-14	11-Aug-14	01-Sep-14	120d	$0	$96,875
SHT2490	Final Finish Sub grade & 20 cm base course layer	11d	0%	11d	11-Aug-14	24-Aug-14	11-Aug-14	24-Aug-14	107d	$0	$20,140
SHT2495	Asphalt Reinstatements over pipe trench	4d	0%	4d	24-Aug-14	28-Aug-14	24-Aug-14	28-Aug-14	121d	$0	$38,912
SHT2497	Stone Wall RHS	5d	0%	5d	24-Aug-14	30-Aug-14	24-Aug-14	30-Aug-14	107d	$0	$5,400
SHT2500	5 cm asphalt wearing course including prime coat	2d	0%	2d	30-Aug-14	01-Sep-14	30-Aug-14	01-Sep-14	120d	$0	$32,423
Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460		127d		127d	28-Jun-14	18-Sep-14	14-May-14	18-Sep-14	144d	$0	$442,595
Safety , Excavation Works ,Pipe Culvert and concrete wall		97d		97d	28-Jun-14	18-Sep-14	14-May-14	18-Sep-14	107d	$0	$26,968
SHT2510	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	97d	0%	97d	28-Jun-14	18-Sep-14	14-May-14	18-Sep-14	107d	$0	$0
SHT2520	Road excavation and backfilling to the required subgrade level	21d	0%	21d	29-Jun-14	06-Aug-14	15-May-14	08-Jun-14	38d	$0	$8,336
SHT2540	concrete retaining wall from sta. 10+650 to 10+680 RHS	11d	0%	11d	03-Jul-14	23-Jul-14	22-May-14	03-Jun-14	165d	$0	$6,217
SHT2555	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 10+613 with L=7.0 m	13d	0%	13d	01-Jul-14	26-Jul-14	05-Jun-14	19-Jun-14	158d	$0	$12,415
Pipe Installation		17d		17d	01-Jul-14	02-Aug-14	05-Jun-14	24-Jun-14	20d	$0	$268,861



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

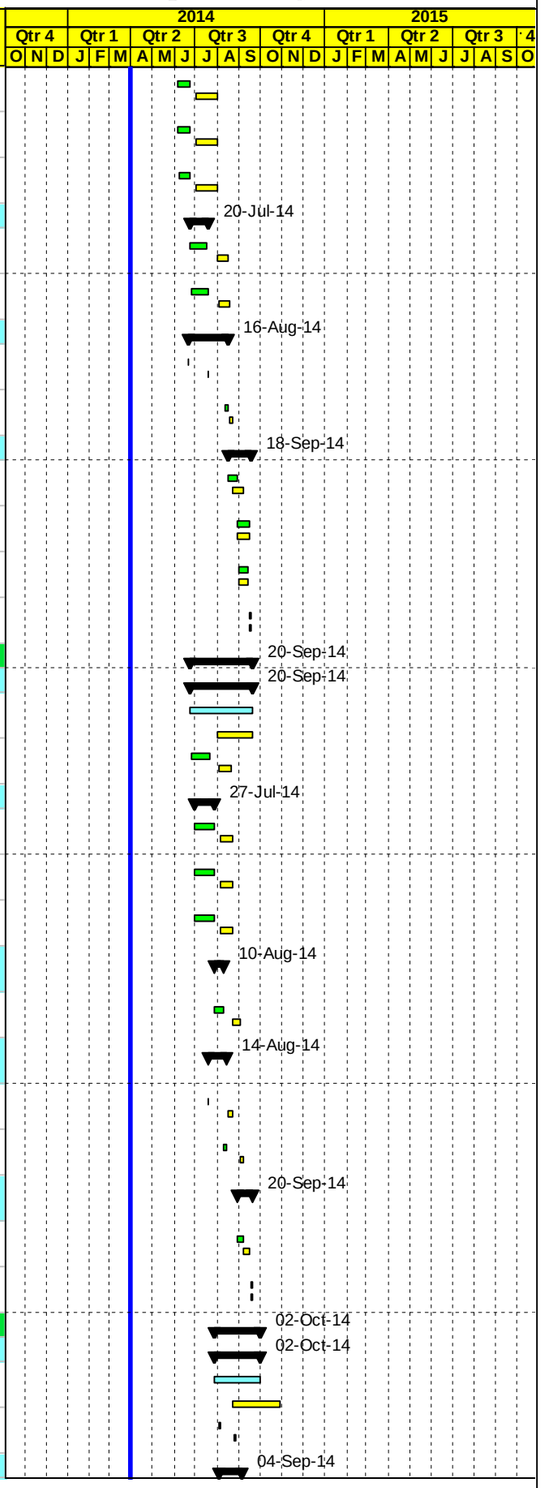
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT2530	Trench excavation for 760 mm main Pipeline with length approx. (540 LM)	15d	0%	15d	01-Jul-14	02-Aug-14	05-Jun-14	22-Jun-14	22d	$0	$15,176
SHT2550	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	15d	0%	15d	01-Jul-14	02-Aug-14	07-Jun-14	23-Jun-14	21d	$0	$236,883
SHT2560	Backfill the pipe trench with approved materials to the required level	15d	0%	15d	01-Jul-14	02-Aug-14	07-Jun-14	24-Jun-14	20d	$0	$16,802
Civil Chamber work		15d		15d	02-Aug-14	19-Aug-14	24-Jun-14	20-Jul-14	128d	$0	$74,000
SHT2570	Construct - 150 AR/AV Valve chamber @ Sta.10+900	13d	0%	13d	02-Aug-14	17-Aug-14	24-Jun-14	16-Jul-14	128d	$0	$13,000
SHT2580	Construct - 250 Wash out Valve chamber @ Sta.10+600	13d	0%	13d	04-Aug-14	19-Aug-14	26-Jun-14	20-Jul-14	128d	$0	$61,000
Testing		56d		56d	19-Jul-14	24-Aug-14	21-Jun-14	16-Aug-14	148d	$0	$0
SHT2583	Radiographic Testing (RT)	1d	0%	1d	19-Jul-14	19-Jul-14	21-Jun-14	21-Jun-14	5d	$0	$0
SHT2585	Pressure Testing	4d	0%	4d	19-Aug-14	24-Aug-14	11-Aug-14	16-Aug-14	115d	$0	$0
Base course , Stone Wall and Asphalt		29d		29d	24-Aug-14	18-Sep-14	16-Aug-14	18-Sep-14	107d	$0	$72,766
SHT2600	Final Finish Sub grade & 20 cm base course layer	12d	0%	12d	24-Aug-14	07-Sep-14	16-Aug-14	30-Aug-14	115d	$0	$23,773
SHT2601	Stone Wall RHS	15d	0%	15d	30-Aug-14	16-Sep-14	30-Aug-14	16-Sep-14	107d	$0	$6,750
SHT2604	Stone Wall LHS	10d	0%	10d	01-Sep-14	13-Sep-14	01-Sep-14	13-Sep-14	110d	$0	$4,725
SHT2610	5 cm asphalt wearing course including prime coat	2d	0%	2d	16-Sep-14	18-Sep-14	16-Sep-14	18-Sep-14	107d	$0	$37,518
Main pipelines & (Reconstruction 4m Exist. aspalt Road at residential area) St.10+460 to 9		87d		87d	02-Aug-14	20-Sep-14	24-Jun-14	20-Sep-14	143d	$0	$373,721
Safety and Excavation Works		62d		62d	02-Aug-14	20-Sep-14	24-Jun-14	20-Sep-14	107d	$0	$6,040
SHT2620	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	62d	0%	62d	02-Aug-14	20-Sep-14	24-Jun-14	20-Sep-14	107d	$0	$0
SHT2630	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	14d	0%	14d	04-Aug-14	20-Aug-14	26-Jun-14	21-Jul-14	20d	$0	$6,040
Pipe Installation		16d		16d	05-Aug-14	24-Aug-14	29-Jun-14	27-Jul-14	20d	$0	$288,681
SHT2640	Trench excavation for 760 mm main Pipeline with length approx. (580 LM)	16d	0%	16d	05-Aug-14	24-Aug-14	29-Jun-14	27-Jul-14	20d	$0	$16,296
SHT2650	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	16d	0%	16d	05-Aug-14	24-Aug-14	29-Jun-14	27-Jul-14	20d	$0	$254,343
SHT2660	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	05-Aug-14	24-Aug-14	29-Jun-14	27-Jul-14	20d	$0	$18,042
Chamber work		8d		8d	24-Aug-14	02-Sep-14	27-Jul-14	10-Aug-14	128d	$0	$13,000
SHT2670	Construct - 150 AR/AV Valve chamber @ Sta.10+180	8d	0%	8d	24-Aug-14	02-Sep-14	27-Jul-14	10-Aug-14	128d	$0	$13,000
Testing		26d		26d	16-Aug-14	07-Sep-14	19-Jul-14	14-Aug-14	166d	$0	$0
SHT2673	Radiographic Testing (RT)	1d	0%	1d	16-Aug-14	23-Aug-14	19-Jul-14	19-Jul-14	5d	$0	$0
SHT2675	Pressure Testing	4d	0%	4d	02-Sep-14	07-Sep-14	10-Aug-14	14-Aug-14	128d	$0	$0
Base course and Asphalt		18d		18d	07-Sep-14	20-Sep-14	30-Aug-14	20-Sep-14	107d	$0	$66,000
SHT2680	Final Finish Sub grade & 20 cm base course layer	7d	0%	7d	07-Sep-14	15-Sep-14	30-Aug-14	07-Sep-14	115d	$0	$25,093
SHT2690	5 cm asphalt wearing couse including prime coat	1d	0%	1d	18-Sep-14	20-Sep-14	18-Sep-14	20-Sep-14	107d	$0	$40,906
Main pipelines&(Milling&overlay 11-13m width Exist road at residential area)St.9+880 - 9+(		67d		67d	24-Aug-14	30-Oct-14	27-Jul-14	02-Oct-14	133d	$0	$744,087
Safety and Milling		54d		54d	24-Aug-14	30-Oct-14	27-Jul-14	02-Oct-14	98d	$0	$0
SHT2700	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	54d	0%	54d	24-Aug-14	30-Oct-14	27-Jul-14	02-Oct-14	98d	$0	$0
SHT2710	saw cut asphalt	2d	0%	2d	26-Aug-14	28-Aug-14	03-Aug-14	05-Aug-14	20d	$0	$0
Pipe Installation		27d		27d	27-Aug-14	28-Sep-14	04-Aug-14	04-Sep-14	35d	$0	$506,498



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

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March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

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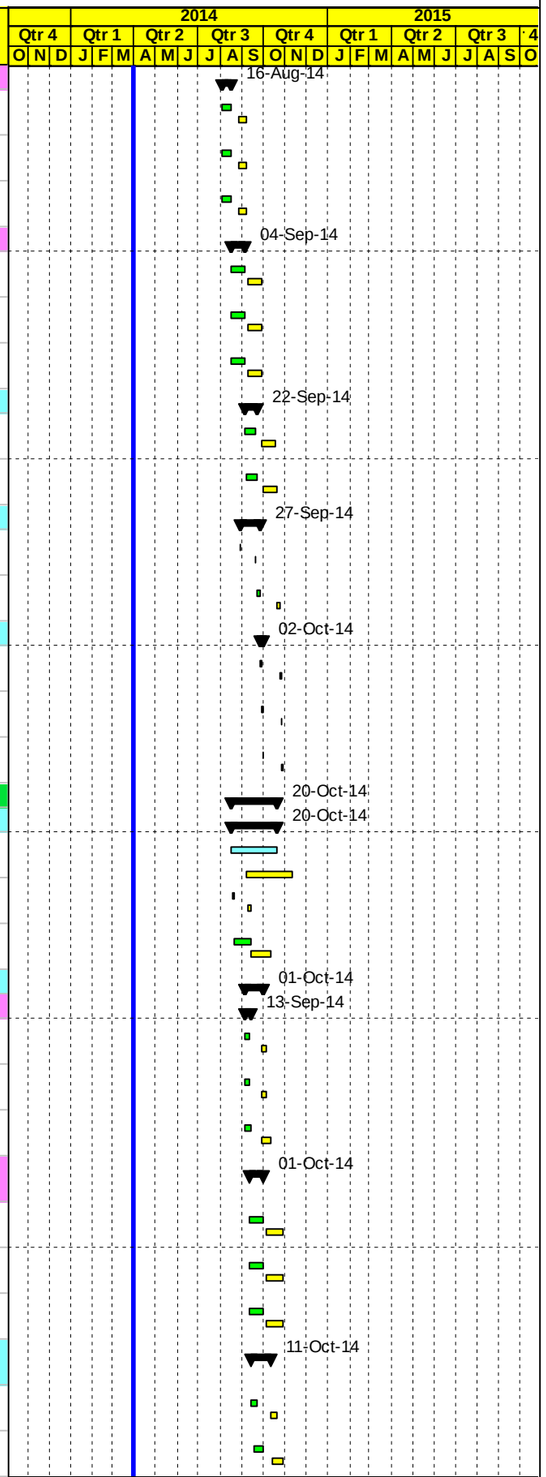
760 mm main pipeline & dist.pipe150 mm		10d		10d	27-Aug-14	08-Sep-14	04-Aug-14	16-Aug-14	33d	$0	$140,593
SHT2720	Trench excavation for 760 mm main pipeline & dist.pipe150 mm from 9+880 to 9+650 (230 LM)	10d	0%	10d	27-Aug-14	08-Sep-14	04-Aug-14	16-Aug-14	20d	$0	$10,378
SHT2730	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	10d	0%	10d	27-Aug-14	08-Sep-14	04-Aug-14	16-Aug-14	33d	$0	$119,750
SHT2740	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	27-Aug-14	08-Sep-14	04-Aug-14	16-Aug-14	33d	$0	$10,465
760 mm main pipeline & 200mm dist.pipeline		16d		16d	09-Sep-14	28-Sep-14	17-Aug-14	04-Sep-14	35d	$0	$365,905
SHT2750	Trench excavation for 760 mm main pipeline & 200mm dist.pipeline from 9+650 to 9+070(580 LM)	16d	0%	16d	09-Sep-14	28-Sep-14	17-Aug-14	04-Sep-14	20d	$0	$26,919
SHT2753	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	16d	0%	16d	09-Sep-14	28-Sep-14	17-Aug-14	04-Sep-14	35d	$0	$311,991
SHT2755	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	09-Sep-14	28-Sep-14	17-Aug-14	04-Sep-14	35d	$0	$26,996
Civil Chamber work		15d		15d	28-Sep-14	20-Oct-14	04-Sep-14	22-Sep-14	98d	$0	$58,000
SHT2760	Construct - AR/AV Valve chamber @ Sta.9+700 and 9+440	13d	0%	13d	28-Sep-14	18-Oct-14	04-Sep-14	20-Sep-14	98d	$0	$38,500
SHT2770	Construct - Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	13d	0%	13d	30-Sep-14	20-Oct-14	07-Sep-14	22-Sep-14	98d	$0	$19,500
Testing		28d		28d	20-Sep-14	25-Oct-14	30-Aug-14	27-Sep-14	133d	$0	$0
SHT2772	Radiographic Testing (RT)	1d	0%	1d	20-Sep-14	20-Sep-14	30-Aug-14	30-Aug-14	7d	$0	$0
SHT2775	Pressure Testing	4d	0%	4d	20-Oct-14	25-Oct-14	22-Sep-14	27-Sep-14	98d	$0	$0
Basecourse and Asphalt		5d		5d	25-Oct-14	30-Oct-14	27-Sep-14	02-Oct-14	98d	$0	$179,589
SHT2777	Milling	1d	0%	1d	25-Oct-14	26-Oct-14	27-Sep-14	28-Sep-14	98d	$0	$19,500
SHT2780	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	26-Oct-14	28-Oct-14	28-Sep-14	30-Sep-14	98d	$0	$4,408
SHT2790	5 cm asphalt wearing course including tack coat	2d	0%	2d	28-Oct-14	30-Oct-14	30-Sep-14	02-Oct-14	98d	$0	$155,681
Main pipelines &(Milling &over lay two lane width Exist road at residential area)St.9+070 -		65d		65d	08-Sep-14	12-Nov-14	16-Aug-14	20-Oct-14	119d	$0	$1,080,273
Safety , Milling and Storm system		52d		52d	08-Sep-14	12-Nov-14	16-Aug-14	20-Oct-14	90d	$0	$297,240
SHT2800	Maintain traffic control and safety plan RHS , coordination with local and all parties	52d	0%	52d	08-Sep-14	12-Nov-14	16-Aug-14	20-Oct-14	90d	$0	$0
SHT2810	Saw cut asphalt	2d	0%	2d	10-Sep-14	13-Sep-14	18-Aug-14	20-Aug-14	33d	$0	$0
SHT2890	Construct 500mm & 400 mm crossing precast concrete pipe for storm sytem with manholes &catch basin from st. 9+060-8+240	21d	0%	21d	13-Sep-14	12-Oct-14	20-Aug-14	14-Sep-14	114d	$0	$297,240
Pipe Installation		23d		23d	28-Sep-14	29-Oct-14	04-Sep-14	01-Oct-14	74d	$0	$493,116
760 mm main pipeline and 300mm dist.pipeline		7d		7d	28-Sep-14	11-Oct-14	04-Sep-14	13-Sep-14	90d	$0	$128,423
SHT2820	Trench excavation for 760 mm main pipeline and 300mm dist.pipeline from 9+070 to 8+880 (190 LM)	6d	0%	6d	28-Sep-14	05-Oct-14	04-Sep-14	11-Sep-14	20d	$0	$8,948
SHT2830	Bedding layer & install the all main Steel pipeline including required welding inspection / sectional testing (UT)	6d	0%	6d	28-Sep-14	05-Oct-14	04-Sep-14	11-Sep-14	35d	$0	$110,085
SHT2850	Backfill the pipe trench with approved materials to the required level including base course	6d	0%	6d	29-Sep-14	11-Oct-14	06-Sep-14	13-Sep-14	90d	$0	$9,390
760 mm main pipeline and 150mm dist.pipeline		17d		17d	05-Oct-14	29-Oct-14	11-Sep-14	01-Oct-14	24d	$0	$364,693
SHT2860	Trench excavation for 760 mm main pipeline and 150mm dist.pipeline 8+880 to 8+240 (640 LM)	17d	0%	17d	05-Oct-14	29-Oct-14	11-Sep-14	01-Oct-14	20d	$0	$28,856
SHT2862	Bedding layer & install the all main Steel pipeline including required welding inspection / sectional testing (UT)	17d	0%	17d	05-Oct-14	29-Oct-14	11-Sep-14	01-Oct-14	23d	$0	$310,713
SHT2864	Backfill the pipe trench with approved materials to the required level including base course	17d	0%	17d	05-Oct-14	29-Oct-14	11-Sep-14	01-Oct-14	24d	$0	$25,124
Civil Chamber work		20d		20d	11-Oct-14	03-Nov-14	13-Sep-14	11-Oct-14	90d	$0	$137,000
SHT2865	Construct - Butterfly.chamber @ Sta.8+880	8d	0%	8d	11-Oct-14	20-Oct-14	13-Sep-14	22-Sep-14	90d	$0	$40,000
SHT2870	Construct - Halhul connection chamber@ Sta. 8+880 RHS	13d	0%	13d	15-Oct-14	30-Oct-14	17-Sep-14	02-Oct-14	90d	$0	$84,000



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

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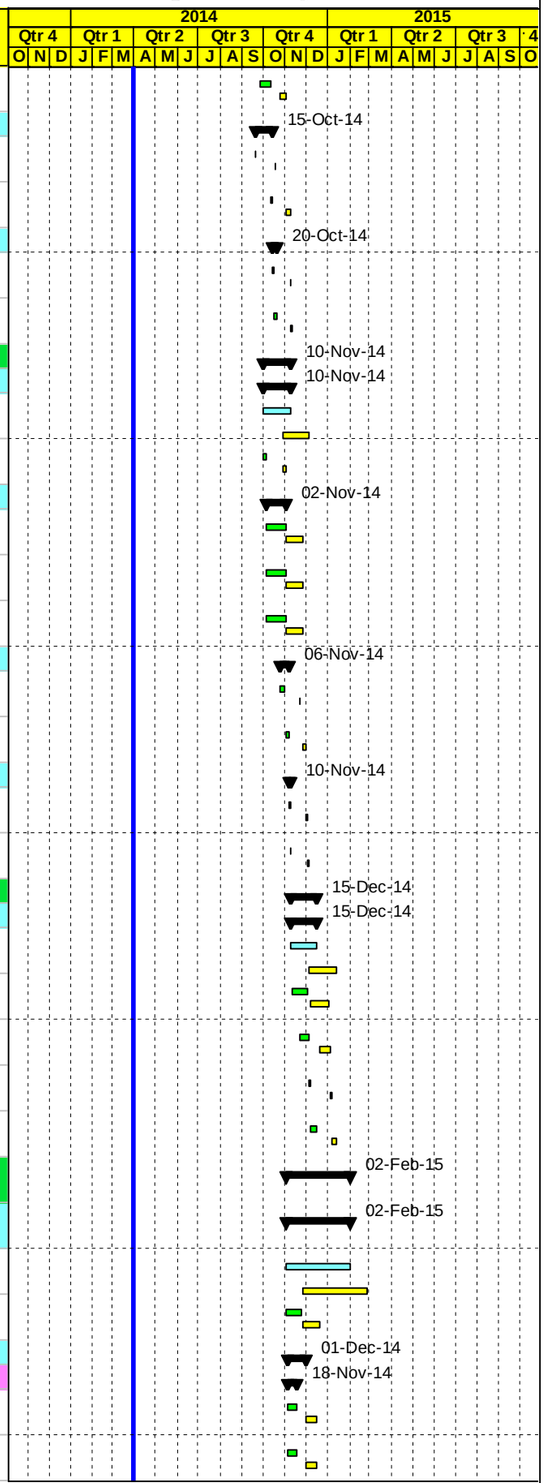
March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT2880	Construct - 150 AR/AV Valve chamber @ Sta. 8+400	8d	0%	8d	25-Oct-14	03-Nov-14	27-Sep-14	11-Oct-14	90d	$0	$13,000
Testing		25d		25d	18-Oct-14	08-Nov-14	20-Sep-14	15-Oct-14	119d	$0	$0
SHT2883	Radiographic Testing (RT)	1d	0%	1d	18-Oct-14	18-Oct-14	20-Sep-14	20-Sep-14	6d	$0	$0
SHT2885	Pressure Testing	4d	0%	4d	03-Nov-14	08-Nov-14	11-Oct-14	15-Oct-14	90d	$0	$0
Asphalt		4d		4d	08-Nov-14	12-Nov-14	15-Oct-14	20-Oct-14	90d	$0	$152,918
SHT2888	Milling	1d	0%	1d	08-Nov-14	09-Nov-14	15-Oct-14	16-Oct-14	90d	$0	$16,500
SHT2900	Asphalt Reinstatements over pipe trench including prime coat and 5 cm asphalt wearing layer	3d	0%	3d	09-Nov-14	12-Nov-14	16-Oct-14	20-Oct-14	90d	$0	$136,418
Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+240-		40d		40d	29-Oct-14	06-Dec-14	01-Oct-14	10-Nov-14	69d	$0	$596,777
Safety and Milling		30d		30d	29-Oct-14	06-Dec-14	01-Oct-14	10-Nov-14	50d	$0	$0
SHT2910	Maintain traffic control and safety plan RHS , coordination with local and all parties	30d	0%	30d	29-Oct-14	06-Dec-14	01-Oct-14	10-Nov-14	50d	$0	$0
SHT2920	Saw cut asphalt	2d	0%	2d	30-Oct-14	02-Nov-14	02-Oct-14	05-Oct-14	20d	$0	$0
Pipe Installation		20d		20d	02-Nov-14	26-Nov-14	05-Oct-14	02-Nov-14	21d	$0	$436,069
SHT2930	Trench excavation for 760 mm main pipeline and 150mm dist.pipeline 8+240 to 7+515 (725 LM)	20d	0%	20d	02-Nov-14	26-Nov-14	05-Oct-14	02-Nov-14	20d	$0	$32,709
SHT2940	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	20d	0%	20d	02-Nov-14	26-Nov-14	05-Oct-14	02-Nov-14	20d	$0	$371,512
SHT2950	Backfill the pipe trench with approved materials to the required level including base course	20d	0%	20d	02-Nov-14	26-Nov-14	05-Oct-14	02-Nov-14	21d	$0	$31,848
Testing		12d		12d	22-Nov-14	01-Dec-14	25-Oct-14	06-Nov-14	68d	$0	$0
SHT2952	Radiographic Testing (RT)	1d	0%	1d	22-Nov-14	22-Nov-14	25-Oct-14	01-Nov-14	4d	$0	$0
SHT2955	Pressure Testing	4d	0%	4d	26-Nov-14	01-Dec-14	02-Nov-14	06-Nov-14	50d	$0	$0
Asphalt		3d		3d	01-Dec-14	06-Dec-14	06-Nov-14	10-Nov-14	50d	$0	$160,708
SHT2957	Milling	1d	0%	1d	01-Dec-14	02-Dec-14	06-Nov-14	08-Nov-14	50d	$0	$16,500
SHT2960	Asphalt Reinstatements over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	02-Dec-14	06-Dec-14	08-Nov-14	10-Nov-14	50d	$0	$144,208
Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+070 -		27d		27d	06-Dec-14	13-Jan-15	10-Nov-14	15-Dec-14	50d	$0	$540,491
Road Works		27d		27d	06-Dec-14	13-Jan-15	10-Nov-14	15-Dec-14	50d	$0	$540,491
SHT2970	Maintain traffic control and safety plan RHS , coordination with local and all parties	27d	0%	27d	06-Dec-14	13-Jan-15	10-Nov-14	15-Dec-14	50d	$0	$0
SHT2980	Construct 400 mm crossing precast concrete pipe for storm system with catch basin from sta. 9+060 to 8+240 LHS	18d	0%	18d	07-Dec-14	03-Jan-15	11-Nov-14	03-Dec-14	50d	$0	$45,560
SHT2983	Storm Drain pipe cleaning - remove all debris and sedimet/800mmØ~1000mmØ	10d	0%	10d	20-Dec-14	04-Jan-15	23-Nov-14	06-Dec-14	50d	$0	$6,500
SHT2990	Asphalt Reinstatement over storm pipe trench	2d	0%	2d	04-Jan-15	06-Jan-15	06-Dec-14	08-Dec-14	50d	$0	$6,954
SHT3000	5 cm asphalt wearing course including tack coat	5d	0%	5d	06-Jan-15	13-Jan-15	08-Dec-14	15-Dec-14	50d	$0	$481,477
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -		92d		92d	26-Nov-14	26-Feb-15	02-Nov-14	02-Feb-15	34d	$0	$977,958
Safety and Excavation Works		68d		68d	26-Nov-14	26-Feb-15	02-Nov-14	02-Feb-15	27d	$0	$47,680
SHT3010	Implement traffic control and safety plan ,all coordination and relocate utilities if required	68d	0%	68d	26-Nov-14	26-Feb-15	02-Nov-14	02-Feb-15	27d	$0	$0
SHT3020	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	17d	0%	17d	27-Nov-14	21-Dec-14	03-Nov-14	24-Nov-14	20d	$0	$47,680
Pipe Installation		21d		21d	30-Nov-14	30-Dec-14	05-Nov-14	01-Dec-14	20d	$0	$439,686
760 mm main pipeline and 150 mm dist.pipeline		11d		11d	30-Nov-14	15-Dec-14	05-Nov-14	18-Nov-14	20d	$0	$254,675
SHT3050	Trench excavation for 760 mm main pipeline and 150 mm dist.pipeline from 7+515 to 7+157 with length approx. (358LM)	11d	0%	11d	30-Nov-14	15-Dec-14	05-Nov-14	18-Nov-14	20d	$0	$16,110
SHT3060	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	11d	0%	11d	30-Nov-14	15-Dec-14	05-Nov-14	18-Nov-14	20d	$0	$216,955



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

Page 21 of 25

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

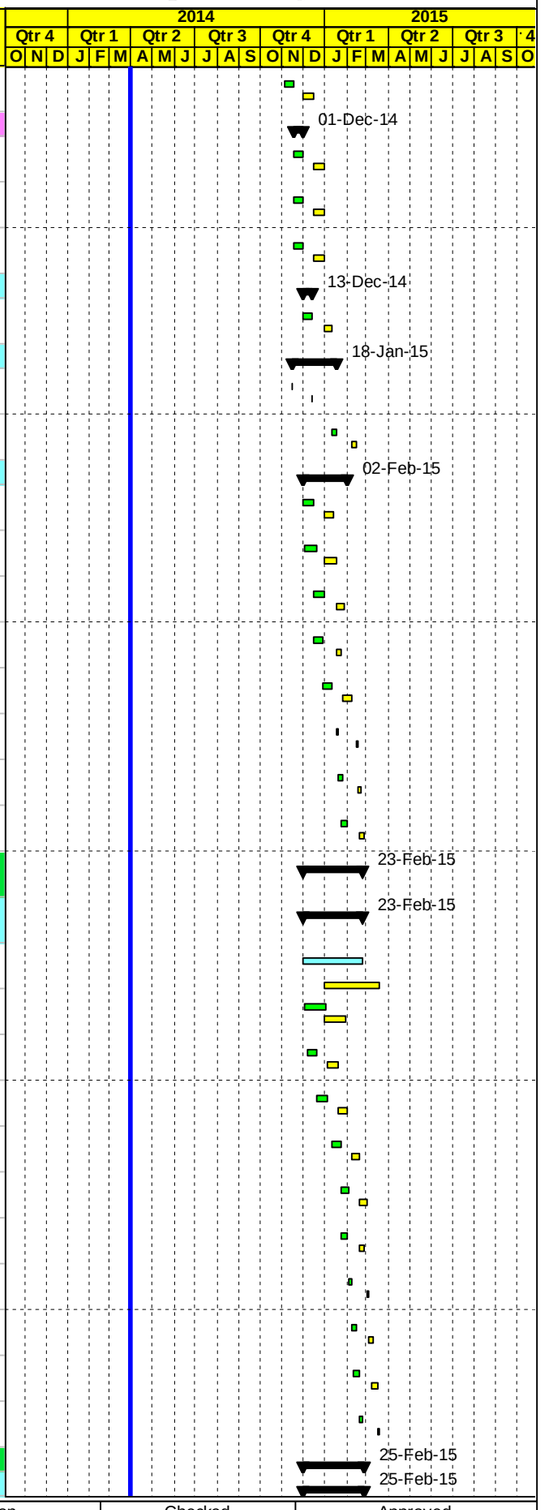
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT3070	Backfill the pipe trench with approved materials to the required level	11d	0%	11d	30-Nov-14	15-Dec-14	05-Nov-14	18-Nov-14	20d	$0	$21,611
760 mm main pipeline and 100 mm dist.pipeline		10d		10d	15-Dec-14	30-Dec-14	18-Nov-14	01-Dec-14	20d	$0	$185,011
SHT3072	Trench excavation for 760 mm main pipeline and 100 mm dist.pipeline from 7+157 to 6+827 with length approx. (330 LM)	10d	0%	10d	15-Dec-14	30-Dec-14	18-Nov-14	01-Dec-14	20d	$0	$13,882
SHT3074	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	10d	0%	10d	15-Dec-14	30-Dec-14	18-Nov-14	01-Dec-14	20d	$0	$157,280
SHT3076	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	15-Dec-14	30-Dec-14	18-Nov-14	01-Dec-14	20d	$0	$13,849
Civil Chamber work		8d		8d	30-Dec-14	11-Jan-15	01-Dec-14	13-Dec-14	48d	$0	$61,000
SHT3100	Construct - 250 Wash out Valve chamber @ Sta.7+220	8d	0%	8d	30-Dec-14	11-Jan-15	01-Dec-14	13-Dec-14	48d	$0	$61,000
Testing		64d		64d	13-Dec-14	14-Feb-15	15-Nov-14	18-Jan-15	35d	$0	$0
SHT3102	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	13-Dec-14	15-Nov-14	15-Nov-14	6d	$0	$0
SHT3105	Pressure Testing	4d	0%	4d	09-Feb-15	14-Feb-15	12-Jan-15	18-Jan-15	27d	$0	$0
Topping, PVC, Base course , Stone Wall , Asphalt and Side Walk		44d		44d	30-Dec-14	26-Feb-15	01-Dec-14	02-Feb-15	27d	$0	$429,592
SHT3110	Final Finish Sub grade & 20 cm thick for toping layer	11d	0%	11d	30-Dec-14	14-Jan-15	01-Dec-14	16-Dec-14	20d	$0	$10,288
SHT3120	Reinf.concrete foundation and PVC conduit cable for street lighting	12d	0%	12d	31-Dec-14	18-Jan-15	02-Dec-14	20-Dec-14	20d	$0	$0
SHT3130	20 cm thick for first base course layer	9d	0%	9d	17-Jan-15	28-Jan-15	17-Dec-14	31-Dec-14	20d	$0	$44,899
SHT3132	Stone Wall RHS	6d	0%	6d	17-Jan-15	25-Jan-15	17-Dec-14	28-Dec-14	42d	$0	$2,025
SHT3140	20 cm thick for second base course layer	9d	0%	9d	27-Jan-15	09-Feb-15	30-Dec-14	12-Jan-15	20d	$0	$44,899
SHT3150	5cm asphalt binder course including prime coat	2d	0%	2d	14-Feb-15	16-Feb-15	18-Jan-15	20-Jan-15	27d	$0	$194,348
SHT3160	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	16-Feb-15	22-Feb-15	20-Jan-15	27-Jan-15	27d	$0	$35,735
SHT3170	Reinforced concrete side walks, ramps including 15 cm base course under side walk	7d	0%	7d	18-Feb-15	26-Feb-15	24-Jan-15	02-Feb-15	27d	$0	$97,399
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -		61d		61d	30-Dec-14	19-Mar-15	01-Dec-14	23-Feb-15	20d	$0	$696,164
Road Works		61d		61d	30-Dec-14	19-Mar-15	01-Dec-14	23-Feb-15	20d	$0	$696,164
SHT3180	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	61d	0%	61d	30-Dec-14	19-Mar-15	01-Dec-14	23-Feb-15	20d	$0	$0
SHT3190	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	21d	0%	21d	31-Dec-14	31-Jan-15	02-Dec-14	03-Jan-15	30d	$0	$49,800
SHT3220	Construct 500mm main precast concrete pipe for storm collection with manholes &catch basin from sta. 7+220 to 7+240	10d	0%	10d	05-Jan-15	19-Jan-15	07-Dec-14	21-Dec-14	30d	$0	$9,600
SHT3230	Final Finish Sub grade & 20 cm thick for toping layer	10d	0%	10d	19-Jan-15	02-Feb-15	21-Dec-14	05-Jan-15	30d	$0	$10,288
SHT3240	20 cm thick for first base course layer	9d	0%	9d	09-Feb-15	19-Feb-15	12-Jan-15	25-Jan-15	20d	$0	$44,899
SHT3250	20 cm thick for second base course layer	9d	0%	9d	18-Feb-15	01-Mar-15	24-Jan-15	04-Feb-15	20d	$0	$44,899
SHT3252	Stone Wall LHS	6d	0%	6d	19-Feb-15	26-Feb-15	25-Jan-15	02-Feb-15	34d	$0	$2,025
SHT3260	5cm asphalt binder course including prime coat	2d	0%	2d	01-Mar-15	03-Mar-15	04-Feb-15	08-Feb-15	20d	$0	$194,348
SHT3270	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	03-Mar-15	10-Mar-15	08-Feb-15	14-Feb-15	20d	$0	$34,265
SHT3280	Reinforced concrete side walks, ramps including 15 cm base course under side walk	7d	0%	7d	08-Mar-15	16-Mar-15	11-Feb-15	19-Feb-15	20d	$0	$97,399
SHT3290	5 cm asphalt wearing course including tack coat LHS &RHS	3d	0%	3d	16-Mar-15	19-Mar-15	19-Feb-15	23-Feb-15	20d	$0	$208,642
Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+84		86d		86d	30-Dec-14	22-Mar-15	01-Dec-14	25-Feb-15	25d	$0	$424,786
Safety and Excavation Works		63d		63d	30-Dec-14	22-Mar-15	01-Dec-14	25-Feb-15	20d	$0	$10,600



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
Milestone Early Bar | Milestone Actual | Critical Bar

Page 22 of 25

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

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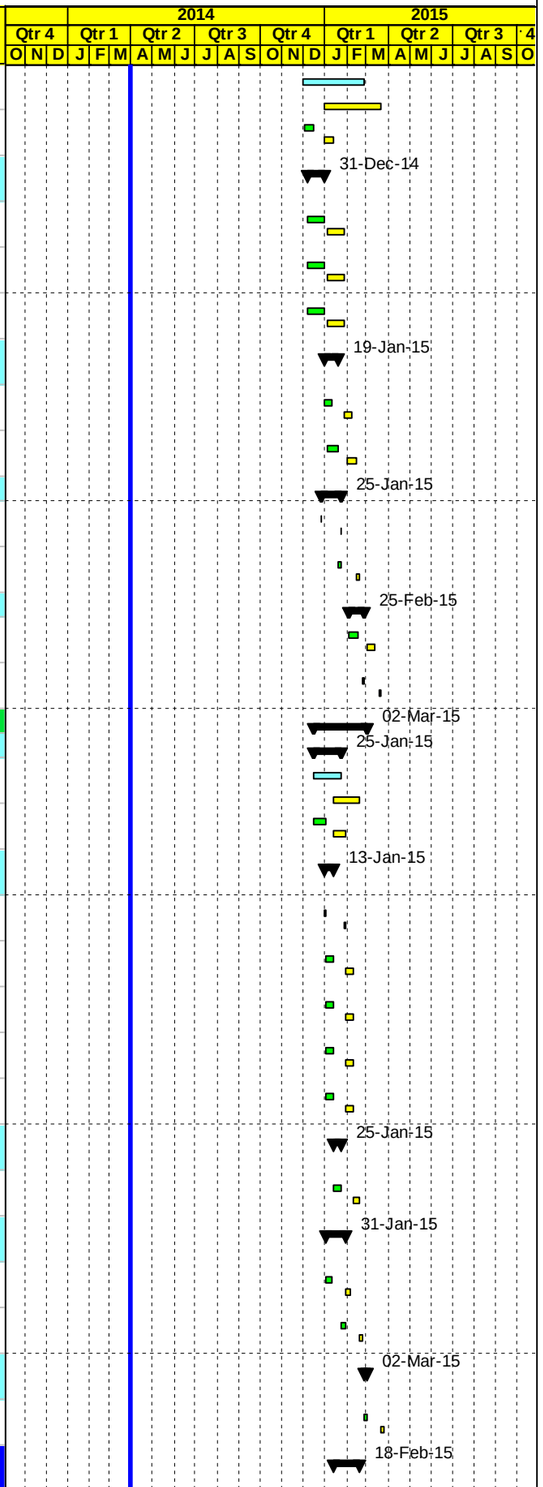
SHT3300	Maintain traffic control and safety plan to include local access to residence ,all coordination	63d	0%	63d	30-Dec-14	22-Mar-15	01-Dec-14	25-Feb-15	20d	$0	$0
SHT3310	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	9d	0%	9d	31-Dec-14	13-Jan-15	02-Dec-14	15-Dec-14	20d	$0	$10,600
Pipe Installation		17d		17d	05-Jan-15	28-Jan-15	07-Dec-14	31-Dec-14	20d	$0	$308,501
SHT3320	Trench excavation for 760 mm main Pipeline with length approx. (620 LM)	17d	0%	17d	05-Jan-15	28-Jan-15	07-Dec-14	31-Dec-14	20d	$0	$17,416
SHT3330	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	17d	0%	17d	05-Jan-15	28-Jan-15	07-Dec-14	31-Dec-14	20d	$0	$271,803
SHT3340	Backfill the pipe trench with approved materials to the required level	17d	0%	17d	05-Jan-15	28-Jan-15	07-Dec-14	31-Dec-14	20d	$0	$19,282
Civil Chamber work		13d		13d	28-Jan-15	15-Feb-15	31-Dec-14	19-Jan-15	34d	$0	$36,000
SHT3350	Construct - 150 AR/AV Valve chamber @ Sta.6+600	8d	0%	8d	28-Jan-15	09-Feb-15	31-Dec-14	12-Jan-15	34d	$0	$13,000
SHT3360	Construct - Karm Tzur Deir Sha'ar connection chamber@ Sta. 6+240 RHS	11d	0%	11d	01-Feb-15	15-Feb-15	04-Jan-15	19-Jan-15	34d	$0	$23,000
Testing		29d		29d	24-Jan-15	19-Feb-15	27-Dec-14	25-Jan-15	43d	$0	$0
SHT3362	Radiographic Testing (RT)	1d	0%	1d	24-Jan-15	24-Jan-15	27-Dec-14	27-Dec-14	4d	$0	$0
SHT3365	Pressure Testing	4d	0%	4d	15-Feb-15	19-Feb-15	19-Jan-15	25-Jan-15	34d	$0	$0
Base course and Asphalt		17d		17d	01-Mar-15	22-Mar-15	04-Feb-15	25-Feb-15	20d	$0	$69,685
SHT3370	Final Finish Sub grade & 20 cm base course layer	9d	0%	9d	01-Mar-15	12-Mar-15	04-Feb-15	16-Feb-15	26d	$0	$27,072
SHT3380	5 cm asphalt wearing course including prime coat	2d	0%	2d	19-Mar-15	22-Mar-15	23-Feb-15	25-Feb-15	20d	$0	$42,613
Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980		77d		77d	13-Jan-15	26-Mar-15	15-Dec-14	02-Mar-15	44d	$0	$137,428
Safety and Pipe Culvert		28d		28d	13-Jan-15	19-Feb-15	15-Dec-14	25-Jan-15	61d	$0	$0
SHT3390	Maintain traffic control & safety plan to include local access to residance , corrdination with israile authorities	28d	0%	28d	13-Jan-15	19-Feb-15	15-Dec-14	25-Jan-15	20d	$0	$0
SHT3395	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 6+150 with L=15.0 m	12d	0%	12d	13-Jan-15	31-Jan-15	15-Dec-14	03-Jan-15	77d	$0	$0
Pipe Installation		9d		9d	28-Jan-15	10-Feb-15	31-Dec-14	13-Jan-15	22d	$0	$119,716
SHT3397	Road Crossing Karm Tzur (Working night shift)	1d	0%	1d	28-Jan-15	31-Jan-15	31-Dec-14	03-Jan-15	20d	$0	$0
SHT3400	Trench excavation side the road for 760 mm main Pipeline with length approx. (240 LM)	8d	0%	8d	31-Jan-15	10-Feb-15	03-Jan-15	13-Jan-15	20d	$0	$6,748
SHT3403	Concrete encasement for main pipeline from sta.6+220 to 5+980 length (240 LM) and backfill the trench	8d	0%	8d	31-Jan-15	10-Feb-15	03-Jan-15	13-Jan-15	22d	$0	$7,471
SHT3405	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	8d	0%	8d	31-Jan-15	10-Feb-15	03-Jan-15	13-Jan-15	22d	$0	$100,315
SHT3407	Backfill the pipe trench with approved materials to the required level	8d	0%	8d	31-Jan-15	10-Feb-15	03-Jan-15	13-Jan-15	22d	$0	$5,182
Civil Chamber work		8d		8d	10-Feb-15	19-Feb-15	13-Jan-15	25-Jan-15	20d	$0	$13,000
SHT3410	Construct - 150 AR/AV Valve chamber @ Sta.6+040	8d	0%	8d	10-Feb-15	19-Feb-15	13-Jan-15	25-Jan-15	20d	$0	$13,000
Testing		28d		28d	31-Jan-15	24-Feb-15	03-Jan-15	31-Jan-15	26d	$0	$0
SHT3412	Radiographic Testing (RT)	1d	0%	1d	31-Jan-15	07-Feb-15	03-Jan-15	10-Jan-15	5d	$0	$0
SHT3415	Pressure Testing	4d	0%	4d	19-Feb-15	24-Feb-15	25-Jan-15	31-Jan-15	22d	$0	$0
Asphalt		4d		4d	22-Mar-15	26-Mar-15	25-Feb-15	02-Mar-15	36d	$0	$4,712
SHT3417	Asphalt Reinstatements over pipe trench	4d	0%	4d	22-Mar-15	26-Mar-15	25-Feb-15	02-Mar-15	36d	$0	$4,712
Surge Control System final connection to the booster station		27d		27d	10-Feb-15	15-Mar-15	13-Jan-15	18-Feb-15	30d	$0	$270,000



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
Critical Bar
Level of Effort
Summary

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March 31, 2014

TO16

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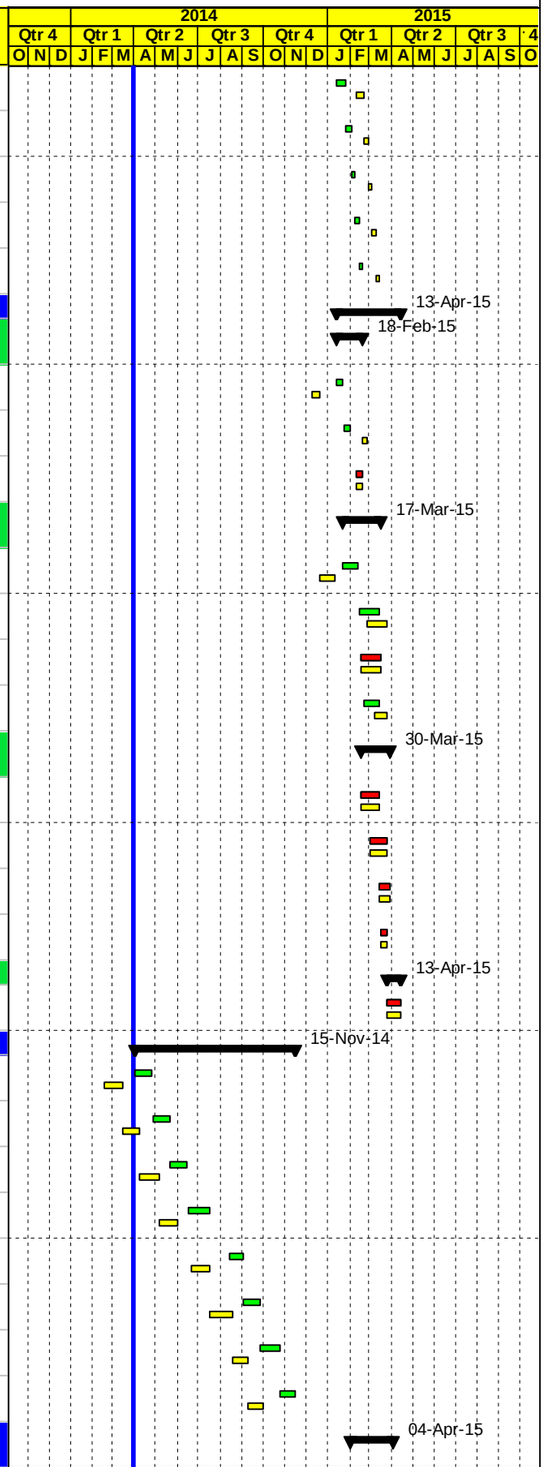
SHT3438	Concrete Works	10d	0%	10d	10-Feb-15	22-Feb-15	13-Jan-15	27-Jan-15	30d	$0	$0
SHT3440	Installation tank	5d	0%	5d	22-Feb-15	28-Feb-15	27-Jan-15	03-Feb-15	30d	$0	$0
SHT3450	Installation Compressor	3d	0%	3d	28-Feb-15	03-Mar-15	03-Feb-15	08-Feb-15	30d	$0	$0
SHT3455	Surge Control System	5d	0%	5d	03-Mar-15	10-Mar-15	08-Feb-15	14-Feb-15	30d	$0	$0
SHT3460	Surge Control System final connection to the booster station	4d	0%	4d	10-Mar-15	15-Mar-15	14-Feb-15	18-Feb-15	30d	$0	$270,000
Final Mechanical connection for main pipeline & distribution net work		72d		72d	10-Dec-14	13-Apr-15	13-Jan-15	13-Apr-15	1d	$0	$542,900
Safety		27d		27d	10-Dec-14	26-Feb-15	13-Jan-15	18-Feb-15	7d	$0	$0
SHT3510	Testing Confined space (networks)	6d	0%	6d	10-Dec-14	20-Dec-14	13-Jan-15	21-Jan-15	5d	$0	$0
SHT3750	Testing Confined space (main pipelines) from St. 11+460 to 5+980	6d	0%	6d	19-Feb-15	26-Feb-15	25-Jan-15	02-Feb-15	20d	$0	$0
SHT3740	Testing Confined space (main pipelines) from St. 0+000 to 5+980	6d	0%	6d	11-Feb-15	18-Feb-15	11-Feb-15	18-Feb-15	0d	$0	$0
Mechanical		44d		44d	20-Dec-14	26-Mar-15	21-Jan-15	17-Mar-15	23d	$0	$365,700
SHT3485	Electro Mech. Work including install all valves ,fittings, and flushing pipes (networks)	16d	0%	16d	20-Dec-14	12-Jan-15	21-Jan-15	12-Feb-15	5d	$0	$0
SHT3495	Electro Mech. Work including install all valves ,fittings, and flushing pipes from St. 11+460 to 5+980	23d	0%	23d	25-Feb-15	25-Mar-15	14-Feb-15	14-Mar-15	11d	$0	$68,100
SHT3490	Electro Mech. Work including install all valves ,fittings, and flushing pipes (main pipelines) from St. 0+000 to 5+980	23d	0%	23d	18-Feb-15	17-Mar-15	18-Feb-15	17-Mar-15	0d	$0	$19,500
SHT3500	water meter connection chambers and flow water	17d	0%	17d	07-Mar-15	26-Mar-15	22-Feb-15	15-Mar-15	26d	$0	$278,100
Connection new pipe to existing		34d		34d	18-Feb-15	30-Mar-15	18-Feb-15	30-Mar-15	0d	$0	$132,200
SHT3501	Connection new pipe to one existing pipe Part one	20d	0%	20d	18-Feb-15	14-Mar-15	18-Feb-15	14-Mar-15	0d	$0	$42,500
SHT3505	Connection new pipe to one existing pipe Part Two	20d	0%	20d	02-Mar-15	25-Mar-15	02-Mar-15	25-Mar-15	0d	$0	$34,000
SHT3507	Connection new pipe to two existing pipe	14d	0%	14d	15-Mar-15	30-Mar-15	15-Mar-15	30-Mar-15	0d	$0	$40,200
SHT3509	Connection new pipe to thee existing	7d	0%	7d	18-Mar-15	25-Mar-15	18-Mar-15	25-Mar-15	0d	$0	$15,500
Final Disinfection and Pressure Testing		15d		15d	26-Mar-15	13-Apr-15	26-Mar-15	13-Apr-15	0d	$0	$45,000
SHT3520	final Disinfection and Pressure Testing For main and dist.Pipeline	15d	0%	15d	26-Mar-15	13-Apr-15	26-Mar-15	13-Apr-15	0d	$0	$45,000
Canceled Activities		177d		177d	18-Feb-14	01-Oct-14	01-Apr-14	15-Nov-14	116d	$0	$560,000
SHT1120	Stone Boulder from sta. 7+090 to 7+190 LHS total length (100 LM)	21d	0%	21d	18-Feb-14	16-Mar-14	01-Apr-14	26-Apr-14	73d	$0	$88,000
SHT1130	Stone Boulder from sta. 7+190 to 7+290 LHS total length (100 LM)	21d	0%	21d	16-Mar-14	09-Apr-14	27-Apr-14	21-May-14	73d	$0	$88,000
SHT1145	Stone Boulder from sta. 7+290 to 7+390 LHS total length (100 LM)	21d	0%	21d	09-Apr-14	06-May-14	22-May-14	15-Jun-14	73d	$0	$88,000
SHT1150	Stone Boulder from sta. 7+390 to 7+500 LHS total length (110 LM)	22d	0%	22d	06-May-14	01-Jun-14	16-Jun-14	17-Jul-14	73d	$0	$91,200
SHT1940	Stone Boulder from sta. 3+150 to 3+220 RHStotal length (70LM)	17d	0%	17d	21-Jun-14	17-Jul-14	14-Aug-14	03-Sep-14	73d	$0	$41,600
SHT1954	Stone Boulder9from 3+230 to 3+325 RHS total length (95LM)	20d	0%	20d	17-Jul-14	18-Aug-14	03-Sep-14	27-Sep-14	73d	$0	$60,800
SHT1965	Stone Boulder from sta. 3+325 to 3+410 RHS total length (80LM)	20d	0%	20d	18-Aug-14	10-Sep-14	27-Sep-14	25-Oct-14	73d	$0	$48,000
SHT1964	Stone Boulder from sta. 3+410 to 3+490 RHS total length (85LM)	18d	0%	18d	10-Sep-14	01-Oct-14	25-Oct-14	15-Nov-14	116d	$0	$54,400
Concrete and Road Finishing work		50d		50d	26-Feb-15	14-Apr-15	02-Feb-15	04-Apr-15	9d	$0	$329,017



Project Baseline Bar · Level of effort Baseline · Milestone Early Bar · Baseline Milestone · Actual Work · Milestone Actual · Actual Level of Effort · Early Bar · Critical Bar · Level of Effort · Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

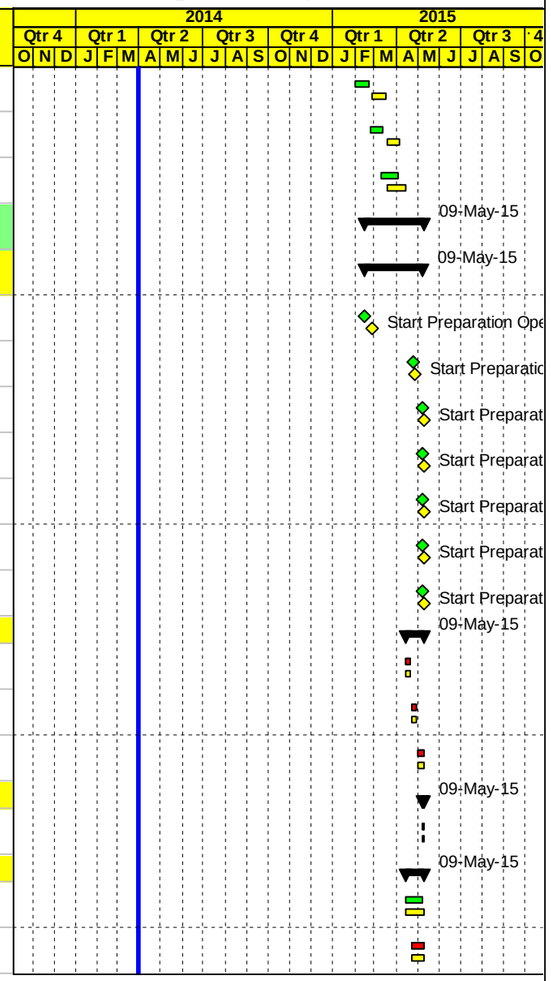
Updated Construction Program

March 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT3530	install street lighting units	15d	0%	15d	26-Feb-15	17-Mar-15	02-Feb-15	21-Feb-15	44d	$0	$68,000
SHT3540	Construct concrete protection and ditch work	14d	0%	14d	19-Mar-15	05-Apr-15	23-Feb-15	12-Mar-15	28d	$0	$28,907
SHT3560	Guard rail, traffic signs , Road furnishing	21d	0%	21d	19-Mar-15	14-Apr-15	10-Mar-15	04-Apr-15	9d	$0	$232,110
Post Construction Phase		71d		71d	25-Feb-15	09-May-15	14-Feb-15	09-May-15	0d	$0	$148,688
Post Construction Submittals		70d		70d	25-Feb-15	09-May-15	14-Feb-15	09-May-15	1d	$0	$0
SHT3690	Start Preparation Operation and Maintenance Manuals	0d	0%	0d	25-Feb-15		14-Feb-15		49d	$0	$0
SHT3620	Start Preparation Warranties (to USAID)	0d	0%	0d	26-Apr-15		26-Apr-15		12d	$0	$0
SHT3630	Start Preparation Final Acceptance Certificate	0d	0%	0d	09-May-15		09-May-15		1d	$0	$0
SHT3640	Start Preparation Release of liens and waiver of debts and claims against the government	0d	0%	0d	09-May-15		09-May-15		1d	$0	$0
SHT3650	Start Preparation Final payment	0d	0%	0d	09-May-15		09-May-15		1d	$0	$0
SHT3660	Start Preparation Final Report	0d	0%	0d	09-May-15		09-May-15		1d	$0	$0
SHT3680	Start Preparation Clearance certificate from local entities/ Authorities involved	0d	0%	0d	09-May-15		09-May-15		1d	$0	$0
Start up, Training and commissioning		22d		22d	14-Apr-15	09-May-15	14-Apr-15	09-May-15	0d	$0	$0
SHT3700	Pre commissioning	7d	0%	7d	14-Apr-15	21-Apr-15	14-Apr-15	21-Apr-15	0d	$0	$0
SHT3790	Commissioning	8d	0%	8d	22-Apr-15	30-Apr-15	22-Apr-15	30-Apr-15	0d	$0	$0
SHT3800	Training	7d	0%	7d	02-May-15	09-May-15	02-May-15	09-May-15	0d	$0	$0
Demobilization		1d		1d	09-May-15	09-May-15	09-May-15	09-May-15	0d	$0	$148,688
SHT3810	Start Demobilization	1d	0%	1d	09-May-15	09-May-15	09-May-15	09-May-15	0d	$0	$148,688
Post Construction activities		22d		22d	14-Apr-15	09-May-15	14-Apr-15	09-May-15	0d	$0	$0
SHT3830	Start Preparation As-built drawings	21d	0%	21d	14-Apr-15	09-May-15	14-Apr-15	07-May-15	1d	$0	$0
SHT3840	Walk through and check Punch list	14d	0%	14d	23-Apr-15	09-May-15	23-Apr-15	09-May-15	0d	$0	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
Milestone Early Bar | Milestone Actual | Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

B | One Month Look ahead

APCO/ArCon CONSTRUCTION AND SERVICES

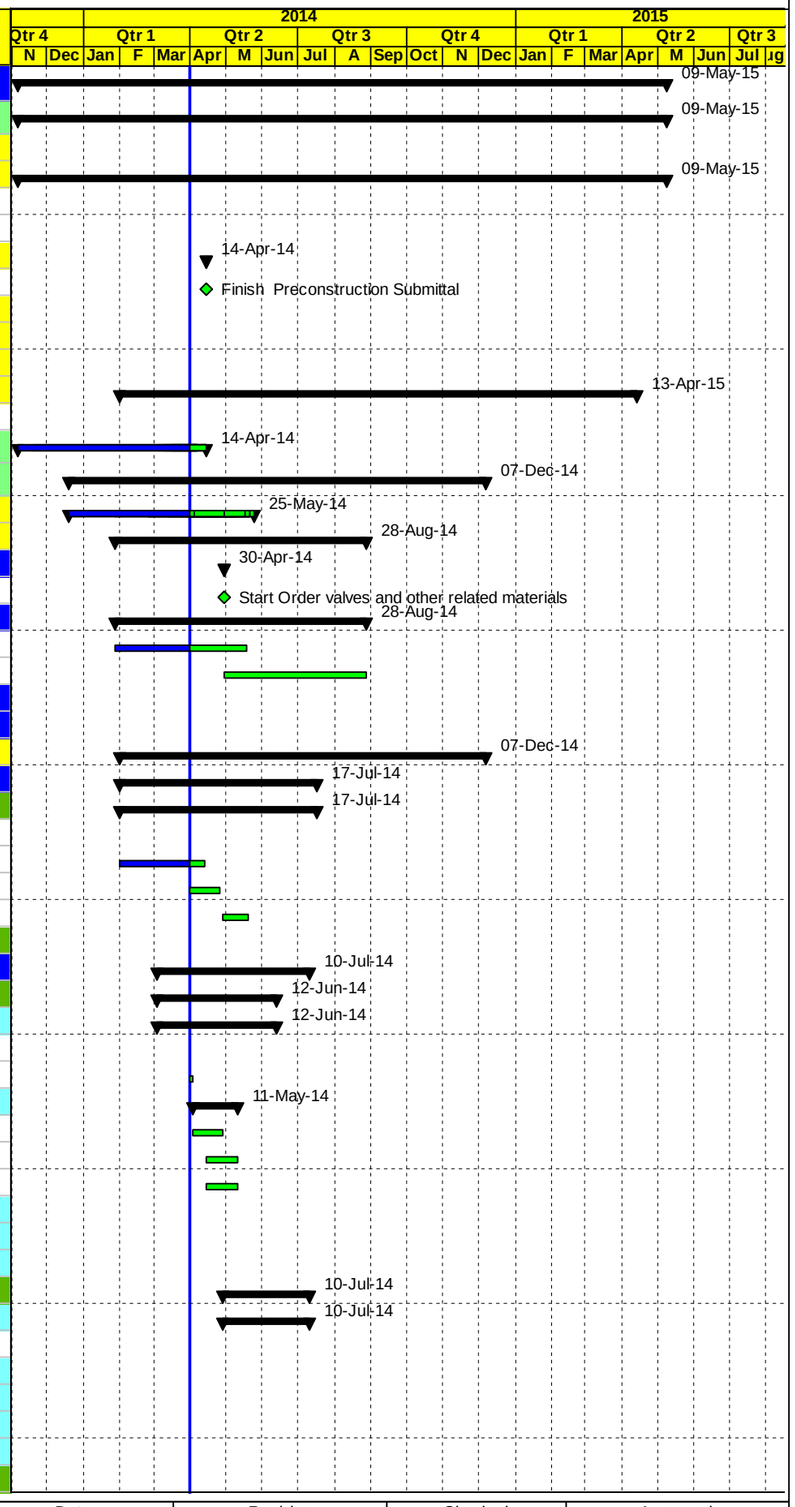
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Deir Sha'aar Main Pipeline Project		550d		06-Nov-13 A	09-May-15	0d
Milestones		550d		06-Nov-13 A	09-May-15	0d
General Milestones		0d				0d
Task order Duration		550d		06-Nov-13 A	09-May-15	0d
SHT0030	Project Duration (Calendar Days)	550d	26.55%	06-Nov-13 A	09-May-15	0d
SHT0040	Project Duration (Working Days)	425d	26.14%	01-Feb-14 A	09-May-15	0d
Pre Construction Milestones		0d		14-Apr-14	14-Apr-14	31d
SHT0060	Finish Preconstruction Submittal	0d	0%		14-Apr-14	31d
Mobilization Milestones		0d				0d
Shop Drawing Milestones		0d				0d
Material Milestones		0d				0d
Construction Milestones		332d		01-Feb-14 A	13-Apr-15	1d
SHT1105	Construction Duration (Working Days)	332d	12.09%	01-Feb-14 A	13-Apr-15	1d
Pre Construction Phase		160d		06-Nov-13 A	14-Apr-14	43d
Construction Phase		396d		19-Dec-13 A	07-Dec-14	154d
Construction Submittals		201d		19-Dec-13 A	25-May-14	349d
Procurements		214d		27-Jan-14 A	28-Aug-14	152d
Order		0d		30-Apr-14	30-Apr-14	117d
SHT0940	Start Order valves and other related materials	0d	0%	30-Apr-14		117d
Manufacturing		173d		27-Jan-14 A	28-Aug-14	117d
SHT0970	760 mm pipes and fittings	87d	62.2%	27-Jan-14 A	18-May-14	0d
SHT0980	valves and other related materials	100d	0%	30-Apr-14	28-Aug-14	117d
Delivery		0d				0d
Testing		0d				0d
Construction		297d		01-Feb-14 A	07-Dec-14	87d
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		109d		01-Feb-14 A	17-Jul-14	97d
Road work (Stone boulder & Conc. Walls) St.7+515 to 6+840 LHS		90d		01-Feb-14 A	17-Jul-14	73d
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	10%	01-Feb-14 A	17-Jul-14	73d
SHT1117	Structural excavation for retaining walls	21d	50%	01-Feb-14 A	13-Apr-14	73d
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	21d	0%	01-Apr-14	26-Apr-14	64d
SHT1125	Concrete retaining wall from sta. 6+920 to 6+885 LHS = length (35 LM)	18d	0%	28-Apr-14	19-May-14	63d
Road work (Stone boulder & Conc. Walls)) St.7+140 to 6+900 RHS		0d				0d
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		100d		04-Mar-14 A	10-Jul-14	172d
Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+200		73d		04-Mar-14 A	12-Jun-14	187d
Safety, saw cut asphalt and milling		61d		04-Mar-14 A	12-Jun-14	141d
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	56d	0%	04-Mar-14 A	12-Jun-14	141d
SHT1180	saw cut asphalt	3d	0%	01-Apr-14	03-Apr-14	10d
Pipe Installation		31d		03-Apr-14	11-May-14	5d
SHT1185	Trench excavation for 200 mm Dist. pipeline with length approx. (1200 LM)	21d	0%	03-Apr-14	28-Apr-14	10d
SHT1190	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	0%	14-Apr-14	11-May-14	5d
SHT1195	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	0%	14-Apr-14	11-May-14	5d
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		72d		29-Apr-14	10-Jul-14	172d
Safety, saw cut asphalt and milling		58d		29-Apr-14	10-Jul-14	128d
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	58d	0%	29-Apr-14	10-Jul-14	128d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086		0d				0d



Actual Work | Early Bar | Critical Bar | Milestone | Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

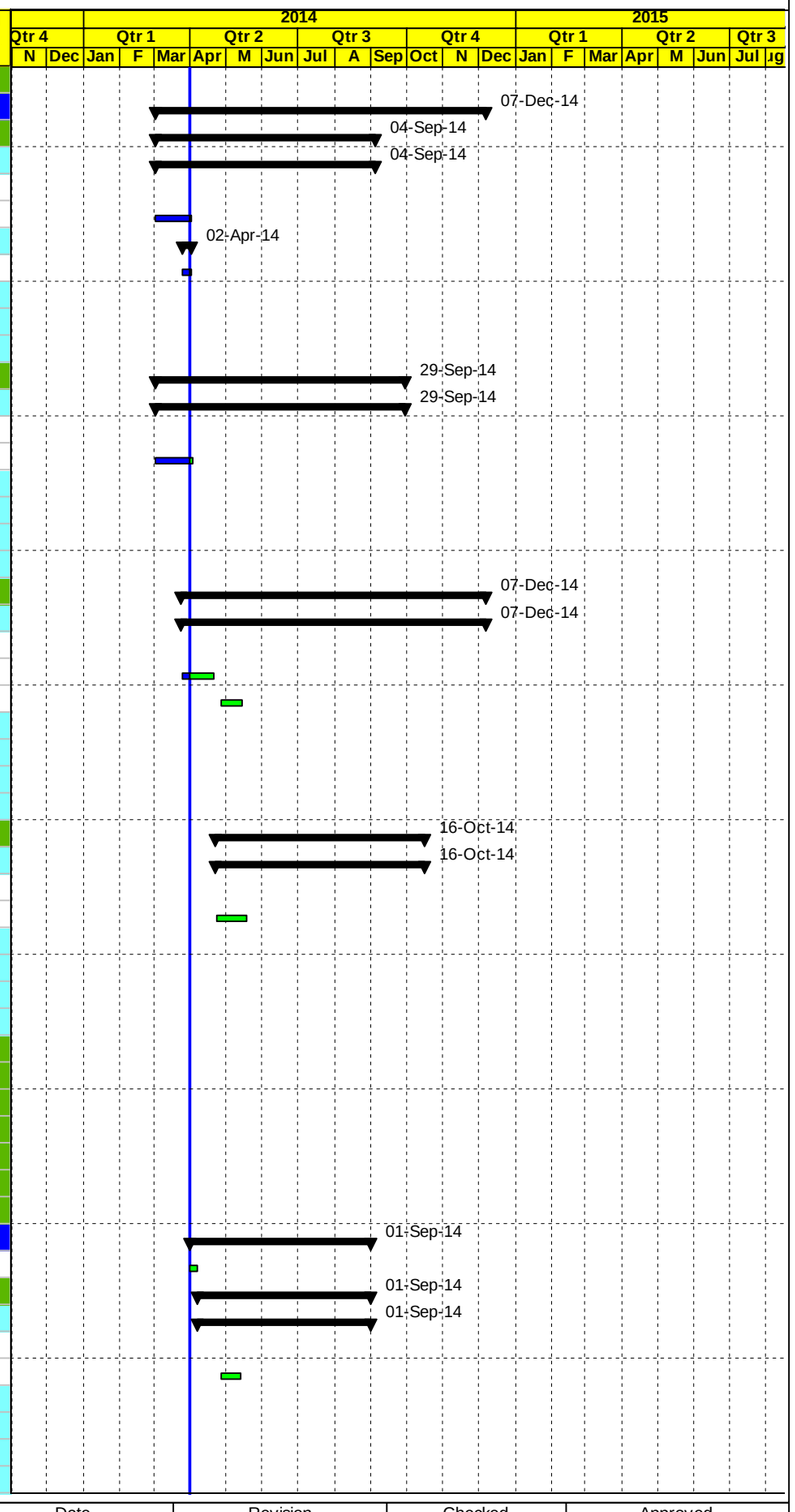
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Halhul Water Distribution Network All Segments		0d				0d
Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980		264d		02-Mar-14 A	07-Dec-14	87d
Main pipelines & (Reconstruction Agricultural road) From Sta.0+000 to Sta.0+630		170d		02-Mar-14 A	04-Sep-14	43d
Safety and Excavation Works		131d		02-Mar-14 A	04-Sep-14	33d
SHT1506	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	131d	10%	02-Mar-14 A	04-Sep-14	33d
SHT1507	Road excavation and backfilling to the required sub grade levels	20d	90%	03-Mar-14 A	02-Apr-14	47d
Pipe Installation		10d		25-Mar-14 A	02-Apr-14	45d
SHT1507-new	Digging	10d	80%	25-Mar-14 A	02-Apr-14	45d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course & Stone Wall		0d				0d
Main pipelines & (Reconstruction Agricultural road) From Sta.0+630 to Sta.1+400		183d		02-Mar-14 A	29-Sep-14	43d
Safety and Excavation Works		143d		02-Mar-14 A	29-Sep-14	33d
SHT1570	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	140d	10%	02-Mar-14 A	29-Sep-14	33d
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	90%	03-Mar-14 A	03-Apr-14	65d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course & Stone Wall		0d				0d
Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200		259d		24-Mar-14 A	07-Dec-14	46d
Safety , Excavation Works and Pipe Culvert		202d		24-Mar-14 A	07-Dec-14	33d
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	3%	24-Mar-14 A	07-Dec-14	33d
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	15%	25-Mar-14 A	21-Apr-14	26d
SHT1660	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	16d	0%	27-Apr-14	15-May-14	152d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course & Stone Wall		0d				0d
Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780		177d		22-Apr-14	16-Oct-14	139d
Safety , Excavation Works and Pipe Culvert		135d		22-Apr-14	16-Oct-14	107d
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	135d	0%	22-Apr-14	16-Oct-14	107d
SHT1750	Road excavation and backfilling to the required sub grade levels	21d	0%	23-Apr-14	18-May-14	26d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Basecourse		0d				0d
Asphalt Works From Sta.0+000 to Sta.2+780		0d				0d
Main pipelines & (Milling & over lay 11m width existing asphalt Road) St. 2+780 to 3+030		0d				0d
Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+780		0d				0d
Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+900 RHS&LHS		0d				0d
Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4+640		0d				0d
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+640-5+300		0d				0d
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+300-5+980		0d				0d
Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980		153d		01-Apr-14	01-Sep-14	159d
SHT2405	Implement traffic control Phase Four	5d	0%	01-Apr-14	06-Apr-14	53d
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		147d		07-Apr-14	01-Sep-14	159d
Safety and Excavation Works		112d		07-Apr-14	01-Sep-14	120d
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	112d	0%	07-Apr-14	01-Sep-14	120d
SHT2420	Road excavation and backfilling to the required subgrade level	14d	0%	27-Apr-14	13-May-14	38d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d



Actual Work | Early Bar | Critical Bar | Milestone | Summary

Date	Revision	Checked	Approved
03-Apr-14			

APCO/ArCon CONSTRUCTION AND SERVICES

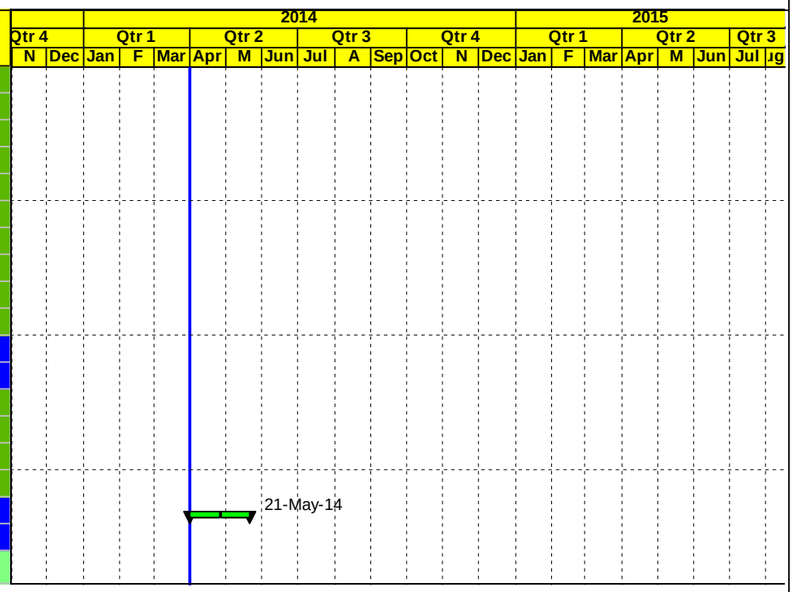
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460	0d				0d
	Main pipelines & (Reconstruction 4m Exist. aspalt Road at residential area) St.10+460 to 9+880	0d				0d
	Main pipelines&(Milling&overlay 11-13m width Exist road at residential area)St.9+880 - 9+070 RHS&LHS	0d				0d
	Main pipelines &(Milling &over lay two lane width Exist road at residential area)St.9+070 -8+240 RHS	0d				0d
	Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+240-7+515 RHS	0d				0d
	Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+070 -7+515 LHS	0d				0d
	Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840 RHS	0d				0d
	Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840LHS	0d				0d
	Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+840 to 6+220	0d				0d
	Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980	0d				0d
	Surge Control System final connection to the booster station	0d				0d
	Final Mechanical connection for main pipeline & distribution net work	0d				0d
	Safety	0d				0d
	Mechanical	0d				0d
	Connection new pipe to existing	0d				0d
	Final Disinfection and Pressure Testing	0d				0d
	Canceled Activities	42d		01-Apr-14	21-May-14	73d
	Concrete and Road Finishing work	0d				0d
Post Construction Phase		0d				0d



Actual Work Early Bar Critical Bar Milestone Summary

Page 3 of 3

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

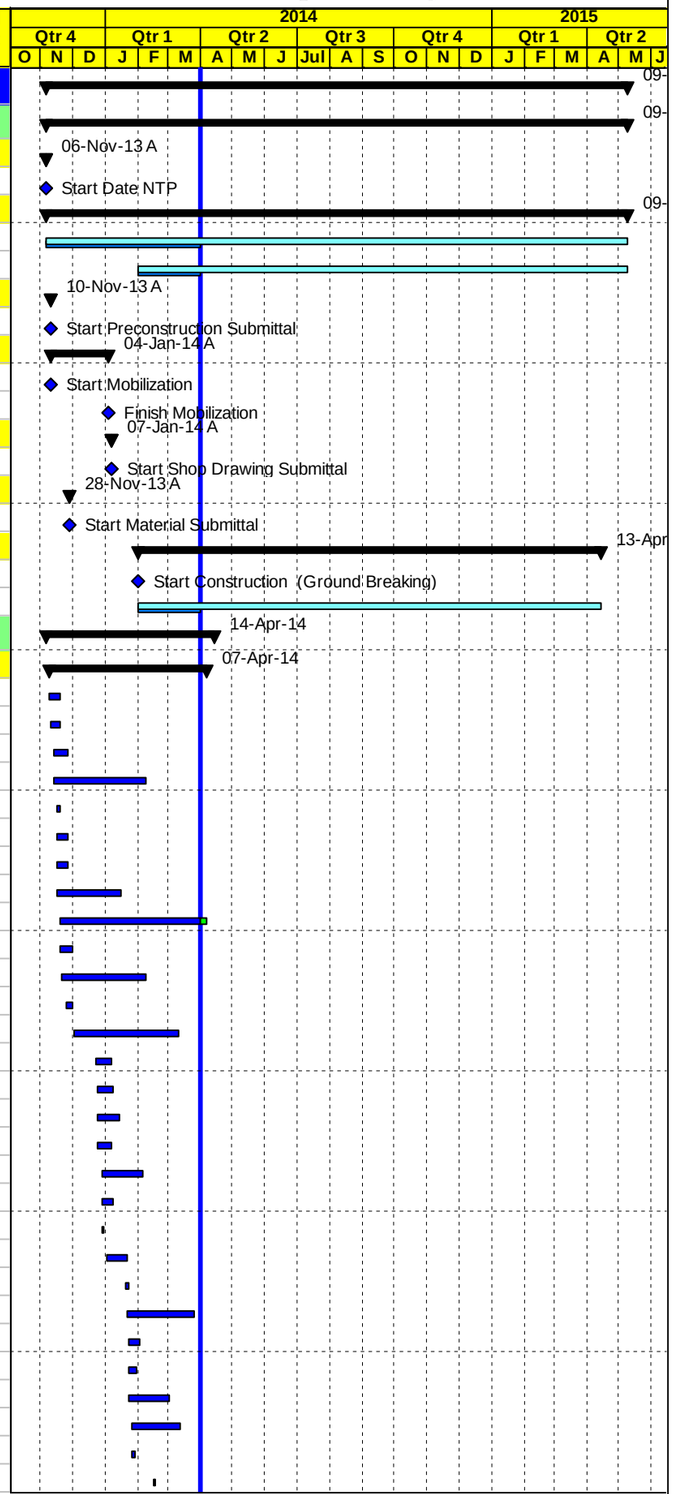
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Deir Sha'aar Main Pipeline Project		550d		06-Nov-13 A	09-May-15	0d
Milestones		550d		06-Nov-13 A	09-May-15	0d
General Milestones		0d		06-Nov-13 A	06-Nov-13 A	
SHT0010	Start Date NTP	0d	100%	06-Nov-13 A		
Task order Duration		550d		06-Nov-13 A	09-May-15	0d
SHT0030	Project Duration (Calendar Days)	550d	26.55%	06-Nov-13 A	09-May-15	0d
SHT0040	Project Duration (Working Days)	425d	26.14%	01-Feb-14 A	09-May-15	0d
Pre Construction Milestones		0d		10-Nov-13 A	10-Nov-13 A	
SHT0050	Start Preconstruction Submittal	0d	100%	10-Nov-13 A		
Mobilization Milestones		23d		10-Nov-13 A	04-Jan-14 A	
SHT0065	Start Mobilization	0d	100%	10-Nov-13 A		
SHT0070	Finish Mobilization	0d	100%		04-Jan-14 A	
Shop Drawing Milestones		0d		07-Jan-14 A	07-Jan-14 A	
SHT0075	Start Shop Drawing Submittal	0d	100%	07-Jan-14 A		
Material Milestones		0d		28-Nov-13 A	28-Nov-13 A	
SHT0090	Start Material Submittal	0d	100%	28-Nov-13 A		
Construction Milestones		332d		01-Feb-14 A	13-Apr-15	1d
SHT1100	Start Construction (Ground Breaking)	0d	100%	01-Feb-14 A		
SHT1105	Construction Duration (Working Days)	332d	12.09%	01-Feb-14 A	13-Apr-15	1d
Pre Construction Phase		148d		06-Nov-13 A	14-Apr-14	43d
Pre Construction Submittals		103d		10-Nov-13 A	07-Apr-14	36d
SHT0120	Scheduling Qualification Submittals	10d	100%	10-Nov-13 A	20-Nov-13 A	
SHT0114	Bank Guarantee Certificates	10d	100%	10-Nov-13 A	20-Nov-13 A	
SHT0116	Field Offices Location & Layout	10d	100%	13-Nov-13 A	27-Nov-13 A	
SHT0118	Field Offices Furniture & Equipment Plan	10d	100%	13-Nov-13 A	09-Feb-14 A	
SHT0136	Temporary and Permanent Project Sign Plan	10d	100%	17-Nov-13 A	19-Nov-13 A	
SHT0138	60-Day Plan of Operation	10d	100%	17-Nov-13 A	27-Nov-13 A	
SHT0140	Project Overview Bar Chart	10d	100%	17-Nov-13 A	27-Nov-13 A	
SHT0122	Submittals Schedule	10d	100%	17-Nov-13 A	16-Jan-14 A	
SHT0130	Subcontractors' profile	10d	50%	19-Nov-13 A	07-Apr-14	36d
SHT0124	Testing Lab	10d	100%	20-Nov-13 A	01-Dec-13 A	
SHT0134	Existing Survey Plan	10d	100%	21-Nov-13 A	09-Feb-14 A	
SHT0146	Coordination with local Authorities Plan including list of permits & and licenses	10d	100%	26-Nov-13 A	01-Dec-13 A	
SHT0150	CPM-Construction Schedule and S-Curve	10d	100%	03-Dec-13 A	11-Mar-14 A	
SHT0128	Insurances	10d	100%	23-Dec-13 A	07-Jan-14 A	
SHT0143	QCP-Quality Control Program (QC/QA PLAN)	10d	100%	25-Dec-13 A	08-Jan-14 A	
SHT0142	Safety Plan	10d	100%	25-Dec-13 A	14-Jan-14 A	
SHT0152	USAID Branding Plan	10d	100%	25-Dec-13 A	07-Jan-14 A	
SHT0144	Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys., paint curb., patching &R. ma	10d	100%	29-Dec-13 A	06-Feb-14 A	
SHT0160-new10	Traffic Control Plan from Sta.7+090 to Sta.7+500 LHS	5d	100%	29-Dec-13 A	08-Jan-14 A	
SHT0126	Key Personnel Plan	10d	100%	30-Dec-13 A	31-Dec-13 A	
SHT0155	Dilapidation Survey	10d	100%	02-Jan-14 A	22-Jan-14 A	
SHT0148	Material Staging ,Storage and dumping Areas Plan	10d	100%	20-Jan-14 A	23-Jan-14 A	
SHT0163	Welding procedure	10d	100%	22-Jan-14 A	26-Mar-14 A	
SHT0157	Environmental Mitigation Plan	10d	100%	23-Jan-14 A	02-Feb-14 A	
SHT0156	Risk Management Plan	10d	100%	23-Jan-14 A	30-Jan-14 A	
SHT0158	Traffic Control Plan from Sta.0+000 to Sta.2+374 -Deir Sha'ar distribution pipeline 8" pipe in Beit Ummer town	10d	100%	23-Jan-14 A	02-Mar-14 A	
SHT0165	Welders Qualifications	10d	100%	26-Jan-14 A	13-Mar-14 A	
SHT0162	Public relation plan	10d	100%	27-Jan-14 A	29-Jan-14 A	
SHT0160	Trench safety plan	10d	100%	16-Feb-14 A	17-Feb-14 A	



Milestone Early Bar | Actual Level of Effort | Level of Effort
Actual Work | Early Bar | Summary
Milestone Actual | Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

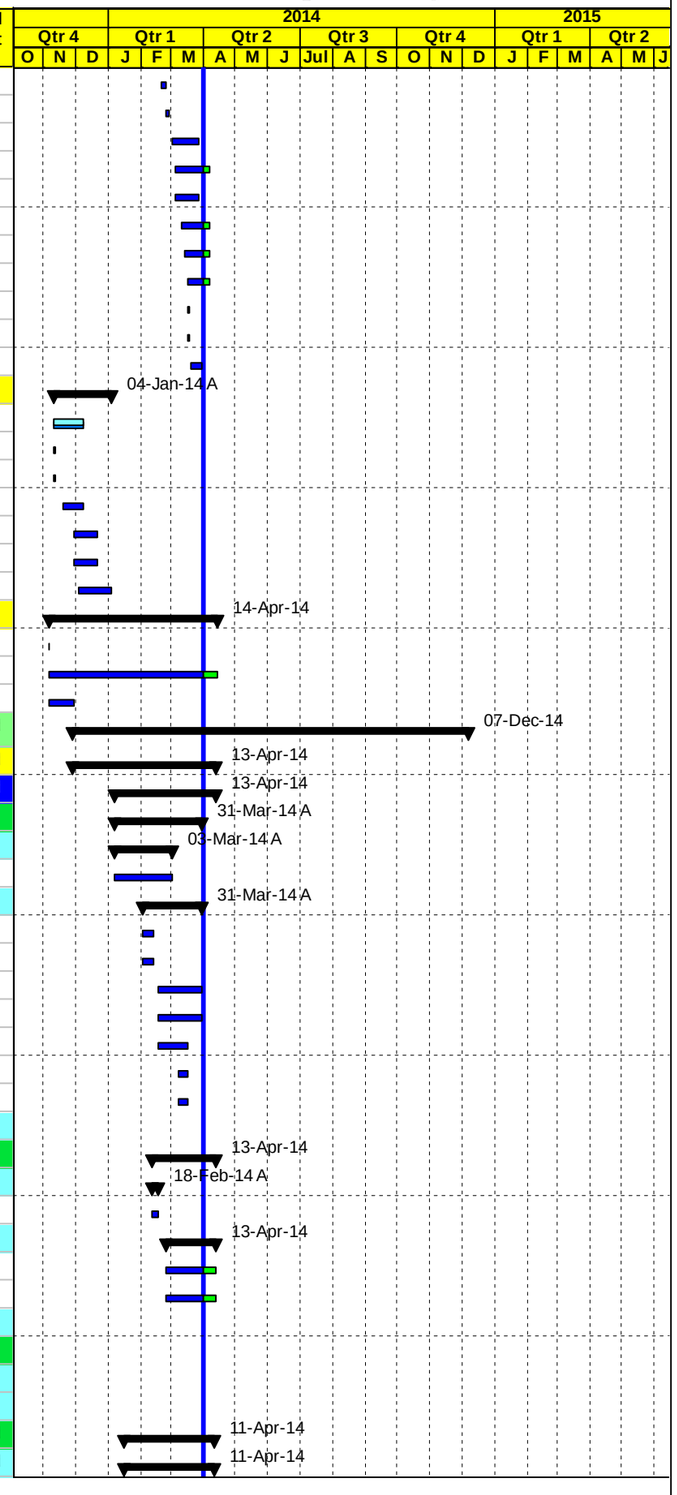
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0164-new	3 inch Procedure Qualification Record (PQR)	10d	100%	20-Feb-14 A	24-Feb-14 A	
SHT0159-new	Traffic Control Plan -Phase I -from Sta.0+000 to Sta.2+800-Deir Sha'ar Water Transmission Project	10d	100%	24-Feb-14 A	27-Feb-14 A	
SHT0200-new	Radiographic Testing Safety Plan	10d	100%	03-Mar-14 A	27-Mar-14 A	
SHT0165-new	6 inch Procedure Qualification Record (PQR)	10d	50%	05-Mar-14 A	07-Apr-14	36d
SHT0166-new	8"-12" Procedure Qualification Record (PQR)	10d	100%	05-Mar-14 A	27-Mar-14 A	
SHT0166	R.T. testing agency qualifications	10d	50%	11-Mar-14 A	07-Apr-14	5d
SHT0203-new	Radiographic Testing (RT) Method Statement	10d	50%	15-Mar-14 A	07-Apr-14	36d
SHT0168-new	Dilapidation Survey -Beit Ummar 8" Network	10d	50%	18-Mar-14 A	07-Apr-14	36d
SHT0196-new	Risk Management Program - Beit Ummar 8" Network	10d	100%	18-Mar-14 A	19-Mar-14 A	
SHT0199-new	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	10d	100%	18-Mar-14 A	19-Mar-14 A	
SHT0167-new	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	10d	100%	20-Mar-14 A	30-Mar-14 A	
Mobilization		23d		11-Nov-13 A	04-Jan-14 A	
SHT0168	Mobilization Total Cost (4.0%)	23d	100%	11-Nov-13 A	08-Dec-13 A	
SHT0170	Site Hand Over	1d	100%	11-Nov-13 A	11-Nov-13 A	
SHT0172	Checking With CMC Existing-Bench Marks, Survey Control Points	2d	100%	11-Nov-13 A	12-Nov-13 A	
SHT0174	Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials)	15d	100%	19-Nov-13 A	08-Dec-13 A	
SHT0176	Supply and install Office Furniture's and Supplies	5d	100%	30-Nov-13 A	22-Dec-13 A	
SHT0178	Supply and install Office IT Equipments & Applience	5d	100%	30-Nov-13 A	22-Dec-13 A	
SHT0180	Install Temporary Project Sign	1d	100%	04-Dec-13 A	04-Jan-14 A	
Conformed Drawings and Coordination		40d		06-Nov-13 A	14-Apr-14	35d
SHT0106	Final for Construction Drawing (Conformed)	1d	100%	06-Nov-13 A	06-Nov-13 A	
SHT0266	Coordination with Israeli authorities for approval and permit area C	40d	70%	06-Nov-13 A	14-Apr-14	35d
SHT0286	Coordination with local Authorities before Construction Project	40d	100%	06-Nov-13 A	30-Nov-13 A	
Construction Phase		396d		28-Nov-13 A	07-Dec-14	154d
Construction Submittals		189d		28-Nov-13 A	13-Apr-14	392d
Shop Drawing Submittals		163d		07-Jan-14 A	13-Apr-14	392d
Plan Profile and Cross Sections		129d		07-Jan-14 A	31-Mar-14 A	
Plan Profile and Cross Sections From St.7+515 to 6+840 Phase One		21d		07-Jan-14 A	03-Mar-14 A	
SHT0188	From St.7+515 to 6+840	21d	100%	07-Jan-14 A	03-Mar-14 A	
Plan Profile and Cross Sections from St. 0+000 to 5+980 Phase Three		99d		03-Feb-14 A	31-Mar-14 A	
SHT0190	From St.0+000 to 0+630	21d	100%	03-Feb-14 A	13-Feb-14 A	
SHT0192	From St.0+630 to 1+200	21d	100%	03-Feb-14 A	13-Feb-14 A	
SHT0200	From St.3+030 to 3+780	21d	100%	17-Feb-14 A	31-Mar-14 A	
SHT0198	From St. 2+780 to 3+030	21d	100%	17-Feb-14 A	31-Mar-14 A	
SHT0202	From St. 3+780 to 3+900	21d	100%	17-Feb-14 A	17-Mar-14 A	
SHT0194	From St.1+200 to 2+200	21d	100%	09-Mar-14 A	17-Mar-14 A	
SHT0196	From St.2+200 to 2+780	21d	100%	09-Mar-14 A	17-Mar-14 A	
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		0d				0d
Pipeline		74d		12-Feb-14 A	13-Apr-14	66d
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		21d		12-Feb-14 A	18-Feb-14 A	
SHT0220	Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 2+374	21d	100%	12-Feb-14 A	18-Feb-14 A	
Waterline from St. 0+000 to 5+980 PhaseThree		42d		24-Feb-14 A	13-Apr-14	54d
SHT0224	Waterline From St.0+000 to 0+630	21d	50%	24-Feb-14 A	13-Apr-14	36d
SHT0226	Waterline From St.0+630 to 1+400	21d	50%	24-Feb-14 A	13-Apr-14	54d
Waterline from St. 11+460 to 5+980 Phase Four		0d				0d
Connection and Valves Chambers		0d				0d
Civil		0d				0d
Mechanical		0d				0d
Concrete walls		153d		16-Jan-14 A	11-Apr-14	394d
Concrete walls Phase One		153d		16-Jan-14 A	11-Apr-14	394d



◇ Milestone Early Bar — Actual Level of Effort — Level of Effort
Actual Work — Early Bar — Summary
◆ Milestone Actual — Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

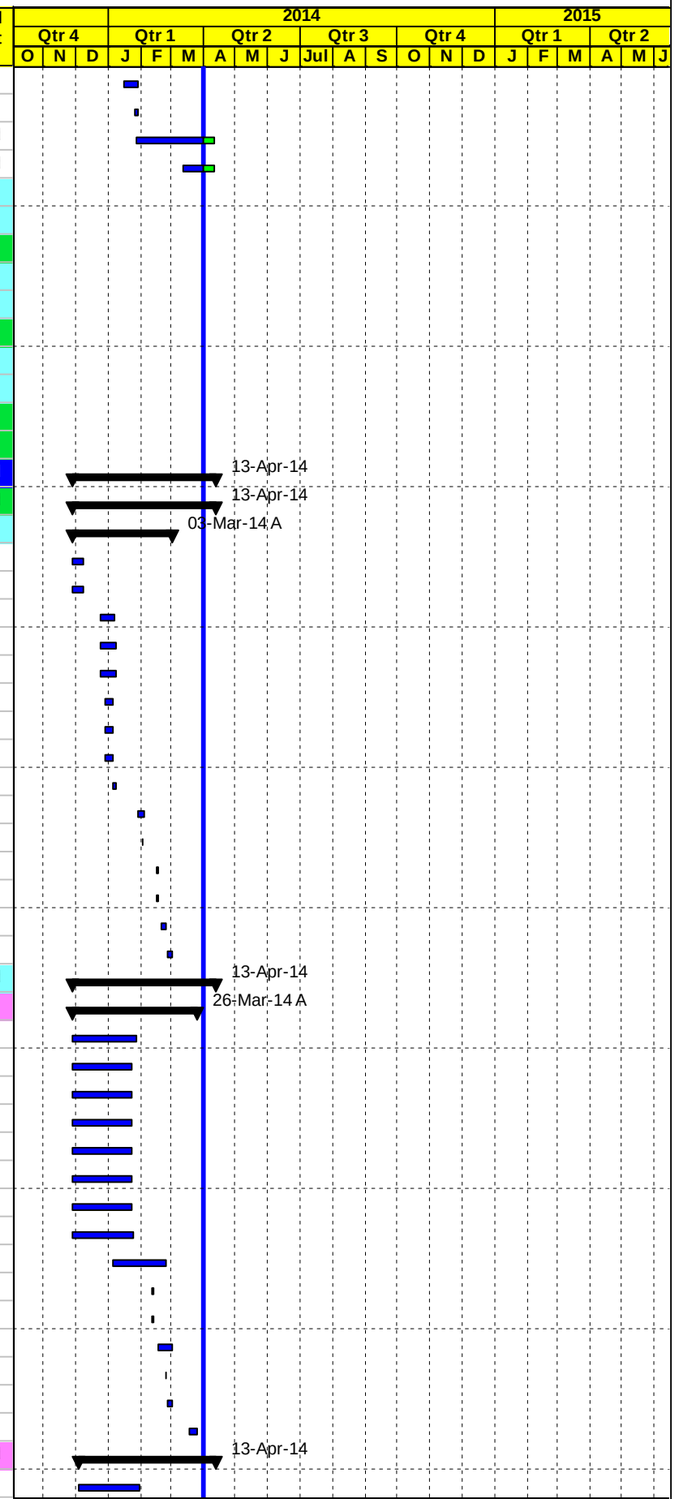
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0304-new	Retaining wall from Sta. Sta.7+093 to Sta.7+220 LHS total length (127LM)	21d	100%	16-Jan-14 A	29-Jan-14 A	
SHT0306-new	Formwork Design for Retaining Work	21d	100%	26-Jan-14 A	29-Jan-14 A	
SHT0305-new	Retaining wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	21d	50%	28-Jan-14 A	11-Apr-14	394d
SHT0308-new	Retaining Wall from Sta.7+220 to Sta.7+376 LHS	21d	50%	13-Mar-14 A	11-Apr-14	394d
Concrete walls Phase Three		0d				0d
Concrete walls Phase Four		0d				0d
Pipe Culverts		0d				0d
Pipe Culverts Phase Three		0d				0d
Pipe Culverts Phase Four		0d				0d
Stone Boulder		0d				0d
Stone Boulder Phase One		0d				0d
Stone Boulder Phase Three		0d				0d
Concrete curbstone and side walk Phase Four		0d				0d
Others		0d				0d
Material Submittals		126d		28-Nov-13 A	13-Apr-14	121d
Submittals including Manufacturers Qualifications , Shop Test, Product Data		126d		28-Nov-13 A	13-Apr-14	121d
Material Submittal Roads		111d		28-Nov-13 A	03-Mar-14 A	
SHT0480	Cat eyes	21d	100%	28-Nov-13 A	09-Dec-13 A	
SHT0485	Thermoplastic paint	21d	100%	28-Nov-13 A	09-Dec-13 A	
SHT0380	Concrete Mix Design including cement type	21d	100%	25-Dec-13 A	07-Jan-14 A	
SHT0445	Bituminous Wearing Course-Mix Design	21d	100%	25-Dec-13 A	08-Jan-14 A	
SHT0500	Curbstone paint material	21d	100%	25-Dec-13 A	08-Jan-14 A	
SHT0415	Concrete Pipes	21d	100%	30-Dec-13 A	06-Jan-14 A	
SHT0490	Guard Rail	21d	100%	30-Dec-13 A	06-Jan-14 A	
SHT0460	Concrete joint sealant material	21d	100%	30-Dec-13 A	06-Jan-14 A	
SHT0495	Traffic sign	21d	100%	05-Jan-14 A	08-Jan-14 A	
SHT0405	Base Course Source	21d	100%	29-Jan-14 A	04-Feb-14 A	
SHT0390	Steel Reinforcement	21d	100%	02-Feb-14 A	03-Feb-14 A	
SHT0455	Concrete Repair	21d	100%	16-Feb-14 A	18-Feb-14 A	
SHT0385	Formwork material	21d	100%	16-Feb-14 A	18-Feb-14 A	
SHT0566-new	Damp proofing	21d	100%	20-Feb-14 A	24-Feb-14 A	
SHT0565-new	Protection Board Sample	21d	100%	26-Feb-14 A	03-Mar-14 A	
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		102d		28-Nov-13 A	13-Apr-14	121d
Pipes		97d		28-Nov-13 A	26-Mar-14 A	
SHT0510	Steel pipeline 760 mm	21d	100%	28-Nov-13 A	28-Jan-14 A	
SHT0515	Steel pipeline 300 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0520	Steel pipeline 200 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0525	Steel pipeline 150 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0530	Steel pipeline 100 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0535	Steel pipeline 75 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0548	Steel pipeline 250 mm	21d	100%	28-Nov-13 A	23-Jan-14 A	
SHT0557	Steel pipeline 50 mm	21d	100%	28-Nov-13 A	25-Jan-14 A	
SHT0559	Shrinkable sheet	21d	100%	05-Jan-14 A	24-Feb-14 A	
SHT0543	Bedding material	21d	100%	12-Feb-14 A	13-Feb-14 A	
SHT0547	Backfilling material	21d	100%	12-Feb-14 A	13-Feb-14 A	
SHT0560	Warning tape	21d	100%	18-Feb-14 A	02-Mar-14 A	
SHT0561-new	Non-shrink cementitious mortar - Fosroc	21d	100%	25-Feb-14 A	25-Feb-14 A	
SHT0562-new	4" PVC Weep Pipe	21d	100%	26-Feb-14 A	02-Mar-14 A	
SHT0563-new	Galvanized Steel pipeline 0.5", 0.75",1",1.5",2"	21d	100%	19-Mar-14 A	26-Mar-14 A	
Manholes and chambers		77d		05-Dec-13 A	13-Apr-14	121d
SHT0563	Air ventilation pipes	21d	100%	05-Dec-13 A	30-Jan-14 A	



Milestone Early Bar | Actual Level of Effort | Level of Effort
Actual Work | Early Bar | Summary
Milestone Actual | Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

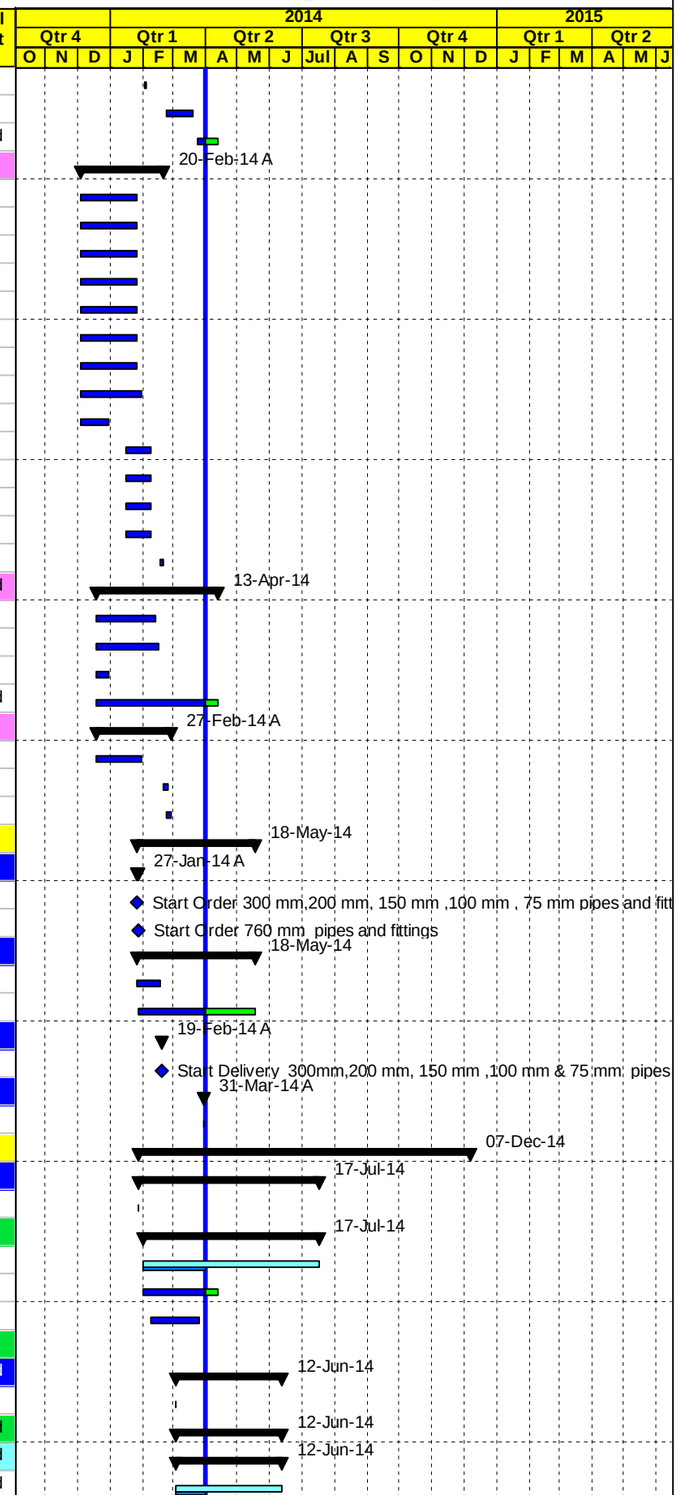
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0575	Steel flanges	21d	100%	02-Feb-14 A	04-Feb-14 A	
SHT0580	Rubber Gaskets	21d	100%	23-Feb-14 A	20-Mar-14 A	
SHT0585	Bolts ,washers & nuts	21d	50%	24-Mar-14 A	13-Apr-14	121d
Valves & fittings including Design calculations of fitting		57d		04-Dec-13 A	20-Feb-14 A	
SHT0600	Butterfly. valves 760 mm	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0605	Butterfly.valves 500 mm	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0610	Butterfly. valves400 mm	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0615	Gate valves 250. with Actuators	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0620	Gate valves 150 with Actuators	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0625	Gate valves 100. with Actuators	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0630	Gate valves 75.	21d	100%	04-Dec-13 A	26-Jan-14 A	
SHT0645	Combination Air relief valves	21d	100%	05-Dec-13 A	30-Jan-14 A	
SHT0655	Dismantling Joint	21d	100%	05-Dec-13 A	31-Dec-13 A	
SHT0650	Mechanical coupling	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0660	Steel Elbows	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0665	Steel Tees	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0670	Steel reducers	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0691-new	Galvanized Malleable Iron Fittings up to 2"- Modgal	5d	100%	18-Feb-14 A	20-Feb-14 A	
Control Valves		57d		19-Dec-13 A	13-Apr-14	121d
SHT0700	Pressure reducing valves	21d	100%	19-Dec-13 A	13-Feb-14 A	
SHT0705	Flow control valves	21d	100%	19-Dec-13 A	16-Feb-14 A	
SHT0710	Pressure relief valves	21d	100%	19-Dec-13 A	31-Dec-13 A	
SHT0740	Swing check valve (8"-PN16)	21d	50%	19-Dec-13 A	13-Apr-14	121d
Others		53d		19-Dec-13 A	27-Feb-14 A	
SHT0785	Strainers.	21d	100%	19-Dec-13 A	30-Jan-14 A	
SHT0788	protective lining and coating	21d	100%	20-Feb-14 A	24-Feb-14 A	
SHT0911-new	Spacers	5d	100%	23-Feb-14 A	27-Feb-14 A	
Procurements		105d		27-Jan-14 A	18-May-14	0d
Order		18d		27-Jan-14 A	27-Jan-14 A	
SHT0920	Start Order 300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	0d	100%	27-Jan-14 A		
SHT0930	Start Order 760 mm pipes and fittings	0d	100%	27-Jan-14 A		
Manufacturing		105d		27-Jan-14 A	18-May-14	0d
SHT0960	300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	46d	100%	27-Jan-14 A	18-Feb-14 A	
SHT0970	760 mm pipes and fittings	87d	62.2%	27-Jan-14 A	18-May-14	0d
Delivery		0d		19-Feb-14 A	19-Feb-14 A	
SHT1000	Start Delivery 300mm,200 mm, 150 mm ,100 mm & 75 mm pipes and fittings	0d	100%	19-Feb-14 A		
Testing		3d		31-Mar-14 A	31-Mar-14 A	
SHT1040	Start Testing 300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	3d	100%	31-Mar-14 A	31-Mar-14 A	
Construction		297d		28-Jan-14 A	07-Dec-14	46d
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		109d		28-Jan-14 A	17-Jul-14	97d
SHT1095	Start Implement traffic control Phase One	5d	100%	28-Jan-14 A	28-Jan-14 A	
Road work (Stone boulder & Conc. Walls) St.7+515 to 6+840 LHS		90d		01-Feb-14 A	17-Jul-14	73d
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	10%	01-Feb-14 A	17-Jul-14	73d
SHT1117	Structural excavation for retaining walls	21d	50%	01-Feb-14 A	13-Apr-14	73d
SHT1385-new	Concrete retaining wall from sta. 7+170 to 7+095 LHS = length (75 LM)	21d	100%	09-Feb-14 A	26-Mar-14 A	
Road work (Stone boulder & Conc. Walls)) St.7+140 to 6+900 RHS		0d				0d
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		73d		04-Mar-14 A	12-Jun-14	187d
SHT1174	Start Implement traffic control Phase Two	5d	100%	04-Mar-14 A	04-Mar-14 A	
Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+200		67d		04-Mar-14 A	12-Jun-14	187d
Safety, saw cut asphalt and milling		56d		04-Mar-14 A	12-Jun-14	141d
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	56d	0%	04-Mar-14 A	12-Jun-14	141d



Milestone Early Bar | Actual Level of Effort | Level of Effort
Actual Work | Early Bar | Summary
Milestone Actual | Critical Bar

Date	Revision	Checked	Approved
03-Apr-14			

APCO ArCon CONSTRUCTION AND SERVICES

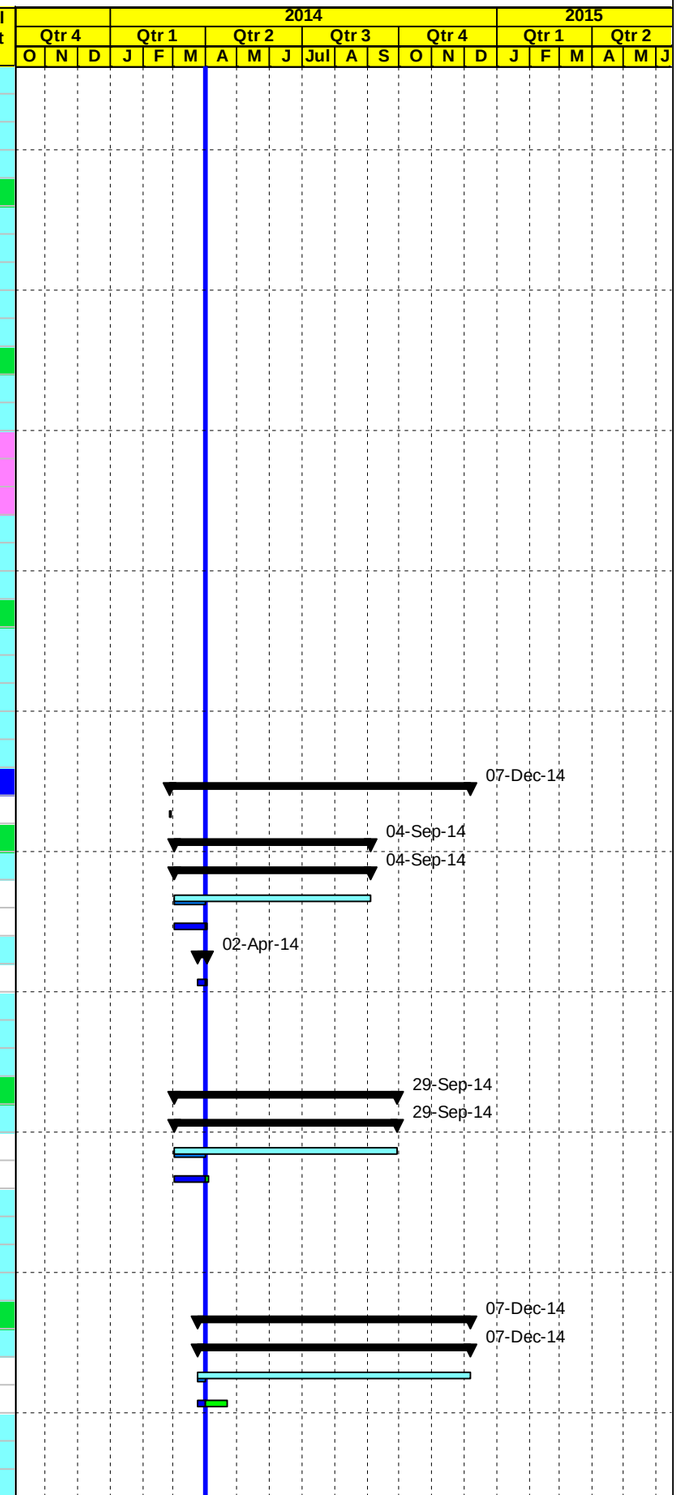
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Asphalt	0d				0d
	Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374	0d				0d
	Safety, saw cut asphalt and milling	0d				0d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Asphalt	0d				0d
	Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086	0d				0d
	Safety, saw cut asphalt and milling	0d				0d
	Pipe Installation	0d				0d
	150 mm Dist. pipelines	0d				0d
	Double 150 & 100 mm Dist. pipelines	0d				0d
	100 mm Dist. pipeline	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Asphalt	0d				0d
	Halhul Water Distribution Network All Segments	0d				0d
	Safety, saw cut asphalt and milling	0d				0d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Asphalt	0d				0d
	Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980	264d		26-Feb-14 A	07-Dec-14	46d
SHT1097	Start Implement traffic control Phase Three	5d	100%	26-Feb-14 A	27-Feb-14 A	
	Main pipelines & (Reconstruction Agricultural road) From Sta.0+000 to Sta.0+630	170d		02-Mar-14 A	04-Sep-14	43d
	Safety and Excavation Works	131d		02-Mar-14 A	04-Sep-14	33d
SHT1506	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	131d	10%	02-Mar-14 A	04-Sep-14	33d
SHT1507	Road excavation and backfilling to the required sub grade levels	20d	90%	03-Mar-14 A	02-Apr-14	47d
	Pipe Installation	10d		25-Mar-14 A	02-Apr-14	45d
SHT1507-new	Digging	10d	80%	25-Mar-14 A	02-Apr-14	45d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Base course & Stone Wall	0d				0d
	Main pipelines & (Reconstruction Agricultural road) From Sta.0+630 to Sta.1+400	183d		02-Mar-14 A	29-Sep-14	43d
	Safety and Excavation Works	143d		02-Mar-14 A	29-Sep-14	33d
SHT1570	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	140d	10%	02-Mar-14 A	29-Sep-14	33d
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	90%	03-Mar-14 A	03-Apr-14	65d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Base course & Stone Wall	0d				0d
	Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200	259d		24-Mar-14 A	07-Dec-14	46d
	Safety , Excavation Works and Pipe Culvert	202d		24-Mar-14 A	07-Dec-14	33d
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	3%	24-Mar-14 A	07-Dec-14	33d
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	15%	25-Mar-14 A	21-Apr-14	26d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d



Milestone Early Bar | Actual Level of Effort | Level of Effort
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APCO ArCon CONSTRUCTION AND SERVICES

Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	Base course & Stone Wall	0d				0d
	Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780	0d				0d
	Asphalt Works From Sta.0+000 to Sta.2+780	0d				0d
	Main pipelines & (Milling & over lay 11m width existing asphalt Road) St. 2+780 to 3+030	0d				0d
	Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+780	0d				0d
	Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+900 RHS&LHS	0d				0d
	Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4+640	0d				0d
	Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+640-5+300	0d				0d
	Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+300-5+980	0d				0d
	Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980	0d				0d
	Surge Control System final connection to the booster station	0d				0d
	Final Mechanical connection for main pipeline & distribution net work	0d				0d
	Canceled Activities	0d				0d
	Concrete and Road Finishing work	0d				0d
	Post Construction Phase	0d				0d
	Post Construction Submittals	0d				0d
	Start up, Training and commissioning	0d				0d
	Demobilization	0d				0d
	Post Construction activities	0d				0d

2014														2015					
Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2		
O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J

◇ Milestone Early Bar — Actual Level of Effort — Level of Effort
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◆ Milestone Actual — Critical Bar

Page 6 of 6

Date	Revision	Checked	Approved
03-Apr-14			

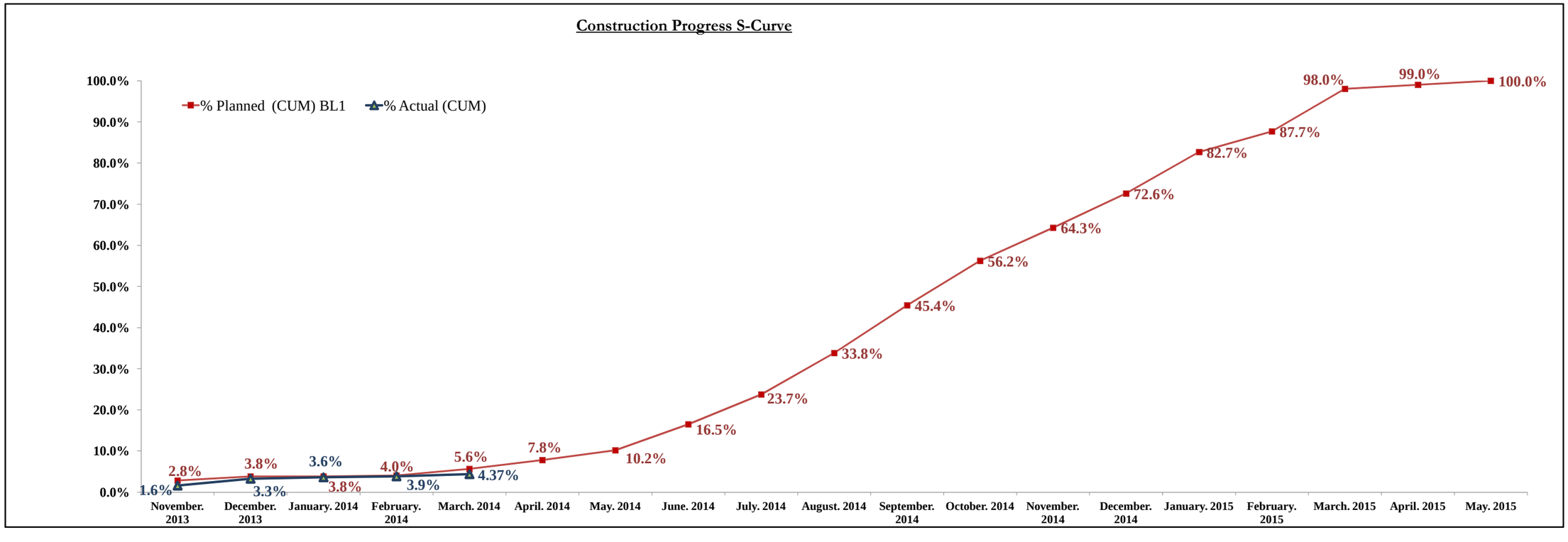
C | Progress S-Curve Versus Actual

Construction Progress S-Curve

Total Contract Value (Orginal): $ 16,512,214
Total Contract Value (Day Work Not Included): $ 15,612,214
Project Duration : 550 Calender Days
NTP Date: 7-Nov-13

*** Day Work Not Included**

	November. 2013	December. 2013	January. 2014	February. 2014	March. 2014	April. 2014	May. 2014	June. 2014	July. 2014	August. 2014	September. 2014	October. 2014	November. 2014	December. 2014	January. 2015	February. 2015	March. 2015	April. 2015	May. 2015	TOTAL
Planned Value (Baseline1)	$ 439,599	$ 155,152		$ 34,048	$ 250,497	$ 335,153	$ 372,185	$ 989,152	$ 1,130,010	$ 1,572,889	$ 1,809,809	$ 1,691,932	$ 1,253,124	$ 1,299,775	$ 1,575,815	$ 784,886	$ 1,610,997	$ 158,504	$ 148,688	$ 15,612,214
Planned Value (CUM)	$ 439,599	$ 594,751	$ 594,751	$ 628,799	$ 879,296	$ 1,214,449	$ 1,586,634	$ 2,575,786	$ 3,705,797	$ 5,278,685	$ 7,088,494	$ 8,780,427	$10,033,550	$ 11,333,325	$ 12,909,140	$ 13,694,026	$ 15,305,022	$ 15,463,526	$ 15,612,214	
% Planned	2.8%	1.0%	0.0%	0.2%	1.6%	2.1%	2.4%	6.3%	7.2%	10.1%	11.6%	10.8%	8.0%	8.3%	10.1%	5.0%	10.3%	1.0%	1.0%	**100%**
% Planned (CUM) BL1	2.8%	3.8%	3.8%	4.0%	5.6%	7.8%	10.2%	16.5%	23.7%	33.8%	45.4%	56.2%	64.3%	72.6%	82.7%	87.7%	98.0%	99.0%	100.0%	
Actual Value	$ 251,915	$ 257,722	$ 55,114	$ 36,785	$ 81,393															$ 682,929
Actual Value (CUM)	$ 251,915	$ 509,637	$ 564,751	$ 601,536	$ 682,929															
% Actual	1.6%	1.7%	0.4%	0.2%	0.5%															4.37%
% Actual (CUM)	1.6%	3.3%	3.6%	3.9%	4.37%															



D | Site Memos Log

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Site Memo Log (E-C)

SUBMITTAL				TRACKING DATES	
Spec. No.	Submittal No	Subject	Project	Submitted on (M/D/Y)	Remarks
	SUB-13-00016-SHT-E-C-001	Road Center Line from Sta.3+030 to Sta.3+800	SHT	02/09/14	Site Instruction
	SUB-13-00016-SHT-E-C-002	Right of way from Sta.7+093 to Sta.7+196.5	SHT	03/02/14	Site Instruction
	SUB-13-00016-SHT-E-C-003	Retaining Wall Design from Sta.7+200 to Sta.7+220	SHT	03/24/14	Site Instruction

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Site Memo Log (C-E)

SUBMITTAL				TRACKING DATES	
Spec. No.	Submittal No	Subject	Project	Submitted on (M/D/Y)	Remarks
	SM-13-00016-SHT-C-E-001	Signed Right of Way from Sta.6+800 to Sta.7+515	SHT	03/17/14	Other
	SM-13-00016-SHT-C-E-002	Signed Eleminate Pipe Culvert from Beit Omar Municipality	SHT	03/30/14	Other
	SM-13-00016-SHT-C-E-003	Out Fall Location for Pipe Culvert	SHT	03/30/14	Other

E | Inspection Requests Log

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #16, Deir Sha'ar Main Pipeline Project

Inspection Request Log

Inspection Request			TRACKING DATES				Approval Status
Spec. No.	Inspection Request #	Description	Submitted on (M/D/Y)	Inspection Date	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00016-SHT-001-A	NGL level & CL of retaining wall - From st.7+093 to st.7+220	26-Jan-14	27-Jan-14	29-Jan-14	2	C
	IR-13-00016-SHT-001-A 2nd Ispection	NGL level & CL of retaining wall - From st.7+093 to st.7+220	30-Jan-14	30-Jan-14	3-Feb-14	4	A
	IR-13-00016-SHT-002-A	Safety Plan - From st.6+680 to st.7+715	28-Jan-14	29-Jan-14	29-Jan-14	0	C
	IR-13-00016-SHT-002-A 2nd Inspection	Safety Plan - From st.6+680 to st.7+715	30-Jan-14	30-Jan-14	3-Feb-14	4	A
	IR-13-00016-SHT-003-A	Inspection for the excavation level of the retaining wall foundation before blind concrete (10cm) & the coordinate of exterior Edge of retaining wall. From	6-Feb-14	6-Feb-14	9-Feb-14	3	A
	IR-13-00016-SHT-004-A	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	6-Feb-14	8-Feb-14	9-Feb-14	1	C
	IR-13-00016-SHT-004-A - 2nd Inspection	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	9-Feb-14	9-Feb-14	10-Feb-14	1	D
	IR-13-00016-SHT-004-B	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	20-Feb-14	20-Feb-14	20-Feb-14	0	A
	IR-13-00016-SHT-005-A	Inspection for Casting blinding concrete, From st.7+093 to st.7+170	6-Feb-14	8-Feb-14	9-Feb-14	1	C
	IR-13-00016-SHT-005-A - 2nd Inspection	Inspection for Casting blinding concrete, From st.7+093 to st.7+171	9-Feb-14	9-Feb-14	10-Feb-14	1	D
	IR-13-00016-SHT-005-B	Inspection for Casting blinding concrete, From st.7+093 to st.7+170	20-Feb-14	20-Feb-14	20-Feb-14	0	A
	IR-13-00016-SHT-006-A	Inspection to attend taking sample by Building Center Laboratory from the steel on the site before starting the steel work. At Halhul Site	20-Feb-14	20-Feb-14	20-Feb-14	0	A
	IR-13-00016-SHT-007-A	Inspection for formworks & Steel works for casting foundation concrete, From st.7+093 to st.7+170	25-Feb-14	February 25, 2014	26-Feb-14	1	A
	IR-13-00016-SHT-008-A	Inspection for traffic plan, From st.0+000 to st.2+700	27-Feb-14	March 1, 2014	3-Mar-14	2	C
	IR-13-00016-SHT-008-B	Inspection for traffic plan, From st.0+000 to st.2+701	3-Mar-14	March 3, 2014	3-Mar-14	0	A
	IR-13-00016-SHT-009-A	Inspection the marking of center line points before Road Excavation, From st.0+300 to st.1+200	27-Feb-14	March 1, 2014	3-Mar-14	2	C
	IR-13-00016-SHT-009-B	Inspection the marking of center line points before Road Excavation, From st.0+300 to st.1+201	5-Mar-14	March 3, 2014	3-Mar-14	0	A
	IR-13-00016-SHT-010-A	Inspection for top level of the retaining wall, From st.7+095 to st.7+170	2-Mar-14	March 2, 2014	3-Mar-14	1	A
	IR-13-00016-SHT-011-A	Inspection the marking of center line points before Road Excavation, From st.0+080 to st.0+300	2-Mar-14	March 3, 2014	5-Mar-14	2	A
	IR-13-00016-SHT-012-A	Inspection for Steel Works for the wall - From st.7+096 to st.7+107	4-Mar-14	March 4, 2014	5-Mar-14	1	A
	IR-13-00016-SHT-013-A	Inspection for steel works for the wall before close shuttering - Retaining Wall from st.7+118 to st.7+129	5-Mar-14	March 5, 2014	6-Mar-14	1	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #16, Deir Sha'ar Main Pipeline Project

Inspection Request Log

Inspection Request			TRACKING DATES				Approval Status
Spec. No.	Inspection Request #	Description	Submitted on (M/D/Y)	Inspection Date	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00016-SHT-014-A	Inspection for the formwork for the reinforced retaining wall before casting concrete Retaining Wall from st.7+096 to st.7+107	6-Mar-14	March 6, 2014	6-Mar-14	0	A
	IR-13-00016-SHT-015-A	Inspection for casting concrete for the retaining wall. Retaining Wall from st.7+096 to st.7+107	6-Mar-14	March 8, 2014	9-Mar-14	1	C
	IR-13-00016-SHT-015-B	Inspection for casting concrete for the retaining wall. Retaining Wall from st.7+096 to st.7+107	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-016-A	Inspection for traffic plan along 8" Beit Omar Network From st. 0+000 to st.2+374	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-017-A	Inspection for the formwork for the reinforced retaining wall before casting concrete, From st. 7+118 to st.7+129	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-018-A	Inspection for steel works for the wall before close shuttering - Retaining Wall from st. 7+140 to st.7+151	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-019-A	Inspection for steel works for the wall before close shuttering - Retaining Wall from st. 7+160 to st.7+170	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-020-A	Inspection for casting concrete for the retaining wall. Retaining Wall From st. 7+118 to st.7+129	9-Mar-14	March 9, 2014	9-Mar-14	0	A
	IR-13-00016-SHT-021-A	Inspection for steel works & formwork for the wall of the retaining wall before casting concrete - Retaining Wall From st. 7+140 to st.7+150 & from st 7+160 to st.7+170	10-Mar-14	March 11, 2014	11-Mar-14	0	A
	IR-13-00016-SHT-022-A	Inspection casting concrete for the wall of the retaining wall- Retaining Wall From st. 7+140 to st.7+150 & from st 7+160 to st.7+171	11-Mar-14	March 11, 2014	11-Mar-14	0	A
	IR-13-00016-SHT-023-A	Inspection for Storage Yard.	17-Mar-14	March 17, 2014	17-Mar-14	0	C
	IR-13-00016-SHT-023-B	Inspection for Storage Yard.	24-Mar-14	March 24, 2014	24-Mar-14	0	C
	IR-13-00016-SHT-023-C	Inspection for Storage Yard.	31-Mar-14	March 31, 2014	1-Apr-14	1	A
	IR-13-00016-SHT-024-A	NGL level & Coordinates of edge of the wall From St. 7+389 to st.7+410 & from st.7+441 to st.7+505	18-Mar-14	March 18, 2014	20-Mar-14	2	A
	IR-13-00016-SHT-025-A	Inspection for steel works for the wall before close shuttering Retaining Wall from st. 7+107 to st.7+118 & from st.7+129 to st.7+140	19-Mar-14	March 19, 2014	20-Mar-14	1	A
	IR-13-00016-SHT-026-A	Inspection for steel works for the wall before close shuttering , Retaining Wall from st.7+150 to st.7+160	23-Mar-14	March 23, 2014	24-Mar-14	1	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #16, Deir Sha'ar Main Pipeline Project

Inspection Request Log

Inspection Request			TRACKING DATES				Approval Status
Spec. No.	Inspection Request #	Description	Submitted on (M/D/Y)	Inspection Date	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00016-SHT-027-A	Inspection for the coordinates & levels of NGL for centerline from st.1+200 to st.2+500	24-Mar-14	March 24, 2014	24-Mar-14	0	A
	IR-13-00016-SHT-028-A	Inspection for 8" pipes hand over	24-Mar-14	March 24, 2014	24-Mar-14	0	C
	IR-13-00016-SHT-028-B	Inspection for 8" pipes hand over	31-Mar-14	March 31, 2014	1-Apr-14	1	C
	IR-13-00016-SHT-029-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st. 7+107 to st.7+118	24-Mar-14	March 24, 2014	24-Mar-14	0	A
	IR-13-00016-SHT-030-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st.7+129 to st.7+140	24-Mar-14	March 24, 2014	24-Mar-14	0	A
	IR-13-00016-SHT-031-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st.7+150 to st.7+160	24-Mar-14	March 24, 2014	24-Mar-14	0	A
	IR-13-00016-SHT-032-A	Inspection for fabrication of elbows in the workshop.	31-Mar-14	March 31, 2014	1-Apr-14	1	A

DV = Division A= No Exceptions Noted B = Make Corrections Noted C = Amend-Resubmit D= Rejected-Resubmit E= Review Not Required

F | Submittals Log for the Reporting Period

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

SUBMITTAL					TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00016-SHT-001-A	Schedule for Pre Construction Submittals & Mobilization	SHT	P	11/10/13	12/10/13	11/20/13	10	E
	SUB-13-00016-SHT-002-A	Bank Guarantee	SHT	P	11/10/13	12/10/13	11/19/13	9	E
	SUB-13-00016-SHT-003-A	Field Offices Furniture and Equipment Plan	SHT	P	11/13/13	12/13/13	11/20/13	7	C
	SUB-13-00016-SHT-003-B	Field Offices Furniture and Equipment Plan	SHT	P	11/26/13	12/26/13	12/01/13	5	B
	SUB-13-00016-SHT-004-A	CMC Field Office Location and Layout -Primary Office (Halhul)	SHT	P	11/13/13	12/13/13	11/27/13	14	B
	SUB-13-00016-SHT-005-A	Scheduling Qualification Submittal	SHT	P	11/17/13	12/17/13	11/20/13	3	A
	SUB-13-00016-SHT-006-A	Temporary and Permanent Signs Plan	SHT	P	11/17/13	12/17/13	11/19/13	2	B
	SUB-13-00016-SHT-007-A	60-Day Plan of Operation	SHT	P	11/17/13	12/17/13	11/27/13	10	B
	SUB-13-00016-SHT-008-A	Project Overview Bar Chart and Master Plan	SHT	P	11/17/13	12/17/13	11/27/13	10	B
	SUB-13-00016-SHT-009-A	Submittal Schedule	SHT	P	11/17/13	12/17/13	12/04/13	17	C
	SUB-13-00016-SHT-009-B	Submittal Schedule	SHT	P	12/22/13	01/21/14	12/31/13	9	C
	SUB-13-00016-SHT-009-C	Submittal Schedule	SHT	P	01/14/14	02/13/14	01/16/14	2	B
	SUB-13-00016-SHT-010-A	Testing Labs	SHT	P	11/20/13	12/20/13	12/01/13	11	B
	SUB-13-00016-SHT-011-A	Survey Plan from Sta.0+000 to Sta.2+700	SHT	P	11/21/13	12/21/13	12/03/13	12	C
	SUB-13-00016-SHT-011-B	Survey Plan from Sta.0+000 to Sta.2+700	SHT	P	02/03/14	03/05/14	02/09/14	6	B
	SUB-13-00016-SHT-012-A	Coordination with Local Authorities Plan and Lists of Permits and Licenses	SHT	P	11/26/13	12/26/13	12/01/13	5	B
	SUB-13-00016-SHT-013-A	Cat Eyes-Iriflix Ltd.-item No.5.02.b	SHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00016-SHT-014-A	High Performance Thermoplastic Road Markings- Prismo Road Markings Ltd. T/A Ennis-item No. 5.02-a	SHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00016-SHT-015-A	Steel Pipe & Fittings-760 mm,300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-AVROT Industries Ltd.-item No.D2- 2.1	SHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00016-SHT-015-B	Steel Pipe & Fittings-760 mm,300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-AVROT Industries Ltd.-item No.D2- 2.1	SHT	M	01/21/14	02/20/14	01/23/14	2	E
	SUB-13-00016-SHT-016-A	Steel Pipe & Fittings-760 mm,300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-Borursan Mannesmann Co-item No.D2- 2.1	SHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00016-SHT-016-B	Steel Pipe & Fittings-760 mm,300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-Borursan Mannesmann Co-item No.D2- 2.1	SHT	M	01/21/14	02/20/14	01/23/14	2	E
	SUB-13-00016-SHT-017-A	Steel Pipe & Fittings-760 mm,300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-Middle East Tube Company Ltd.	SHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00016-SHT-017-B	Steel Pipe & Fittings-300 mm, 250 mm, 200mm ,150 mm ,100 mm, and 75 mm pipes-Middle East Tube Company Ltd.	SHT	M	12/25/13	01/24/14	01/05/14	11	B
	SUB-13-00016-SHT-018-A	Steel Pipe & Fittings-300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-Future Iron Pipes-item No.D2- 2.1	SHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00016-SHT-018-B	Steel Pipe & Fittings-300 mm, 250 mm, 200mm ,150 mm ,100 mm,75 mm and 50 mm pipes-Future Iron Pipes-item No.D2- 2.1	SHT	M	02/03/14	03/05/14	02/04/14	1	E

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

SUBMITTAL					TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00016-SHT-019-A	Field Offices Furniture and Equipment Plan Amendment (For Submittal No.: SUB-13-00016-SHT-003-B)	SHT	P	12/02/13	01/01/14	12/03/13	1	A
	SUB-13-00016-SHT-020-A	Construction Schedule	SHT	P	12/03/13	01/02/14	12/30/13	27	C
	SUB-13-00016-SHT-020-B	Original CPM Construction Schedule	SHT	P	01/14/14	02/13/14	01/26/14	12	C
	SUB-13-00016-SHT-020-C	Original CPM Construction Schedule	SHT	P	03/05/14	04/04/14	03/11/14	6	A
	SUB-13-00016-SHT-021-A	Butterfly Valve-Raphael/ PN 16-items No. 4.3.1 ,4.2.5,4.26 and 4.62	SHT	M	12/04/13	01/03/14	12/18/13	14	C
	SUB-13-00016-SHT-021-B	Butterfly Valve-Raphael/ PN 16-items No. 4.3.1 ,4.2.5,4.2.6 and 4.6.2	SHT	M	01/20/14	02/19/14	01/26/14	6	B
	SUB-13-00016-SHT-022-A	Gate Valves -Raphael -TRL-items No. 4.1.1,2,3,4 / items No. 4.2.1,2,3,4,5,8 /items No. 4.4.1,2,3,4,5,6,7 / items No. 4.6.3,4,5	SHT	M	12/04/13	01/03/14	12/18/13	14	C
	SUB-13-00016-SHT-022-B	Gate Valves -Raphael -TRL-items No. 4.1.1,2,3,4 / items No. 4.2.1,2,3,4,5,8 /items No. 4.4.1,2,3,4,5,6,7 / items No. 4.6.3,4,5	SHT	M	12/25/13	01/24/14	01/02/14	8	C
	SUB-13-00016-SHT-022-C	Gate Valves Raphael Valves Industries- TMS-items No. 4.1.1,2,3,4 / items No. 4.2.1,2,3,4,5,8 /items No. 4.4.1,2,3,4,5,6 / items No. 4.6..1,2,3,4	SHT	M	01/16/14	02/15/14	01/26/14	10	B
	SUB-13-00016-SHT-023-A	Butterfly Valve-Vanessa - PN 25-items No. 4.2.1 ,4.2.7 and 4.6.1	SHT	M	12/04/13	01/03/14	12/18/13	14	C
	SUB-13-00016-SHT-023-B	Butterfly Valve-Vanessa - PN 25-items No. 4.2.1 ,4.2.7 and 4.6.1	SHT	M	12/25/13	01/24/14	12/31/13	6	C
	SUB-13-00016-SHT-023-C	Butterfly Valve-Vanessa - PN 25-items No. 4.2.1 ,4.2.7 and 4.6.1	SHT	M	01/21/14	02/20/14	01/30/14	9	B
	SUB-13-00016-SHT-024-A	Combination Air Valve-A.I.R.-PN 16-25 -items No. 4.2.1,2,3,4,5,6,7and 8 / items No. 4.4.5,6 and 7	SHT	M	12/05/13	01/04/14	12/18/13	13	C
	SUB-13-00016-SHT-024-B	Combination Air Valve-A.I.R.-PN 16-25 -items No. 4.2.1,2,3,4,5,6,7and 8 / items No. 4.4.5,6 and 7	SHT	M	12/29/13	01/28/14	12/31/13	2	C
	SUB-13-00016-SHT-024-C	Combination Air Valve-A.I.R.-PN 16-25 -items No. 4.2.1,2,3,5,6,7and 8 / items No. 4.4.5,6 and 7	SHT	M	01/20/14	02/19/14	01/30/14	10	B
	SUB-13-00016-SHT-025-A	Air Vent-DN 25-PN16-A.R.I -item No.4.2.4	SHT	M	12/05/13	01/04/14	12/18/13	13	C
	SUB-13-00016-SHT-025-B	Air Vent-DN 25-PN16-A.R.I -item No.4.2.4	SHT	M	12/25/13	01/24/14	12/31/13	6	C
	SUB-13-00016-SHT-025-C	Air Vent-DN 25-PN16-A.R.I -item No.4.2.4	SHT	M	01/20/14	02/19/14	01/30/14	10	B
	SUB-13-00016-SHT-026-A	Combination Air Valve-Non Slam-PN 16-25-A.I.R. -items No. 4.4.1,2,3,4	SHT	M	12/05/13	01/04/14	12/18/13	13	C
	SUB-13-00016-SHT-026-B	Combination Air Valve-Non Slam-PN 16-25-A.I.R. -items No. 4.4.1,2,3,4	SHT	M	12/29/13	01/28/14	12/31/13	2	C
	SUB-13-00016-SHT-026-C	Combination Air Valve-Non Slam-PN 16-25-A.I.R. -items No. 4.4.1,2,3,4	SHT	M	01/20/14	02/19/14	01/30/14	10	C
	SUB-13-00016-SHT-027-A	Dismantling Joint -UNIJOINT-PN 16-25-items No.4.1.1,2,3,4 -items No. 4.4.1,2,3,4,5,6,7 and items No. 4.6.1,2,3,4,5	SHT	M	12/05/13	01/04/14	12/18/13	13	C
	SUB-13-00016-SHT-027-B	Dismantling Joint -UNIJOINT-PN 16-25-items No.4.1.1,2,3,4 -items No. 4.4.1,2,3,4,5,6,7 and items No. 4.6.1,2,3,4,5	SHT	M	12/25/13	01/24/14	12/31/13	6	B
	SUB-13-00016-SHT-028-A	Survey Plan from Sta.2+700 to Sta.6+000	SHT	P	12/19/13	01/18/14	12/31/13	12	B
	SUB-13-00016-SHT-029-A	Survey Plan from Sta.6+000 to Sta.7+650	SHT	P	12/19/13	01/18/14	12/31/13	12	B
	SUB-13-00016-SHT-030-A	Ball Valves /Tyco /BOQ item No. 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8	SHT	M	12/19/13	01/18/14	12/31/13	12	C
	SUB-13-00016-SHT-030-B	Ball Valves /Tyco /BOQ item No. 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8	SHT	M	01/14/14	02/13/14	01/16/14	2	B
	SUB-13-00016-SHT-031-A	Check Valve_ DN600 PN16-A.R.I_ item No. 4.2.6	SHT	M	12/19/13	01/18/14	12/30/13	11	C

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

SUBMITTAL					TRACKING DATES				Approval Status
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	SUB-13-00016-SHT-032-A	Flow Control Valve_ BERMAD_ items 4.2.2,3,4 &5	SHT	M	12/19/13	01/18/14	12/31/13	12	C
	SUB-13-00016-SHT-032-B	Flow Control Valve_ BERMAD_ items 4.2.2,3,4 &5	SHT	M	02/09/14	03/11/14	02/16/14	7	B
	SUB-13-00016-SHT-033-A	Pressure Relief Valve_ BERMAD_ items 4.2.2	SHT	M	12/19/13	01/18/14	12/31/13	12	B
	SUB-13-00016-SHT-034-A	Pressure Reducing Valve-BERMAD-items 4.2.2,3	SHT	M	12/19/13	01/18/14	12/31/13	12	C
	SUB-13-00016-SHT-034-B	Pressure Reducing Valve-BERMAD-items 4.2.2,3	SHT	M	02/09/14	03/11/14	02/13/14	4	B
	SUB-13-00016-SHT-035-A	Strainer PN16 & PN25-BERMAD-item No. 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7	SHT	M	12/19/13	01/18/14	12/30/13	11	C
	SUB-13-00016-SHT-035-B	Strainer PN16 & PN25-BERMAD-item No. 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7	SHT	M	01/26/14	02/25/14	01/30/14	4	B
	SUB-13-00016-SHT-036-A	Contractors all Risk, General Liability Insurance & Workers Compensation Insurance	SHT	P	12/23/13	01/22/14	01/07/14	15	E
	SUB-13-00016-SHT-037-A	Branding Plan	SHT	P	12/25/13	01/24/14	01/07/14	13	E
	SUB-13-00016-SHT-038-A	Quality Control Program (QCP)	SHT	P	12/25/13	01/24/14	01/08/14	14	B
	SUB-13-00016-SHT-039-A	Curbstone Marking Paint - Tambour - BOQ item No. 4.07	SHT	M	12/25/13	01/24/14	01/08/14	14	B
	SUB-13-00016-SHT-040-A	Concrete Mix Design - Al Abed Company - BOQ item No. 4.04	SHT	M	12/25/13	01/24/14	01/07/14	13	B
	SUB-13-00016-SHT-041-A	Asphalt Wearing JMF- BOQ Item No. 3.03	SHT	M	12/25/13	01/24/14	01/08/14	14	B
	SUB-13-00016-SHT-042-A	Safety Plan	SHT	P	12/25/13	01/24/14	12/31/13	6	C
	SUB-13-00016-SHT-042-B	Safety Plan	SHT	P	01/12/14	02/11/14	01/14/14	2	B
	SUB-13-00016-SHT-043-A	Security System	SHT	P	12/29/13	01/28/14	01/05/14	7	C
	SUB-13-00016-SHT-043-B	Security System	SHT	P	01/16/14	02/15/14	01/16/14	0	B
	SUB-13-00016-SHT-044-A	Method Statement	SHT	P	12/29/13	01/28/14	01/20/14	22	C
	SUB-13-00016-SHT-044-B	Method Statement	SHT	P	01/26/14	02/25/14	02/06/14	11	B
	SUB-13-00016-SHT-045-A	Traffic Control Plan from Sta.7+090 to Sta.7+500 LHS New Boulder Works	SHT	P	12/29/13	01/28/14	01/08/14	10	B
	SUB-13-00016-SHT-046-A	Guardrail ESP4-N2-PRINS DOKKUM-SHT-item 5.03.a	SHT	M	12/30/13	01/29/14	01/06/14	7	B
	SUB-13-00016-SHT-047-A	Storm Drainage RC pipes -PCP Co-item 4.01	SHT	M	12/30/13	01/29/14	01/06/14	7	C
	SUB-13-00016-SHT-048-A	Pre Cast Concrete Curbstone-Wolfman Co-item 4.07	SHT	M	12/30/13	01/29/14	01/06/14	7	A
	SUB-13-00016-SHT-049-A	Subcontracting Plan	SHT	P	12/30/13	01/29/14	01/05/14	6	C
	SUB-13-00016-SHT-050-A	Key Personnel	SHT	P	12/30/13	01/29/14	12/31/13	1	E
	SUB-13-00016-SHT-051-A	Dilapidation Survey - Phase 01- From St. 0+700 to St. 4+400 and From St. 6+230 to St. 11+460 End of Project	SHT	P	01/02/14	02/01/14	01/07/14	5	C
	SUB-13-00016-SHT-051-B	Dilapidation Survey - Phase 01- From St. 0+700 to St. 4+400 and From St. 6+230 to St. 11+460 End of Project	SHT	P	01/21/14	02/20/14	01/22/14	1	B
	SUB-13-00016-SHT-052-A	Deir_Shaar_ Flanges_ ANSI ASME B 16.5 and DIN_ISO Flanges	SHT	M	01/05/14	02/04/14	01/07/14	2	C
	SUB-13-00016-SHT-052-B	Flanges-ANSI and ISO/DIN Flanges	SHT	M	02/02/14	03/04/14	02/04/14	2	B
	SUB-13-00016-SHT-053-A	FIP Dier Shaar_Fittings &heat shrinkable sheet	SHT	M	01/05/14	02/04/14	01/09/14	4	C

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

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	SUB-13-00016-SHT-053-B	FIP Dier Shaar_Fittings &heat shrinkable sheet	SHT	M	02/03/14	03/05/14	02/04/14	1	E
	SUB-13-00016-SHT-054-A	Traffic signs material_ Netivey Hamifratz/Top Safety _item 5.01	SHT	M	01/05/14	02/04/14	01/08/14	3	B
	SUB-13-00016-SHT-055-A	Shop Drawings: Main Pipeline Plan ,Profile and Typical Section from Sta.6+780 to Sta.7+500	SHT	S	01/07/14	02/06/14	01/13/14	6	C
	SUB-13-00016-SHT-055-B	Shop Drawings: Main Pipeline Plan ,Profile and Typical Section from Sta.6+780 to Sta.7+500	SHT	S	01/21/14	02/20/14	02/03/14	13	C
	SUB-13-00016-SHT-055-C	Shop Drawings: Main Pipeline Plan ,Profile and Typical Section from Sta.6+780 to Sta.7+500	SHT	S	02/13/14	03/15/14	03/03/14	18	B
	SUB-13-00016-SHT-056-A	Gate Valve 50mm PN 16- TRL- Raphael Valves Industry-item 4.2.4, 4.4.7 and 4.6.5	SHT	M	01/16/14	02/15/14	01/23/14	7	B
	SUB-13-00016-SHT-057-A	Middle East_Deir_Shaar_ 30" Pipes-item No.2.1	SHT	M	01/23/14	02/22/14	01/28/14	5	B
	SUB-13-00016-SHT-058-A	Avrot Pipe Fittings_up to 12 inch	SHT	M	01/16/14	02/15/14	01/23/14	7	C
	SUB-13-00016-SHT-058-B	Avrot Pipe Fittings	SHT	M	02/03/14	03/05/14	02/09/14	6	B
	SUB-13-00016-SHT-059-A	Shop Drawings: Road: Retaining Wall from Sta.7+093 to Sta.7+220 LHS	SHT	S	01/16/14	02/15/14	01/23/14	7	B
	SUB-13-00016-SHT-059-A	Shop Drawings: Road: Retaining Wall from Sta.7+093 to Sta.7+220 LHS-For Engineering Record- per SM-13-00016-SHT-E-C-003	SHT	S	01/26/14	02/25/14	01/29/14	3	B
	SUB-13-00016-SHT-060-A	Proposed Staging and Storage area location	SHT	P	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00016-SHT-061-A	Dilapidation Survey - Phase 02- From St. 0+000 to St.0+700 and From St. 4+400 to St. 6+200.	SHT	P	01/20/14	02/19/14	01/22/14	2	B
	SUB-13-00016-SHT-062-A	Shop Drawings: Road Construction: Plan ,Profile and Cross Section from Sta. 6+850 to Sta.7+520	SHT	S	01/26/14	02/25/14	02/18/14	23	B
	SUB-13-00016-SHT-062-B	Shop Drawings: Road Construction: Plan ,Profile and Cross Section from Sta. 6+850 to Sta.7+520 -As per Municipality new right of way	SHT	S	03/11/14	04/10/14	03/17/14	6	B
	SUB-13-00016-SHT-063-A	Welding Procedure for 3"-12"	SHT	P	01/22/14	02/21/14	01/26/14	4	C
	SUB-13-00016-SHT-063-B	Welding Procedure for 3"-12"	SHT	P	03/16/14	04/15/14	03/26/14	10	B
	SUB-13-00016-SHT-064-A	Risk Management Program - Phase 01- From St. 0+000 to St.2+700 and From St. 6+800 to St. 7+515	SHT	P	01/23/14	02/22/14	01/30/14	7	B
	SUB-13-00016-SHT-065-A	Environmental Mitigation Plan	SHT	P	01/23/14	02/22/14	02/02/14	10	B
	SUB-13-00016-SHT-066-A	Traffic Control Plan from Sta.0+000 to Sta.2+374 -Deir Shaar Main pipeline Beit Ummar 8 inch pipe	SHT	P	01/23/14	02/22/14	02/03/14	11	C
	SUB-13-00016-SHT-066-B	Traffic Control Plan from Sta.0+000 to Sta.2+374 -Deir Sha'ar distribution pipeline 8" pipe in Beit Ummer town	SHT	P	02/09/14	03/11/14	02/13/14	4	C
	SUB-13-00016-SHT-066-C	Traffic Control Plan from Sta.0+000 to Sta.2+374 -Deir Sha'ar distribution pipeline 8" pipe in Beit Ummer town	SHT	P	02/24/14	03/26/14	03/02/14	6	B
	SUB-13-00016-SHT-067-A	Proposed Welders for welders qualification test - CVs	SHT	P	01/26/14	02/25/14	02/02/14	7	C
	SUB-13-00016-SHT-068-A	Third party testing lab -Arc-Eyes	SHT	P	01/26/14	02/25/14	01/30/14	4	B
	SUB-13-00016-SHT-069-A	Shop Drawings: Formwork Design for Retaining Work	SHT	S	01/26/14	02/25/14	01/29/14	3	B

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
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	SUB-13-00016-SHT-070-A	Storage and fabrication yard layout	SHT	P	01/26/14	02/25/14	01/30/14	4	C
	SUB-13-00016-SHT-070-B	Storage and fabrication yard layout	SHT	P	02/19/14	03/21/14	02/20/14	1	B
	SUB-13-00016-SHT-071-A	Survey Plan from Sta.7+093 to Sta.7+220	SHT	P	01/26/14	02/25/14	02/03/14	8	B
	SUB-13-00016-SHT-072-A	Proposed Dumping area	SHT	P	01/26/14	02/25/14	01/30/14	4	B
	SUB-13-00016-SHT-073-A	Public Relation Plan	SHT	P	01/27/14	02/26/14	01/29/14	2	E
	SUB-13-00016-SHT-074-A	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	01/28/14	02/27/14	02/10/14	13	C
	SUB-13-00016-SHT-074-B	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	02/24/14	03/26/14	03/05/14	9	C
	SUB-13-00016-SHT-074-C	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	03/16/14	04/15/14	03/17/14	1	B
	SUB-13-00016-SHT-075-A	Flanged Coupling Adaptor- UniJoint-item No. 4.2.1,3,4,5,6,7,8 and 4.3.1	SHT	M	01/29/14	02/28/14	02/04/14	6	D
	SUB-13-00016-SHT-075-B	Flanged Coupling Adaptor- UniJoint-item No. 4.2.1,3,4,5,6,7,8 and 4.3.1	SHT	M	03/27/14	04/26/14	03/27/14	0	E
	SUB-13-00016-SHT-076-A	Bitumen Protective Coating Material for Concrete Surface in Contact with Soil-Nitoproof 15	SHT	M	01/29/14	02/28/14	02/03/14	5	C
	SUB-13-00016-SHT-076-B	Bitumen Protective Coating Material for Concrete Surface in Contact with Soil-Nitoproof 15	SHT	M	02/23/14	03/25/14	02/24/14	1	E
	SUB-13-00016-SHT-077-A	Source approval test for base course_ Al Taweel_ item 2.01	SHT	M	01/29/14	02/28/14	02/04/14	6	B
	SUB-13-00016-SHT-078-A	High Tensile Steel Bar_ item 4.04.e	SHT	M	02/02/14	03/04/14	02/03/14	1	B
	SUB-13-00016-SHT-079-A	Elecometer 266 Holiday detector	SHT	M	02/03/14	03/05/14	02/03/14	0	E
	SUB-13-00016-SHT-080-A	Shop Drawings: Road Construction: Plan , Profile and Cross Section from Sta.0+000 to Sta.1+200	SHT	S	02/03/14	03/05/14	02/13/14	10	B
	SUB-13-00016-SHT-081-A	Field Offices Furniture and Equipment Plan Amendment (For Submittal No.: SUB-13-00016-SHT-003-B)	SHT	P	02/05/14	03/07/14	02/09/14	4	A
	SUB-13-00016-SHT-082-A	Geotechnical Report for Retaining Wall from St. 7+200 to St. 7+220	SHT	P	02/13/14	03/15/14	02/24/14	11	C
	SUB-13-00016-SHT-082-B	Geotechnical Report for Retaining Wall from St. 7+200 to St. 7+220	SHT	P	03/11/14	04/10/14	03/24/14	13	E
	SUB-13-00016-SHT-083-A	Pipes Marking - 8" Steel pipes.	SHT	M	02/09/14	03/11/14	02/13/14	4	B
	SUB-13-00016-SHT-084-A	Mill Certificate and testing reports for 8 inch steel pipe	SHT	M	02/09/14	03/11/14	02/12/14	3	A
	SUB-13-00016-SHT-085-A	Shop Drawings: Plan, Profile and Cross Section from Sta.0+000 to Sta.2+295-Beit Ummar Water Distribution Network	SHT	S	02/12/14	03/14/14	02/18/14	6	B
	SUB-13-00016-SHT-086-A	Bedding material somson aggregates_Al Taweel Co.	SHT	M	02/12/14	03/14/14	02/13/14	1	B
	SUB-13-00016-SHT-087-A	Specific Confined Space Safety Plan	SHT	P	02/16/14	03/18/14	02/17/14	1	B
	SUB-13-00016-SHT-088-A	Excavation and Trenching Safety Plan	SHT	P	02/16/14	03/18/14	02/17/14	1	B
	SUB-13-00016-SHT-089-A	Concrete Repairing Materials	SHT	M	02/16/14	03/18/14	02/18/14	2	B
	SUB-13-00016-SHT-090-A	Form Release agent-BOQ item No. 1.2.b-3	SHT	M	02/16/14	03/18/14	02/18/14	2	A
	SUB-13-00016-SHT-091-A	Form Ties-BOQ item No. 2.3	SHT	M	02/16/14	03/18/14	02/18/14	2	B
	SUB-13-00016-SHT-092-A	Form Chamfers -BOQ item No. 2.2-b	SHT	M	02/16/14	03/18/14	02/18/14	2	B

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

APCO/ArCon CONSTRUCTION AND SERVICES

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Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00016-SHT-093-A	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 2+780 to Sta. 3+900	SHT	S	02/17/14	03/19/14	03/05/14	16	C
	SUB-13-00016-SHT-093-B	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 2+780 to Sta. 3+900	SHT	S	03/11/14	04/10/14	03/17/14	6	B
	SUB-13-00016-SHT-093-B	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 2+780 to Sta. 3+900-For Engineering Record	SHT	S	03/20/14	04/19/14	03/31/14	11	B
	SUB-13-00016-SHT-094-A	Identification tape for water pipe line	SHT	M	02/18/14	03/20/14	02/20/14	2	C
	SUB-13-00016-SHT-094-B	Identification tape for water pipe line	SHT	M	02/27/14	03/29/14	03/02/14	3	B
	SUB-13-00016-SHT-096-A	Heat Shrinkable Sleeve &Tape (CANUSA) for steel pipes-BOQ items No. 2.2.1,2,3,4,5,6,7	SHT	M	02/18/14	03/20/14	02/24/14	6	B
	SUB-13-00016-SHT-097-A	Galvanized Malleable Iron Fittings up to 2"- Modgal	SHT	M	02/18/14	03/20/14	02/20/14	2	B
	SUB-13-00016-SHT-098-A	Single size backfilling material_Al Taweel Co.	SHT	M	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00016-SHT-099-A	Damp proofing	SHT	M	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00016-SHT-100-A	Pipe Cement Lining Repair- NITOCOTE CM 210	SHT	M	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00016-SHT-101-A	3 inch Procedure Qualification Record (PQR)	SHT	P	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00016-SHT-102-A	Flange Gaskets_Klinger	SHT	M	02/23/14	03/25/14	02/24/14	1	C
	SUB-13-00016-SHT-102-B	Flange Gaskets_Klinger	SHT	M	03/09/14	04/08/14	03/09/14	0	C
	SUB-13-00016-SHT-102-C	Flange Gaskets_Klinger	SHT	M	03/16/14	04/15/14	03/20/14	4	B
	SUB-13-00016-SHT-103-A	Traffic Control Plan -Phase I -from Sta.0+000 to Sta.2+800-Deir Sha'ar Water Transmission Project	SHT	P	02/24/14	03/26/14	02/27/14	3	B
	SUB-13-00016-SHT-104-A	Shop Drawings :Water : Plan ,Profile and Cross Section from Sta.0+000 to Sta.1+200 -Deer Sha'ar Main Pipeline	SHT	S	02/24/14	03/26/14	02/27/14	3	C
	SUB-13-00016-SHT-104-B	Shop Drawings :Water : Plan ,Profile and Typical Section from Sta.0+000 to Sta.1+200 -Deer Sha'ar Main Pipeline	SHT	S	03/16/14	04/15/14	03/30/14	14	B
	SUB-13-00016-SHT-105-A	Spacers Material Sample	SHT	M	02/23/14	03/25/14	02/27/14	4	A
	SUB-13-00016-SHT-106-A	Non-shrink cementitious mortar - Fosroc	SHT	M	02/25/14	03/27/14	03/05/14	8	B
	SUB-13-00016-SHT-107-A	4" PVC Weep Pipe Sample-_Royal Company	SHT	M	02/26/14	03/28/14	03/02/14	4	A
	SUB-13-00016-SHT-108-A	Protection Board Sample-Abdeen Company	SHT	M	02/26/14	03/28/14	03/03/14	5	A
	SUB-13-00016-SHT-109-A	Specific Method Statement -Pipeline Installation ,welding procedure and Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe	SHT	P	03/03/14	04/02/14	03/18/14	15	C
	SUB-13-00016-SHT-110-A	Radiographic Testing Safety Plan	SHT	P	03/03/14	04/02/14	03/09/14	6	C
	SUB-13-00016-SHT-110-B	Radiographic Testing Safety Plan	SHT	P	03/13/14	04/12/14	03/27/14	14	B
	SUB-13-00016-SHT-111-A	8" Water steel pipe work installation -Method of Statement	SHT	P	03/31/14	04/30/14		PE	
	SUB-13-00016-SHT-112-A	8"-12" Procedure Qualification Record (PQR)	SHT	P	03/05/14	04/04/14	03/13/14	8	C
	SUB-13-00016-SHT-112-B	8"-12" Procedure Qualification Record (PQR)	SHT	P	03/24/14	04/23/14	03/27/14	3	E
	SUB-13-00016-SHT-113-A	Certificate for Welder –Fadi Shuebeha	SHT	P	03/05/14	04/04/14	03/13/14	8	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

SUBMITTAL					TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00016-SHT-114-A	Shop Drawings: Road Construction: Plan , Profile and Cross Section from Sta.1+200 to Sta.2+780	SHT	S	03/09/14	04/08/14	03/13/14	4	C
	SUB-13-00016-SHT-114-B	Shop Drawings: Road Construction: Plan , Profile and Cross Section from Sta.1+200 to Sta.2+780	SHT	S	03/15/14	04/14/14	03/17/14	2	B
	SUB-13-00016-SHT-115-A	Specific Method Statement -3" To 12" Pipeline Installation ,welding procedure and Testing (Hydrostatic, Disinfection /Flushing)	SHT	P	03/16/14	04/15/14		PE	
	SUB-13-00016-SHT-117-A	Mitered Bends Schedule and fabrication -8" Beit Ummar Local Network	SHT	M	03/23/14	04/22/14	03/30/14	7	B
	SUB-13-00016-SHT-118-A	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405	SHT	M	03/13/14	04/12/14	03/20/14	7	C
	SUB-13-00016-SHT-118-B	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405	SHT	M	03/24/14	04/23/14	03/27/14	3	B
	SUB-13-00016-SHT-119-A	Shop Drawing: Retaining Wall from Sta.7+220 to Sta.7+376 LHS	SHT	S	03/19/14	04/18/14	03/27/14	8	C
	SUB-13-00016-SHT-120-A	Radiographic Testing (RT) Method Statement	SHT	P	03/15/14	04/14/14	03/20/14	5	B
	SUB-13-00016-SHT-121-A	Dilapidation Survey -Al-Aroub Connection 4" & 6"	SHT	P	03/30/14	04/29/14		PE	
	SUB-13-00016-SHT-123-A	Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot.	SHT	M	03/16/14	04/15/14	03/20/14	4	C
	SUB-13-00016-SHT-124-A	Dilapidation Survey -Beit Ummar 8" Network	SHT	P	03/18/14	04/17/14	03/19/14	1	B
	SUB-13-00016-SHT-125-A	Risk Management Program - Beit Ummar 8" Network	SHT	P	03/18/14	04/17/14	03/19/14	1	B
	SUB-13-00016-SHT-126-A	Dismantling Joint- Viking Johnson	SHT	M	03/18/14	04/17/14	03/27/14	9	C
	SUB-13-00016-SHT-127-A	Joint Filler Material	SHT	M	03/19/14	04/18/14	03/23/14	4	B
	SUB-13-00016-SHT-128-A	Pipes and fittings Inventory Log	SHT	P	03/19/14	04/18/14	03/23/14	4	B
	SUB-13-00016-SHT-129-A	Cost Breakdown – item 04 –Valves , Connections and Chambers	SHT	P	03/19/14	04/18/14		PE	
	SUB-13-00016-SHT-130-A	Galvanized steel pipes_Pecker	SHT	M	03/19/14	04/18/14	03/26/14	7	B
	SUB-13-00016-SHT-131-A	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	SHT	P	03/20/14	04/19/14	03/30/14	10	B
	SUB-13-00016-SHT-132-A	Shop Drawings: Plan, Profile and Cross Section from Sta.0+000 to Sta.1+225-Al Aroub Road	SHT	S	03/20/14	04/19/14	03/31/14	11	B
	SUB-13-00016-SHT-133-A	Strainer- ARI- OF-20- PN 16 -item No. 4.2.4, 4.2.5 and 4.2.6	SHT	M	03/20/14	04/19/14	03/27/14	7	C
	SUB-13-00016-SHT-134-A	Concrete repairing material- Renderoc FC- for thickness less than 5mm.	SHT	M	03/24/14	04/23/14	03/25/14	1	B
	SUB-13-00016-SHT-135-A	Bolts, Nuts& washers-Factor for Mechanical Chambers	SHT	M	03/24/14	04/23/14	03/27/14	3	C
	SUB-13-00016-SHT-135-B	Bolts, Nuts& washers-Factor for Mechanical Chambers	SHT	M	03/31/14	04/30/14		PE	
	SUB-13-00016-SHT-136-A	Manufacturer "Bermad" sizing of Deir Shaar Pressure Reducing Valve	SHT	M	03/24/14	04/23/14		PE	
	SUB-13-00016-SHT-137-A	Welders Performance Qualification Certificates	SHT	P	03/30/14	04/29/14		PE	
	SUB-13-00016-SHT-138-A	Risk Management Program -Al-Aroub Connection 4" & 6"	SHT	P	03/31/14	04/30/14		PE	

DV = Division A= No Exceptions Noted B = Make Corrections Noted C = Amend-Resubmit D= Rejected-Resubmit E= Review Not Required

p= preconstruction - S= Shop drawings - M= Materials -O= Others

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #16, Deir Sha'ar Main Pipeline Project (SHT)

SUBMITTAL				TRACKING DATES				Approval Status	Note	APCO Transmittal Record
Spec. No.	Submittal No	Description	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)		
	TEST-13-00016-SHT-001-A	Concrete Compressive Strength Report# BM/CT/14168 - 7 days- Pad Concrete (Blinding)	SHT	02/24/14	03/26/14	02/27/14	3	B	Pass	Transmittals # 67
	TEST-13-00016-SHT-002-A	Steel Report# BM/STL/14012 (25Ø)- Halhul site	SHT	02/25/14	03/27/14	02/27/14	2	B	Pass	Transmittals # 68
	TEST-13-00016-SHT-003-A	Steel Report# BM/STL/14015 (12,14,16,20 Ø)- Halhul site	SHT	02/25/14	03/27/14	02/27/14	2	B	Pass	Transmittals # 68
	TEST-13-00016-SHT-004-A	Concrete Compressive Strength Report# BM/CT/14250 - 7 days- Footing of the Retaining Between Stations (7+095-7+170)	SHT	03/09/14	04/08/14	03/12/14	3	A	Pass	Transmittals # 77
	TEST-13-00016-SHT-005-A	Concrete Compressive Strength Report# BM/CT/14168 - 28 days- Pad Concrete (Blinding)	SHT	03/16/14	04/15/14	03/16/14	0	A	Pass	Transmittals # 85
	TEST-13-00016-SHT-006-A	Concrete Compressive Strength Report# BM/CT/14301- 7days- Retaining Walls Between Stations (7+096-7+107) & (7+118-7+129)/Al Hawawreh Street/Halhoul City	SHT	03/18/14	04/17/14	03/18/14	0	A	Pass	Transmittals # 87
	TEST-13-00016-SHT-007-A	Concrete Compressive Strength Report# BM/CT/14312- 7days- Retaining Walls Between Stations (7+140-7+151) & (7+160-7+170)/Al Hawawreh Street/Halhoul City	SHT	03/23/14	04/22/14	03/23/14	0	A	Pass	Transmittals # 93

DV = Division A= No Exceptions Noted B = Make Corrections Noted C = Amend-Resubmit D= Rejected-Resubmit E= Review Not Required

G │RFI’s Log for the Reporting Period

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, Deir Shaar Main Pipeline
RFIs log - SHT

Request For Information				TRACKING DATES				Response By
Spec. No.	RFI No	Description	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	
	RFI-13-00016-SHT-001	Sizes / Ratings of associated valves and fittings drawings sheets (MD-09 and MD-10) Task order # 16	SHT	12/04/13	01/03/14	12/22/13	18	Maher Awawdeh
	RFI-13-00016-SHT-002	Applicability of Mechanical Specifications governing 760mm steel pipe (section 15000- Piping, General) (section 15025- steel pipe –ASTM A53/A106 Modified) and (section 02570- steel pipe, specials, and fittings – AWWA C200 Modified)	SHT	12/22/13	01/21/14	01/12/14	21	Maher Awawdeh
	RFI-13-00016-SHT-003	Trench type and width for 760mm main pipeline – Deir Sha'ar Project, TO # 16	SHT	01/16/14	02/15/14	01/22/14	6	Maher Awawdeh
	RFI-13-00016-SHT-004	Replacement of the motorized valve at Halhul with hydraulically operated level control valve- Deir Sha'ar Project, TO # 16	SHT	01/16/14	02/15/14	02/03/14	18	Maher Awawdeh
	RFI-13-00016-SHT-006	Existing unsuitable material (Dumping material) located within our SOW from sta. 7+090 to 7+160. At Deir Sha'ar main pipeline project, TO # 16	SHT	01/22/14	02/21/14	01/29/14	7	Maher Awawdeh
	RFI-13-00016-SHT-007	Proposed pipe culvert at sta. 0+650 and guardrail for Task Order #16, Deir Sha'ar Main pipeline	SHT	02/03/14	03/05/14	02/16/14	13	Maher Awawdeh
	RFI-13-00016-SHT-008	guardrail location from sta. 3+150 to 3+780. Deir Sha'ar main pipeline project, TO # 16	SHT	02/11/14	03/13/14	03/02/14	19	Maher Awawdeh
	RFI-13-00016-SHT-009	Location of concrete retaining walls from sta. 6+800 to 7+515. Deir Sha'ar main pipeline project, TO # 16#	SHT	02/11/14	03/13/14	03/03/14	20	Maher Awawdeh
	RFI-13-00016-SHT-010	Retaining wall above PGL at Deir Sha'ar main pipeline project, TO # 16	SHT	02/11/14	03/13/14	02/24/14	13	Maher Awawdeh
	RFI-13-00016-SHT-011	Concrete Formwork	SHT	02/13/14	03/15/14	02/17/14	4	Maher Awawdeh
	RFI-13-00016-SHT-012	Using steel mini guard around trenches instead of concrete barrier	SHT	02/20/14	03/22/14	02/27/14	7	Maher Awawdeh
	RFI-13-00016-SHT-013	Air over water surge vessel / Bladder Type Surge System At Deir Sha'ar main pipeline project, TO # 16	SHT	02/27/14	03/29/14	03/09/14	10	Maher Awawdeh
	RFI-13-00016-SHT-014	Vapor barrier under blinding concrete for foundation at Deir Sha'ar main pipeline / Task order # 16	SHT	03/30/14	04/29/14			
	RFI-13-00016-SHT-015	Table of Dimensions and Reinforcing steel for Concrete walls at Deir Sha'ar main pipeline / Task order # 16	SHT	03/30/14	04/29/14			

H | Geo-MIS DATA COLLECTION SHEET
Generated Person Days of Employment

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

CONTRACT NO. AID-294-I-00-12-00005

TASK ORDER NO. AID-294-TO-13-00016

Deir Sha'ar Main Pipeline Project (SHT)

Temproray Job Days Summary Report

Task Order Name: **Deir Sha'ar Main Pipeline Project** **PERIOD FROM: November 06, 2013**

CONTRACTOR: **APCO/ArCon** **PERIOD TO: March 31, 2014**

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
October	2012						0	0	
November	2012						0	0	
December	2012						0	0	
January	2013						0	0	
February	2013						0	0	
March	2013						0	0	
April	2013						0	0	
May	2013						0	0	
June	2013						0	0	
July	2013						0	0	
August	2013						0	0	
September	2013						0	0	
Total of FY 2013							0	0	
October	2013						0	0	
November	2013	30	15	37	0	0	82	3	
December	2013	46	14	2	0	0	62	3	
January	2014	92	51	28	48	0	219	9	
February	2014	95	68	107	106	0	376	16	
March	2014	108	80	216	183	0	586	25	
April	2014						0	0	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							1324	56	
October	2014						0	0	
November	2014						0	0	
December	2014						0	0	
January	2015						0	0	
February	2015						0	0	
March	2015						0	0	
April	2015						0	0	
May	2015						0	0	
June	2015						0	0	
July	2015						0	0	
August	2015						0	0	
September	2015						0	0	
Total of FY 2015							0	0	

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.

Daily Work Force /March 2014
Project Name Deir Sha'ar Main Pipe Line Project
Contract No. AID-294-I-00-12-00005

APCO/ArCon CONSTRUCTION AND SERVICES

Daily Work Force /March 2014

Date	Name of Contractor /Subcontractor	Worker/Classification (Hours)																							Man-days			
		Management							Engineers			Skilled							Unskilled										
		IQC Manager	Task Order Manager	Quality Control Manager	Assistant QCM	Technical Engineer	Quantitiy Surveyor	Safety & Environmental Compliance Officer	Assistant Safety Officer	Project Engineer	Office Engineer (F)	Site Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Carpenter	Drivers	Unskilled Labor	Flagmen	Watch Man	Guard	Office Guard	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
March 1, 2014	APCO/ArCon		8	8				8		16	8		8	8		2	32			32			8			3	3	6	5
	Subcontractor																												
March 2, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			32			32			8			4	3	6	5
	Subcontractor																												
March 3, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		10	32			32	16		8			4	3	7	7
	Subcontractor																												
March 4, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		10	32			32	16		8			4	3	7	7
	Subcontractor																												
March 5, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		10	32			32	16		8			4	3	7	7
	Subcontractor																												
March 6, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		2	32			32	4		8			4	3	6	6
	Subcontractor																												
March 7, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																												
March 8, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	32			32	4		8			4	3	7	6
	Subcontractor																												
March 9, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			32			32			8	8	8	4	3	6	7
	Subcontractor																												
March 10, 2014	APCO/ArCon		8	8		8	8	8		16	8		8	8			32			32			8	8	8	5	3	6	7
	Subcontractor																												
March 11, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			32			24			8	8	8	4	3	6	6
	Subcontractor																												
March 12, 2014	APCO/ArCon		8	8		8		8		16	8			8									8	8	8	4	3	1	3
	Subcontractor																												
March 13, 2014	APCO/ArCon		8	8		8		8		16	8			8									8	8	8	4	3	1	3
	Subcontractor																												
March 14, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																												
March 15, 2014	APCO/ArCon		8	8		8		8		8	8			8									8	8	8	4	2	1	3
	Subcontractor																												
March 16, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			4			4			8	8	8	4	3	3	4
	Subcontractor																												

Date	Name of Contractor /Subcontractor	Worker/Classification (Hour)																							Man-days			
		Management							Engineers			Skilled							Unskilled										
		IQC Manager	Task Order Manager	Quality Control Manager	Assistant QCM	Technical Engineer	Quantitiy Surveyor	Safety & Environmental Compliance Officer	Assistant Safety Officer	Project Engineer	Office Engineer (F)	Site Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Carpenter	Drivers	Unskilled Labor	Flagmen	Guard	Office Guard	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
March 17, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			32			32		8	8	8	4	3	6	7
	Subcontractor																											
March 18, 2014	APCO/ArCon		8	8		8		8		16	8		8	8			32			32		8	8	8	4	3	6	7
	Subcontractor																											
March 19, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	32			32	16	8	8	8	4	3	11	9
	Subcontractor																											
March 20, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	32			32	16	8	8	8	4	3	11	9
	Subcontractor																											
March 21, 2014	Subcontractor																					8			0	0	0	1
	Subcontractor																											
March 22, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	32			32	16	8	8	8	4	3	11	9
	Subcontractor																											
March 23, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	32			32	16	8	8	8	4	3	11	9
	Subcontractor																											
March 24, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	32			32	16	8	8	8	4	3	11	9
	Subcontractor																											
March 25, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		48	32			32	8	8	8	8	4	3	14	8
	Subcontractor																											
March 26, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		40	32			32	8	8	8	8	4	3	13	8
	Subcontractor																											
March 27, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		48	32			32		8	8	8	4	3	14	7
	Subcontractor																											
March 28, 2014	APCO/ArCon																					8			0	0	0	1
	Subcontractor																											
March 29, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		24	1				8	8	8	8	4	3	7	4
	Subcontractor																											
March 30, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		56	24			32	16	8	8	8	4	3	14	9
	Subcontractor																											
March 31, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		72	24			32	32	8	8	8	4	3	16	11
	Subcontractor																											
Total																									**108**	**80**	**216**	**183**

APCO/ArCon
CONSTRUCTION AND SERVICES

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM
TASK ORDER NO: AID-294-TO-12-00016

Deir Sha'ar Main Pipe Line Project
Geo-MIS DATA COLLECTION SHEET

CONTRACTOR: APCO/ArCon

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

DATE	Deir Sha'ar Main Pipe Line Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
March 1, 2014	3	3	6	5		17						
March 2, 2014	4	3	6	5		18						
March 3, 2014	4	3	7	7		21						
March 4, 2014	4	3	7	7		21						
March 5, 2014	4	3	7	7		21						
March 6, 2014	4	3	6	6		19						
March 7, 2014	0	0	0	0		0						
March 8, 2014	4	3	7	6		20						
March 9, 2014	4	3	6	7		20						
March 10, 2014	5	3	6	7		21						
March 11, 2014	4	3	6	6		19						
March 12, 2014	4	3	1	3		11						
March 13, 2014	4	3	1	3		11						
March 14, 2014	0	0	0	0		0						
March 15, 2014	4	2	1	3		10						
March 16, 2014	4	3	3	4		13						
March 17, 2014	4	3	6	7		20						
March 18, 2014	4	3	6	7		20						
March 19, 2014	4	3	11	9		27						
March 20, 2014	4	3	11	9		27						
March 21, 2014	0	0	0	1		1						
March 22, 2014	4	3	11	9		27						
March 23, 2014	4	3	11	9		27						
March 24, 2014	4	3	11	9		27						
March 25, 2014	4	3	14	8		29						
March 26, 2014	4	3	13	8		28						
March 27, 2014	4	3	14	7		28						
March 28, 2014	0	0	0	1		1						
March 29, 2014	4	3	7	4		18						
March 30, 2014	4	3	14	9		30						
March 31, 2014	4	3	16	11		34						
Sub Total of March 2014	108	80	216	183	0	**586**						

Mar-14	**Total Job Days**	**No of Full Time Equivalent (FTE) Jobs**
	586	25

I | RISK REGISTER LOG

Risk Register Log

PROBABILITY CATEGORIES			
Description		**Prob**	**Scale Value**
H	Probable	>70%	3
M	Could happen	30-70%	2
L	Improbable	<30%	1

IMPACT CATEGORIES			
Description		**Guide Scenario**	**Scale Value**
H	Critical	Impact that involves significant delay, rework, modification or reassessment.	3
M	Serious	Impact or setback that causes delay, additional work and reassessment but containable.	2
L	Marginal	Impact has some effect causing rework or reassessment but easily handled.	1

			PROBABILITY		
			Low/Improbable	Medium/Could Happen	High/Probable
			1	2	3
IMPACT	High/ Critical	3	3	6	9
	Medium/ Serious	2	2	4	6
	Low/ Marginal	1	1	2	3

Key/ Critical Risks - closely monitor, manage & develop fallback plans

Intermediate Risks - monitor and manage to mitigate

Minor Risks

Risk Event	What is it that you are working to avoid or reduce the likelihood or impact of occurring? Risks are future events that could interfere with achievement of objectives.
Risk Cause	What are the triggers, sources or circumstances that could act alone or together to increase the likelihood of the Risk Event occurring? There are usually multiple causes leading to a Risk Event.
Risk Impact	If this Risk Event did occur, how would it impact objectives? What are the longer-term or cumulative consequences?
Risk Owner	Who will take the lead on this mitigation?

T.O 16- Risk Register Log

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT/ CONSEQUEN	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
	Design								0							
2	Construction	Delay of road constrcution due to Halhul municipality changes and landowner objections to the R.O.W	Halhul Municipalities requirements	L	Contractor	Progress meetings and RFI#09	2	1	2	Not determined yet	Not determined yet	Mitigate	Several coordination meetings and site visits were conducted with Halhul municipality to finalize this issue.	Halhul municipality	**Issue resolved** final Right of way from Sta.7+093 to Sta.7+196.5 was received from CMC via site memo No. SUB-13-00016-SHT-E-C-002 on March 02, 2014.	
3	Owner								0							
4	USAID								0							
5	Contractor	Availability of CWI	Designated approved cooperating country CWIs reneged	H	Contractor / CMC	Progress Meeting	3	3	9	Not determined yet	Delay in starting waterline installation work	Mitigate	APCO/ArCon submitted a replacement resume for USAID COR approval, approval was received on March 27th and APCO is working on the country clearance and entry visa process.	Contactor	In progress	
6	External								0							
7	Procurement	Progress in water works	Long lead delivery of steel pipes.	L	Contractor	Progress meetings	2	1	2	No cost impact	Not determined yet	Avoid	Purchase orders were issued, coordination with supplier to meet scheduled delivery dates.	Contractor	In progress	
8	Skills								0							
9	Complexity								0							
10	Resources								0							
11	Communications								0							
									0							