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MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00016

Deir Sha'ar Main Pipeline Project (SHT)

APCO/ArCon

April , 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 Apr. 01, 2014 to Apr. 30, 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 06

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
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……... 9
Quality Control and Test Results……... 9
Submittals ……. 9
RFIs…… 9
Transmittals…… 9-11
Payments…… 12
Variation Order ……. 12
Variation Order Requests……... 12
Obstacles and Challenges…….. 12
Progress Photos……. 13
Annexes
A Materials- Equipment Receiving Log…… 14-16
B Detailed Time Schedule for the Project……. 17-46
One Month Look ahead …… 47-52
Completed and in progress activities…… 53-58
C Progress S-Curve versus Actual…… 59-60
D Site Memos Log……. 61-63
E Inspection Requests Log…… 64-69
F Submittals Log for the Reporting Period……... 70-81
G RFI's Log for the Reporting Period……... 82-83
H Geo-MIS Data Collection Sheet…… 84-87
Generated Person-Days of Employment
I Risk Register Log…….. 88-90

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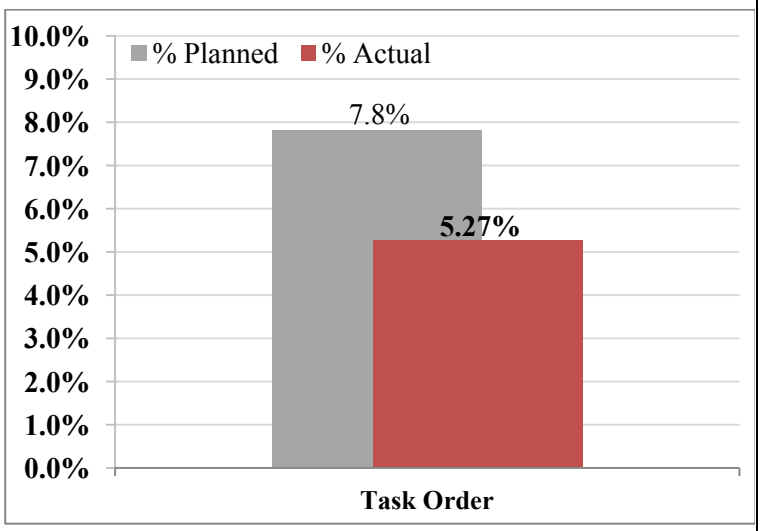
TASK ORDER OVERVIEW:

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
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	7.8%
Actual Percentage of Completion	5.27%



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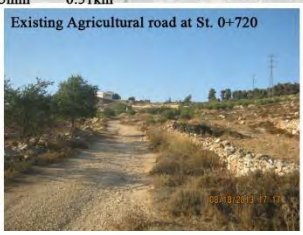
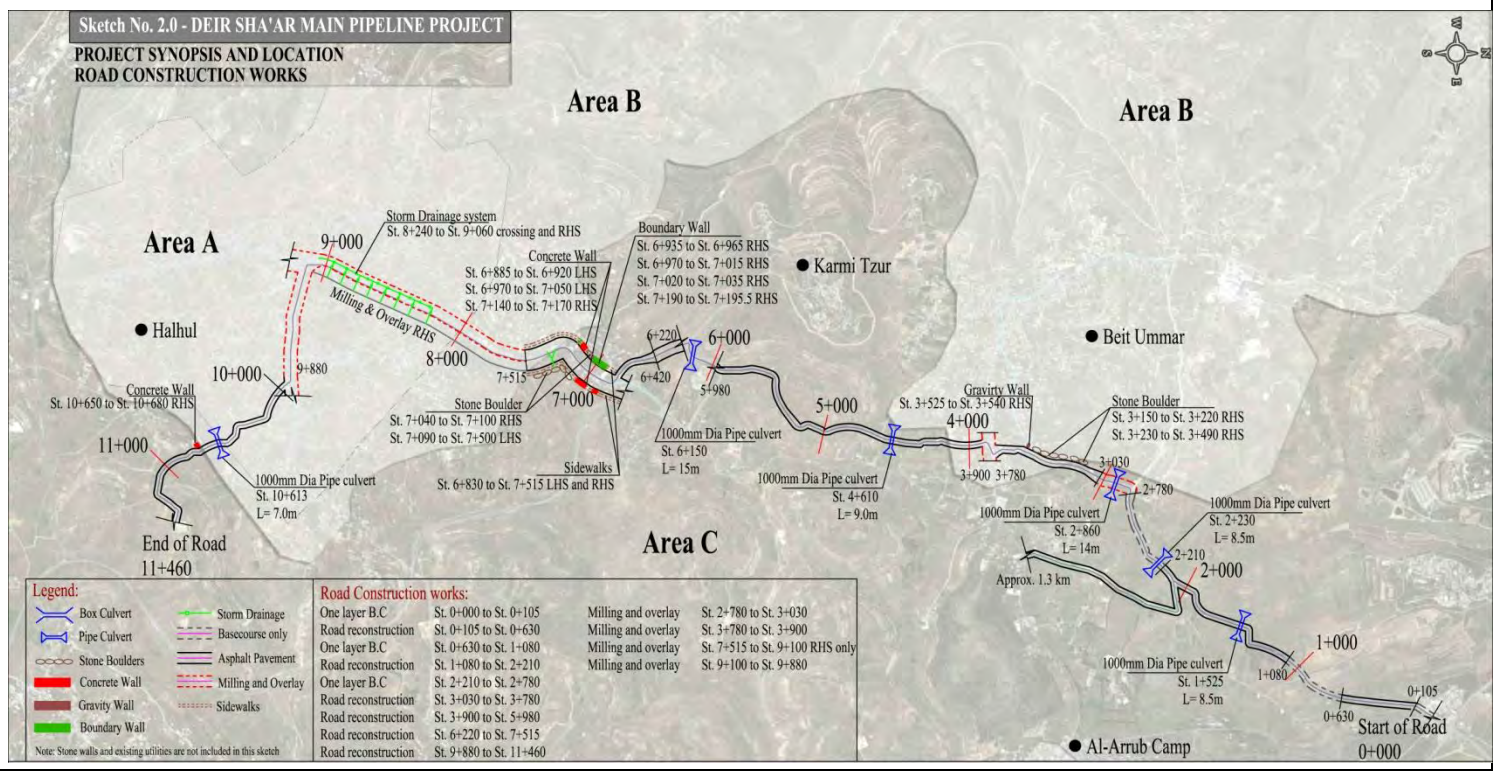
Deir Sha'ar Booster station
St. 0+000


Existing Agricultural road at St. 0+720

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

Inside Hahul 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
April 28, 2014	STBM-00016-C-E-005	Halhul Site	Safety tool box meeting /safety measures during formwork and steel works and possible hazards.

Figure 01: Safety Toolbox talk

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. An environmental checklist was issued by CMC on April 30, 2014 listing only 2 minor recommendations related to updating the first aid kit and minimizing the spaces between used concrete barriers. APCO will respond to these recommendations and make the necessary mitigation measures.

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 was stamped and approved by Israeli and Palestinian related authorities and submitted to CMC. A conditional written approval from DCL was received on February 20, 2014 for traffic plan from St. 0+000 to St. 2+800, and Maatz approval was received for phase 01 traffic plan from St. 0+000 to St. 2+800 on April 8th, 2014. APCO/ArCon is working on preparing and approving traffic plans for remaining road segments that are located in Area C.

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:

April 14, 2014	Meeting was conducted at Al Arroub Technical College to introduce T.O 16 scope, stakeholders and the proposed scope and pipeline installtion near the college, and arranging for a safety toolbox talk for the college students.
April 15, 2014	Meeting at Isa'ad Al Tofoleh Center – arrange a schedule for possible activites that can be conducted for the kids within /nearby the southern projects including T.O 16.
April 22, 2014	Meeting at Palestine Primary Girls School, at Halhul near Al Nabi Younes.

Figure 02: Meeting at Al Arroub Technical College.

Figure 03: Meeting at Palestine Primary Girls School.

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COORDINATION:

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

Date	Attendees	Subject	Description
April 03, 2014	USAID representatives Black & Veatch representatives Subcontractors' representatives. APCO/ArCon representatives.	Monthly contracting officer's Meeting	APCO/ArCon briefly discussed all task orders progress, obstacles and challenges.
April 05, 2014	Beit Ummar Municipality Engineer - NabeelAlqam, Land owner in Kherbit Al Qit APCO- Ishaq Al-Horainat, Fadi Najajreh, Rashid Sarhan.	Coordination meeting	Discussing landowner objection on R.O.W at Kherbit Al Qit from St.5+300 to St.5+400
April 06, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam, Land owner in Kherbit Al Qit APCO- Ishaq Al-Horainat, Diaa' Dahman BV- Maher Awawdeh, Ghaleb Najajreh	Coordination meeting	Discussing landowner objection on R.O.W at Kherbit Al Qit from St.5+300 to St.5+400
April 14, 2014	Al Arroub college- Dr. Mohib Abu Loha, Dr. Yousef Sabarneh, Mr. Abdallah Banat APCO- Narmeen Al-Bakri, Ishaq Al-Horainat B&V- Rawan Al Qawasmeh	Public Relation and community outreach	Introduce task order scope in general and anticipated construction activities near the college.
April 16, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam APCO-Ishaq Al-Horainat	Coordination Meeting	Coordination with Beit Ummar Municipality to determine the right of way for the main road from St.4+250 to St.5+200
April 17, 2014	Black & Veatch/Adnan Al Joulani APCO ArCon/ Qamar Dweikat APCO ArCon/Narmeen Bakri	Public relation Meeting	Outreach plan for local public awareness
April 19, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam, Land owner in Kherbit Al Qit APCO- Ishaq Al-Horainat	Coordination Meeting	Coordination with Beit Ummar Municipality to open the road at Kherbit Al-Qit from St.5+300 to St.5+400
April 23, 2014	USAID-Sonia Massis PWA-Taher Safi B&V-Adnan Safi, Maher Awawdeh, Malik Najajreh, Ghaleb Najajreh, Khalid Haramy, Adnan Azazmeh, Isra` Odeh APCO- Ishaq Al Horainat, Ibrahim Hinde, Ruba Abuhamdiya, and Mahmoud Jaradat	Bi-Weekly Progress Meeting	A meeting to discuss safety and environment, quality control, progress of work, submittals, financial and reports status.
April 24, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam APCO- Ishaq Al-Horainat BV-Maher Awawdeh, Ghaleb Najajreh	Coordination Meeting	Site coordination with Beit-Ummar Municipality and Halhul Municipality to determine and assign centerline in Kherbit Al-Qit from St.4+900 to St. 5+600.
April 29, 2014	Halhul Municipality – Issam Abu Ermeshan APCO-Fadi Najajreh	Coordination Meeting	Site coordination with Halhul Municipality to assign and mark the location and alignment of an existing old 8" water steel pipeline in Zaboud area –Halhul.

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SITE VISITORS

During this reporting period, the following visits have occurred:

Date	Organization	Location	Description
Task Order 16			
April 09, 2014	USAID- Eng. Sonia Massis	Halhul Site	Site visit to follow-up retaining walls work progress and quality of work.
April 10, 2014	USAID- Hourig DelDelian Minister of MoPWH - Maher Ghuneim	Halhul Site	Site visit to follow-up work progress at the retaining wall works area in Halhul.
April 16, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam	Beit Ummar Mainline from St.4+250 to St.5+200	Coordination site visit to determine right of way for the main road from St.4+250 to St.5+200
April 19, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam, Land owners in Kherbit Al Qit	Beit Ummar Kherbit Al-Qit from St.5+300 to St.5+400	Coordination site visit to determine on road carriageway and R.O.W in Kherbit Al-Qit from St.5+300 to St.5+400
April 24, 2014	Beit Ummar Municipality Engineer - Nabeel Alqam	Beit Ummar Kherbit Al-Qit from St.4+900 to St. 5+600.	Site coordination with Beit-Ummar Municipality and Halhul Municipality to determine and assign centerline in Kherbit Al-Qit from St.4+900 to St. 5+600.
April 29, 2014	Halhul Municipality – Issam Abu Ermeshan	Halhul Site	Site coordination with Halhul Municipality to assign and mark the location and alignment of an existing old 8" water steel pipeline in Zaboud area –Halhul.

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

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

PROGRESS and SCHEDULING:

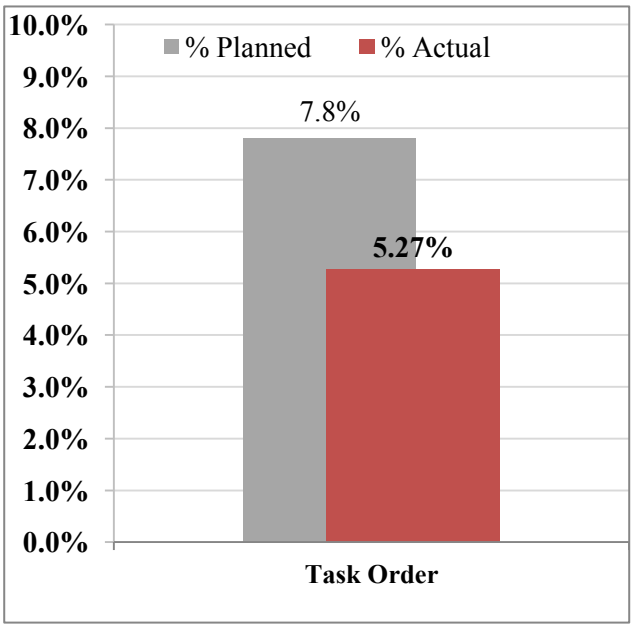
% of Completion:

- Survey works 92%
- Shop drawing preparation 60%
- Excavation 15.2%
- Concrete works 37.8%

Overall percentages of completion are :

Completion%	**T.O**
Planned %	**7.80%**
Actual %	**5.37%**

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



Project is behind schedule due to delay in starting Beit Ummar internal networks; 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 St.7+095 LHS- length (75 LM)
- Continue construction of concrete retaining wall from St. 7+390 to St. 7+505 LHS length-(115 LM) (70% complete).
- Start construction of concrete retaining wall from St. 7+290 to St. 7+390 LHS-length (100 LM) (30% complete).
- Start construction of concrete retaining wall from St. 7+190 to St. 7+290 LHS length (100 LM) (20% complete).
- Start road excavation and backfilling to the required sub-grade levels for the road along AL-Arrub distribution networks 4 inch and 6 inch (70% complete).
- Start rock breaking (digging) for 30'' pipeline from St.0+600 to St.1+200 (100% 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 from St. 6+840 to St. 7+515 LHS.
- Start delivery of 760 mm pipes and fittings.
- Finish construction of concrete retaining wall from St.7+390 to St. 7+505 LHS- length (115 LM).
- Finish construction of concrete retaining wall from St.7+290 to St. 7+390 LHS- length (100 LM).
- Finish construction of concrete retaining wall from St.7+190 to St. 7+290 LHS- length (100 LM).
- Start trench excavation, bedding and installation for 200 mm distribution pipeline for Beit Ummar water network from St. 0+000 to St. 2+374.
- Start excavation of trench, bedding, installation of 760 mm steel pipes and backfill from St. 0+000 to St. 0+630.

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:

Road Sector-	
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
Water Sector-	
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	26
6	Accumulated Working Days	142
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	4
8	Accumulated non-working days (Holidays and weekends)	25
9	No. of other non-working days during this month**	0
10	Accumulated other non-working days	9

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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 =1,324 Man-Days (Audited up to Feb. 2013)
- Employment generated this month =736 Man-Days (Audited up to Feb. 2013)
- Total cumulative employment generated to-date (Male and Female) =**2,060** Man-Days (rounded to nearest man-day)
- Total cumulative female employment generated previously =841 Hours = **105** Man-Days
- Total female employment generated this month=208 Hours = **26** Man-Days (rounded to nearest man-day)
- Total cumulative female employment to-date=1,049 Hours = **131** Man-Days (rounded to nearest man-day)

Total Job Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Job Days / 23.8)
Generated previously = 1,324 Man-days	Generated previously = 56
During this reporting period = 736 Man-days	During this reporting period = 31
Total generated to-date = **2,060** Man-days	Total generated to-date = **87** (numbers are rounded to nearest FTE)

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

PROCUREMENT:
No pipes were delivered during April, 2014.
An Inspection visit was conducted by BV to Middle East Tubing Factory (METCO) on April 30, 2014 to inspect 30" pipes. Coils were inspected and found acceptable. Complete coils mill certificates and reports to be submitted to CMC in order to fulfill the inspection requirements.
Expected pipes to be delivered in May- 30" pipes is 1,000 l.m

Figures 04 and 05: Black and Veatch Inspection visit to Middle East Tubing Factory (METCO) on April 30, 2014

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INSPECTION REQUEST:

Up to this reporting period **77** 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	77	70	7	55	0	13	2
%		90.9%	9.1%	71.4%	0.0%	16.9%	2.6%

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 **19** 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.	19	19	0	16	3	0	0	0
%		100%	0.0%	84.2%	15.8%	0.0%	0.0%	0.0%

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	16	16	0	
Steel	Reinforcement Steel Bars	2	2	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 **225** 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.	225	211	14	11	108	75	2	15
%		93.8%	6.2%	4.9%	48.0%	33.3%	0.9%	6.7%
Total of Retracted submittals = 15								

RFI:

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

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TRANSMITTALS:

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
April 01 ,2014	By Email	USAID/ APCO/ArCon	Re: TO#16 Self-Performance
April 01 ,2014	By Email	APCO/ArCon/ USAID	CWI Country Clearance
April 01 ,2014	By Email	APCO/ArCon/ USAID	CWI Country Clearance- Aron Luke
April 01 ,2014	By Email	APCO/ArCon/ USAID	Thermoplastic Paint
April 04 ,2014	By Email	APCO/ArCon/ USAID	CWI Vijay Alapati- TO#16
April 04 ,2014	By Email	APCO/ArCon/ USAID	CWI -Aron Luke
April 04 ,2014	By Email	USAID/ APCO/ArCon	Fwd: Refresher Vetting Training *Action Required*
April 05 ,2014	By Email	APCO/ArCon/ USAID	RE: Refresher Vetting Training *Action Required*
April 05 ,2014	By Email	APCO/ArCon/ USAID	T.O 16- Monthly Report- March 2014- Draft
April 07 ,2014	By Email	USAID / APCO/ArCon	Country Clearance Approval and Travel Concurrence Approval for Alapati and Gompana
April 07 ,2014	By Email	USAID / APCO/ArCon	Re: Country Clearance Approval and Travel Concurrence Approval for Alapati and Gompan
April 08 ,2014	By Email	APCO/ArCon/ USAID	RE: Country Clearance Approval and Travel Concurrence Approval for Alapati and Gompana
April 09 ,2014	By Email	APCO/ArCon/ USAID	Vetting Request for MOREX 71 LTD on Task Order No. 13-00016
April 11 ,2014	By Email	USAID / APCO/ArCon	Re: Vetting Request for Tarifi Contracting and Reconstruction Company T.O 13-00016
April 17 ,2014	By Email	USAID / APCO/ArCon	Re: T.O 16- Monthly Report- March 2014- Draft
April 17 ,2014	By Email	USAID / APCO/ArCon	Delays at Task Order 13-00016, Deir Sha"ar Piepeline
April 18 ,2014	By Email	APCO/ArCon/ USAID	RE: T.O 16- Monthly Report- March 2014- Modified
April 19 ,2014	By Email	USAID / APCO/ArCon	COR Approval for T.O 16- Monthly Report- March 2014- Modified
April 25 ,2014	By Email	APCO/ArCon/ USAID	RE: Foreign Welder 01- Mr. Veeraswamy Guggilapu (Email 1 of 3)
April 25 ,2014	By Email	APCO/ArCon/ USAID	RE: Foreign Welder 02- Mr. Srinivasa Rao Kopanthi (Email 2of 3)
April 25 ,2014	By Email	APCO/ArCon/ USAID	RE: Foreign Welder 03- Mr. Surya Prakash Kothara (Email 3 of 3)
April 28 ,2014	By Email	APCO/ArCon/ USAID	Two Months look ahead schedule -TO 1300016
April 29 ,2014	By Email	APCO/ArCon/ USAID	FW: The steel for 30"
April 29 ,2014	By Email	USAID / APCO/ArCon	Re: FW: The steel for 30"
April 29 ,2014	By Email	USAID / APCO/ArCon	Country Clearances for Welders Srinivasa, Surya and Veeraswamy
April 29 ,2014	By Email	USAID / APCO/ArCon	Re: T0 13-00016SHT: Draft MOM of PM # 07
April 29 ,2014	By Email	APCO/ArCon/ USAID	RE: Country Clearances for Welders Srinivasa, Surya and Veeraswamy

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
April 01, 2014	By Email	APCO/ArCon/B&V	Radiographs
April 02, 2014	By Email	B&V/APCO/ArCon	RE: Radiographs
April 02, 2014	By Email	APCO/ArCon/B&V	walkthrough with
April 03, 2014	By Email	APCO/ArCon/B&V	FW: Burusan Pipes
April 05, 2014	By Email	B&V/APCO/ArCon	Southern Task Orders: USAID field visit on April 09, 2014
April 05, 2014	By Email	APCO/ArCon/B&V	RE: Southern Task Orders: USAID field visit on April 09
April 06, 2014	By Email	APCO/ArCon/B&V	March 2014- Geo-MIS Data
April 07, 2014	By Email	B&V/APCO/ArCon	RE: APCO PR officers- Contact information
April 07, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Full security System-Reminder
April 12, 2014	By Email	APCO/ArCon/B&V	IR and Measurement Sheets
April 12, 2014	By Email	B&V/APCO/ArCon	RE: IR and Measurement Sheets
April 14, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: PM #07 Agenda
April 14, 2014	By Email	APCO/ArCon/B&V	FW: Measurement Sheet in the IR`s (TO#16)
April 14, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT:Measurement Sheet in the IR`s
April 14, 2014	By Email	B&V/APCO/ArCon	All Task Orders: Inspections after regular work hours
April 15, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: PM #07 Agenda
April 16, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Pipes Inspection Schedule
April 17, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Ultrasonic testing
April 19, 2014	By Email	B&V/APCO/ArCon	All Task Orders: Traffic Plan Status Update
April 21, 2014	By Email	B&V/APCO/ArCon	RE: Public Relations Meeting
April 21, 2014	By Email	APCO/ArCon/B&V	RE: All Task Orders: Traffic Plan Status Update
April 22, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: PM #07 Agenda
April 22, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: Ultrasonic testing-Reminder #1
April 25, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016SHT: Ultrasonic testing-Reminder #1
April 27, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: Ultrasonic testing-Reminder #1
April 27, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016SHT: Ultrasonic testing-Reminder #1
April 28, 2014	By Email	APCO/ArCon/B&V	FW: The steel for 30"
April 29, 2014	By Email	B&V/APCO/ArCon	RE: FW: The steel for 30"
April 29, 2014	By Email	B&V/APCO/ArCon	T0 13-00016SHT: Draft MOM of PM # 07
April 29, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: 30" Raw Material Inspection
April 30, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: 30" pipes detailed plan
April 30, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: Full security System-Reminder #2
April 30, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016SHT: Full security System-Reminder #2

USAID | WEST BANK/GAZA
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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
02	April 07, 2014	$ 59,047.20	$0.00	Not Received Yet	
Total		**$624,060.65**	**$0.00**	**$ 565,013.45**	

APCO/ArCon total accrued expenditures $ 257,934.55

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 In Process	00

OBSTACLES AND CHALLENGES

Obstacle	Action
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, country clearance was also received, and APCO is working on the entry visa process. Anticipated date of CWI arrival is May 10, 2014.
Landowners' objection on R.O.W between Beit Ummar and Halhul at Kherbit Al-Qit from St.4+900 to St. 5+600. .	Issue resolved on April 24, 2014 after intensive coordination meetings and site visits with Halhul and Beit Ummar municipalities and landowners.

USAID | WEST BANK/GAZA
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PROGRESS PHOTOS:

Excavation works for Retaining wall from St. 7+200 to St. 7+220	Retaining wall works from St. 7+093 to St. 7+170.
Retaining wall foundation works from St. 7+320 to St. 7+415	Retaining wall works St. 7+320 to St. 7+415

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/April 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
4/1/2014											1		1								3													
2/4/2014											2		1								3													
3/4/2014		1									1		1			1					3													
4/4/2014		1										1		1		1					0													
5/4/2014											3		1								4													
6/4/2014											3		1								4													
7/4/2014											3		1								4													
8/4/2014											3		1								4													
9/4/2014											1		1								2													
10/4/2014											1		1								2													
11/4/2014											0		0								0													
12/4/2014											1		0								2													
13/4/2014											1		0								0													
14/4/2014											0		0								0													
15/4/2014											1		1								3													
16/4/2014											1		1								3													
17/4/2014											2		1								3													
18/4/2014											0		0								0													
19/4/2014											2		1								3													
20/4/2014											1		2								3													
21/4/2014											0		1								3													
22/4/2014											1		1								3													
23/4/2014											1		1								3													
24/4/2014											1		0								0													
25/4/2014											0		0								0													
26/4/2014											1		0								0													
27/4/2014											1		0								0													
28/4/2014											1		0								0													
29/4/2014											1		0								0													
30/4/2014											1		0								0													

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

Title: Materials Receiving Log/ April, 2014

Date	Material Delivered to Site	Quantity
1-Apr		
2-Apr		
3-Apr	Concrete B-200	28 m3
4-Apr		
5-Apr		
6-Apr		
7-Apr		
8-Apr	Concrete B-200	18 m3
9-Apr		
10-Apr		
11-Apr		
12-Apr	Concrete B-300	115 m3
13-Apr		
14-Apr		
15-Apr	Concrete B(300)	51 m3
16-Apr		
17-Apr		
18-Apr		
19-Apr	Concrete B(300)	23.5 m3
20-Apr		
21-Apr		
22-Apr		
23-Apr		
24-Apr		
25-Apr		
26-Apr		
27-Apr	Concrete B-200	28 m3
27-Apr	Concrete B-250	47 m3
28-Apr		
29-Apr		
30-Apr		

B | Detailed Time Schedule for the Project

APCO ArCon
CONSTRUCTION AND SERVICES

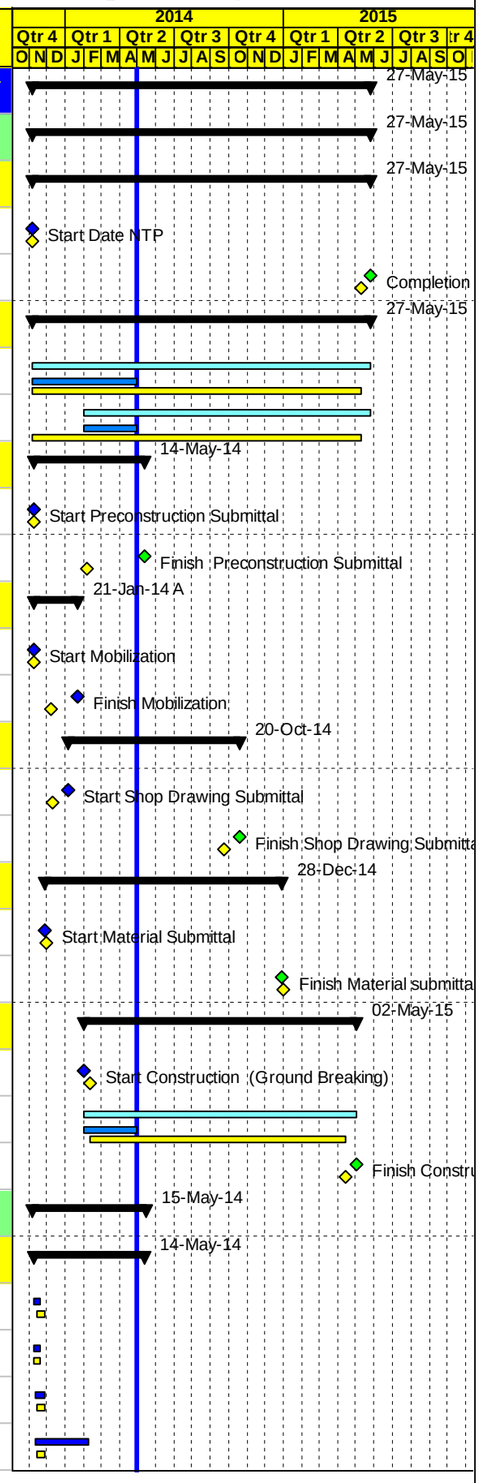
Updated Construction Program

April 30, 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		567d		391d	06-Nov-13	09-May-15	06-Nov-13 A	27-May-15	-17d	$822,948	$15,612,214
Milestones		567d		391d	06-Nov-13	09-May-15	06-Nov-13 A	27-May-15	-17d	$0	$0
General Milestones		440d		0d	06-Nov-13	09-May-15	06-Nov-13 A	27-May-15	-15d	$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		27-May-15	-15d	$0	$0
Task order Duration		550d		391d	06-Nov-13	09-May-15	06-Nov-13 A	27-May-15	-17d	$0	$0
SHT0030	Project Duration (Calendar Days)	550d	28.86%	391d	06-Nov-13	09-May-15	06-Nov-13 A	27-May-15	-17d	$0	$0
SHT0040	Project Duration (Working Days)	425d	28.44%	304d	06-Nov-13	09-May-15	01-Feb-14 A	27-May-15	-15d	$0	$0
Pre Construction Milestones		133d		0d	10-Nov-13	05-Feb-14	10-Nov-13 A	14-May-14	9d	$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-May-14	9d	$0	$0
Mobilization Milestones		23d		0d	10-Nov-13	08-Dec-13	10-Nov-13 A	21-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		21-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		346d		282d	12-Feb-14	14-Apr-15	01-Feb-14 A	02-May-15	-14d	$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	15.03%	282d	12-Feb-14	14-Apr-15	01-Feb-14 A	02-May-15	-14d	$0	$0
SHT1110	Finish Construction Phase	0d	0%	0d		14-Apr-15		02-May-15	-14d	$0	$0
Pre Construction Phase		190d		15d	06-Nov-13	05-Feb-14	06-Nov-13 A	15-May-14	12d	$594,751	$594,751
Pre Construction Submittals		133d		10d	10-Nov-13	05-Feb-14	10-Nov-13 A	14-May-14	9d	$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



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 1 of 29

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

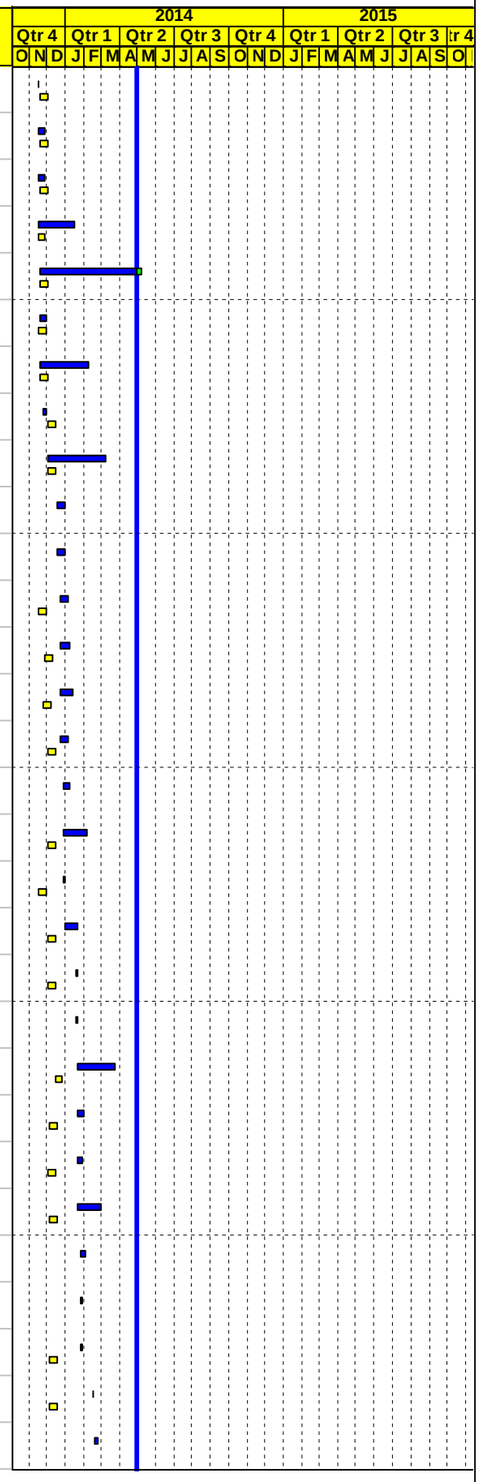
Updated Construction Program

April 30, 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
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
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-May-14	14d	$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 from Sta.0+000 to Sta.2+700	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
SHT0134-new	Survey Plan from Sta.2+700 to Sta.6+000	10d	100%	0d			19-Dec-13 A	31-Dec-13 A		$0	$0
SHT0135-new	Survey Plan from Sta.6+000 to Sta.7+650	10d	100%	0d			19-Dec-13 A	31-Dec-13 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-new	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
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
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/Phase 01- From St. 0+700 to St. 4+400 and From St. 6+230 to St. 11+460	10d	100%	0d	04-Dec-13	17-Dec-13	02-Jan-14 A	22-Jan-14 A		$0	$0
SHT0148	Proposed Staging and Storage area location	10d	100%	0d	03-Dec-13	16-Dec-13	20-Jan-14 A	23-Jan-14 A		$0	$0
SHT0155-new	Dilapidation Survey - Phase 02- From St. 0+000 to St.0+700 and From St. 4+400 to St. 6+200.	10d	100%	0d			20-Jan-14 A	22-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 Program - Phase 01- From St. 0+000 to St.2+700 and From St. 6+800 to St. 7+515	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
SHT0136-new	Survey Plan from Sta.7+093 to Sta.7+220	10d	100%	0d			26-Jan-14 A	03-Feb-14 A		$0	$0
SHT0157-new	Proposed Dumping area	10d	100%	0d			26-Jan-14 A	30-Jan-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



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-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

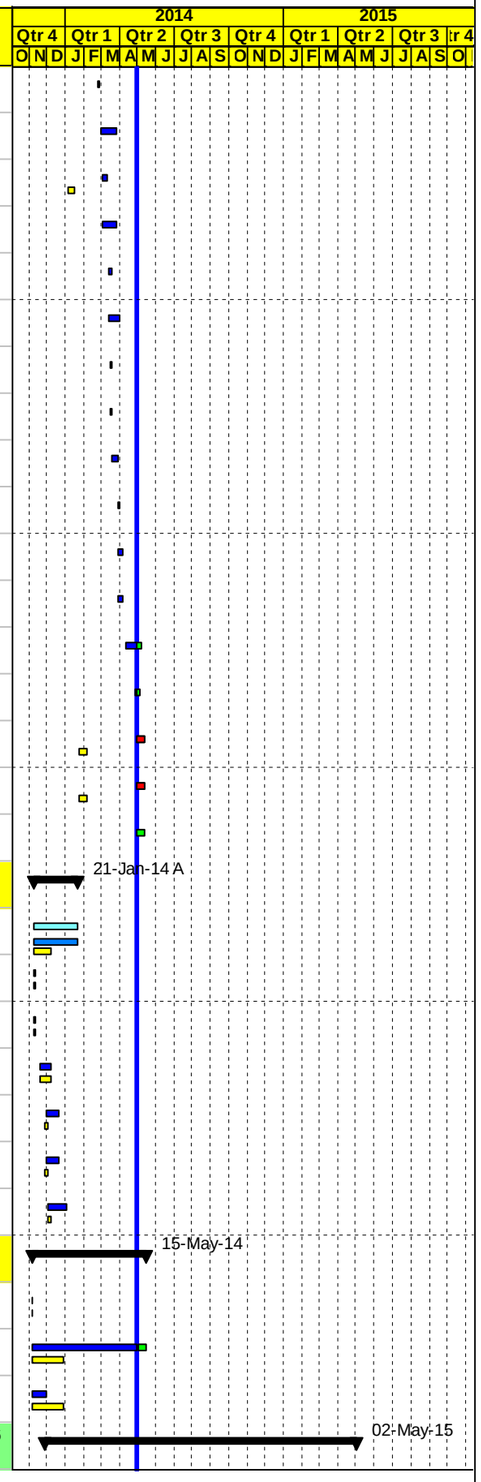
Updated Construction Program

April 30, 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
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	Welders Qualifications (Certificate for Welder Fadi Shuebeha)	10d	100%	0d	05-Jan-14	16-Jan-14	05-Mar-14 A	13-Mar-14 A		$0	$0
SHT0166-new	8"-12" Procedure Qualification Record (PQR)	10d	100%	0d			05-Mar-14 A	27-Mar-14 A		$0	$0
SHT0203-new	Radiographic Testing (RT) Method Statement	10d	100%	0d			15-Mar-14 A	20-Mar-14 A		$0	$0
SHT0137-new10	Specific Method Statement -3" To 12" Pipeline Installation ,welding procedure and Testing	10d	100%	0d			16-Mar-14 A	02-Apr-14 A		$0	$0
SHT0168-new	Dilapidation Survey -Beit Ummar 8" Network	10d	100%	0d			18-Mar-14 A	19-Mar-14 A		$0	$0
SHT0196-new	Risk Management Program - Beit Ummar 8" Network	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
SHT0197-new	Dilapidation Survey -Al-Aroub Connection 4" & 6"	10d	100%	0d			30-Mar-14 A	02-Apr-14 A		$0	$0
SHT0198-new	Risk Management Program -Al-Aroub Connection 4" & 6"	10d	100%	0d			31-Mar-14 A	08-Apr-14 A		$0	$0
SHT0199-new	8" Water steel pipe work installation -Method of Statement	10d	100%	0d			31-Mar-14 A	08-Apr-14 A		$0	$0
SHT0137-new	Survey Plan from Sta. 9+890 to Sta. 11+463	10d	50%	5d			13-Apr-14 A	07-May-14	14d	$0	$0
SHT0201-new	Survey Plan from Sta. 7+650 to Sta. 9+890	5d	50%	3d			29-Apr-14 A	05-May-14	17d	$0	$0
SHT0166	R.T. testing agency qualifications	10d	0%	10d	23-Jan-14	05-Feb-14	01-May-14	14-May-14	-14d	$0	$0
SHT0167	U.T. testing entity's qualifications.	10d	0%	10d	23-Jan-14	05-Feb-14	01-May-14	14-May-14	-14d	$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-May-14	14-May-14	9d	$0	$0
Mobilization		23d		0d	10-Nov-13	08-Dec-13	11-Nov-13 A	21-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	21-Jan-14 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	15-May-14	10d	$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	15-May-14	10d	$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		542d		366d	01-Dec-13	14-Apr-15	28-Nov-13 A	02-May-15	8d	$228,197	$14,868,776



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-May-14			

APCO ArCon CONSTRUCTION AND SERVICES

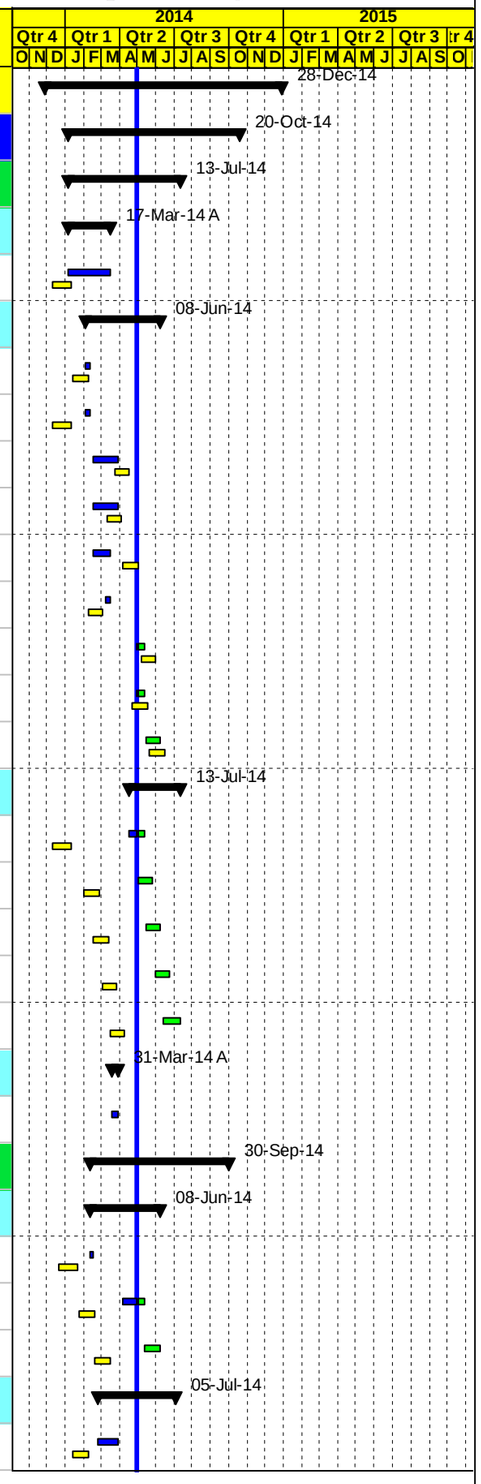
Updated Construction Program

April 30, 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
Construction Submittals		417d		241d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	133d	$0	$0
Shop Drawing Submittals		348d		172d	10-Dec-13	24-Sep-14	07-Jan-14 A	20-Oct-14	202d	$0	$0
Plan Profile and Cross Sections		166d		57d	10-Dec-13	15-Jun-14	07-Jan-14 A	13-Jul-14	108d	$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	17-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	17-Mar-14 A		$0	$0
Plan Profile and Cross Sections from St. 0+000 to 5+980 Phase Three		141d		32d	10-Dec-13	15-Jun-14	03-Feb-14 A	08-Jun-14	132d	$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
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
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+780	21d	100%	0d	10-Feb-14	05-Mar-14	09-Mar-14 A	17-Mar-14 A		$0	$0
SHT0206	From St.4+950 to 6+000	21d	50%	11d	08-May-14	01-Jun-14	30-Apr-14 A	14-May-14	131d	$0	$0
SHT0204	From St. 3+900 to 4+950	21d	50%	11d	23-Apr-14	18-May-14	30-Apr-14 A	14-May-14	106d	$0	$0
SHT0208	From St. 5+300 to 5+980	21d	0%	21d	22-May-14	15-Jun-14	15-May-14	08-Jun-14	132d	$0	$0
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Fo		69d		57d	10-Dec-13	10-Apr-14	17-Apr-14 A	13-Jul-14	108d	$0	$0
SHT0210	From St. 11+460 to 09+890	21d	50%	11d	10-Dec-13	12-Jan-14	17-Apr-14 A	14-May-14	7d	$0	$0
SHT0216	From St.9+890 to 9+070	21d	0%	21d	02-Feb-14	26-Feb-14	03-May-14	26-May-14	46d	$0	$0
SHT0217	From St.9+070 to 7+515	21d	0%	21d	17-Feb-14	13-Mar-14	17-May-14	09-Jun-14	61d	$0	$0
SHT0218	From St.6+840 to 6+220	21d	0%	21d	03-Mar-14	27-Mar-14	31-May-14	23-Jun-14	108d	$0	$0
SHT0219	From St. 6+220 to 5+980	21d	0%	21d	18-Mar-14	10-Apr-14	14-Jun-14	13-Jul-14	108d	$0	$0
Plan Profile and Cross Sections Networks		21d		0d			20-Mar-14 A	31-Mar-14 A		$0	$0
SHT0219-new	from Sta.0+000 to Sta.1+225-Al Aroub Road	21d	100%	0d			20-Mar-14 A	31-Mar-14 A		$0	$0
Pipeline		218d		117d	22-Dec-13	16-Jul-14	12-Feb-14 A	30-Sep-14	90d	$0	$0
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		133d		32d	22-Dec-13	16-Mar-14	12-Feb-14 A	08-Jun-14	31d	$0	$0
SHT0220	Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 2+295	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	50%	11d	25-Jan-14	18-Feb-14	07-Apr-14 A	14-May-14	31d	$0	$0
SHT0222	Halhul Water Distribution Network All Segments	21d	0%	21d	19-Feb-14	16-Mar-14	14-May-14	08-Jun-14	31d	$0	$0
Waterline from St. 0+000 to 5+980 PhaseThree		141d		53d	13-Jan-14	16-Jul-14	24-Feb-14 A	05-Jul-14	132d	$0	$0
SHT0224	Waterline From St.0+000 to 1+200	21d	100%	0d	13-Jan-14	09-Feb-14	24-Feb-14 A	30-Mar-14 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

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APCO/ArCon CONSTRUCTION AND SERVICES

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April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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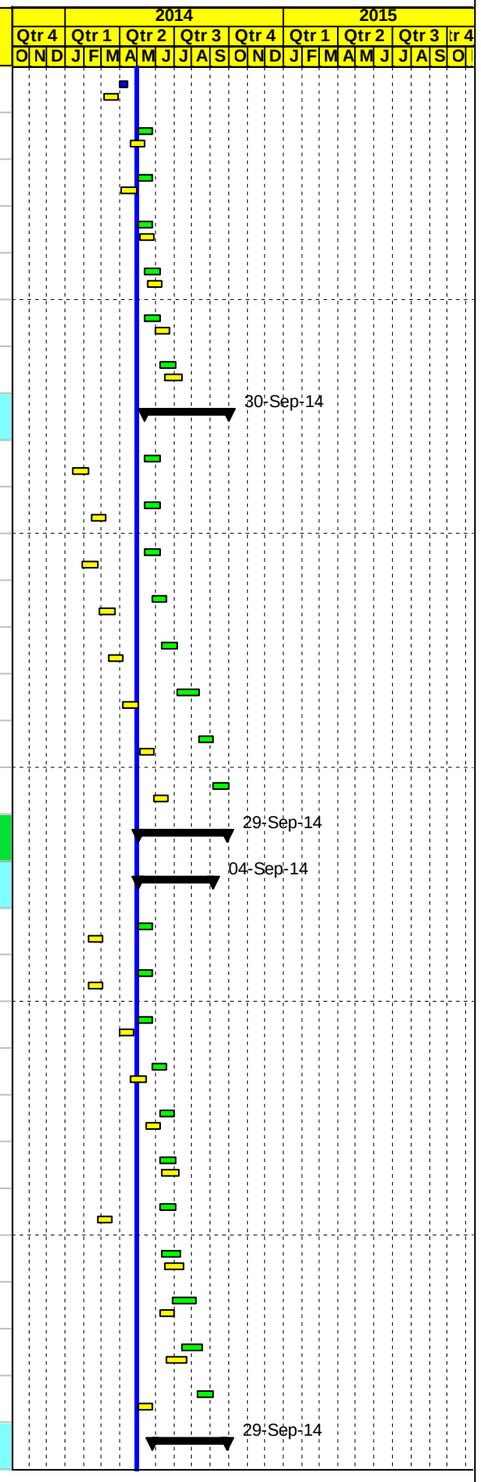
SHT0228	Waterline From St.1+200 to 2+780	21d	100%	0d	08-Mar-14	31-Mar-14	02-Apr-14 A	14-Apr-14 A		$0	$0
SHT0234	Waterline From St.3+030 to 3+780	21d	0%	21d	19-Apr-14	14-May-14	03-May-14	26-May-14	137d	$0	$0
SHT0232	Waterline From St. 2+780 to 3+030	21d	0%	21d	05-Apr-14	29-Apr-14	03-May-14	26-May-14	80d	$0	$0
SHT0236	Waterline From St. 3+780 to 3+900	21d	0%	21d	05-May-14	28-May-14	03-May-14	26-May-14	111d	$0	$0
SHT0238	Waterline From St. 3+900 to 4+640	21d	0%	21d	19-May-14	11-Jun-14	14-May-14	08-Jun-14	106d	$0	$0
SHT0240	Waterline From St. 4+640 to 5+300	21d	0%	21d	02-Jun-14	25-Jun-14	14-May-14	08-Jun-14	131d	$0	$0
SHT0242	Waterline From St. 5+300 to 5+980	21d	0%	21d	16-Jun-14	16-Jul-14	09-Jun-14	05-Jul-14	132d	$0	$0
Waterline from St. 11+460 to 5+980 Phase Four		107d		107d	13-Jan-14	22-Jun-14	14-May-14	30-Sep-14	90d	$0	$0
SHT0244	Waterline From St. 11+460 to 11+000	21d	0%	21d	13-Jan-14	09-Feb-14	14-May-14	08-Jun-14	7d	$0	$0
SHT0248	Waterline From St.10+460 to 9+880	21d	0%	21d	13-Feb-14	10-Mar-14	14-May-14	08-Jun-14	38d	$0	$0
SHT0246	Waterline From St. 11+000 to 10+460	21d	0%	21d	29-Jan-14	23-Feb-14	14-May-14	08-Jun-14	20d	$0	$0
SHT0250	Waterline From St.9+880 to 9+070	21d	0%	21d	27-Feb-14	24-Mar-14	27-May-14	19-Jun-14	46d	$0	$0
SHT0252	Waterline From St.9+070 to 7+515	21d	0%	21d	15-Mar-14	07-Apr-14	10-Jun-14	07-Jul-14	61d	$0	$0
SHT0254	Waterline From St.7+515 to 6+840	21d	0%	21d	08-Apr-14	04-May-14	07-Jul-14	12-Aug-14	89d	$0	$0
SHT0256	Waterline From St.6+840 to 6+220	21d	0%	21d	05-May-14	28-May-14	12-Aug-14	06-Sep-14	90d	$0	$0
SHT0258	Waterline From St. 6+220 to 5+980	21d	0%	21d	29-May-14	22-Jun-14	06-Sep-14	30-Sep-14	90d	$0	$0
Connection and Valves Chambers		116d		116d	10-Feb-14	21-Aug-14	03-May-14	29-Sep-14	132d	$0	$0
Civil		95d		95d	10-Feb-14	22-Jul-14	03-May-14	04-Sep-14	153d	$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	03-May-14	26-May-14	58d	$0	$0
SHT0267	Main Connection monitoring chamber @ sta. 0+140	21d	0%	21d	10-Feb-14	05-Mar-14	03-May-14	26-May-14	46d	$0	$0
SHT0273	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	21d	01-Apr-14	26-Apr-14	03-May-14	26-May-14	126d	$0	$0
SHT0276	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	0%	21d	21-Apr-14	15-May-14	27-May-14	19-Jun-14	154d	$0	$0
SHT0287	karmi Tzur connection chamber	21d	0%	21d	15-May-14	08-Jun-14	08-Jun-14	03-Jul-14	156d	$0	$0
SHT0279	Beit Ummar Flow monitoring chamber @ sta. 4+640	21d	0%	21d	12-Jun-14	10-Jul-14	08-Jun-14	03-Jul-14	122d	$0	$0
SHT0270	Halhul reservoir connection chamber @ Sta.11+390	21d	0%	21d	24-Feb-14	20-Mar-14	08-Jun-14	03-Jul-14	105d	$0	$0
SHT0281	Beit Ummar connection chamber @ sta. 3+480	21d	0%	21d	17-Jun-14	17-Jul-14	12-Jun-14	12-Jul-14	122d	$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	11-Aug-14	04-Sep-14	101d	$0	$0
Mechanical		95d		95d	08-Mar-14	21-Aug-14	27-May-14	29-Sep-14	113d	$0	$0



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
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April 30, 2014

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Deir Sha'aar Main Pipeline Project

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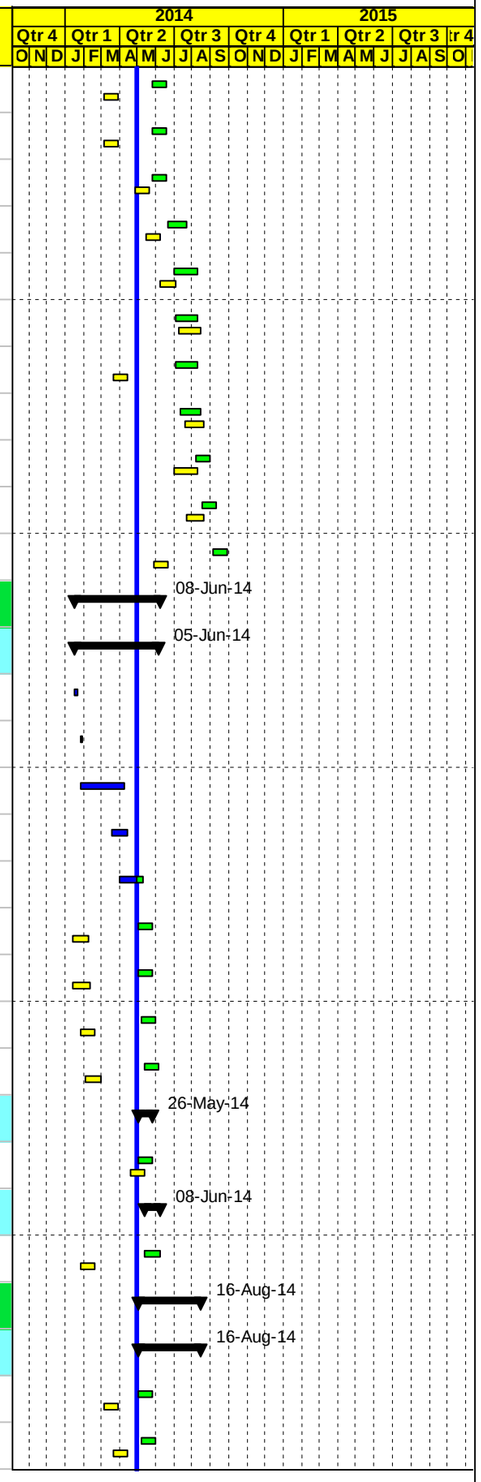
SHT0283	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	08-Mar-14	31-Mar-14	27-May-14	19-Jun-14	164d	$0	$0
SHT0284	Main Connection monitoring chamber @ sta. 0+140	21d	0%	21d	08-Mar-14	31-Mar-14	27-May-14	19-Jun-14	187d	$0	$0
SHT0209	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	21d	27-Apr-14	21-May-14	27-May-14	19-Jun-14	187d	$0	$0
SHT0301	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	0%	21d	17-May-14	09-Jun-14	21-Jun-14	23-Jul-14	166d	$0	$0
SHT0304	karmi Tzur connection chamber	21d	0%	21d	09-Jun-14	05-Jul-14	03-Jul-14	10-Aug-14	156d	$0	$0
SHT0306	Beit Ummar Flow monitoring chamber @ sta. 4+640	21d	0%	21d	10-Jul-14	14-Aug-14	05-Jul-14	10-Aug-14	151d	$0	$0
SHT0285	Halhul reservoir connection chamber @ Sta.11+390	21d	0%	21d	22-Mar-14	14-Apr-14	05-Jul-14	10-Aug-14	155d	$0	$0
SHT0307	Beit Ummar Connection chamber @ sta. 3+480	21d	0%	21d	19-Jul-14	19-Aug-14	12-Jul-14	14-Aug-14	151d	$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	04-Sep-14	29-Sep-14	113d	$0	$0
Concrete walls		215d		39d	13-Jan-14	14-May-14	16-Jan-14 A	08-Jun-14	336d	$0	$0
Concrete walls Phase One		212d		36d	13-Jan-14	01-Mar-14	16-Jan-14 A	05-Jun-14	338d	$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	23-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	100%	0d			28-Jan-14 A	10-Apr-14 A		$0	$0
SHT0308-new	Retaining Wall from Sta.7+220 to Sta.7+376 LHS	21d	100%	0d			19-Mar-14 A	15-Apr-14 A		$0	$0
SHT0307-new	Retaining Wall from Sta.7+375 to Sta.7+391 LHS and from Sta.7+432 to Sta.7+438 LHS	21d	50%	11d			03-Apr-14 A	11-May-14	364d	$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	03-May-14	26-May-14	38d	$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	04-May-14	27-May-14	38d	$0	$0
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	08-May-14	01-Jun-14	93d	$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	13-May-14	05-Jun-14	98d	$0	$0
Concrete walls Phase Three		21d		21d	19-Apr-14	14-May-14	03-May-14	26-May-14	80d	$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	03-May-14	26-May-14	80d	$0	$0
Concrete walls Phase Four		21d		21d	26-Jan-14	19-Feb-14	14-May-14	08-Jun-14	151d	$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	14-May-14	08-Jun-14	151d	$0	$0
Pipe Culverts		78d		78d	29-Jan-14	04-Aug-14	03-May-14	16-Aug-14	174d	$0	$0
Pipe Culverts Phase Three		78d		78d	08-Mar-14	04-Aug-14	03-May-14	16-Aug-14	174d	$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	03-May-14	26-May-14	127d	$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	07-May-14	31-May-14	188d	$0	$0



Project Baseline Bar
Level of effort Baseline
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TO16

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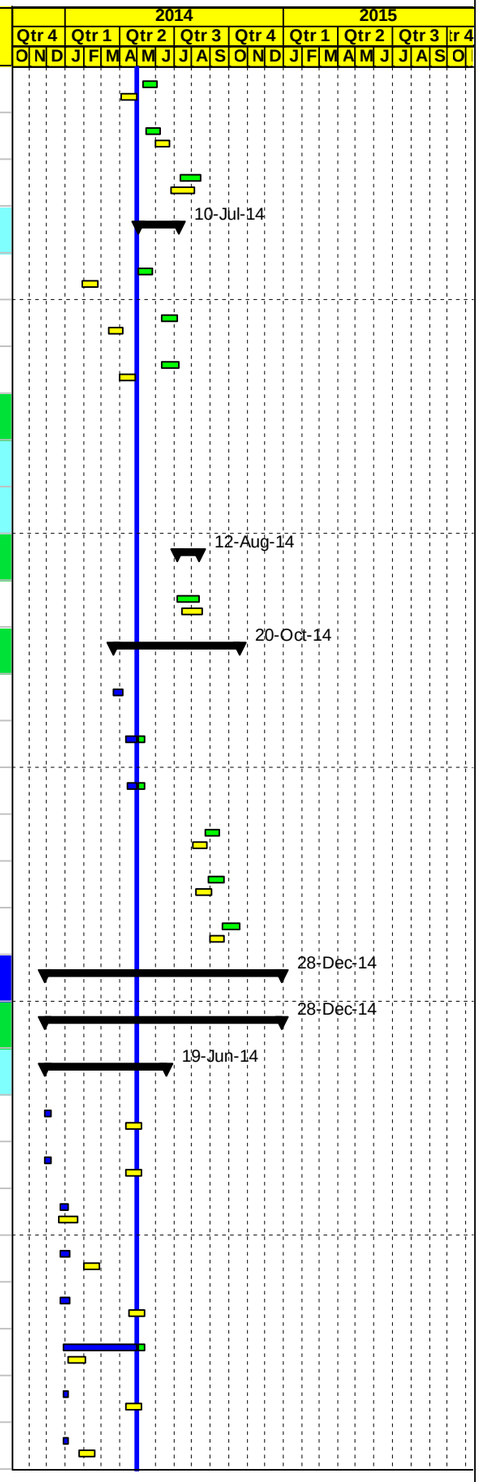
SHT0321	Dia. 1000 mm precast pipe culvert including inlet and outlet @ Sta.2+860 with L=14.0 m	21d	0%	21d	05-Apr-14	29-Apr-14	12-May-14	04-Jun-14	188d	$0	$0
SHT0324	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 4+610 with L=9.0 m	21d	0%	21d	02-Jun-14	25-Jun-14	17-May-14	09-Jun-14	198d	$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	13-Jul-14	16-Aug-14	174d	$0	$0
Pipe Culverts Phase Four		56d		56d	29-Jan-14	27-Apr-14	03-May-14	10-Jul-14	143d	$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	03-May-14	26-May-14	166d	$0	$0
SHT0333	Storm concrete system from st. 9+060 to 8+240	21d	0%	21d	15-Mar-14	07-Apr-14	10-Jun-14	07-Jul-14	142d	$0	$0
SHT0336	Storm concrete system from sta. 7+220 to 7+240	21d	0%	21d	02-Apr-14	27-Apr-14	12-Jun-14	10-Jul-14	143d	$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		155d		130d	02-Aug-14	24-Sep-14	24-Mar-14 A	20-Oct-14	159d	$0	$0
SHT0370-new	Manufacturer "Bermad" sizing of Deir Shaar Pressure Reducing Valve	21d	100%	0d			24-Mar-14 A	07-Apr-14 A		$0	$0
SHT0371-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 0+000 to St. 1+200.	21d	50%	11d			13-Apr-14 A	14-May-14	278d	$0	$0
SHT0372-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	21d	50%	11d			15-Apr-14 A	14-May-14	278d	$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		183d	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		183d	01-Dec-13	30-Dec-14	28-Nov-13 A	28-Dec-14	106d	$0	$0
Material Submittal Roads		143d		42d	22-Dec-13	12-Jun-14	28-Nov-13 A	19-Jun-14	247d	$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	Storm Drainage RC pipes	21d	50%	11d	06-Jan-14	03-Feb-14	30-Dec-13 A	14-May-14	137d	$0	$0
SHT0490	Guard Rail	21d	100%	0d	12-Apr-14	07-May-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0425	Curbstone	21d	100%	0d	25-Jan-14	18-Feb-14	30-Dec-13 A	06-Jan-14 A		$0	$0



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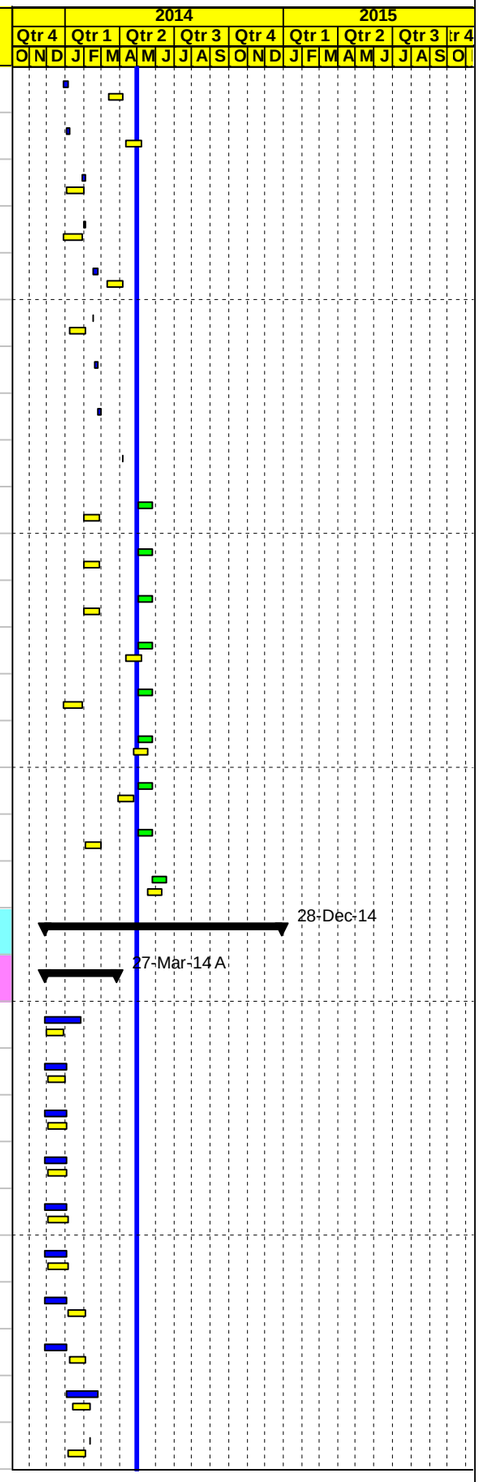
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT0460	Concrete joint sealant material	21d	100%	0d	15-Mar-14	07-Apr-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0495	Traffic sign	21d	100%	0d	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	25-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
SHT0567-new	Second source of base course	5d	100%	0d			06-Apr-14 A	08-Apr-14 A		$0	$0
SHT0430	Prime Coat	21d	0%	21d	02-Feb-14	26-Feb-14	03-May-14	26-May-14	268d	$0	$0
SHT0435	Tack Coat	21d	0%	21d	02-Feb-14	26-Feb-14	03-May-14	26-May-14	268d	$0	$0
SHT0440	Bituminous Binder Course-Mix Design	21d	0%	21d	02-Feb-14	26-Feb-14	03-May-14	26-May-14	268d	$0	$0
SHT0475	Galvanized steel Handrail	21d	0%	21d	12-Apr-14	07-May-14	03-May-14	26-May-14	226d	$0	$0
SHT0395	Precast Concrete Manholes and catch basin	21d	0%	21d	30-Dec-13	29-Jan-14	03-May-14	26-May-14	196d	$0	$0
SHT0465	Street Lighting including poles	21d	0%	21d	24-Apr-14	19-May-14	03-May-14	26-May-14	160d	$0	$0
SHT0470	Interlocking Blocks	21d	0%	21d	31-Mar-14	24-Apr-14	03-May-14	26-May-14	268d	$0	$0
SHT0640	Storm water manholes	21d	0%	21d	04-Feb-14	01-Mar-14	03-May-14	26-May-14	268d	$0	$0
SHT0505	Lighting control	21d	0%	21d	20-May-14	12-Jun-14	27-May-14	19-Jun-14	160d	$0	$0
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, la		299d		183d	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	27-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	05-Jan-14 A		$0	$0
SHT0520	Steel pipeline 200 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0525	Steel pipeline 150 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0530	Steel pipeline 100 mm	21d	100%	0d	04-Dec-13	05-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0535	Steel pipeline 75 mm	21d	100%	0d	04-Dec-13	05-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0548	Steel pipeline 250 mm	21d	100%	0d	06-Jan-14	03-Feb-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0557	Steel pipeline 50 mm	21d	100%	0d	08-Jan-14	04-Feb-14	28-Nov-13 A	05-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



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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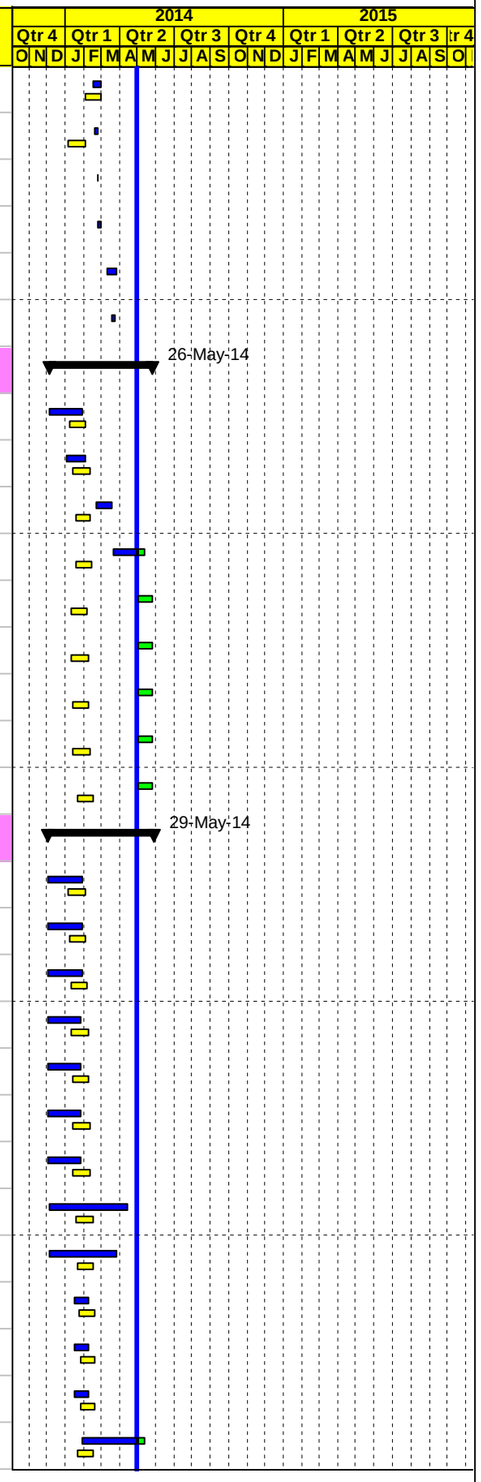
SHT0560	Warning tape	21d	100%	0d	04-Feb-14	01-Mar-14	18-Feb-14 A	02-Mar-14 A		$0	$0
SHT0547	Backfilling material	21d	100%	0d	06-Jan-14	03-Feb-14	20-Feb-14 A	24-Feb-14 A		$0	$0
SHT0561-new	Non-shrink cementitious mortar - Fosroc	21d	100%	0d			25-Feb-14 A	25-Feb-14 A		$0	$0
SHT0562-new	4" PVC Weep Pipe	21d	100%	0d			26-Feb-14 A	02-Mar-14 A		$0	$0
SHT0564-new	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP	21d	100%	0d			13-Mar-14 A	27-Mar-14 A		$0	$0
SHT0563-new	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		112d		21d	08-Jan-14	16-Feb-14	05-Dec-13 A	26-May-14	86d	$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	05-Jan-14 A	04-Feb-14 A		$0	$0
SHT0580	Flange Gaskets_Klinger	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	14-May-14	96d	$0	$0
SHT0565	Buddle flanges	21d	0%	21d	11-Jan-14	05-Feb-14	03-May-14	26-May-14	86d	$0	$0
SHT0568	Manhole Cover and Frame.	21d	0%	21d	12-Jan-14	08-Feb-14	03-May-14	26-May-14	86d	$0	$0
SHT0570	Ladders steps	21d	0%	21d	13-Jan-14	09-Feb-14	03-May-14	26-May-14	86d	$0	$0
SHT0573	Holding Jacks	21d	0%	21d	14-Jan-14	10-Feb-14	03-May-14	26-May-14	86d	$0	$0
SHT0590	Epoxy coating	21d	0%	21d	21-Jan-14	16-Feb-14	03-May-14	26-May-14	86d	$0	$0
Valves & fittings including Design calculations of fitting		116d		24d	06-Jan-14	10-Mar-14	04-Dec-13 A	29-May-14	83d	$0	$0
SHT0600	Butterfly. valves 760 mm	21d	100%	0d	06-Jan-14	03-Feb-14	04-Dec-13 A	30-Jan-14 A		$0	$0
SHT0605	Butterfly.valves 500 mm	21d	100%	0d	08-Jan-14	04-Feb-14	04-Dec-13 A	30-Jan-14 A		$0	$0
SHT0610	Butterfly. valves400 mm	21d	100%	0d	11-Jan-14	05-Feb-14	04-Dec-13 A	30-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	14-Apr-14 A		$0	$0
SHT0655	Dismantling Joint	21d	100%	0d	22-Jan-14	17-Feb-14	05-Dec-13 A	27-Mar-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
SHT0650	Mechanical coupling	21d	50%	11d	21-Jan-14	16-Feb-14	29-Jan-14 A	14-May-14	96d	$0	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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Page 9 of 29

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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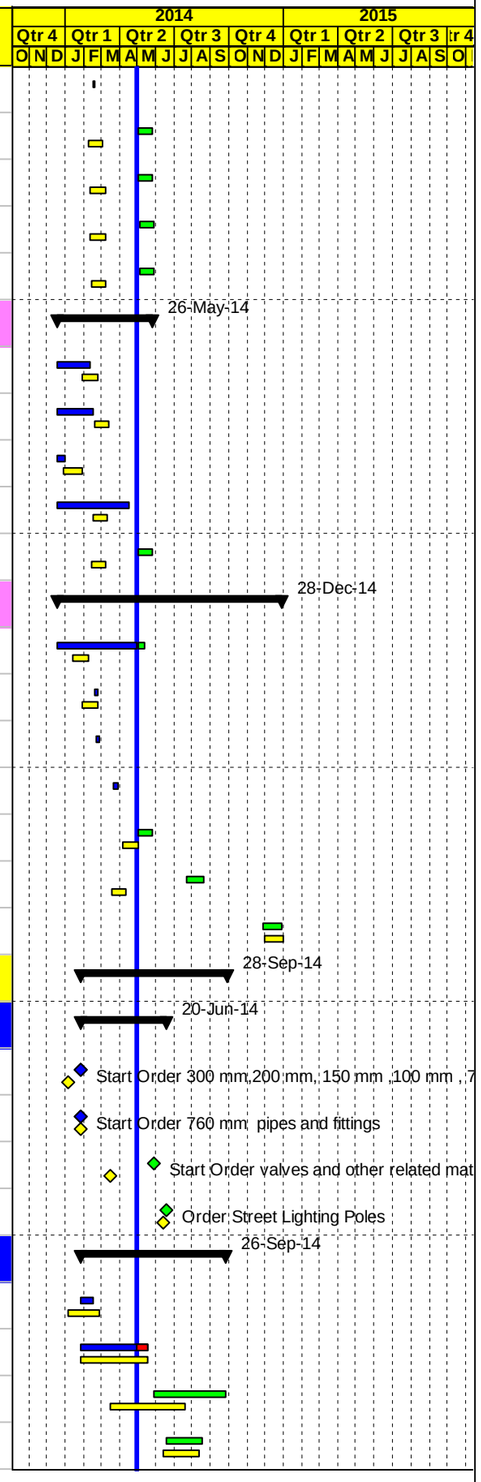
SHT0691-new	Galvanized Malleable Iron Fittings up to 2"- Modgal	5d	100%	0d			18-Feb-14 A	20-Feb-14 A		$0	$0
SHT0675	Electro magnetic flow Water meters	21d	0%	21d	10-Feb-14	05-Mar-14	03-May-14	26-May-14	83d	$0	$0
SHT0680	Surge Tank	21d	0%	21d	11-Feb-14	08-Mar-14	04-May-14	27-May-14	83d	$0	$0
SHT0685	Air Compressor	21d	0%	21d	12-Feb-14	09-Mar-14	05-May-14	28-May-14	83d	$0	$0
SHT0690	Filters	21d	0%	21d	13-Feb-14	10-Mar-14	06-May-14	29-May-14	83d	$0	$0
Control Valves		117d		21d	30-Dec-13	15-Mar-14	19-Dec-13 A	26-May-14	86d	$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	100%	0d	16-Feb-14	12-Mar-14	19-Dec-13 A	17-Apr-14 A		$0	$0
SHT0730	Water meters	21d	0%	21d	13-Feb-14	10-Mar-14	03-May-14	26-May-14	86d	$0	$0
Others		271d		183d	13-Jan-14	30-Dec-14	19-Dec-13 A	28-Dec-14	46d	$0	$0
SHT0785	Strainers.	21d	50%	11d	13-Jan-14	09-Feb-14	19-Dec-13 A	14-May-14	96d	$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-new	Spacers	5d	100%	0d			23-Feb-14 A	27-Feb-14 A		$0	$0
SHT1060-new	Mitered Bends Schedule and fabrication -8" Beit Ummar Local Network	21d	100%	0d			23-Mar-14 A	30-Mar-14 A		$0	$0
SHT0905	Earthing grounding system	21d	0%	21d	07-Apr-14	03-May-14	03-May-14	26-May-14	208d	$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		215d		123d	06-Jan-14	12-Aug-14	27-Jan-14 A	28-Sep-14	138d	$0	$0
Order		132d		17d	06-Jan-14	13-Jun-14	27-Jan-14 A	20-Jun-14	171d	$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-May-14		93d	$0	$0
SHT0950	Order Street Lighting Poles	0d	0%	0d	13-Jun-14		20-Jun-14		171d	$0	$0
Manufacturing		215d		123d	06-Jan-14	11-Aug-14	27-Jan-14 A	26-Sep-14	138d	$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	85%	13d	27-Jan-14	18-May-14	27-Jan-14 A	19-May-14	0d	$0	$0
SHT0980	valves and other related materials	100d	0%	100d	17-Mar-14	21-Jul-14	30-May-14	26-Sep-14	93d	$0	$0
SHT0990	Street Lighting Poles	50d	0%	50d	13-Jun-14	11-Aug-14	20-Jun-14	18-Aug-14	171d	$0	$0



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
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Date	Revision	Checked	Approved
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APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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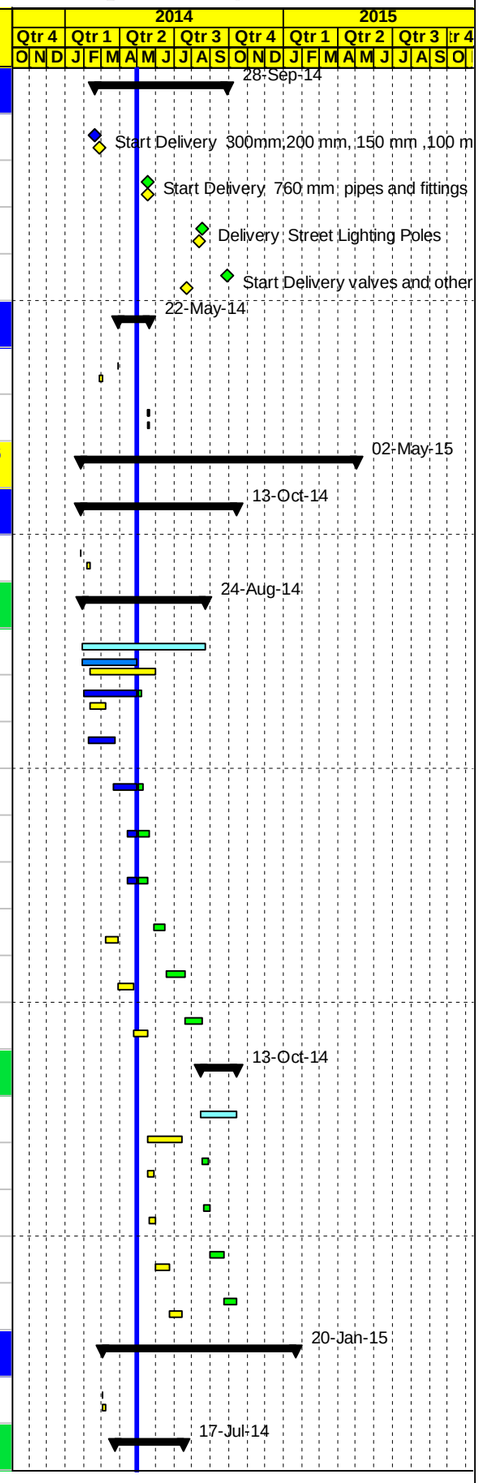
Delivery		169d		110d	28-Feb-14	12-Aug-14	19-Feb-14 A	28-Sep-14	138d	$0	$0
SHT1000	Start Delivery 300mm,200 mm, 150 mm ,100 mm & 75 mm pipes and fittings	0d	100%	0d	28-Feb-14		19-Feb-14 A			$0	$0
SHT1010	Start Delivery 760 mm pipes and fittings	0d	0%	0d	19-May-14		19-May-14		0d	$0	$0
SHT1030	Delivery Street Lighting Poles	0d	0%	0d	12-Aug-14		19-Aug-14		171d	$0	$0
SHT1020	Start Delivery valves and other related materials	0d	0%	0d	22-Jul-14		28-Sep-14		93d	$0	$0
Testing		36d		3d	28-Feb-14	21-May-14	31-Mar-14 A	22-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	22-May-14	0d	$0	$0
Construction		443d		364d	05-Feb-14	14-Apr-15	28-Jan-14 A	02-May-15	-17d	$228,197	$14,868,776
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		188d		124d	05-Feb-14	16-Jul-14	28-Jan-14 A	13-Oct-14	38d	$214,597	$159,538
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		143d		85d	12-Feb-14	01-Jun-14	30-Jan-14 A	24-Aug-14	48d	$214,597	$108,840
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	30%	85d	12-Feb-14	01-Jun-14	30-Jan-14 A	24-Aug-14	48d	$0	$0
SHT1117	Structural excavation for retaining walls	21d	80%	4d	12-Feb-14	10-Mar-14	01-Feb-14 A	07-May-14	48d	$46,000	$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	70%	6d			23-Mar-14 A	10-May-14	54d	$100,859	$0
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	21d	20%	17d			15-Apr-14 A	21-May-14	43d	$0	$0
SHT1389-new	Concrete retaining wall from sta. 7+290 to 7+390 LHS = length (100 LM)	21d	30%	15d			15-Apr-14 A	19-May-14	45d	$4,760	$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-May-14	17-Jun-14	38d	$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	18-Jun-14	20-Jul-14	38d	$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	20-Jul-14	17-Aug-14	38d	$0	$44,701
Road work (Stone boulder & Conc. Walls)) St.7+140 to 6+900 RHS		46d		46d	18-May-14	16-Jul-14	16-Aug-14	13-Oct-14	38d	$0	$50,698
SHT1155	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	46d	0%	46d	18-May-14	16-Jul-14	16-Aug-14	13-Oct-14	38d	$0	$0
SHT1158	Structural excavation for Concrete walls	10d	0%	10d	18-May-14	29-May-14	17-Aug-14	28-Aug-14	38d	$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	19-Aug-14	30-Aug-14	38d	$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	30-Aug-14	23-Sep-14	38d	$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	23-Sep-14	13-Oct-14	38d	$0	$24,421
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		294d		262d	01-Mar-14	22-Nov-14	04-Mar-14 A	20-Jan-15	-6d	$3,200	$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		106d		76d	01-Mar-14	11-May-14	25-Mar-14 A	17-Jul-14	152d	$0	$196,175



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Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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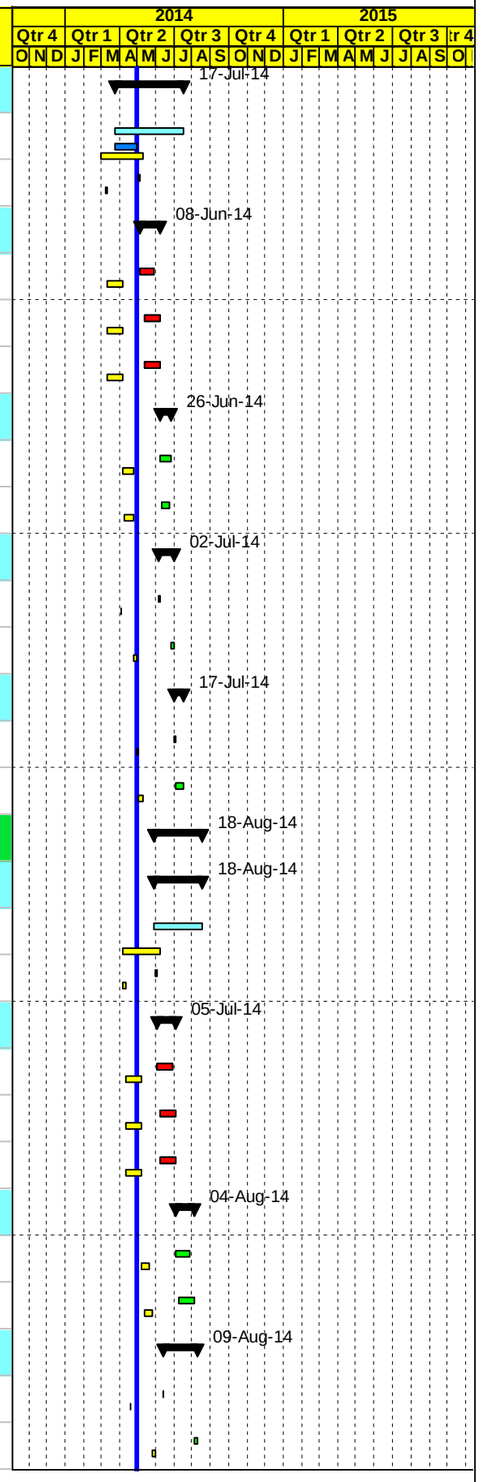
Safety, saw cut asphalt and milling		59d		60d	01-Mar-14	11-May-14	25-Mar-14 A	17-Jul-14	117d	$0	$0
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	59d	0%	60d	01-Mar-14	11-May-14	25-Mar-14 A	17-Jul-14	117d	$0	$0
SHT1180	saw cut asphalt	3d	0%	3d	10-Mar-14	13-Mar-14	03-May-14	05-May-14	-11d	$0	$0
Pipe Installation		30d		30d	12-Mar-14	06-Apr-14	05-May-14	08-Jun-14	-15d	$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	05-May-14	28-May-14	-11d	$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-May-14	08-Jun-14	-15d	$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-May-14	08-Jun-14	-15d	$0	$18,375
Civil Chamber work		16d		16d	06-Apr-14	26-Apr-14	08-Jun-14	26-Jun-14	117d	$0	$25,400
SHT1200	Construct - Gate Valve chamber @ Sta.0+010 ,0+800	16d	0%	16d	06-Apr-14	26-Apr-14	08-Jun-14	26-Jun-14	117d	$0	$18,400
SHT1205	Construct - Wash out chamber @ Sta.0+150	12d	0%	12d	09-Apr-14	24-Apr-14	11-Jun-14	25-Jun-14	118d	$0	$7,000
Testing		26d		26d	05-Apr-14	30-Apr-14	07-Jun-14	02-Jul-14	157d	$0	$0
SHT1207	Radiographic Testing (RT)	1d	0%	1d	05-Apr-14	05-Apr-14	07-Jun-14	07-Jun-14	25d	$0	$0
SHT1210	Pressure Testing	4d	0%	4d	26-Apr-14	30-Apr-14	26-Jun-14	02-Jul-14	117d	$0	$0
Asphalt		8d		8d	30-Apr-14	11-May-14	03-Jul-14	17-Jul-14	117d	$0	$12,100
SHT1212	Milling	1d	0%	1d	30-Apr-14	03-May-14	03-Jul-14	05-Jul-14	117d	$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	05-Jul-14	17-Jul-14	117d	$0	$7,600
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		81d		81d	06-Apr-14	09-Jun-14	29-May-14	18-Aug-14	133d	$0	$184,809
Safety, saw cut asphalt and milling		57d		57d	06-Apr-14	09-Jun-14	29-May-14	18-Aug-14	104d	$0	$0
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	57d	0%	57d	06-Apr-14	09-Jun-14	29-May-14	18-Aug-14	104d	$0	$0
SHT1225	saw cut asphalt	3d	0%	3d	08-Apr-14	12-Apr-14	01-Jun-14	03-Jun-14	-11d	$0	$0
Pipe Installation		25d		25d	12-Apr-14	08-May-14	04-Jun-14	05-Jul-14	-15d	$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	04-Jun-14	29-Jun-14	-11d	$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	08-Jun-14	05-Jul-14	-15d	$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	08-Jun-14	05-Jul-14	-15d	$0	$18,155
Civil Chamber work		15d		15d	08-May-14	26-May-14	05-Jul-14	04-Aug-14	104d	$0	$16,200
SHT1245	Construct - Gate Valve chamber @ 1+850	12d	0%	12d	08-May-14	22-May-14	05-Jul-14	27-Jul-14	104d	$0	$9,200
SHT1250	Construct - Wash out chamber @ 2+3700	12d	0%	12d	12-May-14	26-May-14	10-Jul-14	04-Aug-14	104d	$0	$7,000
Testing		56d		56d	19-Apr-14	31-May-14	14-Jun-14	09-Aug-14	129d	$0	$0
SHT1253	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	19-Apr-14	14-Jun-14	14-Jun-14	0d	$0	$0
SHT1255	Pressure Testing	4d	0%	4d	26-May-14	31-May-14	04-Aug-14	09-Aug-14	104d	$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-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

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April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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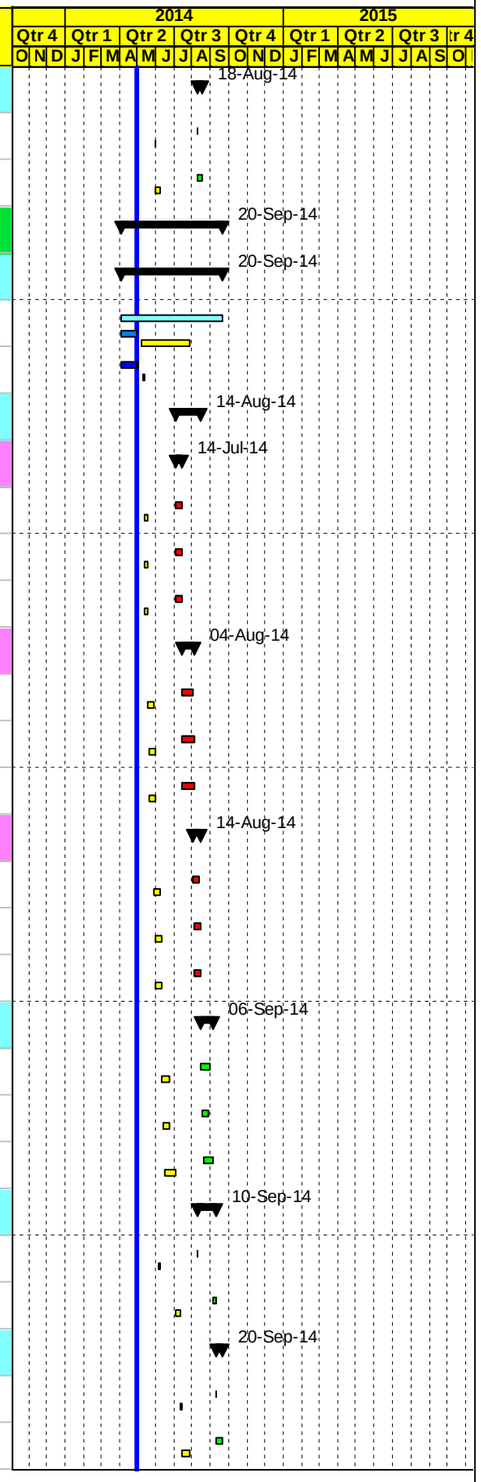
Asphalt		8d		8d	31-May-14	09-Jun-14	09-Aug-14	18-Aug-14	104d	$0	$11,834
SHT1257	Milling	1d	0%	1d	31-May-14	01-Jun-14	09-Aug-14	10-Aug-14	104d	$0	$4,500
SHT1260	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	0%	7d	01-Jun-14	09-Jun-14	10-Aug-14	18-Aug-14	104d	$0	$7,334
Al Arrub-Beit Ummar	**Water Distribution network From Sta. 0+000 to Sta. 1+086**	171d		140d	08-May-14	27-Jul-14	05-Apr-14 A	20-Sep-14	109d	$3,200	$177,186
Safety, saw cut asphalt and milling		112d		108d	08-May-14	27-Jul-14	05-Apr-14 A	20-Sep-14	83d	$3,200	$0
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	112d	3.58%	108d	08-May-14	27-Jul-14	05-Apr-14 A	20-Sep-14	83d	$0	$0
SHT1270	Road excavation and backfilling to the required sub grade levels	3d	70%	1d	10-May-14	13-May-14	06-Apr-14 A	03-May-14	37d	$3,200	$0
Pipe Installation		24d		24d	13-May-14	10-Jun-14	05-Jul-14	14-Aug-14	-15d	$0	$134,068
150 mm Dist. pipelines		5d		5d	13-May-14	19-May-14	05-Jul-14	14-Jul-14	-14d	$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	05-Jul-14	14-Jul-14	-15d	$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	05-Jul-14	14-Jul-14	-14d	$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	05-Jul-14	14-Jul-14	-14d	$0	$2,900
Double 150 & 100 mm Dist. pipelines		10d		10d	19-May-14	31-May-14	14-Jul-14	04-Aug-14	-15d	$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	14-Jul-14	03-Aug-14	-15d	$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-Jul-14	04-Aug-14	-15d	$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-Jul-14	04-Aug-14	-15d	$0	$9,598
100 mm Dist. pipeline		10d		10d	29-May-14	10-Jun-14	03-Aug-14	14-Aug-14	-15d	$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	03-Aug-14	12-Aug-14	-14d	$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	04-Aug-14	14-Aug-14	-15d	$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	04-Aug-14	14-Aug-14	-15d	$0	$5,892
Civil Chamber work		19d		19d	10-Jun-14	05-Jul-14	14-Aug-14	06-Sep-14	83d	$0	$36,300
SHT1295	Construct - Wash out chamber @ Sta.0+105 & 0+480	13d	0%	13d	10-Jun-14	25-Jun-14	14-Aug-14	30-Aug-14	83d	$0	$11,800
SHT1300	Construct - AR/AV Valve chamber @ Sta.0+210	8d	0%	8d	14-Jun-14	23-Jun-14	18-Aug-14	27-Aug-14	83d	$0	$9,500
SHT1305	Construct - Gate Valve chamber @ Sta.0+590 and 0+800	13d	0%	13d	17-Jun-14	05-Jul-14	21-Aug-14	06-Sep-14	83d	$0	$15,000
Testing		32d		32d	07-Jun-14	12-Jul-14	09-Aug-14	10-Sep-14	109d	$0	$0
SHT1307	Radiographic Testing (RT)	1d	0%	1d	07-Jun-14	07-Jun-14	09-Aug-14	09-Aug-14	-3d	$0	$0
SHT1310	Pressure Testing	4d	0%	4d	05-Jul-14	12-Jul-14	06-Sep-14	10-Sep-14	83d	$0	$0
Asphalt		8d		8d	13-Jul-14	27-Jul-14	10-Sep-14	20-Sep-14	83d	$0	$6,818
SHT1314	Milling	1d	0%	1d	13-Jul-14	14-Jul-14	10-Sep-14	11-Sep-14	83d	$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	11-Sep-14	20-Sep-14	83d	$0	$2,318



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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April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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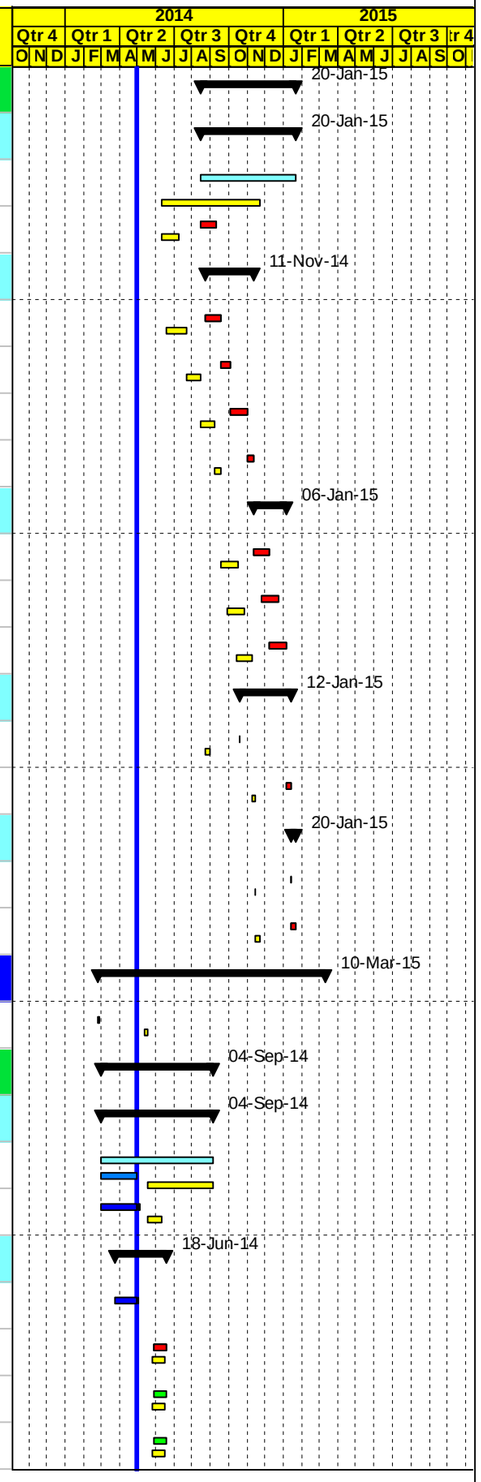
Halhul Water Distribution Network All Segments		159d		159d	10-Jun-14	22-Nov-14	14-Aug-14	20-Jan-15	-6d	$0	$764,417
Safety, saw cut asphalt and milling		123d		123d	10-Jun-14	22-Nov-14	14-Aug-14	20-Jan-15	-4d	$0	$0
SHT1320	Maintain traffic control and safety plan ,coordination with local and all parties	123d	0%	123d	10-Jun-14	22-Nov-14	14-Aug-14	20-Jan-15	-4d	$0	$0
SHT1325	saw cut asphalt	21d	0%	21d	11-Jun-14	10-Jul-14	16-Aug-14	09-Sep-14	-15d	$0	$0
Pipe Installation		65d		65d	18-Jun-14	17-Sep-14	23-Aug-14	11-Nov-14	-15d	$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	23-Aug-14	17-Sep-14	-15d	$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	17-Sep-14	04-Oct-14	-15d	$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	04-Oct-14	01-Nov-14	-15d	$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	01-Nov-14	11-Nov-14	-15d	$0	$41,506
Civil Chamber work		41d		41d	17-Sep-14	09-Nov-14	11-Nov-14	06-Jan-15	-15d	$0	$244,000
SHT1350	Construct Gate Valve	21d	0%	21d	17-Sep-14	16-Oct-14	11-Nov-14	08-Dec-14	-15d	$0	$107,000
SHT1355	Construct Washout Valve	21d	0%	21d	29-Sep-14	28-Oct-14	24-Nov-14	22-Dec-14	-15d	$0	$56,000
SHT1360	Construct Air Valve	21d	0%	21d	15-Oct-14	09-Nov-14	07-Dec-14	06-Jan-15	-15d	$0	$81,000
Testing		86d		86d	23-Aug-14	13-Nov-14	18-Oct-14	12-Jan-15	-6d	$0	$0
SHT1365	Radiographic Testing (RT)	1d	0%	1d	23-Aug-14	30-Aug-14	18-Oct-14	18-Oct-14	0d	$0	$0
SHT1370	Pressure Testing	4d	0%	4d	09-Nov-14	13-Nov-14	06-Jan-15	12-Jan-15	-4d	$0	$0
Asphalt		6d		6d	13-Nov-14	22-Nov-14	12-Jan-15	20-Jan-15	-4d	$0	$27,300
SHT1375	Milling	1d	0%	1d	13-Nov-14	15-Nov-14	12-Jan-15	13-Jan-15	-4d	$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	13-Jan-15	20-Jan-15	-4d	$0	$22,800
Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980		357d		311d	13-May-14	10-Mar-15	26-Feb-14 A	10-Mar-15	10d	$10,400	$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		124d	19-May-14	04-Sep-14	02-Mar-14 A	04-Sep-14	43d	$2,800	$425,057
Safety and Excavation Works		131d		95d	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%	95d	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	80%	4d	19-May-14	11-Jun-14	03-Mar-14 A	06-May-14	22d	$2,800	$6,360
Pipe Installation		75d		40d	27-May-14	17-Jun-14	25-Mar-14 A	18-Jun-14	27d	$0	$312,961
SHT1507-new	Rock breaking (Digging)	10d	90%	1d			25-Mar-14 A	03-May-14	21d	$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	28-May-14	18-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	28-May-14	18-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	28-May-14	18-Jun-14	1d	$0	$19,561



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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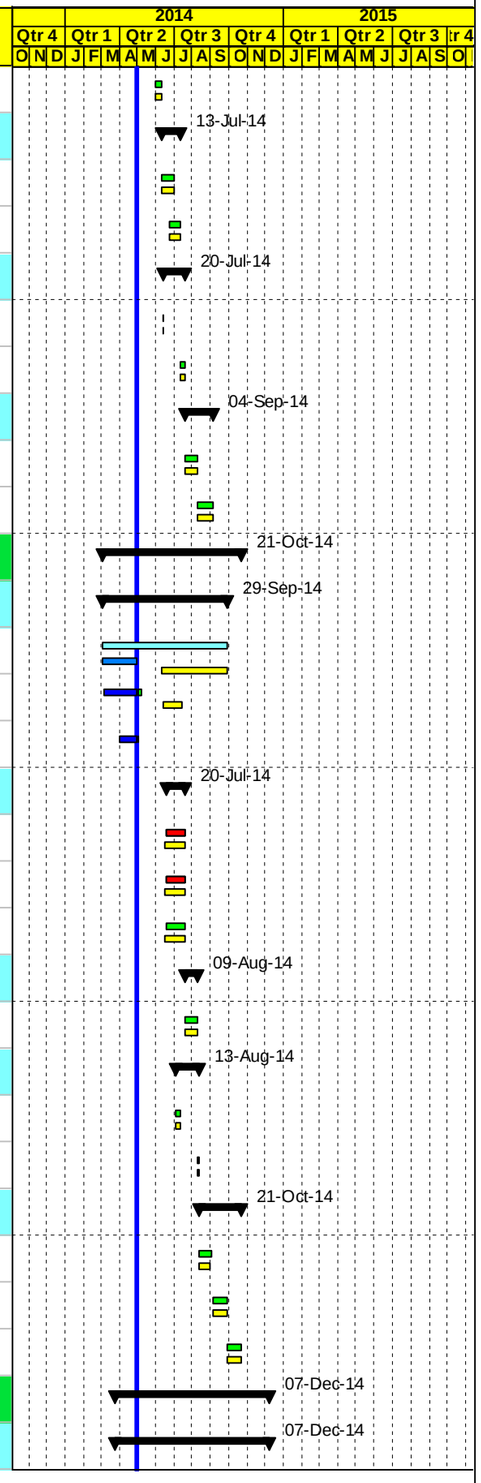
SHT1530	temporary construction by pass 300 mm steel pipe @sta.0+180 and 0+400	8d	0%	8d	01-Jun-14	10-Jun-14	02-Jun-14	11-Jun-14	33d	$0	$0
Civil Chamber work		23d		23d	10-Jun-14	12-Jul-14	11-Jun-14	13-Jul-14	33d	$0	$72,000
SHT1540	Construct Main Connection chamber @ Sta.0+000	17d	0%	17d	10-Jun-14	01-Jul-14	11-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	25-Jun-14	13-Jul-14	33d	$0	$72,000
Testing		37d		37d	14-Jun-14	20-Jul-14	14-Jun-14	20-Jul-14	44d	$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		215d		171d	12-Jun-14	21-Oct-14	05-Mar-14 A	21-Oct-14	40d	$2,800	$449,028
Safety and Excavation Works		151d		116d	12-Jun-14	29-Sep-14	05-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%	116d	12-Jun-14	29-Sep-14	05-Mar-14 A	29-Sep-14	33d	$0	$0
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	80%	4d	14-Jun-14	14-Jul-14	06-Mar-14 A	07-May-14	40d	$2,800	$6,672
SHT1587-new	Rock breaking (Digging)	10d	80%	2d			01-Apr-14 A	04-May-14	38d	$0	$0
Pipe Installation		21d		21d	17-Jun-14	20-Jul-14	18-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	18-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	18-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	18-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		218d	14-Jul-14	07-Dec-14	24-Mar-14 A	07-Dec-14	46d	$4,800	$620,294
Safety , Excavation Works and Pipe Culvert		202d		169d	14-Jul-14	07-Dec-14	24-Mar-14 A	07-Dec-14	33d	$4,800	$17,065



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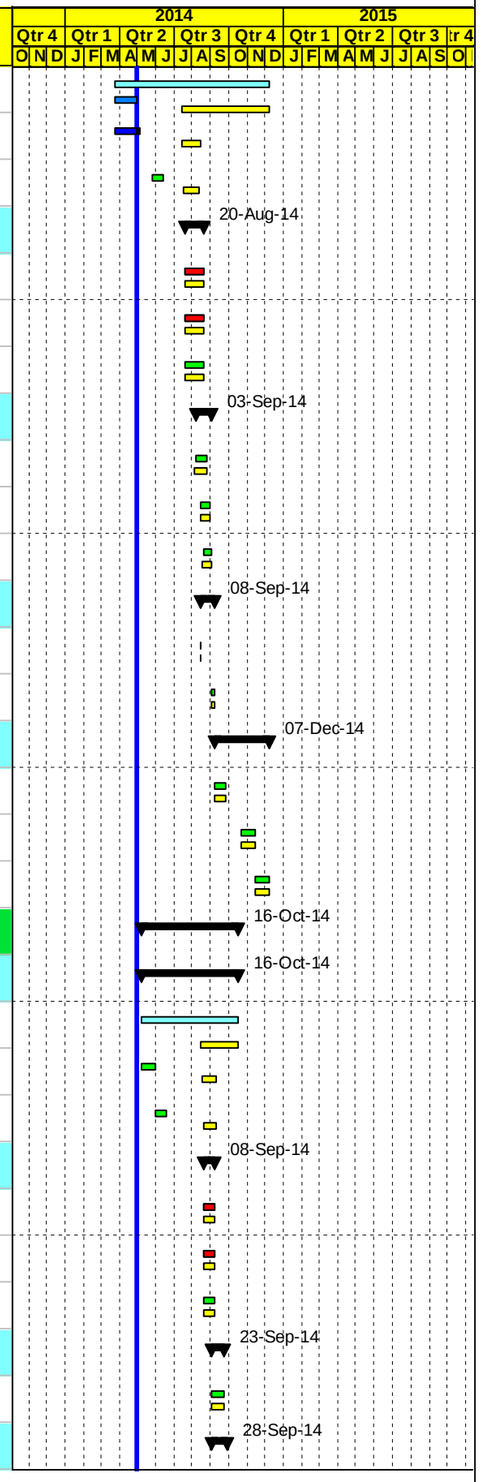
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Actual Total Cost	Budgeted Total Cost
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	10%	169d	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	80%	4d	14-Jul-14	16-Aug-14	25-Mar-14 A	06-May-14	14d	$4,800	$10,600
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-May-14	14-Jun-14	127d	$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		162d		162d	16-Aug-14	16-Oct-14	07-May-14	16-Oct-14	139d	$0	$458,850
Safety , Excavation Works and Pipe Culvert		123d		123d	16-Aug-14	16-Oct-14	07-May-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	123d	0%	123d	16-Aug-14	16-Oct-14	07-May-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	08-May-14	01-Jun-14	14d	$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	01-Jun-14	18-Jun-14	191d	$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



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-May-14			

APCO ArCon CONSTRUCTION AND SERVICES

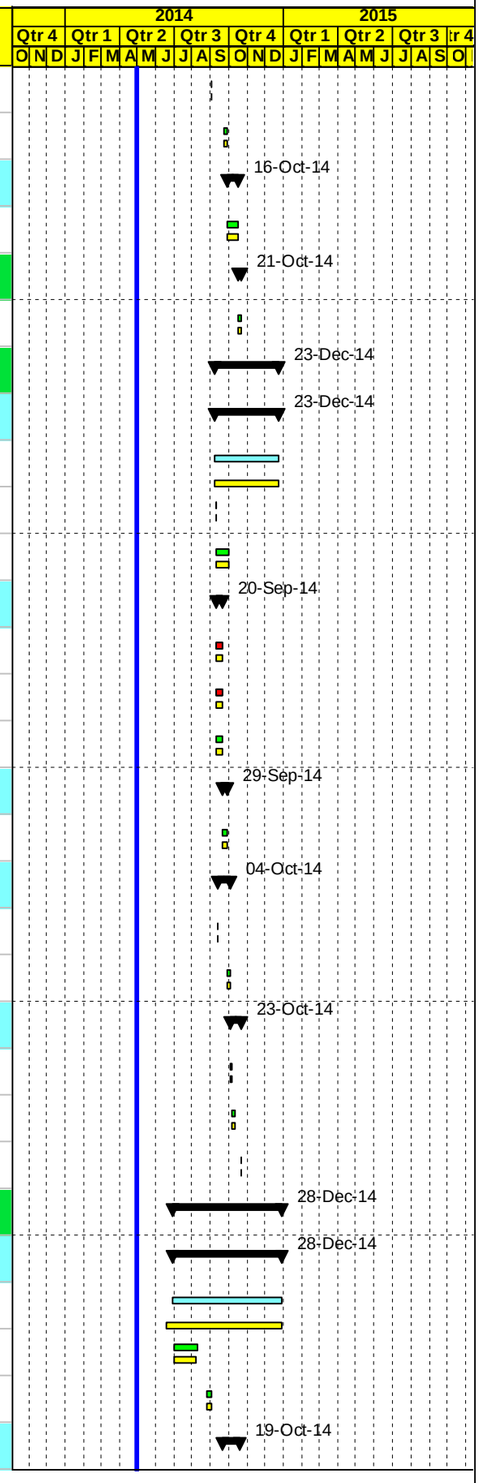
Updated Construction Program

April 30, 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
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+(		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
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		182d		182d	18-Jun-14	28-Dec-14	29-Jun-14	28-Dec-14	77d	$0	$788,593
Safety and Excavation Works, Stone Boulder and Concrete Wall		134d		134d	18-Jun-14	28-Dec-14	29-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	134d	0%	134d	18-Jun-14	28-Dec-14	29-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	03-Jul-14	09-Aug-14	14d	$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	26-Aug-14	03-Sep-14	14d	$0	$12,650
Pipe Installation		21d		21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	51d	$0	$472,871



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-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

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April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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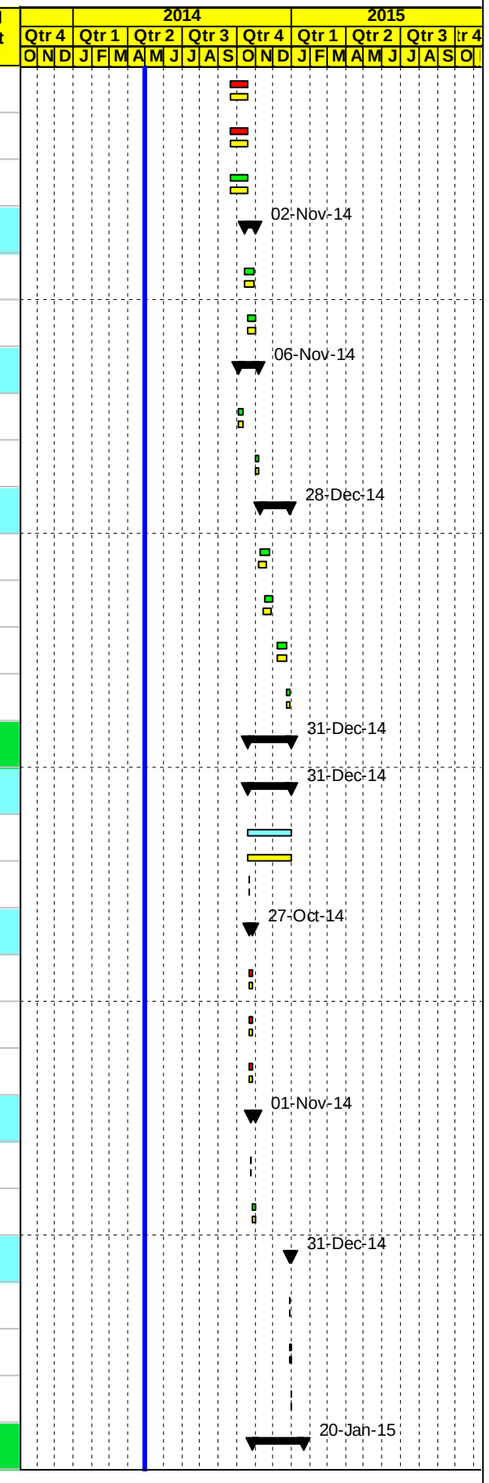
SHT1970	Trench excavation for 760 mm main and 200 mm dist. Pipelines with length approx. (750 LM)	21d	0%	21d	20-Sep-14	19-Oct-14	20-Sep-14	19-Oct-14	0d	$0	$34,822
SHT1980	Bedding layer & install the above main&dist.Steel pipeline including required welding inspection/sectional testing (UT)	21d	0%	21d	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		35d		35d	06-Nov-14	28-Dec-14	10-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	10-Nov-14	24-Nov-14	48d	$0	$28,298
SHT2030	15 cm base course second layer	10d	0%	10d	13-Nov-14	26-Nov-14	17-Nov-14	30-Nov-14	48d	$0	$24,317
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+		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		85d		85d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	59d	$0	$622,491



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
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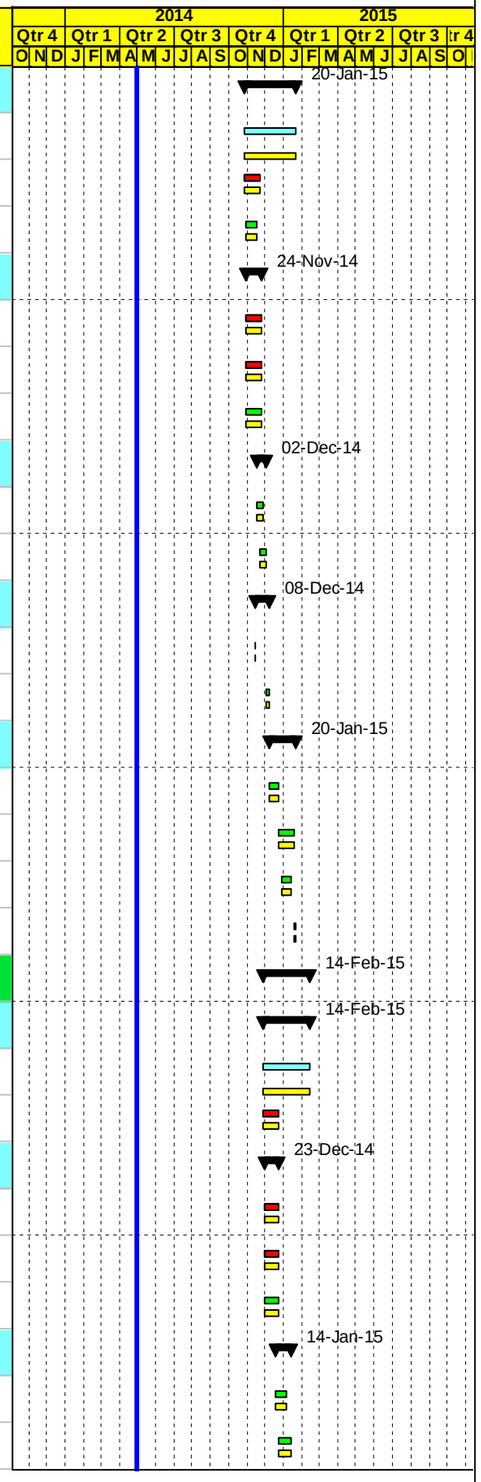
Safety , Excavation Works and Pipe Culvert		64d		64d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	47d	$0	$25,140
SHT2120	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	64d	0%	64d	27-Oct-14	20-Jan-15	27-Oct-14	20-Jan-15	47d	$0	$0
SHT2130	Remove 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
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



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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APCO/ArCon CONSTRUCTION AND SERVICES

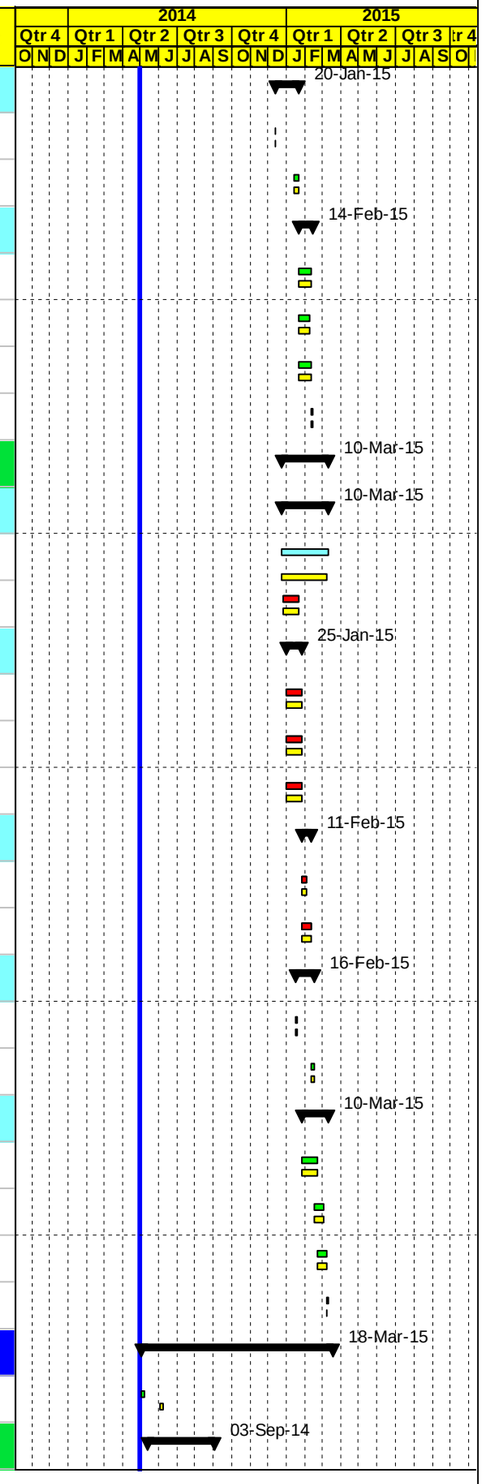
Updated Construction Program

April 30, 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
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
SHT2305	Stone Wall RHS	15d	0%	15d	20-Jan-15	10-Feb-15	20-Jan-15	10-Feb-15	27d	$0	$6,750
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
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		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
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		320d		320d	04-Jun-14	26-Mar-15	03-May-14	18-Mar-15	27d	$0	$6,711,390
SHT2405	Implement traffic control Phase Four	5d	0%	5d	04-Jun-14	09-Jun-14	03-May-14	07-May-14	28d	$0	$0
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		112d		112d	10-Jun-14	01-Sep-14	14-May-14	03-Sep-14	156d	$0	$697,112



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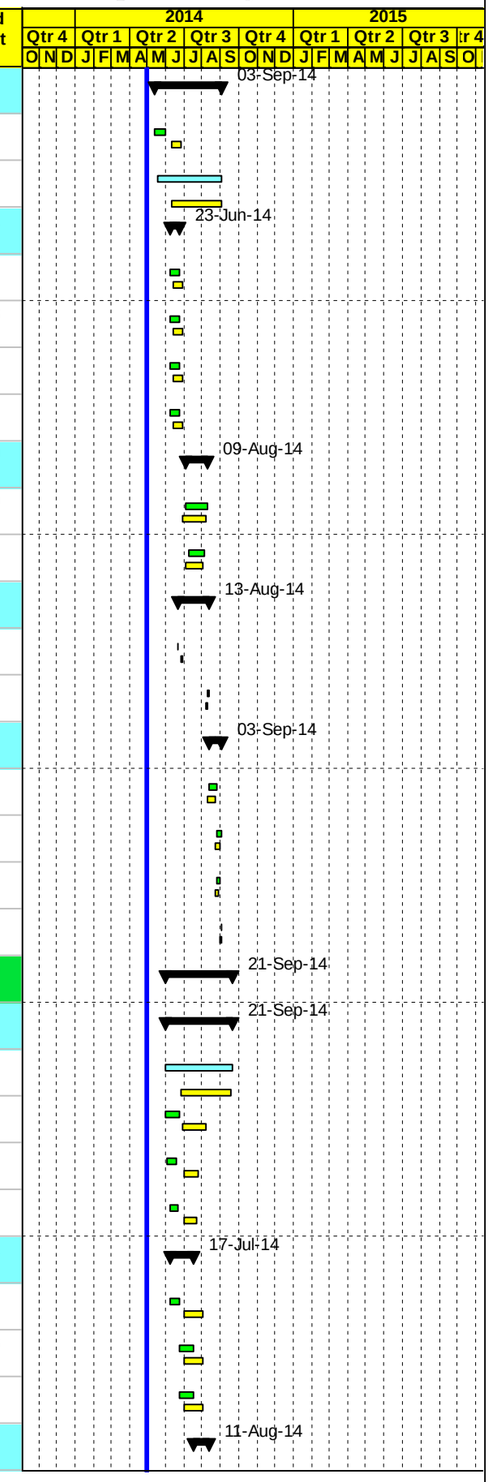
TO16

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
Safety and Excavation Works		84d		84d	10-Jun-14	01-Sep-14	14-May-14	03-Sep-14	118d	$0	$18,016
SHT2420	Road excavation and backfilling to the required subgrade level	14d	0%	14d	11-Jun-14	26-Jun-14	14-May-14	31-May-14	24d	$0	$18,016
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	81d	0%	81d	10-Jun-14	01-Sep-14	19-May-14	03-Sep-14	118d	$0	$0
Pipe Installation		13d		13d	15-Jun-14	30-Jun-14	08-Jun-14	23-Jun-14	7d	$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	08-Jun-14	23-Jun-14	7d	$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	08-Jun-14	23-Jun-14	7d	$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	08-Jun-14	23-Jun-14	7d	$0	$0
SHT2460	Backfill the pipe trench with approved materials to the required level	13d	0%	13d	15-Jun-14	30-Jun-14	08-Jun-14	23-Jun-14	7d	$0	$14,322
Civil Chamber work		20d		20d	30-Jun-14	06-Aug-14	05-Jul-14	09-Aug-14	105d	$0	$353,000
SHT2470	Construct - Halhul reservoir connection chamber @ Sta.11+390	20d	0%	20d	30-Jun-14	06-Aug-14	05-Jul-14	09-Aug-14	105d	$0	$340,000
SHT2480	Construct - 150 AR/AV Valve chamber @ Sta.11+460	13d	0%	13d	05-Jul-14	02-Aug-14	09-Jul-14	04-Aug-14	109d	$0	$13,000
Testing		54d		54d	28-Jun-14	11-Aug-14	21-Jun-14	13-Aug-14	131d	$0	$0
SHT2482	Radiographic Testing (RT)	1d	0%	1d	28-Jun-14	28-Jun-14	21-Jun-14	21-Jun-14	1d	$0	$0
SHT2485	Pressure Testing	4d	0%	4d	06-Aug-14	11-Aug-14	09-Aug-14	13-Aug-14	105d	$0	$0
Base course , Stone Wall and Asphalt		18d		18d	11-Aug-14	01-Sep-14	13-Aug-14	03-Sep-14	118d	$0	$96,875
SHT2490	Final Finish Sub grade & 20 cm base course layer	11d	0%	11d	11-Aug-14	24-Aug-14	13-Aug-14	26-Aug-14	105d	$0	$20,140
SHT2497	Stone Wall RHS	5d	0%	5d	24-Aug-14	30-Aug-14	26-Aug-14	01-Sep-14	105d	$0	$5,400
SHT2495	Asphalt Reinstatements over pipe trench	4d	0%	4d	24-Aug-14	28-Aug-14	26-Aug-14	31-Aug-14	119d	$0	$38,912
SHT2500	5 cm asphalt wearing course including prime coat	2d	0%	2d	30-Aug-14	01-Sep-14	01-Sep-14	03-Sep-14	118d	$0	$32,423
Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460		113d		113d	28-Jun-14	18-Sep-14	31-May-14	21-Sep-14	140d	$0	$442,595
Safety , Excavation Works ,Pipe Culvert and concrete wall		85d		85d	28-Jun-14	18-Sep-14	31-May-14	21-Sep-14	105d	$0	$26,968
SHT2510	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	85d	0%	85d	28-Jun-14	18-Sep-14	31-May-14	21-Sep-14	105d	$0	$0
SHT2520	Road excavation and backfilling to the required subgrade level	21d	0%	21d	29-Jun-14	06-Aug-14	01-Jun-14	25-Jun-14	24d	$0	$8,336
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	03-Jun-14	18-Jun-14	160d	$0	$12,415
SHT2540	concrete retaining wall from sta. 10+650 to 10+680 RHS	11d	0%	11d	03-Jul-14	23-Jul-14	08-Jun-14	21-Jun-14	151d	$0	$6,217
Pipe Installation		28d		28d	01-Jul-14	02-Aug-14	08-Jun-14	17-Jul-14	7d	$0	$268,861
SHT2530	Trench excavation for 760 mm main Pipeline with length approx. (540 LM)	15d	0%	15d	01-Jul-14	02-Aug-14	08-Jun-14	25-Jun-14	20d	$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	23-Jun-14	17-Jul-14	7d	$0	$236,883
SHT2560	Backfill the pipe trench with approved materials to the required level	15d	0%	15d	01-Jul-14	02-Aug-14	23-Jun-14	17-Jul-14	7d	$0	$16,802
Civil Chamber work		15d		15d	02-Aug-14	19-Aug-14	17-Jul-14	11-Aug-14	115d	$0	$74,000



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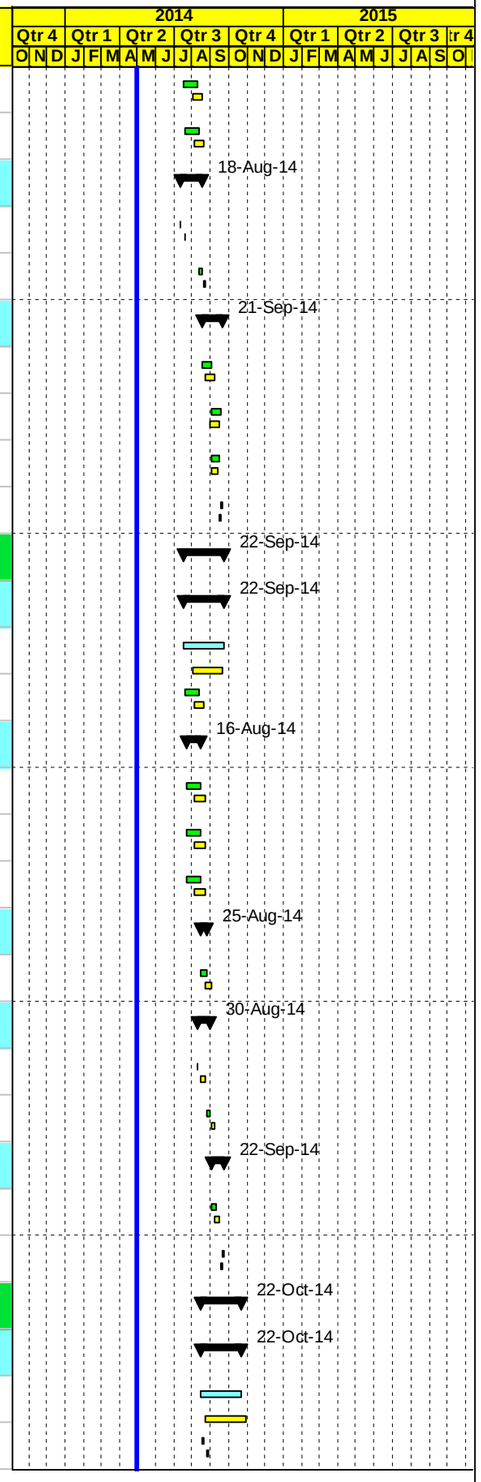
SHT2570	Construct - 150 AR/AV Valve chamber @ Sta.10+900	13d	0%	13d	02-Aug-14	17-Aug-14	17-Jul-14	09-Aug-14	115d	$0	$13,000
SHT2580	Construct - 250 Wash out Valve chamber @ Sta.10+600	13d	0%	13d	04-Aug-14	19-Aug-14	21-Jul-14	11-Aug-14	115d	$0	$61,000
Testing		38d		38d	19-Jul-14	24-Aug-14	12-Jul-14	18-Aug-14	145d	$0	$0
SHT2583	Radiographic Testing (RT)	1d	0%	1d	19-Jul-14	19-Jul-14	12-Jul-14	12-Jul-14	2d	$0	$0
SHT2585	Pressure Testing	4d	0%	4d	19-Aug-14	24-Aug-14	13-Aug-14	18-Aug-14	113d	$0	$0
Base course , Stone Wall and Asphalt		29d		29d	24-Aug-14	18-Sep-14	18-Aug-14	21-Sep-14	105d	$0	$72,766
SHT2600	Final Finish Sub grade & 20 cm base course layer	12d	0%	12d	24-Aug-14	07-Sep-14	18-Aug-14	01-Sep-14	113d	$0	$23,773
SHT2601	Stone Wall RHS	15d	0%	15d	30-Aug-14	16-Sep-14	01-Sep-14	18-Sep-14	105d	$0	$6,750
SHT2604	Stone Wall LHS	10d	0%	10d	01-Sep-14	13-Sep-14	03-Sep-14	15-Sep-14	108d	$0	$4,725
SHT2610	5 cm asphalt wearing course including prime coat	2d	0%	2d	16-Sep-14	18-Sep-14	18-Sep-14	21-Sep-14	105d	$0	$37,518
Main pipelines & (Reconstruction 4m Exist. aspalt Road at residential area) St.10+460 tc		68d		68d	02-Aug-14	20-Sep-14	17-Jul-14	22-Sep-14	140d	$0	$373,721
Safety and Excavation Works		51d		51d	02-Aug-14	20-Sep-14	17-Jul-14	22-Sep-14	105d	$0	$6,040
SHT2620	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	51d	0%	51d	02-Aug-14	20-Sep-14	17-Jul-14	22-Sep-14	105d	$0	$0
SHT2630	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	14d	0%	14d	04-Aug-14	20-Aug-14	21-Jul-14	12-Aug-14	7d	$0	$6,040
Pipe Installation		16d		16d	05-Aug-14	24-Aug-14	23-Jul-14	16-Aug-14	7d	$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	23-Jul-14	16-Aug-14	7d	$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	23-Jul-14	16-Aug-14	7d	$0	$254,343
SHT2660	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	05-Aug-14	24-Aug-14	23-Jul-14	16-Aug-14	7d	$0	$18,042
Chamber work		8d		8d	24-Aug-14	02-Sep-14	16-Aug-14	25-Aug-14	115d	$0	$13,000
SHT2670	Construct - 150 AR/AV Valve chamber @ Sta.10+180	8d	0%	8d	24-Aug-14	02-Sep-14	16-Aug-14	25-Aug-14	115d	$0	$13,000
Testing		22d		22d	16-Aug-14	07-Sep-14	09-Aug-14	30-Aug-14	149d	$0	$0
SHT2673	Radiographic Testing (RT)	1d	0%	1d	16-Aug-14	23-Aug-14	09-Aug-14	09-Aug-14	2d	$0	$0
SHT2675	Pressure Testing	4d	0%	4d	02-Sep-14	07-Sep-14	25-Aug-14	30-Aug-14	115d	$0	$0
Base course and Asphalt		18d		18d	07-Sep-14	20-Sep-14	01-Sep-14	22-Sep-14	105d	$0	$66,000
SHT2680	Final Finish Sub grade & 20 cm base course layer	7d	0%	7d	07-Sep-14	15-Sep-14	01-Sep-14	09-Sep-14	113d	$0	$25,093
SHT2690	5 cm asphalt wearing couse including prime coat	1d	0%	1d	18-Sep-14	20-Sep-14	21-Sep-14	22-Sep-14	105d	$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	16-Aug-14	22-Oct-14	112d	$0	$744,087
Safety and Milling		54d		54d	24-Aug-14	30-Oct-14	16-Aug-14	22-Oct-14	85d	$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	16-Aug-14	22-Oct-14	85d	$0	$0
SHT2710	saw cut asphalt	2d	0%	2d	26-Aug-14	28-Aug-14	18-Aug-14	20-Aug-14	7d	$0	$0



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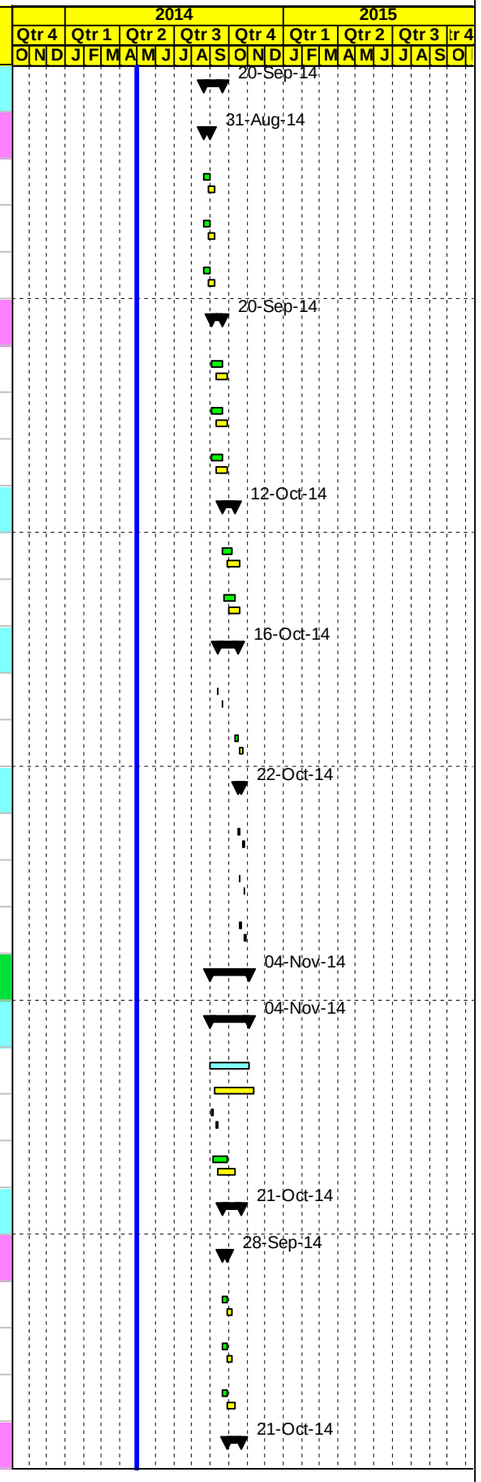
Pipe Installation		27d		27d	27-Aug-14	28-Sep-14	19-Aug-14	20-Sep-14	21d	$0	$506,498
760 mm main pipeline & dist.pipe150 mm		10d		10d	27-Aug-14	08-Sep-14	19-Aug-14	31-Aug-14	20d	$0	$140,593
SHT2720	Trench excavation for 760 mm main pipeline & dist.pipe150 mm from 9+880 to 9+650 (230 LM)	10d	0%	10d	27-Aug-14	08-Sep-14	19-Aug-14	31-Aug-14	7d	$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	19-Aug-14	31-Aug-14	20d	$0	$119,750
SHT2740	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	27-Aug-14	08-Sep-14	19-Aug-14	31-Aug-14	20d	$0	$10,465
760 mm main pipeline & 200mm dist.pipeline		16d		16d	09-Sep-14	28-Sep-14	01-Sep-14	20-Sep-14	21d	$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	01-Sep-14	20-Sep-14	7d	$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	01-Sep-14	20-Sep-14	21d	$0	$311,991
SHT2755	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	09-Sep-14	28-Sep-14	01-Sep-14	20-Sep-14	21d	$0	$26,996
Civil Chamber work		15d		15d	28-Sep-14	20-Oct-14	20-Sep-14	12-Oct-14	85d	$0	$58,000
SHT2760	Construct - AR/AV Valve chamber @ Sta.9+700 and 9+440	13d	0%	13d	28-Sep-14	18-Oct-14	20-Sep-14	05-Oct-14	85d	$0	$38,500
SHT2770	Construct - Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	13d	0%	13d	30-Sep-14	20-Oct-14	22-Sep-14	12-Oct-14	85d	$0	$19,500
Testing		34d		34d	20-Sep-14	25-Oct-14	13-Sep-14	16-Oct-14	113d	$0	$0
SHT2772	Radiographic Testing (RT)	1d	0%	1d	20-Sep-14	20-Sep-14	13-Sep-14	13-Sep-14	5d	$0	$0
SHT2775	Pressure Testing	4d	0%	4d	20-Oct-14	25-Oct-14	12-Oct-14	16-Oct-14	85d	$0	$0
Basecourse and Asphalt		5d		5d	25-Oct-14	30-Oct-14	16-Oct-14	22-Oct-14	85d	$0	$179,589
SHT2777	Milling	1d	0%	1d	25-Oct-14	26-Oct-14	16-Oct-14	18-Oct-14	85d	$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	18-Oct-14	20-Oct-14	85d	$0	$4,408
SHT2790	5 cm asphalt wearing course including tack coat	2d	0%	2d	28-Oct-14	30-Oct-14	20-Oct-14	22-Oct-14	85d	$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	31-Aug-14	04-Nov-14	103d	$0	$1,080,273
Safety , Milling and Storm system		52d		52d	08-Sep-14	12-Nov-14	31-Aug-14	04-Nov-14	77d	$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	31-Aug-14	04-Nov-14	77d	$0	$0
SHT2810	Saw cut asphalt	2d	0%	2d	10-Sep-14	13-Sep-14	02-Sep-14	04-Sep-14	20d	$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	04-Sep-14	29-Sep-14	101d	$0	$297,240
Pipe Installation		23d		23d	28-Sep-14	29-Oct-14	20-Sep-14	21-Oct-14	61d	$0	$493,116
760 mm main pipeline and 300mm dist.pipeline		7d		7d	28-Sep-14	11-Oct-14	20-Sep-14	28-Sep-14	77d	$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	20-Sep-14	27-Sep-14	7d	$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	20-Sep-14	27-Sep-14	21d	$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	21-Sep-14	28-Sep-14	77d	$0	$9,390
760 mm main pipeline and 150mm dist.pipeline		17d		17d	05-Oct-14	29-Oct-14	27-Sep-14	21-Oct-14	11d	$0	$364,693



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

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APCO ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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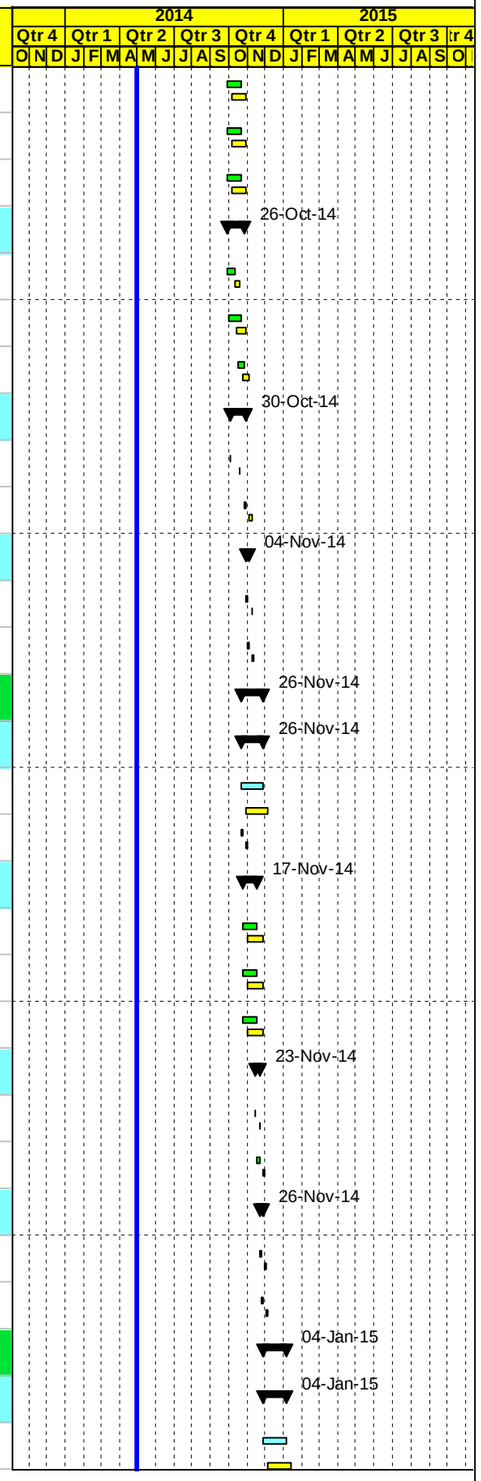
SHT2860	Trench excavation for 760 mm main pipeline and 150mm dist.pipeline 8+880 to 8+240 (640 LM)	17d	0%	17d	05-Oct-14	29-Oct-14	27-Sep-14	21-Oct-14	7d	$0	$28,856
SHT2862	Bedding layer & install the all main Steel pipeline including required welding inspection / sectional testing (UT)	17d	0%	17d	05-Oct-14	29-Oct-14	27-Sep-14	21-Oct-14	10d	$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	27-Sep-14	21-Oct-14	11d	$0	$25,124
Civil Chamber work		20d		20d	11-Oct-14	03-Nov-14	28-Sep-14	26-Oct-14	77d	$0	$137,000
SHT2865	Construct - Butterfly.chamber @ Sta.8+880	8d	0%	8d	11-Oct-14	20-Oct-14	28-Sep-14	12-Oct-14	77d	$0	$40,000
SHT2870	Construct - Halhul connection chamber@ Sta. 8+880 RHS	13d	0%	13d	15-Oct-14	30-Oct-14	02-Oct-14	22-Oct-14	77d	$0	$84,000
SHT2880	Construct - 150 AR/AV Valve chamber @ Sta. 8+400	8d	0%	8d	25-Oct-14	03-Nov-14	16-Oct-14	26-Oct-14	77d	$0	$13,000
Testing		27d		27d	18-Oct-14	08-Nov-14	04-Oct-14	30-Oct-14	103d	$0	$0
SHT2883	Radiographic Testing (RT)	1d	0%	1d	18-Oct-14	18-Oct-14	04-Oct-14	04-Oct-14	4d	$0	$0
SHT2885	Pressure Testing	4d	0%	4d	03-Nov-14	08-Nov-14	26-Oct-14	30-Oct-14	77d	$0	$0
Asphalt		4d		4d	08-Nov-14	12-Nov-14	30-Oct-14	04-Nov-14	77d	$0	$152,918
SHT2888	Milling	1d	0%	1d	08-Nov-14	09-Nov-14	30-Oct-14	01-Nov-14	77d	$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	01-Nov-14	04-Nov-14	77d	$0	$136,418
Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+24		36d		36d	29-Oct-14	06-Dec-14	21-Oct-14	26-Nov-14	52d	$0	$596,777
Safety and Milling		30d		30d	29-Oct-14	06-Dec-14	21-Oct-14	26-Nov-14	37d	$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	21-Oct-14	26-Nov-14	37d	$0	$0
SHT2920	Saw cut asphalt	2d	0%	2d	30-Oct-14	02-Nov-14	22-Oct-14	25-Oct-14	7d	$0	$0
Pipe Installation		20d		20d	02-Nov-14	26-Nov-14	25-Oct-14	17-Nov-14	8d	$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	25-Oct-14	17-Nov-14	7d	$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	25-Oct-14	17-Nov-14	7d	$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	25-Oct-14	17-Nov-14	8d	$0	$31,848
Testing		9d		9d	22-Nov-14	01-Dec-14	15-Nov-14	23-Nov-14	50d	$0	$0
SHT2952	Radiographic Testing (RT)	1d	0%	1d	22-Nov-14	22-Nov-14	15-Nov-14	15-Nov-14	1d	$0	$0
SHT2955	Pressure Testing	4d	0%	4d	26-Nov-14	01-Dec-14	17-Nov-14	23-Nov-14	37d	$0	$0
Asphalt		3d		3d	01-Dec-14	06-Dec-14	23-Nov-14	26-Nov-14	37d	$0	$160,708
SHT2957	Milling	1d	0%	1d	01-Dec-14	02-Dec-14	23-Nov-14	24-Nov-14	37d	$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	24-Nov-14	26-Nov-14	37d	$0	$144,208
Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+07		27d		27d	06-Dec-14	13-Jan-15	26-Nov-14	04-Jan-15	37d	$0	$540,491
Road Works		27d		27d	06-Dec-14	13-Jan-15	26-Nov-14	04-Jan-15	37d	$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	26-Nov-14	04-Jan-15	37d	$0	$0



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April 30, 2014

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Deir Sha'aar Main Pipeline Project

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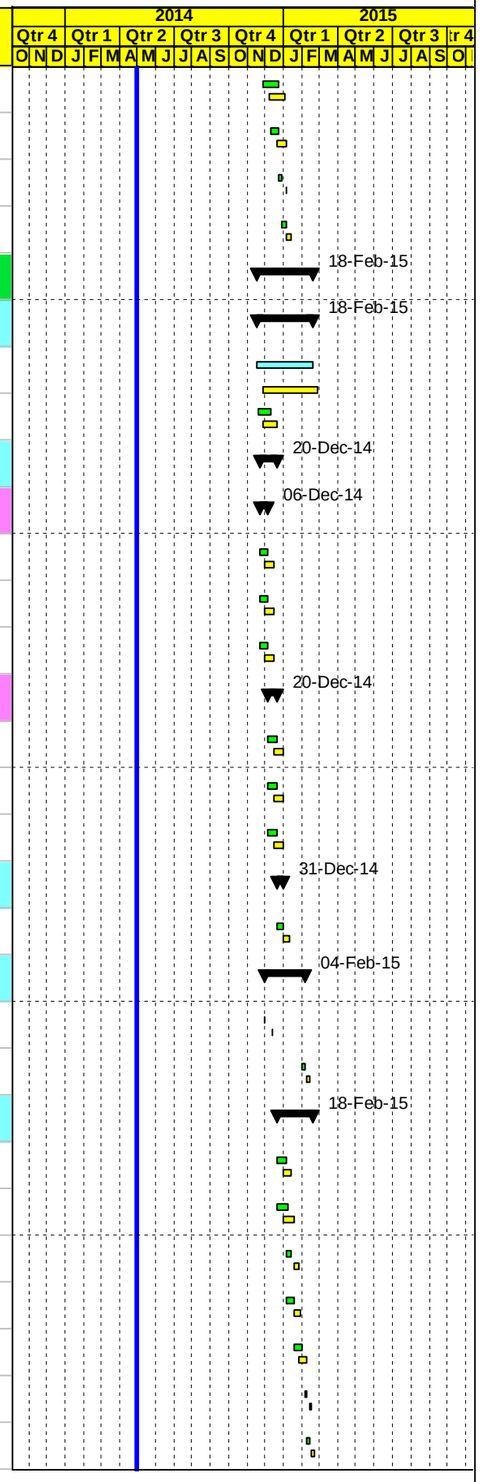
SHT2980	Construct 400 mm crossing precast concrete pipe for storm system with catch basin from sta. 9+060 to 8+240 LHS	18d	0%	18d	07-Dec-14	03-Jan-15	27-Nov-14	22-Dec-14	37d	$0	$45,560
SHT2983	Storm Drain pipe cleaning - remove all debris and sedimet/800mmØ~1000mmØ	10d	0%	10d	20-Dec-14	04-Jan-15	09-Dec-14	23-Dec-14	37d	$0	$6,500
SHT2990	Asphalt Reinstatement over storm pipe trench	2d	0%	2d	04-Jan-15	06-Jan-15	23-Dec-14	28-Dec-14	37d	$0	$6,954
SHT3000	5 cm asphalt wearing course including tack coat	5d	0%	5d	06-Jan-15	13-Jan-15	28-Dec-14	04-Jan-15	37d	$0	$481,477
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515		**93d**		**93d**	**26-Nov-14**	**26-Feb-15**	**17-Nov-14**	**18-Feb-15**	**17d**	**$0**	**$977,958**
Safety and Excavation Works		**68d**		**68d**	**26-Nov-14**	**26-Feb-15**	**17-Nov-14**	**18-Feb-15**	**14d**	**$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	17-Nov-14	18-Feb-15	14d	$0	$0
SHT3020	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	17d	0%	17d	27-Nov-14	21-Dec-14	18-Nov-14	10-Dec-14	7d	$0	$47,680
Pipe Installation		**21d**		**21d**	**30-Nov-14**	**30-Dec-14**	**22-Nov-14**	**20-Dec-14**	**7d**	**$0**	**$439,686**
760 mm main pipeline and 150 mm dist.pipeline		**11d**		**11d**	**30-Nov-14**	**15-Dec-14**	**22-Nov-14**	**06-Dec-14**	**7d**	**$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	22-Nov-14	06-Dec-14	7d	$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	22-Nov-14	06-Dec-14	7d	$0	$216,955
SHT3070	Backfill the pipe trench with approved materials to the required level	11d	0%	11d	30-Nov-14	15-Dec-14	22-Nov-14	06-Dec-14	7d	$0	$21,611
760 mm main pipeline and 100 mm dist.pipeline		**10d**		**10d**	**15-Dec-14**	**30-Dec-14**	**06-Dec-14**	**20-Dec-14**	**7d**	**$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	06-Dec-14	20-Dec-14	7d	$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	06-Dec-14	20-Dec-14	7d	$0	$157,280
SHT3076	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	15-Dec-14	30-Dec-14	06-Dec-14	20-Dec-14	7d	$0	$13,849
Civil Chamber work		**8d**		**8d**	**30-Dec-14**	**11-Jan-15**	**20-Dec-14**	**31-Dec-14**	**35d**	**$0**	**$61,000**
SHT3100	Construct - 250 Wash out Valve chamber @ Sta.7+220	8d	0%	8d	30-Dec-14	11-Jan-15	20-Dec-14	31-Dec-14	35d	$0	$61,000
Testing		**68d**		**68d**	**13-Dec-14**	**14-Feb-15**	**29-Nov-14**	**04-Feb-15**	**17d**	**$0**	**$0**
SHT3102	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	13-Dec-14	29-Nov-14	29-Nov-14	4d	$0	$0
SHT3105	Pressure Testing	4d	0%	4d	09-Feb-15	14-Feb-15	31-Jan-15	04-Feb-15	14d	$0	$0
Topping, PVC, Base course , Stone Wall , Asphalt and Side Walk		**44d**		**44d**	**30-Dec-14**	**26-Feb-15**	**20-Dec-14**	**18-Feb-15**	**14d**	**$0**	**$429,592**
SHT3110	Final Finish Sub grade & 20 cm thick for toping layer	11d	0%	11d	30-Dec-14	14-Jan-15	20-Dec-14	05-Jan-15	7d	$0	$10,288
SHT3120	Reinf.concrete foundation and PVC conduit cable for street lighting	12d	0%	12d	31-Dec-14	18-Jan-15	21-Dec-14	08-Jan-15	7d	$0	$0
SHT3132	Stone Wall RHS	6d	0%	6d	17-Jan-15	25-Jan-15	06-Jan-15	14-Jan-15	29d	$0	$2,025
SHT3130	20 cm thick for first base course layer	9d	0%	9d	17-Jan-15	28-Jan-15	06-Jan-15	19-Jan-15	7d	$0	$44,899
SHT3140	20 cm thick for second base course layer	9d	0%	9d	27-Jan-15	09-Feb-15	18-Jan-15	31-Jan-15	7d	$0	$44,899
SHT3150	5cm asphalt binder course including prime coat	2d	0%	2d	14-Feb-15	16-Feb-15	04-Feb-15	08-Feb-15	14d	$0	$194,348
SHT3160	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	16-Feb-15	22-Feb-15	08-Feb-15	14-Feb-15	14d	$0	$35,735



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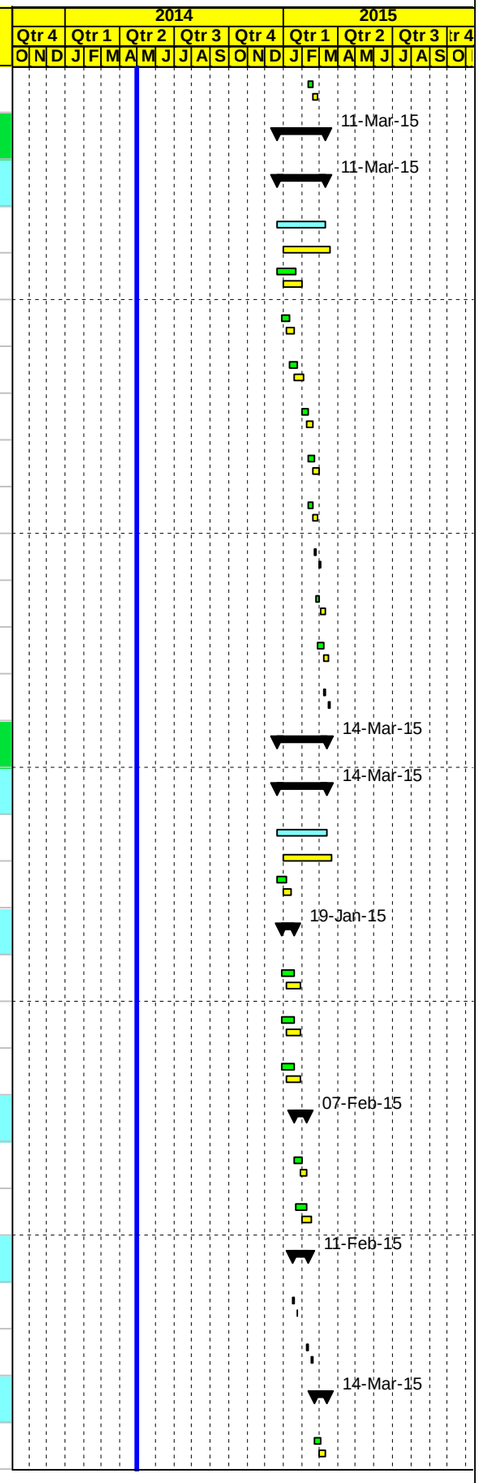
SHT3170	Reinforced concrete side walks, ramps including 15 cm base course under side walk	7d	0%	7d	18-Feb-15	26-Feb-15	10-Feb-15	18-Feb-15	14d	$0	$97,399
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515		61d		61d	30-Dec-14	19-Mar-15	20-Dec-14	11-Mar-15	7d	$0	$696,164
Road Works		61d		61d	30-Dec-14	19-Mar-15	20-Dec-14	11-Mar-15	7d	$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	20-Dec-14	11-Mar-15	7d	$0	$0
SHT3190	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	21d	0%	21d	31-Dec-14	31-Jan-15	21-Dec-14	20-Jan-15	17d	$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	27-Dec-14	10-Jan-15	17d	$0	$9,600
SHT3230	Final Finish Sub grade & 20 cm thick for toping layer	10d	0%	10d	19-Jan-15	02-Feb-15	10-Jan-15	24-Jan-15	17d	$0	$10,288
SHT3240	20 cm thick for first base course layer	9d	0%	9d	09-Feb-15	19-Feb-15	31-Jan-15	11-Feb-15	7d	$0	$44,899
SHT3250	20 cm thick for second base course layer	9d	0%	9d	18-Feb-15	01-Mar-15	10-Feb-15	21-Feb-15	7d	$0	$44,899
SHT3252	Stone Wall LHS	6d	0%	6d	19-Feb-15	26-Feb-15	11-Feb-15	18-Feb-15	21d	$0	$2,025
SHT3260	5cm asphalt binder course including prime coat	2d	0%	2d	01-Mar-15	03-Mar-15	21-Feb-15	23-Feb-15	7d	$0	$194,348
SHT3270	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	03-Mar-15	10-Mar-15	23-Feb-15	01-Mar-15	7d	$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	26-Feb-15	08-Mar-15	7d	$0	$97,399
SHT3290	5 cm asphalt wearing course including tack coat LHS &RHS	3d	0%	3d	16-Mar-15	19-Mar-15	08-Mar-15	11-Mar-15	7d	$0	$208,642
Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+8		84d		84d	30-Dec-14	22-Mar-15	20-Dec-14	14-Mar-15	7d	$0	$424,786
Safety and Excavation Works		63d		63d	30-Dec-14	22-Mar-15	20-Dec-14	14-Mar-15	7d	$0	$10,600
SHT3300	Maintain traffic control and safety plan to include local access to residence ,all coordination	63d	0%	63d	30-Dec-14	22-Mar-15	20-Dec-14	14-Mar-15	7d	$0	$0
SHT3310	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	9d	0%	9d	31-Dec-14	13-Jan-15	21-Dec-14	04-Jan-15	7d	$0	$10,600
Pipe Installation		17d		17d	05-Jan-15	28-Jan-15	27-Dec-14	19-Jan-15	7d	$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	27-Dec-14	19-Jan-15	7d	$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	27-Dec-14	19-Jan-15	7d	$0	$271,803
SHT3340	Backfill the pipe trench with approved materials to the required level	17d	0%	17d	05-Jan-15	28-Jan-15	27-Dec-14	19-Jan-15	7d	$0	$19,282
Civil Chamber work		13d		13d	28-Jan-15	15-Feb-15	19-Jan-15	07-Feb-15	21d	$0	$36,000
SHT3350	Construct - 150 AR/AV Valve chamber @ Sta.6+600	8d	0%	8d	28-Jan-15	09-Feb-15	19-Jan-15	31-Jan-15	21d	$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	21-Jan-15	07-Feb-15	21d	$0	$23,000
Testing		26d		26d	24-Jan-15	19-Feb-15	17-Jan-15	11-Feb-15	25d	$0	$0
SHT3362	Radiographic Testing (RT)	1d	0%	1d	24-Jan-15	24-Jan-15	17-Jan-15	17-Jan-15	1d	$0	$0
SHT3365	Pressure Testing	4d	0%	4d	15-Feb-15	19-Feb-15	07-Feb-15	11-Feb-15	21d	$0	$0
Base course and Asphalt		17d		17d	01-Mar-15	22-Mar-15	21-Feb-15	14-Mar-15	7d	$0	$69,685
SHT3370	Final Finish Sub grade & 20 cm base course layer	9d	0%	9d	01-Mar-15	12-Mar-15	21-Feb-15	03-Mar-15	13d	$0	$27,072



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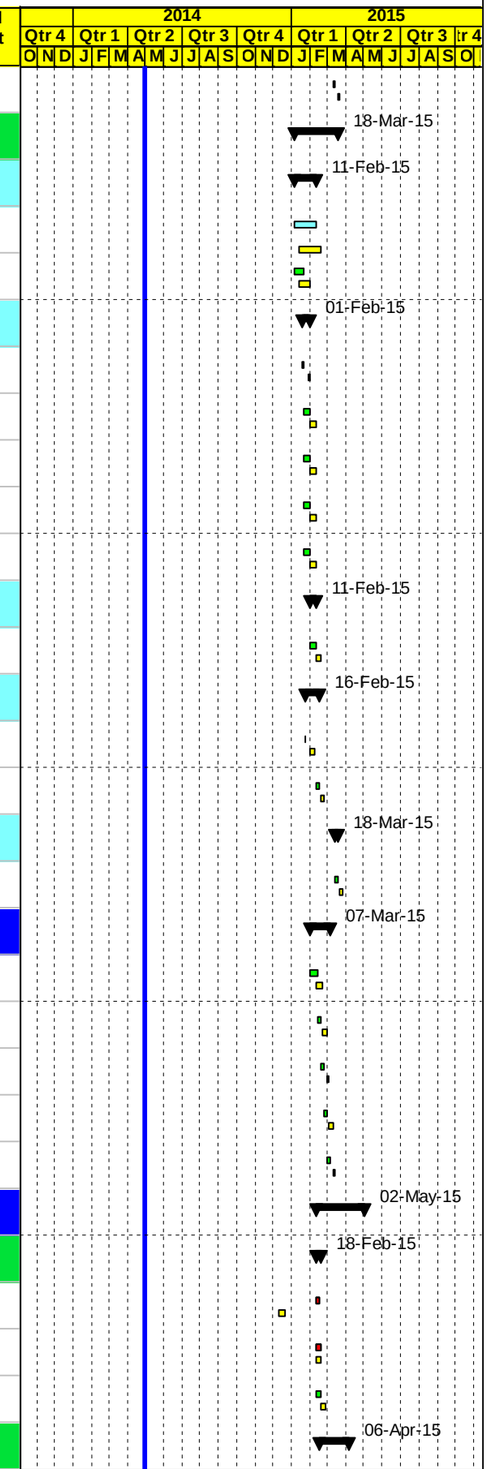
SHT3380	5 cm asphalt wearing course including prime coat	2d	0%	2d	19-Mar-15	22-Mar-15	11-Mar-15	14-Mar-15	7d	$0	$42,613
Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980		73d		73d	13-Jan-15	26-Mar-15	04-Jan-15	18-Mar-15	27d	$0	$137,428
Safety and Pipe Culvert		28d		28d	13-Jan-15	19-Feb-15	04-Jan-15	11-Feb-15	47d	$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	04-Jan-15	11-Feb-15	7d	$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	04-Jan-15	20-Jan-15	63d	$0	$0
Pipe Installation		9d		9d	28-Jan-15	10-Feb-15	19-Jan-15	01-Feb-15	9d	$0	$119,716
SHT3397	Road Crossing Karm Tzur (Working night shift)	1d	0%	1d	28-Jan-15	31-Jan-15	19-Jan-15	20-Jan-15	7d	$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	20-Jan-15	01-Feb-15	7d	$0	$6,748
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	20-Jan-15	01-Feb-15	9d	$0	$100,315
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	20-Jan-15	01-Feb-15	9d	$0	$7,471
SHT3407	Backfill the pipe trench with approved materials to the required level	8d	0%	8d	31-Jan-15	10-Feb-15	20-Jan-15	01-Feb-15	9d	$0	$5,182
Civil Chamber work		8d		8d	10-Feb-15	19-Feb-15	01-Feb-15	11-Feb-15	7d	$0	$13,000
SHT3410	Construct - 150 AR/AV Valve chamber @ Sta.6+040	8d	0%	8d	10-Feb-15	19-Feb-15	01-Feb-15	11-Feb-15	7d	$0	$13,000
Testing		24d		24d	31-Jan-15	24-Feb-15	24-Jan-15	16-Feb-15	9d	$0	$0
SHT3412	Radiographic Testing (RT)	1d	0%	1d	31-Jan-15	07-Feb-15	24-Jan-15	24-Jan-15	2d	$0	$0
SHT3415	Pressure Testing	4d	0%	4d	19-Feb-15	24-Feb-15	11-Feb-15	16-Feb-15	8d	$0	$0
Asphalt		4d		4d	22-Mar-15	26-Mar-15	14-Mar-15	18-Mar-15	22d	$0	$4,712
SHT3417	Asphalt Reinstatements over pipe trench	4d	0%	4d	22-Mar-15	26-Mar-15	14-Mar-15	18-Mar-15	22d	$0	$4,712
Surge Control System final connection to the booster station		27d		27d	10-Feb-15	15-Mar-15	01-Feb-15	07-Mar-15	16d	$0	$270,000
SHT3438	Concrete Works	10d	0%	10d	10-Feb-15	22-Feb-15	01-Feb-15	14-Feb-15	16d	$0	$0
SHT3440	Installation tank	5d	0%	5d	22-Feb-15	28-Feb-15	14-Feb-15	19-Feb-15	16d	$0	$0
SHT3450	Installation Compressor	3d	0%	3d	28-Feb-15	03-Mar-15	19-Feb-15	23-Feb-15	16d	$0	$0
SHT3455	Surge Control System	5d	0%	5d	03-Mar-15	10-Mar-15	23-Feb-15	01-Mar-15	16d	$0	$0
SHT3460	Surge Control System final connection to the booster station	4d	0%	4d	10-Mar-15	15-Mar-15	01-Mar-15	07-Mar-15	16d	$0	$270,000
Final Mechanical connection for main pipeline & distribution net work		67d		67d	10-Dec-14	13-Apr-15	10-Feb-15	02-May-15	-14d	$0	$542,900
Safety		8d		8d	10-Dec-14	26-Feb-15	10-Feb-15	18-Feb-15	7d	$0	$0
SHT3510	Testing Confined space (networks)	6d	0%	6d	10-Dec-14	20-Dec-14	10-Feb-15	17-Feb-15	-15d	$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
SHT3750	Testing Confined space (main pipelines) from St. 11+460 to 5+980	6d	0%	6d	19-Feb-15	26-Feb-15	11-Feb-15	18-Feb-15	7d	$0	$0
Mechanical		40d		40d	20-Dec-14	26-Mar-15	17-Feb-15	06-Apr-15	7d	$0	$365,700



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-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

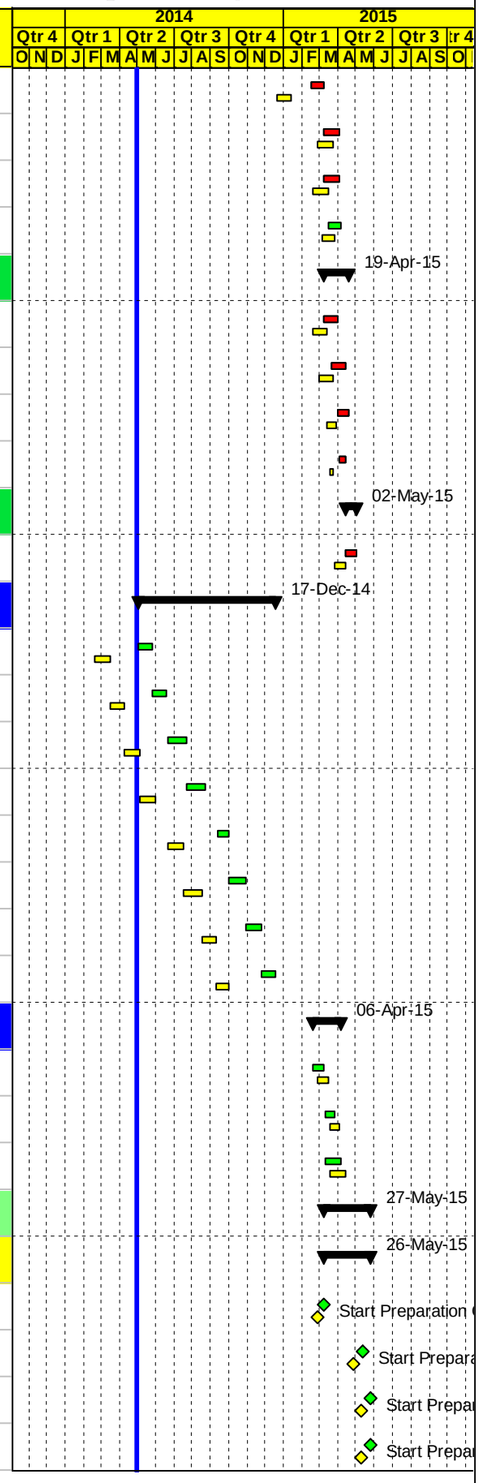
Updated Construction Program

April 30, 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
SHT3485	Electro Mech. Work including install all valves ,fittings, and flushing pipes (networks)	16d	0%	16d	20-Dec-14	12-Jan-15	17-Feb-15	09-Mar-15	-15d	$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	09-Mar-15	05-Apr-15	-8d	$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	09-Mar-15	05-Apr-15	-15d	$0	$19,500
SHT3500	water meter connection chambers and flow water	17d	0%	17d	07-Mar-15	26-Mar-15	17-Mar-15	06-Apr-15	7d	$0	$278,100
Connection new pipe to existing		34d		34d	18-Feb-15	30-Mar-15	09-Mar-15	19-Apr-15	-15d	$0	$132,200
SHT3501	Connection new pipe to one existing pipe Part one	20d	0%	20d	18-Feb-15	14-Mar-15	09-Mar-15	01-Apr-15	-15d	$0	$42,500
SHT3505	Connection new pipe to one existing pipe Part Two	20d	0%	20d	02-Mar-15	25-Mar-15	21-Mar-15	14-Apr-15	-15d	$0	$34,000
SHT3507	Connection new pipe to two existing pipe	14d	0%	14d	15-Mar-15	30-Mar-15	01-Apr-15	19-Apr-15	-15d	$0	$40,200
SHT3509	Connection new pipe to thee existing	7d	0%	7d	18-Mar-15	25-Mar-15	05-Apr-15	14-Apr-15	-15d	$0	$15,500
Final Disinfection and Pressure Testing		15d		15d	26-Mar-15	13-Apr-15	14-Apr-15	02-May-15	-15d	$0	$45,000
SHT3520	final Disinfection and Pressure Testing For main and dist.Pipeline	15d	0%	15d	26-Mar-15	13-Apr-15	14-Apr-15	02-May-15	-15d	$0	$45,000
Canceled Activities		177d		177d	18-Feb-14	01-Oct-14	03-May-14	17-Dec-14	91d	$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	03-May-14	26-May-14	48d	$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-May-14	19-Jun-14	48d	$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	21-Jun-14	23-Jul-14	48d	$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	23-Jul-14	24-Aug-14	48d	$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	13-Sep-14	02-Oct-14	48d	$0	$41,600
SHT1954	Stone Boulder9from 3+230 to 3+325 RHS total length (95LM)	20d	0%	20d	17-Jul-14	18-Aug-14	02-Oct-14	30-Oct-14	48d	$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	30-Oct-14	24-Nov-14	48d	$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	24-Nov-14	17-Dec-14	91d	$0	$54,400
Concrete and Road Finishing work		39d		39d	26-Feb-15	14-Apr-15	18-Feb-15	06-Apr-15	7d	$0	$329,017
SHT3530	install street lighting units	15d	0%	15d	26-Feb-15	17-Mar-15	18-Feb-15	09-Mar-15	30d	$0	$68,000
SHT3540	Construct concrete protection and ditch work	14d	0%	14d	19-Mar-15	05-Apr-15	11-Mar-15	28-Mar-15	14d	$0	$28,907
SHT3560	Guard rail, traffic signs , Road furnishing	21d	0%	21d	19-Mar-15	14-Apr-15	12-Mar-15	06-Apr-15	7d	$0	$232,110
Post Construction Phase		67d		67d	25-Feb-15	09-May-15	09-Mar-15	27-May-15	-15d	$0	$148,688
Post Construction Submittals		66d		66d	25-Feb-15	09-May-15	09-Mar-15	26-May-15	-14d	$0	$0
SHT3690	Start Preparation Operation and Maintenance Manuals	0d	0%	0d	25-Feb-15		09-Mar-15		30d	$0	$0
SHT3620	Start Preparation Warranties (to USAID)	0d	0%	0d	26-Apr-15		13-May-15		-3d	$0	$0
SHT3630	Start Preparation Final Acceptance Certificate	0d	0%	0d	09-May-15		26-May-15		-14d	$0	$0
SHT3640	Start Preparation Release of liens and waiver of debts and claims against the government	0d	0%	0d	09-May-15		26-May-15		-14d	$0	$0



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

Updated Construction Program

April 30, 2014

TO16

Deir Sha'aar Main Pipeline Project

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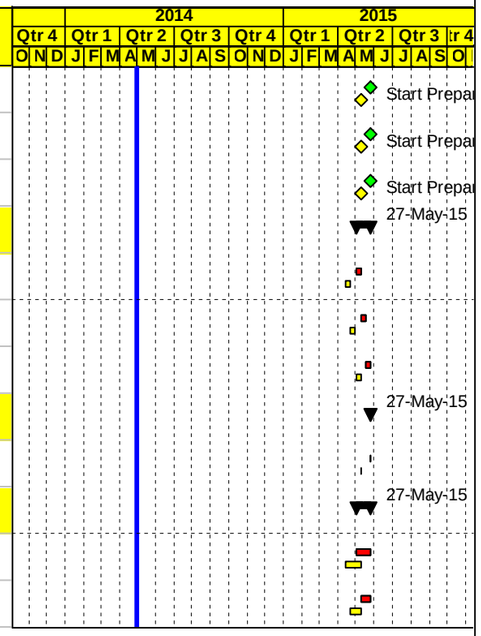
SHT3650	Start Preparation Final payment	0d	0%	0d	09-May-15		26-May-15		-14d	$0	$0
SHT3660	Start Preparation Final Report	0d	0%	0d	09-May-15		26-May-15		-14d	$0	$0
SHT3680	Start Preparation Clearance certificate from local entities/ Authorities involved	0d	0%	0d	09-May-15		26-May-15		-14d	$0	$0
Start up, Training and commissioning		22d		22d	14-Apr-15	09-May-15	02-May-15	27-May-15	-15d	$0	$0
SHT3700	Pre commissioning	7d	0%	7d	14-Apr-15	21-Apr-15	02-May-15	10-May-15	-15d	$0	$0
SHT3790	Commissioning	8d	0%	8d	22-Apr-15	30-Apr-15	10-May-15	19-May-15	-15d	$0	$0
SHT3800	Training	7d	0%	7d	02-May-15	09-May-15	19-May-15	27-May-15	-15d	$0	$0
Demobilization		1d		1d	09-May-15	09-May-15	26-May-15	27-May-15	-15d	$0	$148,688
SHT3810	Start Demobilization	1d	0%	1d	09-May-15	09-May-15	26-May-15	27-May-15	-15d	$0	$148,688
Post Construction activities		22d		22d	14-Apr-15	09-May-15	02-May-15	27-May-15	-15d	$0	$0
SHT3830	Start Preparation As-built drawings	21d	0%	21d	14-Apr-15	09-May-15	02-May-15	26-May-15	-14d	$0	$0
SHT3840	Walk through and check Punch list	14d	0%	14d	23-Apr-15	09-May-15	11-May-15	27-May-15	-15d	$0	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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B | One Month Look ahead

APCO/ArCon CONSTRUCTION AND SERVICES

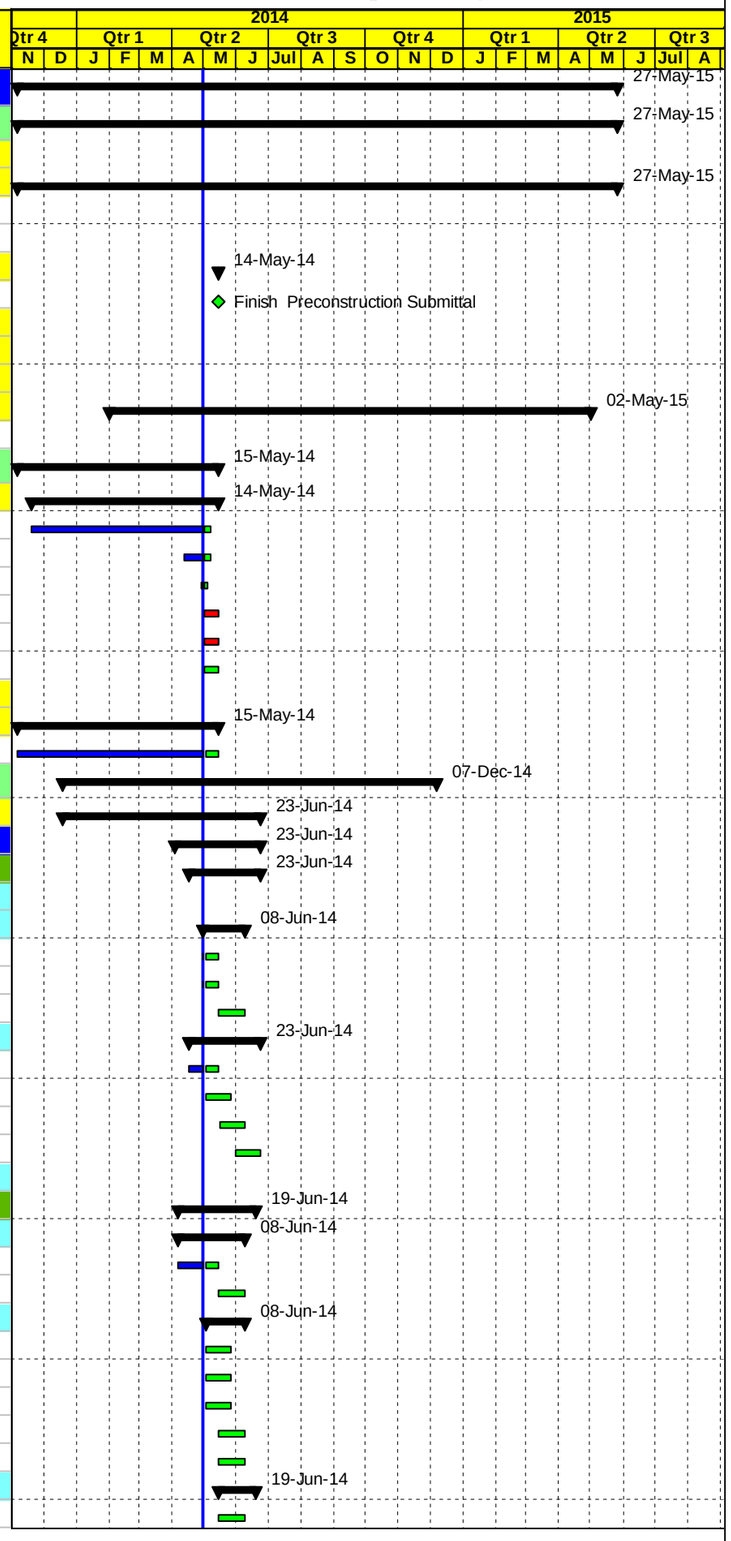
Construction Program

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	27-May-15	-17d
Milestones		550d		06-Nov-13 A	27-May-15	-17d
General Milestones		0d				0d
Task order Duration		550d		06-Nov-13 A	27-May-15	-17d
SHT0030	Project Duration (Calendar Days)	550d	28.86%	06-Nov-13 A	27-May-15	-17d
SHT0040	Project Duration (Working Days)	425d	28.44%	01-Feb-14 A	27-May-15	-15d
Pre Construction Milestones		0d		14-May-14	14-May-14	9d
SHT0060	Finish Preconstruction Submittal	0d	0%		14-May-14	9d
Mobilization Milestones		0d				0d
Shop Drawing Milestones		0d				0d
Material Milestones		0d				0d
Construction Milestones		332d		01-Feb-14 A	02-May-15	-14d
SHT1105	Construction Duration (Working Days)	332d	15.03%	01-Feb-14 A	02-May-15	-14d
Pre Construction Phase		190d		06-Nov-13 A	15-May-14	12d
Pre Construction Submittals		126d		19-Nov-13 A	14-May-14	9d
SHT0130	Subcontractors' profile	10d	50%	19-Nov-13 A	07-May-14	14d
SHT0137-new	Survey Plan from Sta. 9+890 to Sta. 11+463	10d	50%	13-Apr-14 A	07-May-14	14d
SHT0201-new	Survey Plan from Sta. 7+650 to Sta. 9+890	5d	50%	29-Apr-14 A	05-May-14	17d
SHT0166	R.T. testing agency qualifications	10d	0%	01-May-14	14-May-14	-14d
SHT0167	U.T. testing entity's qualifications.	10d	0%	01-May-14	14-May-14	-14d
SHT0160-new	Traffic Control Plan -Phase I -from Sta.2+800 to Sta.11+460-Deir Sha'ar Water Transmission Project	10d	0%	01-May-14	14-May-14	9d
Mobilization		0d				0d
Conformed Drawings and Coordination		40d		06-Nov-13 A	15-May-14	10d
SHT0266	Coordination with Israeli authorities for approval and permit area C	40d	70%	06-Nov-13 A	15-May-14	10d
Construction Phase		335d		19-Dec-13 A	07-Dec-14	154d
Construction Submittals		169d		19-Dec-13 A	23-Jun-14	320d
Shop Drawing Submittals		84d		03-Apr-14 A	23-Jun-14	320d
Plan Profile and Cross Sections		69d		17-Apr-14 A	23-Jun-14	159d
Plan Profile and Cross Sections From St.7+515 to 6+840 Phase One		0d				0d
Plan Profile and Cross Sections from St. 0+000 to 5+980 Phase Three		34d		30-Apr-14 A	08-Jun-14	132d
SHT0206	From St.4+950 to 6+000	21d	50%	30-Apr-14 A	14-May-14	131d
SHT0204	From St. 3+900 to 4+950	21d	50%	30-Apr-14 A	14-May-14	106d
SHT0208	From St. 5+300 to 5+980	21d	0%	15-May-14	08-Jun-14	132d
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		57d		17-Apr-14 A	23-Jun-14	108d
SHT0210	From St. 11+460 to 09+890	21d	50%	17-Apr-14 A	14-May-14	7d
SHT0216	From St.9+890 to 9+070	21d	0%	03-May-14	26-May-14	46d
SHT0217	From St.9+070 to 7+515	21d	0%	17-May-14	09-Jun-14	61d
SHT0218	From St.6+840 to 6+220	21d	0%	31-May-14	23-Jun-14	108d
Plan Profile and Cross Sections Networks		0d				0d
Pipeline		67d		07-Apr-14 A	19-Jun-14	121d
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		57d		07-Apr-14 A	08-Jun-14	31d
SHT0221	Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086	21d	50%	07-Apr-14 A	14-May-14	31d
SHT0222	Halhul Water Distribution Network All Segments	21d	0%	14-May-14	08-Jun-14	31d
Waterline from St. 0+000 to 5+980 PhaseThree		32d		03-May-14	08-Jun-14	131d
SHT0234	Waterline From St.3+030 to 3+780	21d	0%	03-May-14	26-May-14	137d
SHT0232	Waterline From St. 2+780 to 3+030	21d	0%	03-May-14	26-May-14	80d
SHT0236	Waterline From St. 3+780 to 3+900	21d	0%	03-May-14	26-May-14	111d
SHT0238	Waterline From St. 3+900 to 4+640	21d	0%	14-May-14	08-Jun-14	106d
SHT0240	Waterline From St. 4+640 to 5+300	21d	0%	14-May-14	08-Jun-14	131d
Waterline from St. 11+460 to 5+980 Phase Four		32d		14-May-14	19-Jun-14	46d
SHT0244	Waterline From St. 11+460 to 11+000	21d	0%	14-May-14	08-Jun-14	7d



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

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Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

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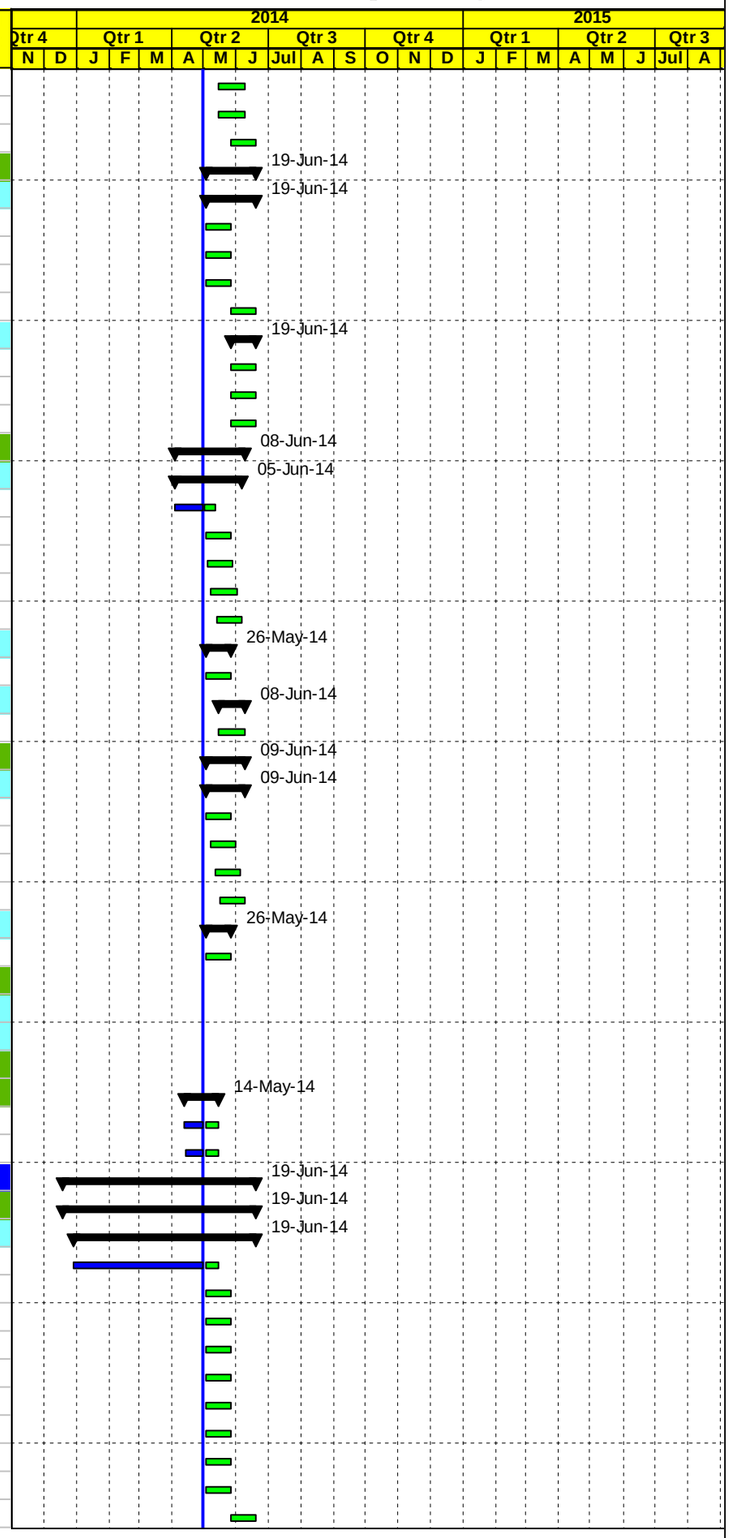
SHT0248	Waterline From St.10+460 to 9+880	21d	0%	14-May-14	08-Jun-14	38d
SHT0246	Waterline From St. 11+000 to 10+460	21d	0%	14-May-14	08-Jun-14	20d
SHT0250	Waterline From St.9+880 to 9+070	21d	0%	27-May-14	19-Jun-14	46d
Connection and Valves Chambers		42d		03-May-14	19-Jun-14	187d
Civil		42d		03-May-14	19-Jun-14	154d
SHT0259	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	03-May-14	26-May-14	58d
SHT0267	Main Connection monitoring chamber @ sta. 0+140	21d	0%	03-May-14	26-May-14	46d
SHT0273	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	03-May-14	26-May-14	126d
SHT0276	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	0%	27-May-14	19-Jun-14	154d
Mechanical		21d		27-May-14	19-Jun-14	187d
SHT0283	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	27-May-14	19-Jun-14	164d
SHT0284	Main Connection monitoring chamber @ sta. 0+140	21d	0%	27-May-14	19-Jun-14	187d
SHT0209	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	27-May-14	19-Jun-14	187d
Concrete walls		67d		03-Apr-14 A	08-Jun-14	336d
Concrete walls Phase One		64d		03-Apr-14 A	05-Jun-14	338d
SHT0307-new	Retaining Wall from Sta.7+375 to Sta.7+391 LHS and from Sta.7+432 to Sta.7+438 LHS	21d	50%	03-Apr-14 A	11-May-14	364d
SHT0309	Retaining wall from sta. 7+140 to 7+170 RHS total length (30 LM)	21d	0%	03-May-14	26-May-14	38d
SHT0310	Retaining wall from sta. 7+050 to 6+970 and from 6+920 to 6+885 LHS total length (115 LM)	21d	0%	04-May-14	27-May-14	38d
SHT0311	Boundary wall from sta. 7+195 to 7+190 and from 7+035 to 7+020 total length (20 LM)	21d	0%	08-May-14	01-Jun-14	93d
SHT0312	Boundary wall from sta. 7+015 to 6+970 and from 6+965 to 6+935 total length (75 LM)	21d	0%	13-May-14	05-Jun-14	98d
Concrete walls Phase Three		21d		03-May-14	26-May-14	80d
SHT0313	Gravity wall from sta. 3+525 to 3+540 RHS total length (15 LM)	21d	0%	03-May-14	26-May-14	80d
Concrete walls Phase Four		21d		14-May-14	08-Jun-14	151d
SHT0314	Retaining wall from sta. 10+650 to 10+680 RHS total length (30 LM)	21d	0%	14-May-14	08-Jun-14	151d
Pipe Culverts		33d		03-May-14	09-Jun-14	198d
Pipe Culverts Phase Three		33d		03-May-14	09-Jun-14	198d
SHT0315	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	21d	0%	03-May-14	26-May-14	127d
SHT0318	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 2+230 with L=8.5m	21d	0%	07-May-14	31-May-14	188d
SHT0321	Dia. 1000 mm precast pipe culvert including inlet and outlet @ Sta.2+860 with L=14.0 m	21d	0%	12-May-14	04-Jun-14	188d
SHT0324	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 4+610 with L=9.0 m	21d	0%	17-May-14	09-Jun-14	198d
Pipe Culverts Phase Four		21d		03-May-14	26-May-14	166d
SHT0330	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 10+613 with L=7.0 m	21d	0%	03-May-14	26-May-14	166d
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		21d		13-Apr-14 A	14-May-14	278d
SHT0371-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 0+000 to St. 1+200.	21d	50%	13-Apr-14 A	14-May-14	278d
SHT0372-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	21d	50%	15-Apr-14 A	14-May-14	278d
Material Submittals		165d		19-Dec-13 A	19-Jun-14	324d
Submittals including Manufacturers Qualifications , Shop Test, Product Data		165d		19-Dec-13 A	19-Jun-14	324d
Material Submittal Roads		134d		30-Dec-13 A	19-Jun-14	247d
SHT0415	Storm Drainage RC pipes	21d	50%	30-Dec-13 A	14-May-14	137d
SHT0430	Prime Coat	21d	0%	03-May-14	26-May-14	268d
SHT0435	Tack Coat	21d	0%	03-May-14	26-May-14	268d
SHT0440	Bituminous Binder Course-Mix Design	21d	0%	03-May-14	26-May-14	268d
SHT0475	Galvanized steel Handrail	21d	0%	03-May-14	26-May-14	226d
SHT0395	Precast Concrete Manholes and catch basin	21d	0%	03-May-14	26-May-14	196d
SHT0465	Street Lighting including poles	21d	0%	03-May-14	26-May-14	160d
SHT0470	Interlocking Blocks	21d	0%	03-May-14	26-May-14	268d
SHT0640	Storm water manholes	21d	0%	03-May-14	26-May-14	268d
SHT0505	Lighting control	21d	0%	27-May-14	19-Jun-14	160d



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

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

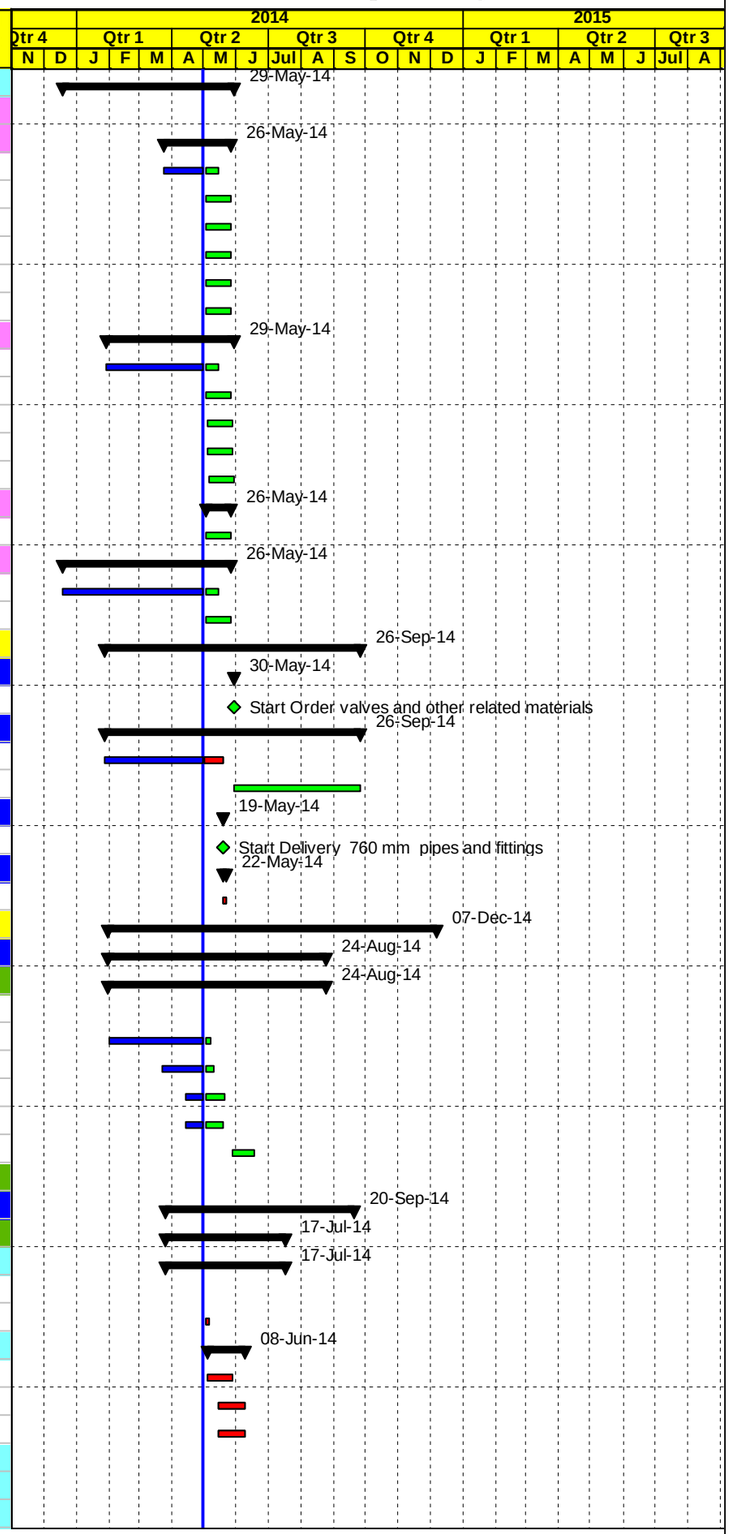
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		137d		19-Dec-13 A	29-May-14	272d
Pipes		0d				0d
Manholes and chambers		56d		24-Mar-14 A	26-May-14	86d
SHT0585	Bolts ,washers & nuts	21d	50%	24-Mar-14 A	14-May-14	96d
SHT0565	Buddle flanges	21d	0%	03-May-14	26-May-14	86d
SHT0568	Manhole Cover and Frame.	21d	0%	03-May-14	26-May-14	86d
SHT0570	Ladders steps	21d	0%	03-May-14	26-May-14	86d
SHT0573	Holding Jacks	21d	0%	03-May-14	26-May-14	86d
SHT0590	Epoxy coating	21d	0%	03-May-14	26-May-14	86d
Valves & fittings including Design calculations of fitting		106d		29-Jan-14 A	29-May-14	83d
SHT0650	Mechanical coupling	21d	50%	29-Jan-14 A	14-May-14	96d
SHT0675	Electro magnetic flow Water meters	21d	0%	03-May-14	26-May-14	83d
SHT0680	Surge Tank	21d	0%	04-May-14	27-May-14	83d
SHT0685	Air Compressor	21d	0%	05-May-14	28-May-14	83d
SHT0690	Filters	21d	0%	06-May-14	29-May-14	83d
Control Valves		21d		03-May-14	26-May-14	86d
SHT0730	Water meters	21d	0%	03-May-14	26-May-14	86d
Others		109d		19-Dec-13 A	26-May-14	208d
SHT0785	Strainers.	21d	50%	19-Dec-13 A	14-May-14	96d
SHT0905	Earthing grounding system	21d	0%	03-May-14	26-May-14	208d
Procurements		197d		27-Jan-14 A	26-Sep-14	93d
Order		0d		30-May-14	30-May-14	93d
SHT0940	Start Order valves and other related materials	0d	0%	30-May-14		93d
Manufacturing		197d		27-Jan-14 A	26-Sep-14	93d
SHT0970	760 mm pipes and fittings	87d	85%	27-Jan-14 A	19-May-14	0d
SHT0980	valves and other related materials	100d	0%	30-May-14	26-Sep-14	93d
Delivery		0d		19-May-14	19-May-14	0d
SHT1010	Start Delivery 760 mm pipes and fittings	0d	0%	19-May-14		0d
Testing		3d		19-May-14	22-May-14	0d
SHT1050	Testing 760 mm pipes and fittings	3d	0%	19-May-14	22-May-14	0d
Construction		297d		30-Jan-14 A	07-Dec-14	87d
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		125d		30-Jan-14 A	24-Aug-14	60d
Road work (Stone boulder & Conc. Walls) St.7+515 to 6+840 LHS		104d		30-Jan-14 A	24-Aug-14	48d
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	30%	30-Jan-14 A	24-Aug-14	48d
SHT1117	Structural excavation for retaining walls	21d	80%	01-Feb-14 A	07-May-14	48d
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	21d	70%	23-Mar-14 A	10-May-14	54d
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	21d	20%	15-Apr-14 A	21-May-14	43d
SHT1389-new	Concrete retaining wall from sta. 7+290 to 7+390 LHS = length (100 LM)	21d	30%	15-Apr-14 A	19-May-14	45d
SHT1125	Concrete retaining wall from sta. 6+920 to 6+885 LHS = length (35 LM)	18d	0%	28-May-14	17-Jun-14	38d
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		147d		25-Mar-14 A	20-Sep-14	109d
Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+200		71d		25-Mar-14 A	17-Jul-14	152d
Safety, saw cut asphalt and milling		59d		25-Mar-14 A	17-Jul-14	117d
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	59d	0%	25-Mar-14 A	17-Jul-14	117d
SHT1180	saw cut asphalt	3d	0%	03-May-14	05-May-14	-11d
Pipe Installation		30d		05-May-14	08-Jun-14	-15d
SHT1185	Trench excavation for 200 mm Dist. pipeline with length approx. (1200 LM)	21d	0%	05-May-14	28-May-14	-11d
SHT1190	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	0%	14-May-14	08-Jun-14	-15d
SHT1195	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	0%	14-May-14	08-Jun-14	-15d
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d



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

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

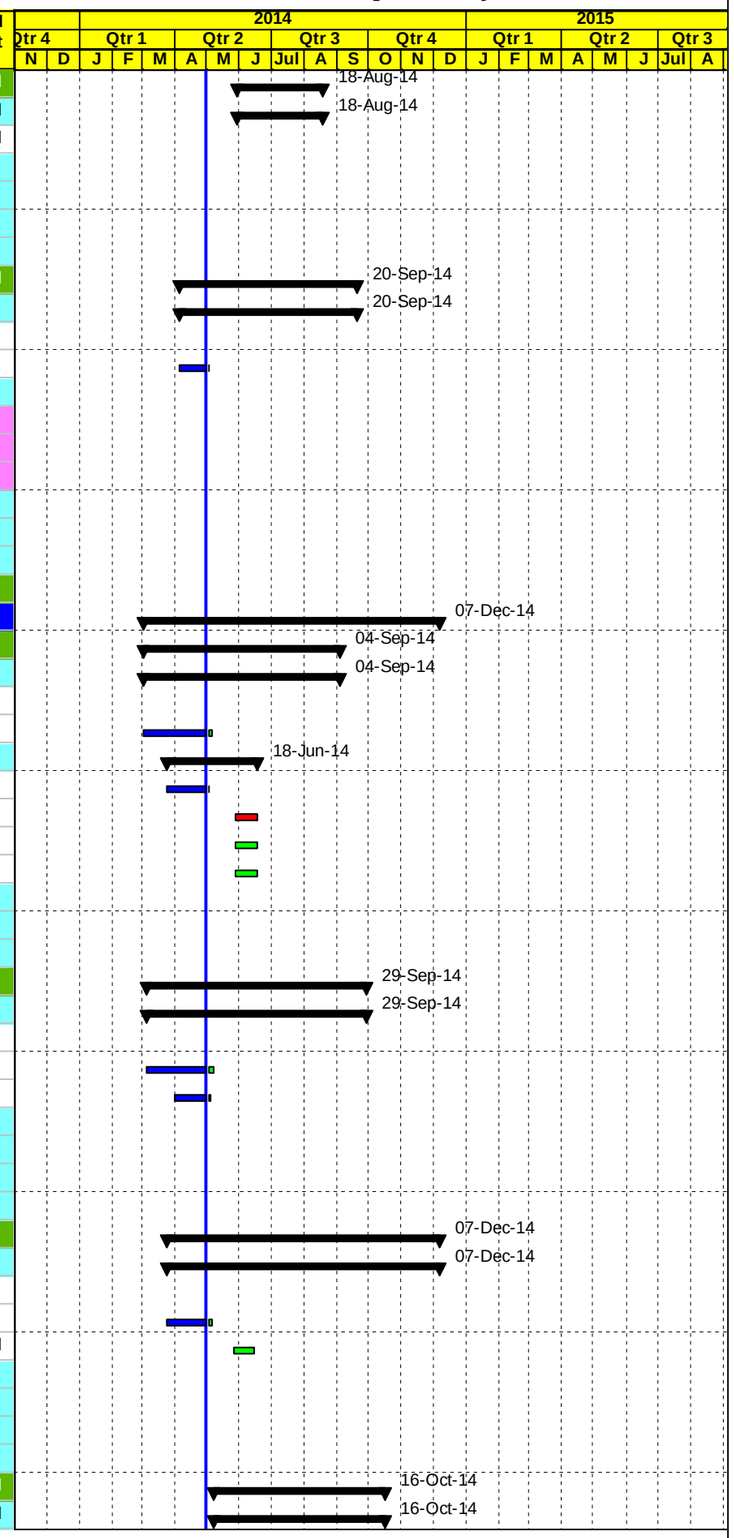
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		81d		29-May-14	18-Aug-14	133d
Safety, saw cut asphalt and milling		57d		29-May-14	18-Aug-14	104d
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	57d	0%	29-May-14	18-Aug-14	104d
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		147d		05-Apr-14 A	20-Sep-14	109d
Safety, saw cut asphalt and milling		112d		05-Apr-14 A	20-Sep-14	83d
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	112d	3.58%	05-Apr-14 A	20-Sep-14	83d
SHT1270	Road excavation and backfilling to the required sub grade levels	3d	70%	06-Apr-14 A	03-May-14	37d
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
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	80%	03-Mar-14 A	06-May-14	22d
Pipe Installation		75d		25-Mar-14 A	18-Jun-14	1d
SHT1507-new	Rock breaking (Digging)	10d	90%	25-Mar-14 A	03-May-14	21d
SHT1508	Trench excavation for 760 mm main pipeline from 0+00 to sta.0+630 with length approx. (630 LM)	18d	0%	28-May-14	18-Jun-14	0d
SHT1510	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	18d	0%	28-May-14	18-Jun-14	1d
SHT1520	Backfill the pipe trench with approved materials to the required level	18d	0%	28-May-14	18-Jun-14	1d
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		193d		05-Mar-14 A	29-Sep-14	43d
Safety and Excavation Works		151d		05-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%	05-Mar-14 A	29-Sep-14	33d
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	80%	06-Mar-14 A	07-May-14	40d
SHT1587-new	Rock breaking (Digging)	10d	80%	01-Apr-14 A	04-May-14	38d
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	10%	24-Mar-14 A	07-Dec-14	33d
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	80%	25-Mar-14 A	06-May-14	14d
SHT1660	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	16d	0%	27-May-14	14-Jun-14	127d
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		162d		07-May-14	16-Oct-14	139d
Safety , Excavation Works and Pipe Culvert		123d		07-May-14	16-Oct-14	107d



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

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

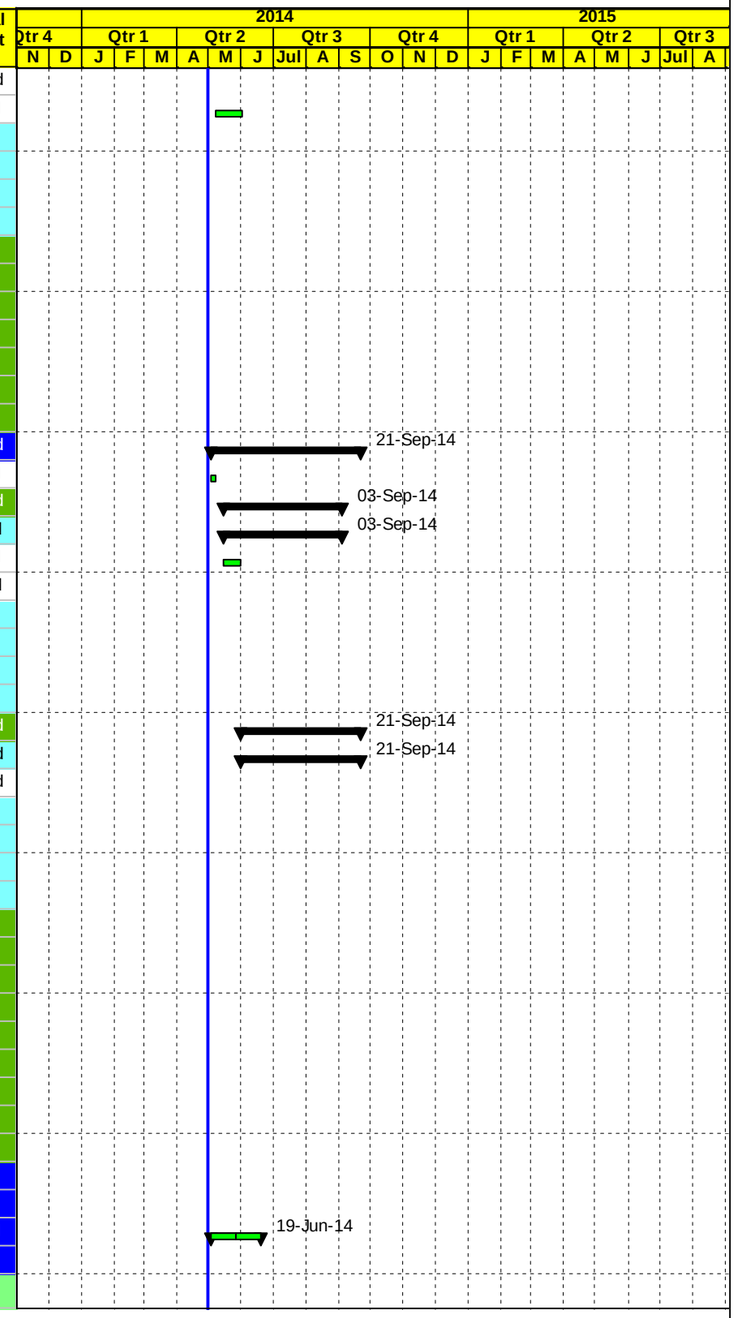
Construction Program

One Month Lookahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	123d	0%	07-May-14	16-Oct-14	107d
SHT1750	Road excavation and backfilling to the required sub grade levels	21d	0%	08-May-14	01-Jun-14	14d
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		142d		03-May-14	21-Sep-14	140d
SHT2405	Implement traffic control Phase Four	5d	0%	03-May-14	07-May-14	28d
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		112d		14-May-14	03-Sep-14	156d
Safety and Excavation Works		84d		14-May-14	03-Sep-14	118d
SHT2420	Road excavation and backfilling to the required subgrade level	14d	0%	14-May-14	31-May-14	24d
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	81d	0%	19-May-14	03-Sep-14	118d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d
Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460		113d		31-May-14	21-Sep-14	140d
Safety , Excavation Works ,Pipe Culvert and concrete wall		85d		31-May-14	21-Sep-14	105d
SHT2510	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	85d	0%	31-May-14	21-Sep-14	105d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		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
Canceled Activities		42d		03-May-14	19-Jun-14	48d
Concrete and Road Finishing work		0d				0d
Post Construction Phase		0d				0d



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

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

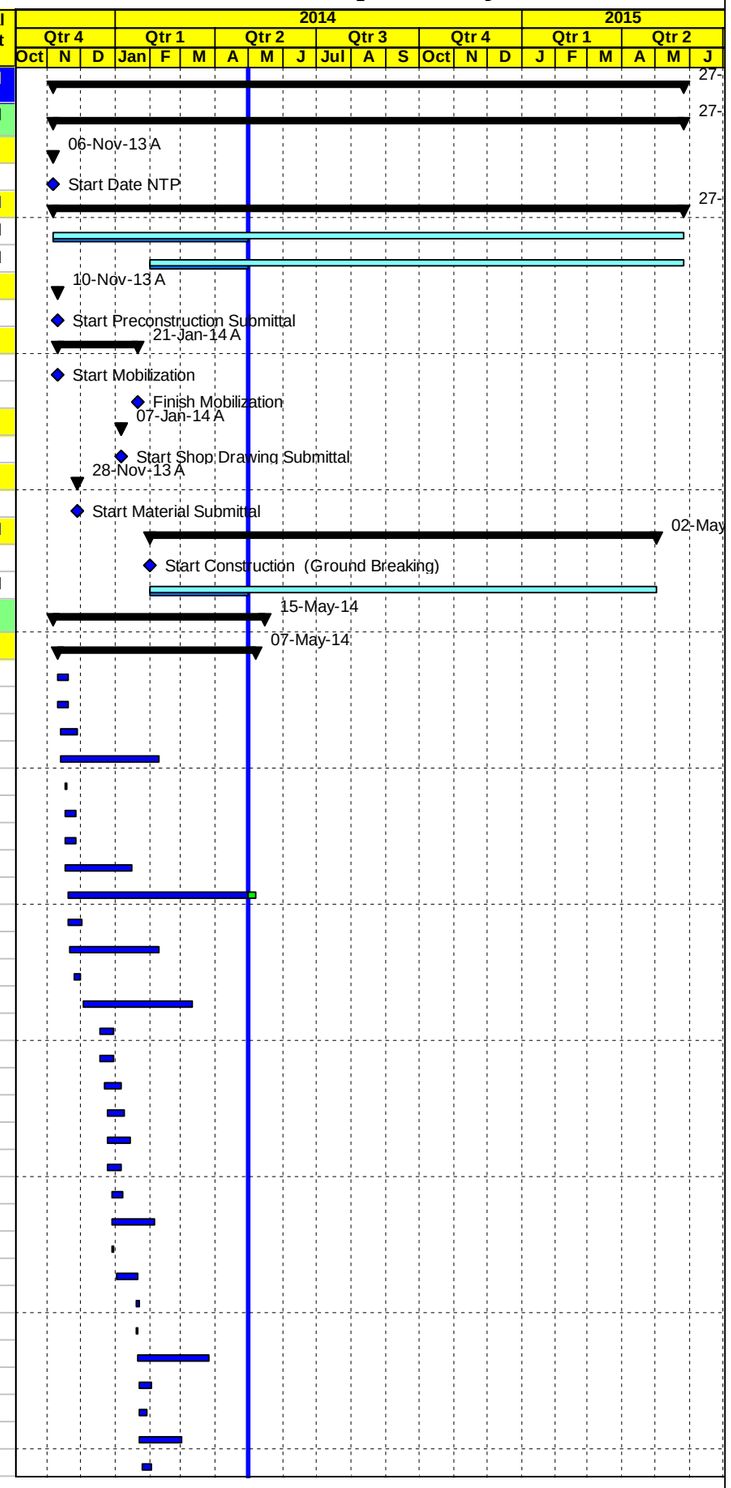
Construction Program

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	27-May-15	-17d
Milestones		550d		06-Nov-13 A	27-May-15	-17d
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	27-May-15	-17d
SHT0030	Project Duration (Calendar Days)	550d	28.86%	06-Nov-13 A	27-May-15	-17d
SHT0040	Project Duration (Working Days)	425d	28.44%	01-Feb-14 A	27-May-15	-15d
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	21-Jan-14 A	
SHT0065	Start Mobilization	0d	100%	10-Nov-13 A		
SHT0070	Finish Mobilization	0d	100%		21-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	02-May-15	-14d
SHT1100	Start Construction (Ground Breaking)	0d	100%	01-Feb-14 A		
SHT1105	Construction Duration (Working Days)	332d	15.03%	01-Feb-14 A	02-May-15	-14d
Pre Construction Phase		181d		06-Nov-13 A	15-May-14	12d
Pre Construction Submittals		126d		10-Nov-13 A	07-May-14	14d
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-May-14	14d
SHT0124	Testing Lab	10d	100%	20-Nov-13 A	01-Dec-13 A	
SHT0134	Existing Survey Plan from Sta.0+000 to Sta.2+700	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	
SHT0134-new	Survey Plan from Sta.2+700 to Sta.6+000	10d	100%	19-Dec-13 A	31-Dec-13 A	
SHT0135-new	Survey Plan from Sta.6+000 to Sta.7+650	10d	100%	19-Dec-13 A	31-Dec-13 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-new	Traffic Control Plan from Sta.7+090 to Sta.7+500 LHS	5d	100%	29-Dec-13 A	08-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	
SHT0126	Key Personnel Plan	10d	100%	30-Dec-13 A	31-Dec-13 A	
SHT0155	Dilapidation Survey/Phase 01- From St. 0+700 to St. 4+400 and From St. 6+230 to St. 11+460	10d	100%	02-Jan-14 A	22-Jan-14 A	
SHT0148	Proposed Staging and Storage area location	10d	100%	20-Jan-14 A	23-Jan-14 A	
SHT0155-new	Dilapidation Survey - Phase 02- From St. 0+000 to St.0+700 and From St. 4+400 to St. 6+200.	10d	100%	20-Jan-14 A	22-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 Program - Phase 01- From St. 0+000 to St.2+700 and From St. 6+800 to St. 7+515	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	
SHT0136-new	Survey Plan from Sta.7+093 to Sta.7+220	10d	100%	26-Jan-14 A	03-Feb-14 A	



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

Page 1 of 6

Date	Revision	Checked	Approved
03-May-14			

APCO/ArCon CONSTRUCTION AND SERVICES

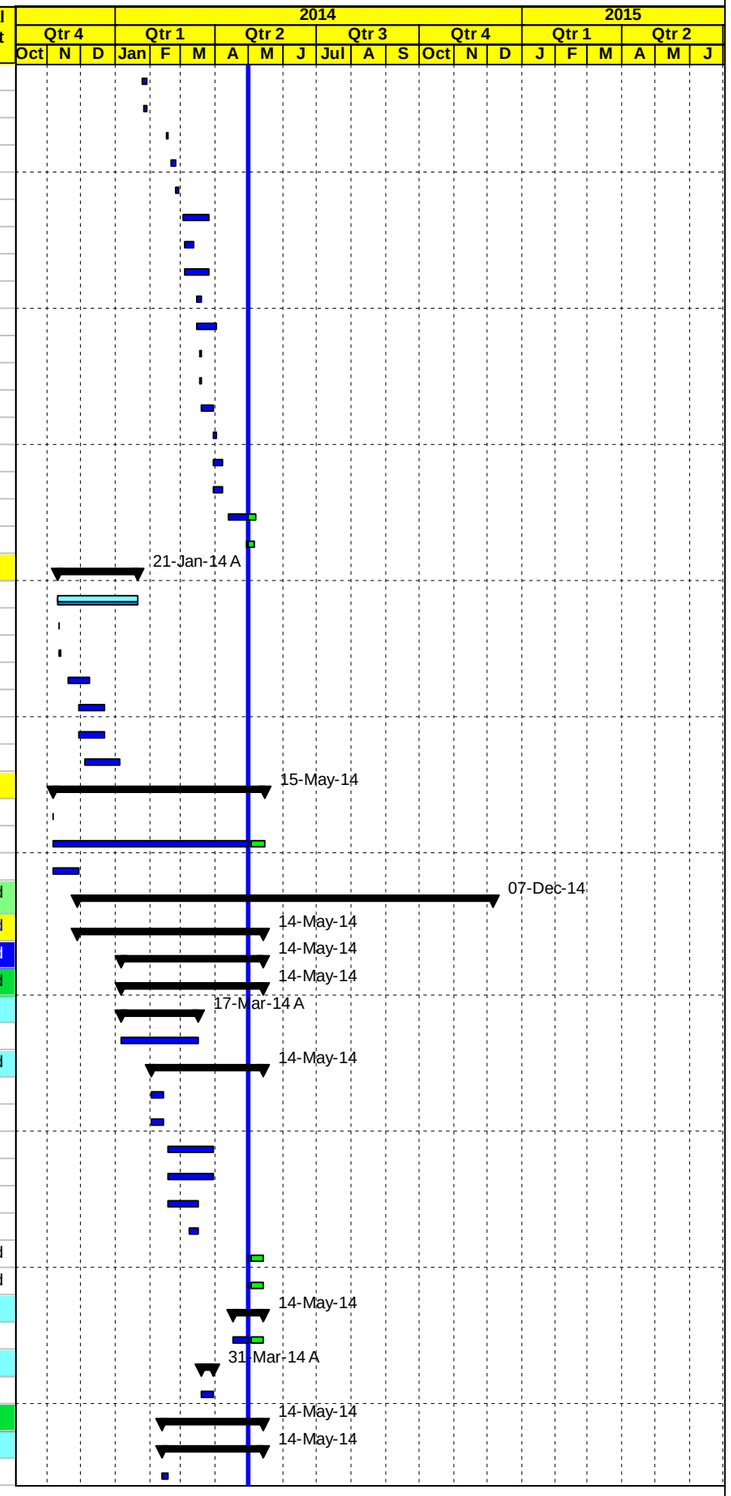
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0157-new	Proposed Dumping area	10d	100%	26-Jan-14 A	30-Jan-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	
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	Welders Qualifications (Certificate for Welder Fadi Shuebeha)	10d	100%	05-Mar-14 A	13-Mar-14 A	
SHT0166-new	8"-12" Procedure Qualification Record (PQR)	10d	100%	05-Mar-14 A	27-Mar-14 A	
SHT0203-new	Radiographic Testing (RT) Method Statement	10d	100%	15-Mar-14 A	20-Mar-14 A	
SHT0137-new10	Specific Method Statement -3" To 12" Pipeline Installation ,welding procedure and Testing	10d	100%	16-Mar-14 A	02-Apr-14 A	
SHT0168-new	Dilapidation Survey -Beit Ummar 8" Network	10d	100%	18-Mar-14 A	19-Mar-14 A	
SHT0196-new	Risk Management Program - Beit Ummar 8" Network	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	
SHT0197-new	Dilapidation Survey -Al-Aroub Connection 4" & 6"	10d	100%	30-Mar-14 A	02-Apr-14 A	
SHT0198-new	Risk Management Program -Al-Aroub Connection 4" & 6"	10d	100%	31-Mar-14 A	08-Apr-14 A	
SHT0199-new	8" Water steel pipe work installation -Method of Statement	10d	100%	31-Mar-14 A	08-Apr-14 A	
SHT0137-new	Survey Plan from Sta. 9+890 to Sta. 11+463	10d	50%	13-Apr-14 A	07-May-14	14d
SHT0201-new	Survey Plan from Sta. 7+650 to Sta. 9+890	5d	50%	29-Apr-14 A	05-May-14	17d
Mobilization		23d		11-Nov-13 A	21-Jan-14 A	
SHT0168	Mobilization Total Cost (4.0%)	23d	100%	11-Nov-13 A	21-Jan-14 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	15-May-14	10d
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	15-May-14	10d
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		214d		28-Nov-13 A	14-May-14	361d
Shop Drawing Submittals		214d		07-Jan-14 A	14-May-14	361d
Plan Profile and Cross Sections		140d		07-Jan-14 A	14-May-14	131d
Plan Profile and Cross Sections From St.7+515 to 6+840 Phase One		21d		07-Jan-14 A	17-Mar-14 A	
SHT0188	From St.7+515 to 6+840	21d	100%	07-Jan-14 A	17-Mar-14 A	
Plan Profile and Cross Sections from St. 0+000 to 5+980 Phase Three		140d		03-Feb-14 A	14-May-14	131d
SHT0192	From St.0+630 to 1+200	21d	100%	03-Feb-14 A	13-Feb-14 A	
SHT0190	From St.0+000 to 0+630	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+780	21d	100%	09-Mar-14 A	17-Mar-14 A	
SHT0206	From St.4+950 to 6+000	21d	50%	30-Apr-14 A	14-May-14	131d
SHT0204	From St. 3+900 to 4+950	21d	50%	30-Apr-14 A	14-May-14	106d
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		21d		17-Apr-14 A	14-May-14	7d
SHT0210	From St. 11+460 to 09+890	21d	50%	17-Apr-14 A	14-May-14	7d
Plan Profile and Cross Sections Networks		21d		20-Mar-14 A	31-Mar-14 A	
SHT0219-new	from Sta.0+000 to Sta.1+225-Al Aroub Road	21d	100%	20-Mar-14 A	31-Mar-14 A	
Pipeline		126d		12-Feb-14 A	14-May-14	36d
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		97d		12-Feb-14 A	14-May-14	31d
SHT0220	Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 2+295	21d	100%	12-Feb-14 A	18-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
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APCO ArCon CONSTRUCTION AND SERVICES

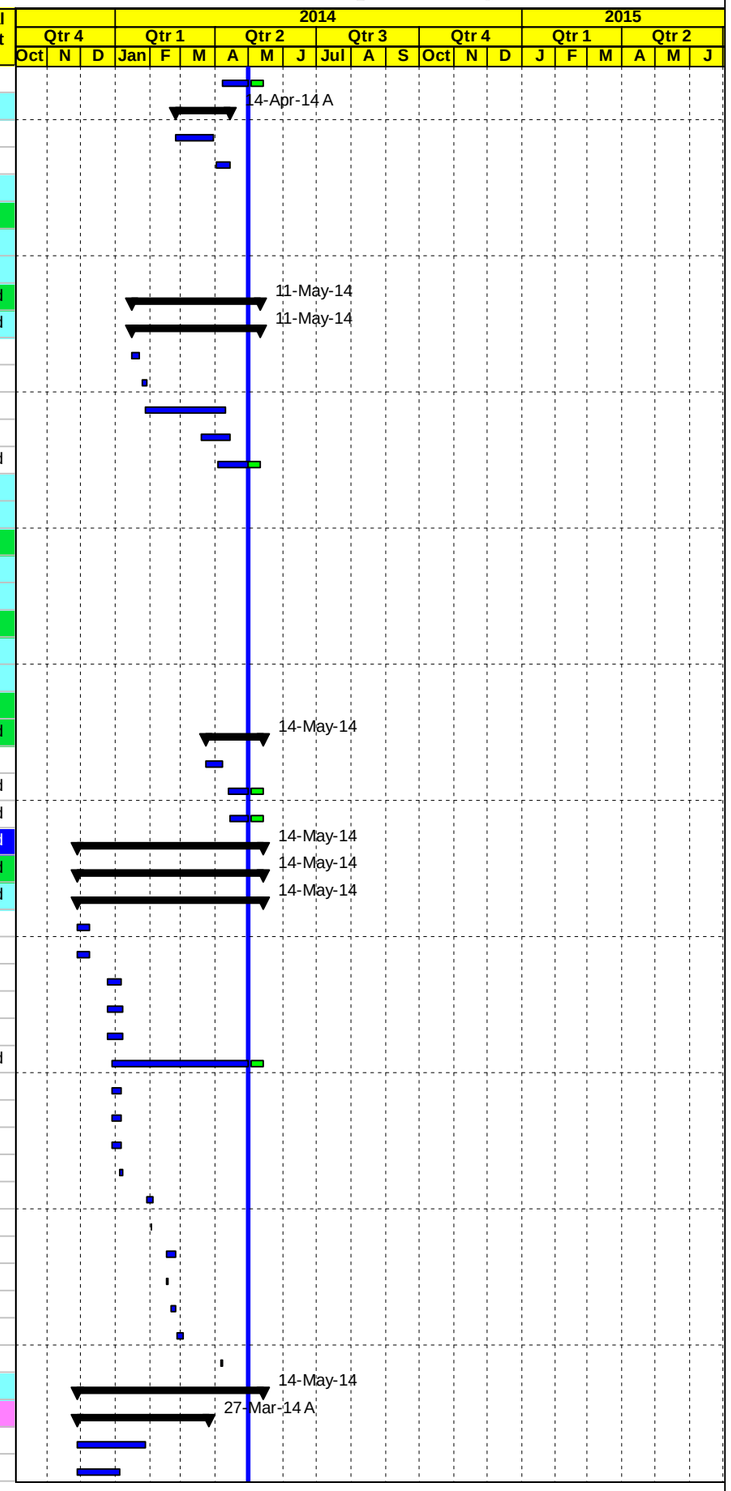
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0221	Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086	21d	50%	07-Apr-14 A	14-May-14	31d
Waterline from St. 0+000 to 5+980 PhaseThree		84d		24-Feb-14 A	14-Apr-14 A	
SHT0224	Waterline From St.0+000 to 1+200	21d	100%	24-Feb-14 A	30-Mar-14 A	
SHT0228	Waterline From St.1+200 to 2+780	21d	100%	02-Apr-14 A	14-Apr-14 A	
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		169d		16-Jan-14 A	11-May-14	364d
Concrete walls Phase One		169d		16-Jan-14 A	11-May-14	364d
SHT0304-new	Retaining wall from Sta. Sta.7+093 to Sta.7+220 LHS total length (127LM)	21d	100%	16-Jan-14 A	23-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	100%	28-Jan-14 A	10-Apr-14 A	
SHT0308-new	Retaining Wall from Sta.7+220 to Sta.7+376 LHS	21d	100%	19-Mar-14 A	15-Apr-14 A	
SHT0307-new	Retaining Wall from Sta.7+375 to Sta.7+391 LHS and from Sta.7+432 to Sta.7+438 LHS	21d	50%	03-Apr-14 A	11-May-14	364d
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		21d		24-Mar-14 A	14-May-14	278d
SHT0370-new	Manufacturer "Bermad" sizing of Deir Shaar Pressure Reducing Valve	21d	100%	24-Mar-14 A	07-Apr-14 A	
SHT0371-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 0+000 to St. 1+200.	21d	50%	13-Apr-14 A	14-May-14	278d
SHT0372-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	21d	50%	15-Apr-14 A	14-May-14	278d
Material Submittals		126d		28-Nov-13 A	14-May-14	137d
Submittals including Manufacturers Qualifications , Shop Test, Product Data		126d		28-Nov-13 A	14-May-14	137d
Material Submittal Roads		111d		28-Nov-13 A	14-May-14	137d
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	Storm Drainage RC pipes	21d	50%	30-Dec-13 A	14-May-14	137d
SHT0490	Guard Rail	21d	100%	30-Dec-13 A	06-Jan-14 A	
SHT0425	Curbstone	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	25-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	
SHT0567-new	Second source of base course	5d	100%	06-Apr-14 A	08-Apr-14 A	
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		112d		28-Nov-13 A	14-May-14	96d
Pipes		97d		28-Nov-13 A	27-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	05-Jan-14 A	



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

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03-May-14			

APCO ArCon
CONSTRUCTION AND SERVICES

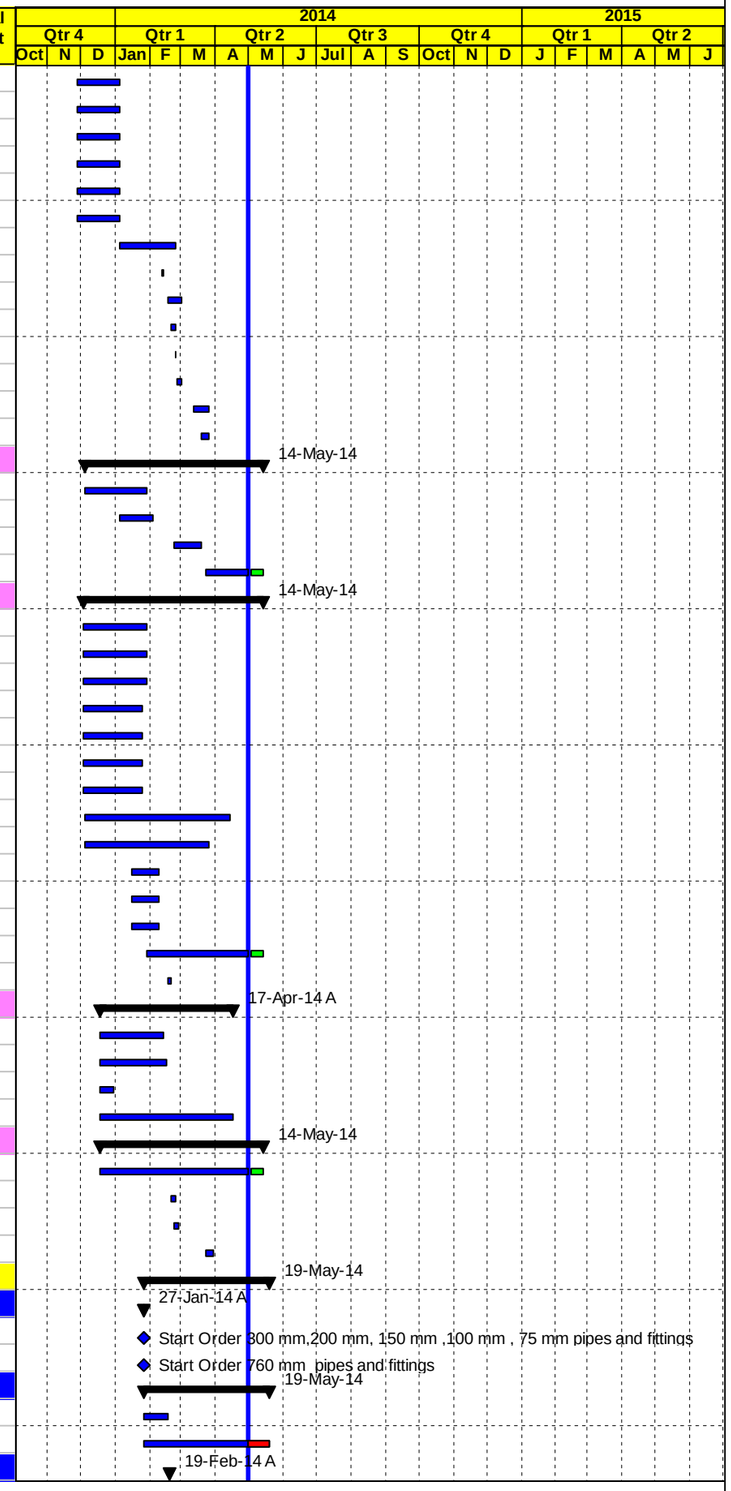
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0520	Steel pipeline 200 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
SHT0525	Steel pipeline 150 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
SHT0530	Steel pipeline 100 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
SHT0535	Steel pipeline 75 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
SHT0548	Steel pipeline 250 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
SHT0557	Steel pipeline 50 mm	21d	100%	28-Nov-13 A	05-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	
SHT0560	Warning tape	21d	100%	18-Feb-14 A	02-Mar-14 A	
SHT0547	Backfilling material	21d	100%	20-Feb-14 A	24-Feb-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	
SHT0564-new	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP	21d	100%	13-Mar-14 A	27-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	14-May-14	96d
SHT0563	Air ventilation pipes	21d	100%	05-Dec-13 A	30-Jan-14 A	
SHT0575	Steel flanges	21d	100%	05-Jan-14 A	04-Feb-14 A	
SHT0580	Flange Gaskets_Klinger	21d	100%	23-Feb-14 A	20-Mar-14 A	
SHT0585	Bolts ,washers & nuts	21d	50%	24-Mar-14 A	14-May-14	96d
Valves & fittings including Design calculations of fitting		57d		04-Dec-13 A	14-May-14	96d
SHT0600	Butterfly. valves 760 mm	21d	100%	04-Dec-13 A	30-Jan-14 A	
SHT0605	Butterfly.valves 500 mm	21d	100%	04-Dec-13 A	30-Jan-14 A	
SHT0610	Butterfly. valves400 mm	21d	100%	04-Dec-13 A	30-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	14-Apr-14 A	
SHT0655	Dismantling Joint	21d	100%	05-Dec-13 A	27-Mar-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	
SHT0650	Mechanical coupling	21d	50%	29-Jan-14 A	14-May-14	96d
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	17-Apr-14 A	
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	100%	19-Dec-13 A	17-Apr-14 A	
Others		84d		19-Dec-13 A	14-May-14	96d
SHT0785	Strainers.	21d	50%	19-Dec-13 A	14-May-14	96d
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	
SHT1060-new	Mitered Bends Schedule and fabrication -8" Beit Ummar Local Network	21d	100%	23-Mar-14 A	30-Mar-14 A	
Procurements		105d		27-Jan-14 A	19-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	19-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	85%	27-Jan-14 A	19-May-14	0d
Delivery		0d		19-Feb-14 A	19-Feb-14 A	



Milestone Early Bar
Actual Work
Milestone Actual
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Early Bar
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Summary

Date	Revision	Checked	Approved
03-May-14			

APCO ArCon CONSTRUCTION AND SERVICES

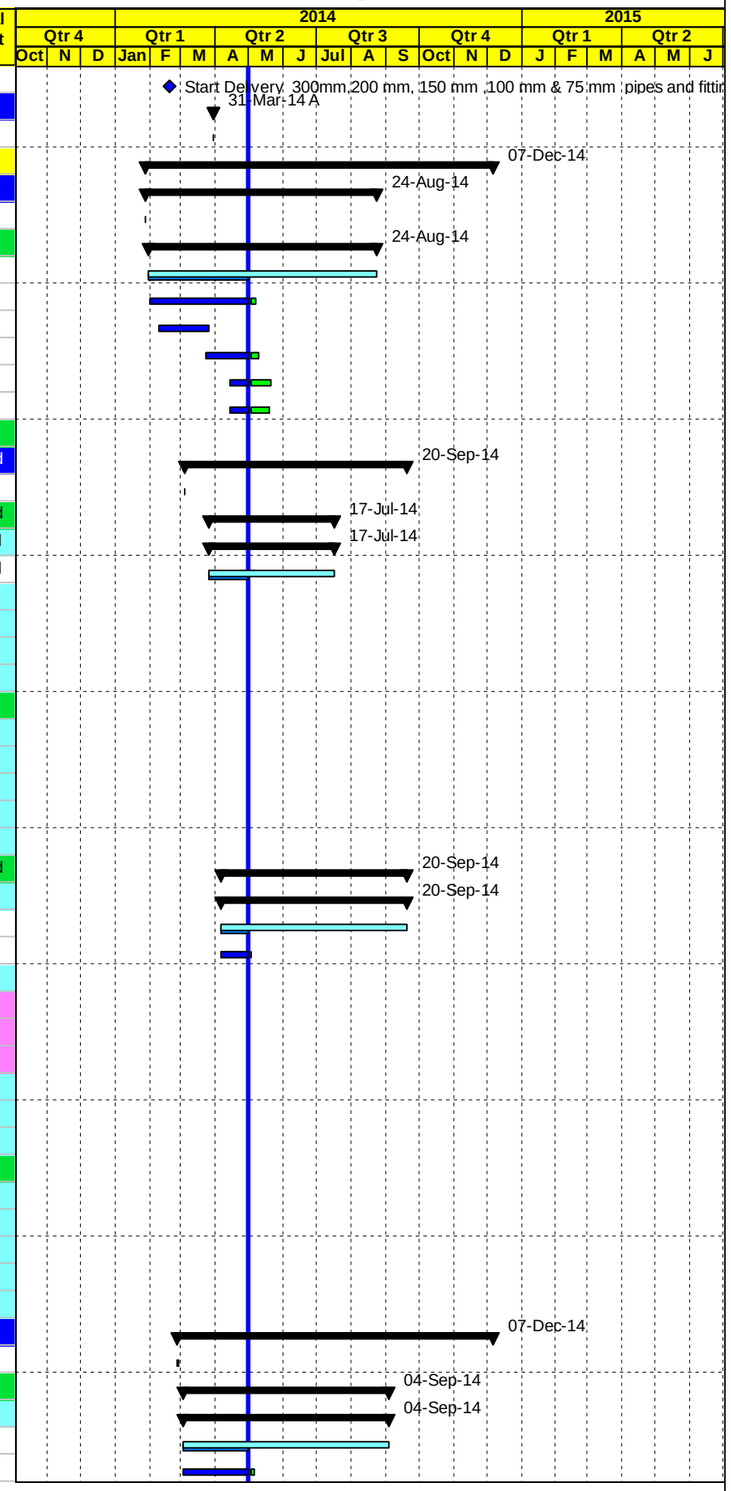
Construction Program

Completed & In Progress Activities

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
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	24-Aug-14	60d
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		30-Jan-14 A	24-Aug-14	48d
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	30%	30-Jan-14 A	24-Aug-14	48d
SHT1117	Structural excavation for retaining walls	21d	80%	01-Feb-14 A	07-May-14	48d
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	
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	21d	70%	23-Mar-14 A	10-May-14	54d
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	21d	20%	15-Apr-14 A	21-May-14	43d
SHT1389-new	Concrete retaining wall from sta. 7+290 to 7+390 LHS = length (100 LM)	21d	30%	15-Apr-14 A	19-May-14	45d
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		148d		04-Mar-14 A	20-Sep-14	109d
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		71d		25-Mar-14 A	17-Jul-14	152d
Safety, saw cut asphalt and milling		59d		25-Mar-14 A	17-Jul-14	117d
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	59d	0%	25-Mar-14 A	17-Jul-14	117d
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		147d		05-Apr-14 A	20-Sep-14	109d
Safety, saw cut asphalt and milling		112d		05-Apr-14 A	20-Sep-14	83d
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	112d	3.58%	05-Apr-14 A	20-Sep-14	83d
SHT1270	Road excavation and backfilling to the required sub grade levels	3d	70%	06-Apr-14 A	03-May-14	37d
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	80%	03-Mar-14 A	06-May-14	22d



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

Page 5 of 6

Date	Revision	Checked	Approved
03-May-14			

APCO ArCon CONSTRUCTION AND SERVICES

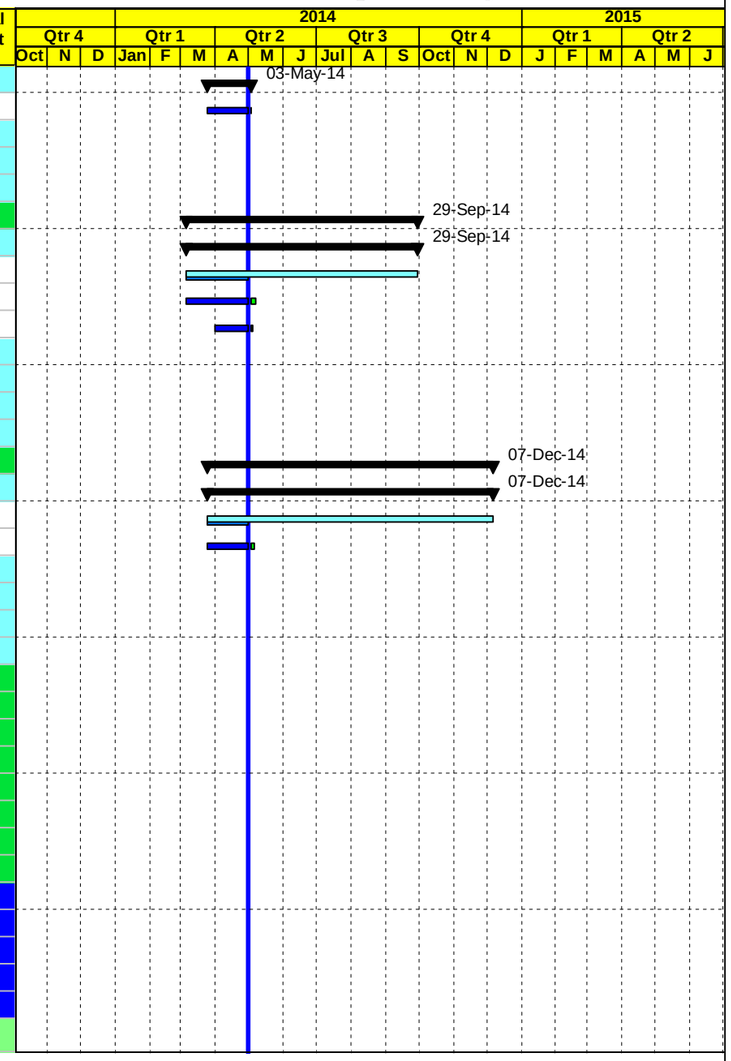
Construction Program

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		10d		25-Mar-14 A	03-May-14	21d
SHT1507-new	Rock breaking (Digging)	10d	90%	25-Mar-14 A	03-May-14	21d
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		193d		05-Mar-14 A	29-Sep-14	43d
Safety and Excavation Works		151d		05-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%	05-Mar-14 A	29-Sep-14	33d
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	80%	06-Mar-14 A	07-May-14	40d
SHT1587-new	Rock breaking (Digging)	10d	80%	01-Apr-14 A	04-May-14	38d
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	10%	24-Mar-14 A	07-Dec-14	33d
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	80%	25-Mar-14 A	06-May-14	14d
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		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



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

Date	Revision	Checked	Approved
03-May-14			

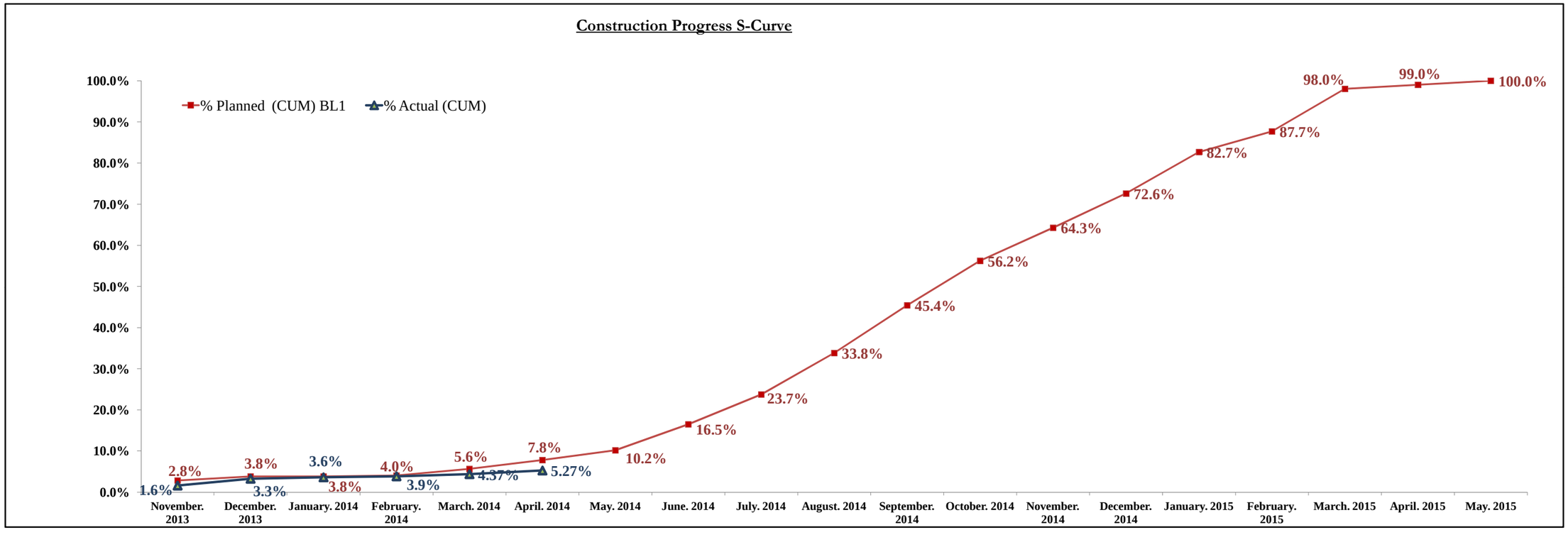
C | Progress S-Curve Versus Actual

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	$ 140,019														$ 822,948
Actual Value (CUM)	$ 251,915	$ 509,637	$ 564,751	$ 601,536	$ 682,929	$ 822,948														
% Actual	1.6%	1.7%	0.4%	0.2%	0.5%	0.9%														5.27%
% Actual (CUM)	1.6%	3.3%	3.6%	3.9%	4.37%	5.27%														



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
	SM-13-00016-SHT-E-C-001	Road Center Line from Sta.3+030 to Sta.3+800	SHT	02/09/14	Site Instruction
	SM-13-00016-SHT-E-C-002	Right of way from Sta.7+093 to Sta.7+196.5	SHT	03/02/14	Site Instruction
	SM-13-00016-SHT-E-C-003	Retaining Wall Design from Sta.7+200 to Sta.7+220	SHT	03/24/14	Site Instruction
	SM-13-00016-SHT-E-C-004	Joint Walkthrough Conducted on March 26,2014 from Sta.9+900 to Sta.11+460	SHT	04/15/14	Other
	SM-13-00016-SHT-E-C-005	Retaining Wall Parapet	SHT	04/23/14	Other
	SM-13-00016-SHT-E-C-006	Joint Walkthrough Conducted on March 23 and on April 24,2014 from Sta.3+900 to Sta.6+000	SHT	04/28/14	Record of Joint Walkthrough

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
	SM-13-00016-SHT-C-E-004	Israeli Contractor Works from Sta.0+000 to Sta.0+120 (Deir Shaar Main Pipeline Project)	SHT	04/09/14	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 Inspection	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 st.7+093 to st.7+170	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	25-Feb-14	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	1-Mar-14	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	3-Mar-14	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	1-Mar-14	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	3-Mar-14	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	2-Mar-14	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	3-Mar-14	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	4-Mar-14	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	5-Mar-14	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	6-Mar-14	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	8-Mar-14	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	9-Mar-14	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	9-Mar-14	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	9-Mar-14	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	9-Mar-14	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	9-Mar-14	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	9-Mar-14	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	11-Mar-14	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	11-Mar-14	11-Mar-14	0	A
	IR-13-00016-SHT-023-A	Inspection for Storage Yard.	17-Mar-14	17-Mar-14	17-Mar-14	0	C
	IR-13-00016-SHT-023-B	Inspection for Storage Yard.	24-Mar-14	24-Mar-14	24-Mar-14	0	C
	IR-13-00016-SHT-023-C	Inspection for Storage Yard.	31-Mar-14	31-Mar-14	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	18-Mar-14	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	19-Mar-14	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	23-Mar-14	24-Mar-14	1	A
	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	24-Mar-14	24-Mar-14	0	A
	IR-13-00016-SHT-028-A	Inspection for 8" pipes hand over	24-Mar-14	24-Mar-14	24-Mar-14	0	C
	IR-13-00016-SHT-028-B	Inspection for 8" pipes hand over	31-Mar-14	31-Mar-14	1-Apr-14	1	C

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-029-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st. 7+107 to st.7+118	24-Mar-14	24-Mar-14	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	24-Mar-14	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	24-Mar-14	24-Mar-14	0	A
	IR-13-00016-SHT-032-A	Inspection for fabrication of elbows in the workshop.	31-Mar-14	31-Mar-14	1-Apr-14	1	A
	IR-13-00016-SHT-033-A	Inspection the alignment of 8" pipeline & existing utilities at Beit Ummar Water Distribution Network before start excavation From Sta.0+000 to Sta.2+295	1-Apr-14	1-Apr-14	2-Apr-14	1	A
	IR-13-00016-SHT-034-A	Inspection for coordinates of edge of R.W. & formwork for the foundation before casting blinding concrete From St.7+445 to st.7+505	2-Apr-14	2-Apr-14	2-Apr-14	0	C
	IR-13-00016-SHT-034-B	Inspection for coordinates of edge of R.W. & formwork for the foundation before casting blinding concrete From St.7+449 to st.7+505	2-Apr-14	2-Apr-14	3-Apr-14	1	A
	IR-13-00016-SHT-035-A	Inspection for coordinates of road centerline & NGL level for A-Aroub Road from st. 0+000 to st. 1+225	3-Apr-14	3-Apr-14	3-Apr-14	0	A
	IR-13-00016-SHT-036-A	Inspection excavation reduce level from st.7+389 to st.7+419	7-Apr-14	7-Apr-14	8-Apr-14	1	A
	IR-13-00016-SHT-037-A	Inspection excavation reduce level From st.7+441 to st.7+449	7-Apr-14	7-Apr-14	8-Apr-14	1	A
	IR-13-00016-SHT-038-A	Inspection for formwork and coordinate outside edge of wall before casting blinding concrete from st.7+389 to st.7+419 and from st.7+441 to st.7+449	8-Apr-14	8-Apr-14	8-Apr-14	0	A
	IR-13-00016-SHT-039-A	Inspection for steel works & formwork for the wall of the retaining wall before casting concrete - Retaining Wall From st.7+445 to st.7+505	10-Apr-14	12-Apr-14	13-Apr-14	1	A
	IR-13-00016-SHT-040-A	Inspection for casting concrete for the retaining wall- Retaining Wall From st.7+445 to st.7+505	10-Apr-14	12-Apr-14	13-Apr-14	1	A
	IR-13-00016-SHT-041-A	Inspection for preparation & cleaning for walls & foundations before insulation of Nitoproof 230 from interior side up to 2m height from top of foundation Retaining Wall from st.7+097 to st.7+175	13-Apr-14	14-Apr-14	14-Apr-14	0	A
	IR-13-00016-SHT-042-A	Inspection for preparation & cleaning the expansion joints & construction joints before filling (Thioflex 600) for interior side Retaining Wall from st.7+097 to st.7+175	13-Apr-14	14-Apr-14	14-Apr-14	0	C
	IR-13-00016-SHT-042-B	Inspection for preparation & cleaning the expansion joints & construction joints before filling (Thioflex 600) for interior side Retaining Wall from st.7+097 to st.7+175	21-Apr-14	21-Apr-14	22-Apr-14	1	A
	IR-13-00016-SHT-043-A	Inspection for steel works & formwork for the retaining wall foundation before casting concrete - Retaining Wall From st.7+390.92 to st.7+418.5	14-Apr-14	13-Apr-14	14-Apr-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-044-A	Inspection for casting concrete for the retaining wall- Retaining Wall From st.7+390.92 to st.7+418.5	14-Apr-14	15-Apr-14	15-Apr-14	0	A
	IR-13-00016-SHT-045-A	Inspection for NGL level & Coordinates of edge of the wall. Retaining Wall from st.7+220 to st.7+375	16-Apr-14	16-Apr-14	16-Apr-14	0	A
	IR-13-00016-SHT-046-A	Inspection for steel works & formwork for the retaining wall foundation before casting concert- Retaining Wall From st.7+389.32 to st.7+390.92 & from st.7+439.66 to st.7+444.84 & Access road RHS at st.7+439.96	17-Apr-14	19-Apr-14	19-Apr-14	0	A
	IR-13-00016-SHT-047-A	Inspection for casting concrete for the retaining wall foundation - Retaining Wall From st.7+389.32 to st.7+390.92 & from st.7+439.66 to st.7+444.84 & Access road RHS at st.7+439.96	17-Apr-14	19-Apr-14	19-Apr-14	0	A
	IR-13-00016-SHT-048-A	Inspection for formwork and top level of the wall and the retaining wall before steel works from st.7+450 to st.7+460 & from st.7+470 to st.7+480	17-Apr-14	19-Apr-14	19-Apr-14	0	A
	IR-13-00016-SHT-049-A	Inspection for casting blinding concrete for the retaining wall foundation - from st.7+389.32 to st.7+390.92 & Access road at st.7+439.66	17-Apr-14	19-Apr-14	19-Apr-14	0	A
	IR-13-00016-SHT-050-A	Inspection for steel works for the wall of the retaining wall from st.7+447.37 to st.7+457.22 & from st.7+468.42 to st.7+479.12	21-Apr-14	21-Apr-14	22-Apr-14	1	A
	IR-13-00016-SHT-051-A	Inspection for excavation for the retaining wall to reduce level from st.7+320 to st. 7+370	24-Apr-14	24-Apr-14	04/24/14	0	A
	IR-13-00016-SHT-052-A	Inspection for formwork for the wall of the retaining wall before casting concrete - Retaining Wall from st.7+447.37 to st.7+457.22 & from st.7+468.42 to st.7+479.12	27-Apr-14	27-Apr-14	27-Apr-14	0	A
	IR-13-00016-SHT-053-A	Inspection for casting concrete for the wall of the retaining wall- Retaining Wall from st.7+447.37 to st.7+457.22 & from st.7+468.42 to st.7+479.12	27-Apr-14	27-Apr-14	27-Apr-14	0	A
	IR-13-00016-SHT-054-A	Inspection for formwork and coordinate of the wall foundation before casting blinding concrete - from st.7+347.92 to st.7+364.35 & from st.7+309.48 to st.7+347.92	27-Apr-14	27-Apr-14	27-Apr-14	0	A
	IR-13-00016-SHT-055-A	Inspection for casting blinding concrete for the wall foundation - from st.7+347.92 to st.7+364.35 & from st.7+309.48 to st.7+347.92	27-Apr-14	27-Apr-14	27-Apr-14	0	A
	IR-13-00016-SHT-056-A	Inspection request for 30" raw material to check and approve the steel (before manufacturing). Location METCO Storage Yard	28-Apr-14	30-Apr-14		PE	
	IR-13-00016-SHT-057-A	Inspection for steel works for the wall of the retaining wall from st.7+488.9 to st.7+500.14	28-Apr-14	28-Apr-14	28-Apr-14	0	A
	IR-13-00016-SHT-058-A	Inspection for insulation interior side up to 2m height from top of foundation using of Nitoproof 230- Retaining Wall from st.7+096 to st.7+175	30-Apr-14	30-Apr-14		PE	

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-059-A	Inspection for formwork for the wall of the retaining wall before casting concrete - Retaining Wall from st.7+488.9 to st.7+500.14	30-Apr-14	1-May-14		PE	
	IR-13-00016-SHT-060-A	Inspection for casting concrete for the wall of the retaining wall - Retaining Wall from st.7+488.9 to st.7+500.14	30-Apr-14	1-May-14		PE	
	IR-13-00016-SHT-061-A	Inspection for excavation for the retaining wall to reduce level from st.7+270 to st. 7+310	30-Apr-14	1-May-14		PE	
	IR-13-00016-SHT-062-A	Inspection for formwork and coordinate of the wall foundation before casting blinding concrete from st.7+270 to st. 7+310	30-Apr-14	1-May-14		PE	
	IR-13-00016-SHT-063-A	Inspection for casting blinding concrete for the wall foundation from st.7+270 to st. 7+310	30-Apr-14	1-May-14		PE	

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
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	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-026-D	Combination Air Valve-Non Slam-PN 16-25-A.I.R. -items No. 4.4.1,2,3,4	SHT	M	04/13/14	05/13/14	04/14/14	1	B
	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

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	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
	SUB-13-00016-SHT-031-B	Check Valve_ DN600 PN16-A.R.I_ item No. 4.2.6	SHT	M	04/15/14	05/15/14	04/17/14	2	B
	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-049-B	Subcontracting Plan	SHT	P	04/30/14	05/30/14		PE	
	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

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	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
	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 Ummar 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 Ummar town	SHT	P	02/24/14	03/26/14	03/02/14	6	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

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	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
	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-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 -For Engineering Record	SHT	S	04/07/14	05/07/14	04/10/14	3	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

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
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TASK ORDER #16, DER SHAAR WATER PIPELINE
Submittals Register Log

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	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
	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

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-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	04/08/14	8	B
	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
	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	04/02/14	17	B
	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-119-B	Shop Drawing: Retaining Wall from Sta.7+220 to Sta.7+376 LHS	SHT	S	04/02/14	05/02/14	04/10/14	8	C
	SUB-13-00016-SHT-119-C	Shop Drawing: Retaining Wall from Sta.7+220 to Sta.7+376 LHS	SHT	S	04/12/14	05/12/14	04/15/14	3	B
	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	04/02/14	3	B
	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-123-B	Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot.	SHT	M	04/03/14	05/03/14	04/07/14	4	B
	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-126-B	Dismantling Joint- Viking Johnson	SHT	M	04/19/14	05/19/14		PE	
	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	04/15/14	27	C
	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

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-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-133-B	Strainer- ARI- OF-20- PN 16 -item No. 4.2.4, 4.2.5 and 4.2.6	SHT	M	04/30/14	05/30/14		PE	
	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	04/07/14	7	C
	SUB-13-00016-SHT-135-C	Bolts, Nuts& washers-Factor for Mechanical Chambers	SHT	M	04/30/14	05/30/14		PE	
	SUB-13-00016-SHT-136-A	Manufacturer "Bermad" sizing of Deir Shaar Pressure Reducing Valve	SHT	M	03/24/14	04/23/14	04/07/14	14	B
	SUB-13-00016-SHT-137-A	Welders Performance Qualification Certificates	SHT	P	03/30/14	04/29/14	04/08/14	9	C
	SUB-13-00016-SHT-138-A	Risk Management Program -Al-Aroub Connection 4" & 6"	SHT	P	03/31/14	04/30/14	04/08/14	8	B
	SUB-13-00016-SHT-139-A	Shop Drawings: Water : Plan , Profile and Cross Section from Sta.1+200 to Sta.2+780	SHT	S	04/02/14	05/02/14	04/14/14	12	B
	SUB-13-00016-SHT-140-A	Shop Drawings: Retaining Wall from Sta.7+375 to Sta.7+391 LHS and from Sta.7+432 to Sta.7+438 LHS	SHT	S	04/03/14	05/03/14	04/15/14	12	C
	SUB-13-00016-SHT-140-B	Shop Drawings: Retaining Wall from Sta.7+374 to Sta.7+392 LHS and from Sta.7+433 to Sta.7+438 LHS	SHT	S	04/17/14	05/17/14	04/24/14	7	C
	SUB-13-00016-SHT-140-C	Shop Drawings: Retaining Wall from Sta.7+374 to Sta.7+392 LHS and from Sta.7+433 to Sta.7+438 LHS	SHT	S	04/30/14	05/30/14		PE	
	SUB-13-00016-SHT-141-A	Second source of base course -Roots Crusher Plant- Report No. ST/14078 1	SHT	M	04/06/14	05/06/14	04/08/14	2	B
	SUB-13-00016-SHT-142-A	Shop Drawings: Plan, Profile and Typical Section from Sta.0+000 to Sta.1+218-Beit Ummar Water distribution Network-Al Arrub Water Pipeline	SHT	S	04/07/14	05/07/14	04/16/14	9	C
	SUB-13-00016-SHT-142-B	Shop Drawings: Plan, Profile and Typical Section from Sta.0+000 to Sta.1+218-Beit Ummar Water distribution Network-Al Arrub Water Pipeline	SHT	S	04/27/14	05/27/14	04/29/14	2	C
	SUB-13-00016-SHT-143-A	Updated Construction Schedule and S-curve -March 2014	SHT	SCH	04/07/14	05/07/14	04/14/14	7	B
	SUB-13-00016-SHT-144-A	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 0+000 to St. 1+200.	SHT	S	04/13/14	05/13/14	04/14/14	1	C
	SUB-13-00016-SHT-145-A	Survey Plan from Sta. 9+890 to Sta. 11+463	SHT	P	04/13/14	05/13/14	04/22/14	9	C
	SUB-13-00016-SHT-145-B	Survey Plan from Sta. 9+890 to Sta. 11+463	SHT	P	04/28/14	05/28/14		PE	
	SUB-13-00016-SHT-146-A	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	SHT	S	04/15/14	05/15/14	04/17/14	2	C
	SUB-13-00016-SHT-147-A	Strainer-DVD-BOQ item No. 4.4.2 ,4.2.3 ,4.2.4 , 4.2.5, 4.2.6 and 4.2.7	SHT	M	04/15/14	05/15/14	04/17/14	2	C
	SUB-13-00016-SHT-147-B	Strainer-DVD-BOQ item No. 4.4.2 ,4.2.3 ,4.2.4 , 4.2.5, 4.2.6 and 4.2.7	SHT	M	04/27/14	05/27/14		PE	
	SUB-13-00016-SHT-148-A	Shop Drawings: Road Construction :Plan, Profile and Cross Section from Sta. 9+890 to Sta. 11+463	SHT	S	04/17/14	05/17/14	04/30/14	13	B

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
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	SUB-13-00016-SHT-149-A	Shrinkable Sheet Sample	SHT	M	04/22/14	05/22/14	04/30/14	8	D
	SUB-13-00016-SHT-150-A	Butterfly Valve-PN 16-Henry Pratt-BOQ items No. 4.2.5,4.2.6,4.3.1 and 4.6.2	SHT	M	04/28/14	05/28/14		PE	
	SUB-13-00016-SHT-151-A	Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 4.2.1,4.2.7 and 4.6.1	SHT	M	04/29/14	05/29/14		PE	
	SUB-13-00016-SHT-152-A	Bolts, washers and nuts- Buried pipe flanges-Factor	SHT	M	04/29/14	05/29/14		PE	
	SUB-13-00016-SHT-153-A	Survey Plan from Sta. 7+650 to Sta. 9+890	SHT	P	04/29/14	05/29/14		PE	
	SUB-13-00016-SHT-154-A	Revised Survey Plan from Sta. 4+200 to Sta. 5+700	SHT	P	04/30/14	05/30/14		PE	
	SUB-13-00016-SHT-155-A	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 3+900 to Sta. 4+950	SHT	S	04/30/14	05/30/14		PE	
	SUB-13-00016-SHT-156-A	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 4+950 to Sta. 6+000	SHT	S	04/30/14	05/30/14		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)

APCO ArCon CONSTRUCTION AND SERVICES

SUBMITTAL				TRACKING DATES				Approval Status
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 for Pad Concrete (Blinding) Report# BM/CT/14168 - 7 days	SHT	02/24/14	03/26/14	02/27/14	3	B
	TEST-13-00016-SHT-002-A	Steel at Halhul Site Report# BM/STL/14012 (25Ø)	SHT	02/25/14	03/27/14	02/27/14	2	B
	TEST-13-00016-SHT-003-A	Steel at Halhul Site Report# BM/STL/14015 (12,14,16,20 Ø)	SHT	02/25/14	03/27/14	02/27/14	2	B
	TEST-13-00016-SHT-004-A	Concrete Compressive Strength forFooting of the Retaining Between Stations (7+095-7+170) Report# BM/CT/14250 - 7 days	SHT	03/09/14	04/08/14	03/12/14	3	A
	TEST-13-00016-SHT-005-A	Concrete Compressive Strength for Pad Concrete (Blinding) Report# BM/CT/14168 - 28 days	SHT	03/16/14	04/15/14	03/16/14	0	A
	TEST-13-00016-SHT-006-A	Concrete Compressive Strength for Retaining Walls Between Stations (7+096-7+107) & (7+118-7+129)/Al Hawawreh Street/Halhoul CityReport# BM/CT/14301- 7days	SHT	03/18/14	04/17/14	03/18/14	0	A
	TEST-13-00016-SHT-007-A	Concrete Compressive Strength for Retaining Walls Between Stations (7+140-7+151) & (7+160-7+170)/Al Hawawreh Street/Halhoul City Report# BM/CT/14312- 7days	SHT	03/23/14	04/22/14	03/23/14	0	A
	TEST-13-00016-SHT-008-A	Concrete Compressive Strength for Footing of the Retaining Between Stations (7+095-7+170) Report# BM/CT/14250 - 28 days	SHT	04/01/14	05/01/14	04/02/14	1	A
	TEST-13-00016-SHT-009-A	Concrete Compressive Strength for Retaining Walls Between Stations (7+129-7+140) & (7+150-7+160) LHS/Al Hawawreh Street/Halhoul City- Report# BM/CT/14361- 7 days	SHT	04/09/14	05/09/14	04/13/14	4	A
	TEST-13-00016-SHT-010-A	Concrete Compressive Strength for Retaining Walls Between Stations (7+096-7+107) & (7+118-7+129)/Al Hawawreh Street/Halhoul City Report# BM/CT/14301 - 28 days	SHT	04/09/14	05/09/14	04/13/14	4	A
	TEST-13-00016-SHT-011-A	Concrete Compressive Strength for Retaining Wall Between Stations (7+107- 7+118)/Al Hawawreh Street/Halhoul City- Report# BM/CT/14354- 7 days	SHT	04/09/14	05/09/14	04/13/14	4	A
	TEST-13-00016-SHT-012-A	Concrete Compressive Strength Report for Retaining Walls Between Stations (7+140-7+151) & (7+160-7+170)/Al Hawawreh Street/Halhoul City. Report # BM/CT/14312- 28 days	SHT	04/10/14	05/10/14	04/13/14	3	A
	TEST-13-00016-SHT-013-A	Concrete Compressive Strength for Lean Pad Concrete for the Footing of the Retaining Wall Between Stations (7+449-7+505)/Al Hawawreh Street/Halhoul City. Report# BM/CT/14411- 7days	SHT	04/15/14	05/15/14	04/13/14	-2	A
	TEST-13-00016-SHT-014-A	Concrete Compressive Strength for Lean Pad Concrete for the Footings of the Retaining Walls Between Stations (7+389-7+420) & (7+441-7+449) /Al Hawawreh Street/Halhoul City. Report# BM/CT/14427- 7days	SHT	04/21/14	05/21/14	04/21/14	0	A
	TEST-13-00016-SHT-015-A	Steel Report# BM/STL/14025 (22Ø)	SHT	04/21/14	05/21/14	04/23/14	2	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 (SHT)

SUBMITTAL				TRACKING DATES				Approval Status
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-016-A	Concrete Compressive Strength for Retaining Wall Between Stations (7+107-7+118)/Al Hawawreh Street/Halhoul City- Report# BM/CT/14354- 28 days	SHT	04/24/14	05/24/14	04/29/14	5	A
	TEST-13-00016-SHT-017-A	Concrete Compressive Strength for Retaining Walls Between Stations (7+129-7+140) & (7+150-7+160) LHS/Al Hawawreh Street/Halhoul City- Report# BM/CT/14361 - 28 days	SHT	04/24/14	05/24/14	04/29/14	5	A
	TEST-13-00016-SHT-018-A	Concrete Compressive Strength for Footing of the Retaining Wall Between Stations (7+390-7+418) /Al Hawawreh Street/Halhoul City. Report# BM/CT/14457 - 7 days	SHT	04/24/14	05/24/14	04/29/14	5	A
	TEST-13-00016-SHT-019-A	Concrete Compressive Strength for Footing of the Retaining Walls Between Stations (7+445-7+505) /Al Hawawreh Street/Halhoul City. Report# BM/CT/14436 - 7 days	SHT	04/24/14	05/24/14	04/29/14	5	A

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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	04/07/14	8	Maher Awawdeh
	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	04/07/14	8	Maher Awawdeh
	RFI-13-00016-SHT-016	Structural excavation at Deir Sha'ar main pipeline project, TO # 16	SHT	04/17/14	05/17/14		PE	

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: April, 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	104	78	300	254	0	736	31	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							2060	87	
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.

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: April 01, 2014

PERIOD TO: April 30, 2014

DATE	Deir Sha'ar Main Pipe Line Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
April 1, 2014	4	3	13	8		28						
April 2, 2014	4	3	12	5		24						
April 3, 2014	4	3	13	8		28						
April 4, 2014	0	0	0	1		1						
April 5, 2014	4	3	16	9		32						
April 6, 2014	4	3	16	9		32						
April 7, 2014	4	3	16	9		32						
April 8, 2014	4	3	15	10		32						
April 9, 2014	4	3	14	13		34						
April 10, 2014	4	3	14	13		34						
April 11, 2014	0	0	0	1		1						
April 12, 2014	4	3	12	13		32						
April 13, 2014	4	3	9	11		27						
April 14, 2014	4	3	8	11		26						
April 15, 2014	4	3	13	11		31						
April 16, 2014	4	3	13	11		31						
April 17, 2014	4	3	14	11		32						
April 18, 2014	0	0	0	1		1						
April 19, 2014	4	3	14	11		32						
April 20, 2014	4	3	14	11		32						
April 21, 2014	4	3	8	6		21						
April 22, 2014	4	3	12	8		27						
April 23, 2014	4	3	10	8		25						
April 24, 2014	4	3	7	8		22						
April 25, 2014	0	0	0	1		1						
April 26, 2014	4	3	9	11		27						
April 27, 2014	4	3	9	11		27						
April 28, 2014	4	3	7	8		22						
April 29, 2014	4	3	7	8		22						
April 30, 2014	4	3	7	8		22						
	0	0	0	0		0						
Sub Total of April 2014	104	78	300	254	0	**736**						

Apr-14	**Total Job Days**	**No of Full Time Equivalent (FTE) Jobs**
	736	31

Daily Work Force /April 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 /April 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
April 1, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		40	32			32	8		8	8	8	4	3	13	8
	Subcontractor																												
April 2, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		48	16			8	8		8	8	8	4	3	12	5
	Subcontractor																												
April 3, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		40	32			32	8		8	8	8	4	3	13	8
	Subcontractor																												
April 4, 2014	APCO/ArCon																						8			0	0	0	1
	Subcontractor																												
April 5, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		60	32			32	16		8	8	8	4	3	16	9
	Subcontractor																												
April 6, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		60	32			32	16		8	8	8	4	3	16	9
	Subcontractor																												
April 7, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		60	32			32	16		8	8	8	4	3	16	9
	Subcontractor																												
April 8, 2014	APCO/ArCon		8	8		8		8		16	8		16	8		60	32			32	24		8	8	8	4	3	15	10
	Subcontractor																												
April 9, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		32	48			64	16		8	8	8	4	3	14	13
	Subcontractor																												
April 10, 2014	APCO/ArCon		8	8		8		8		16	8		24	8		28	48			64	16		8	8	8	4	3	14	13
	Subcontractor																												
April 11, 2014	APCO/ArCon																						8			0	0	0	1
	Subcontractor																												
April 12, 2014	APCO/ArCon		8	8		8		8		16	8		16	8		24	48			64	16		8	8	8	4	3	12	13
	Subcontractor																												
April 13, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	48			64			8	8	8	4	3	9	11
	Subcontractor																												
April 14, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		0	48			64			8	8	8	4	3	8	11
	Subcontractor																												
April 15, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	48			64			8	8	8	4	3	13	11
	Subcontractor																												
April 16, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	48			64			8	8	8	4	3	13	11
	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
April 17, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		48	48			64		8	8	8	4	3	14	11
	Subcontractor																											
April 18, 2014	APCO/ArCon																					8			0	0	0	1
	Subcontractor																											
April 19, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		48	48			64		8	8	8	4	3	14	11
	Subcontractor																											
April 20, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		48	48			64		8	8	8	4	3	14	11
	Subcontractor																											
April 21, 2014	Subcontractor		8	8		8		8		16	8		8	8		32	16			24		8	8	8	4	3	8	6
	Subcontractor																											
April 22, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		40	40			40		8	8	8	4	3	12	8
	Subcontractor																											
April 23, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		24	40			40		8	8	8	4	3	10	8
	Subcontractor																											
April 24, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	32			40		8	8	8	4	3	7	8
	Subcontractor																											
April 25, 2014	APCO/ArCon																					8			0	0	0	1
	Subcontractor																											
April 26, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	48			64		8	8	8	4	3	9	11
	Subcontractor																											
April 27, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	48			64		8	8	8	4	3	9	11
	Subcontractor																											
April 28, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	32			40		8	8	8	4	3	7	8
	Subcontractor																											
April 29, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	32			40		8	8	8	4	3	7	8
	Subcontractor																											
April 30, 2014	APCO/ArCon		8	8		8		8		16	8		8	8		8	32			40		8	8	8	4	3	7	8
	Subcontractor																											
																									0	0	0	0
Total																									104	78	300	254

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

			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

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

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/ CONSEQUENCE	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Design								0							
2									0							
3	Owner								0							
4	USAID								0							
5	Contractor	Delay in starting internal networks installation works	Absence of Task order Certified Welding Inspector.	H	Contractor / CMC	Progress Meeting	3	3	9	No cost impact	Delay in starting waterline installation work	Mitigate	APCO/ArCon submitted a replacement resume for USAID COR approval, approval was received on March 27th country clearance was received too. APCO is working on entry visa process.	Contactor	In progress, expected date of CWI arrival is May 10, 2014	
6	External								0							
7	Procurement	Progress in water works	Long lead delivery of steel pipes.	L	Contractor	Progress meetings	1	1	1	No cost impact	Not determined yet	Avoid	Purchase orders were issued, coordination with supplier to meet scheduled delivery dates.	Contractor	In progress, first 1,000 lm of 30" will be delivered in May 2014.	
8	Skills								0							
9	Complexity								0							
10	Resources								0							
11	Communications								0							
									0							