USAID | WEST BANK/GAZA

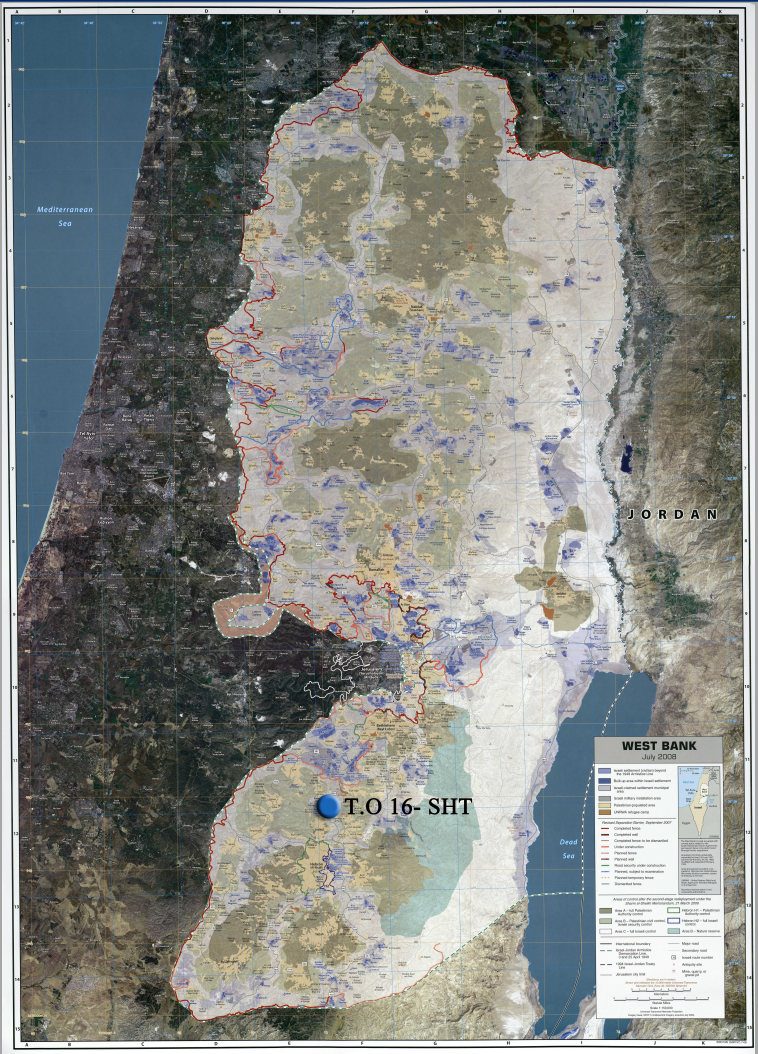
MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00016

Deir Sha'ar Main Pipeline Project (SHT)

APCO/ArCon

August, 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 Aug. 01, 2014 to Aug. 31, 2014

DISCLAIMER

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USAID Contract No.: 294-I-00-12-00005

TO No.: 13-00016

Contractor: APCO/ArCon Construction and Services

T.O Key Personnel:
Eng. Mohammad Halayqa
Eng. Nidal Marziq- Q.C.M through Aug. 27, 2014
Eng. Basel Abu Ghayyada- S.E.O
Eng. Fadi Najajrah- P.E
Eng. Vijay Kumar Alapati

Monthly Progress Report number 10

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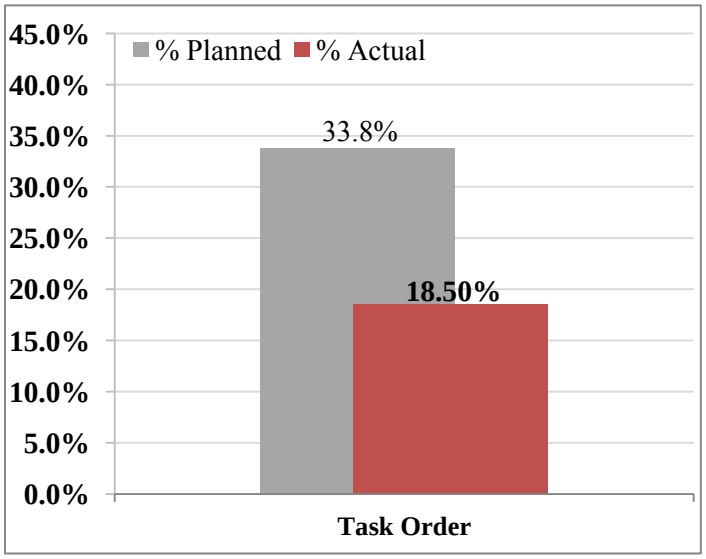
TASK ORDER OVERVIEW:

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	$15,822,399 (VO#01)
Modified Day Work	$689,815.00 (VO#01)
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	33.8%
Actual Percentage of Completion	18.5%
Total Float	-67 Days



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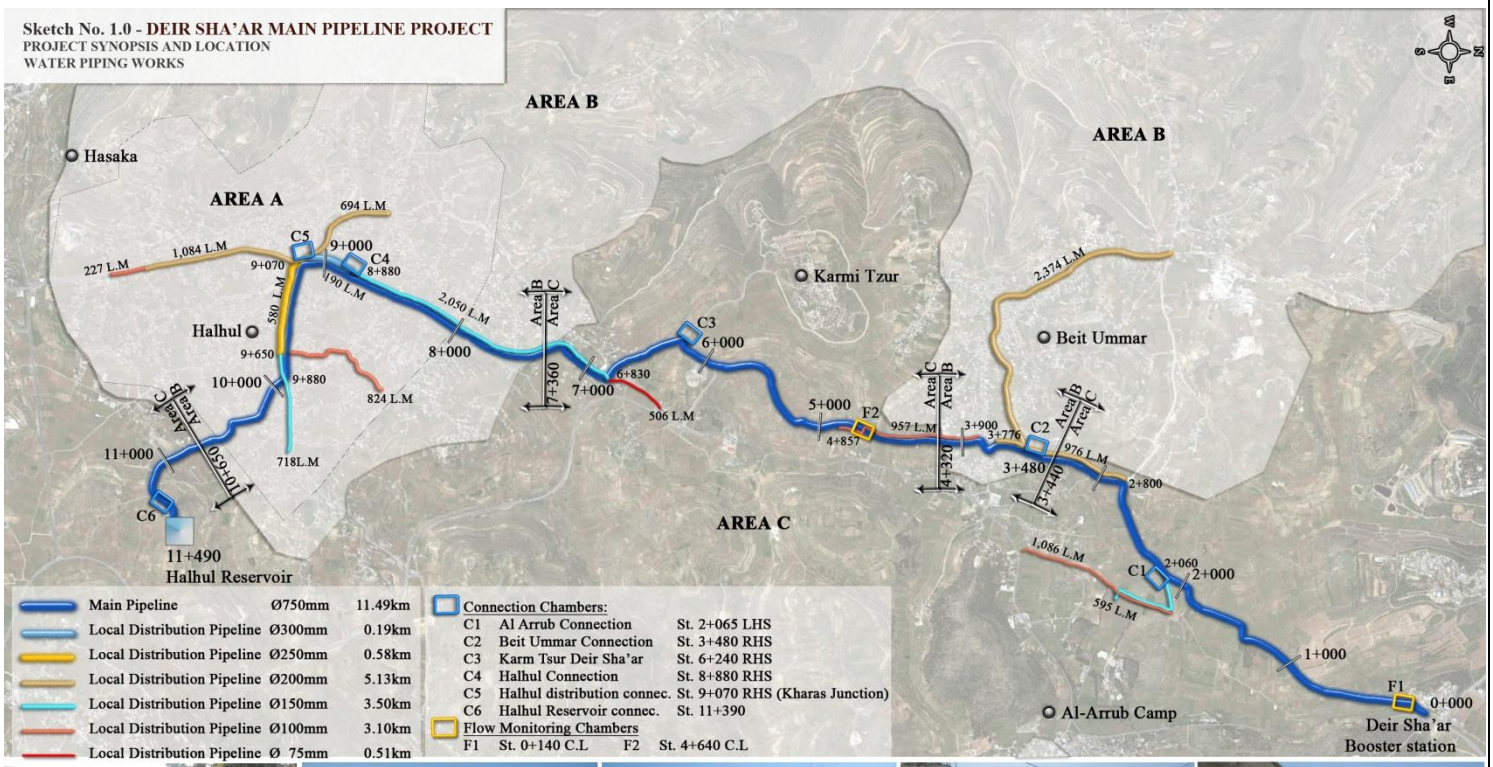
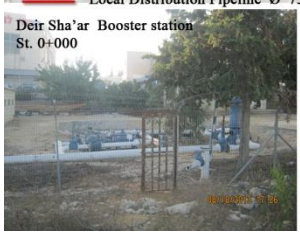
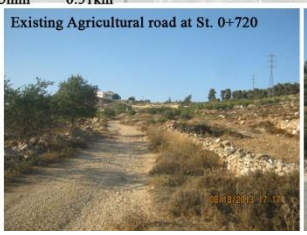
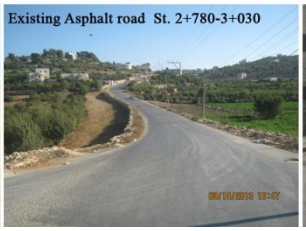


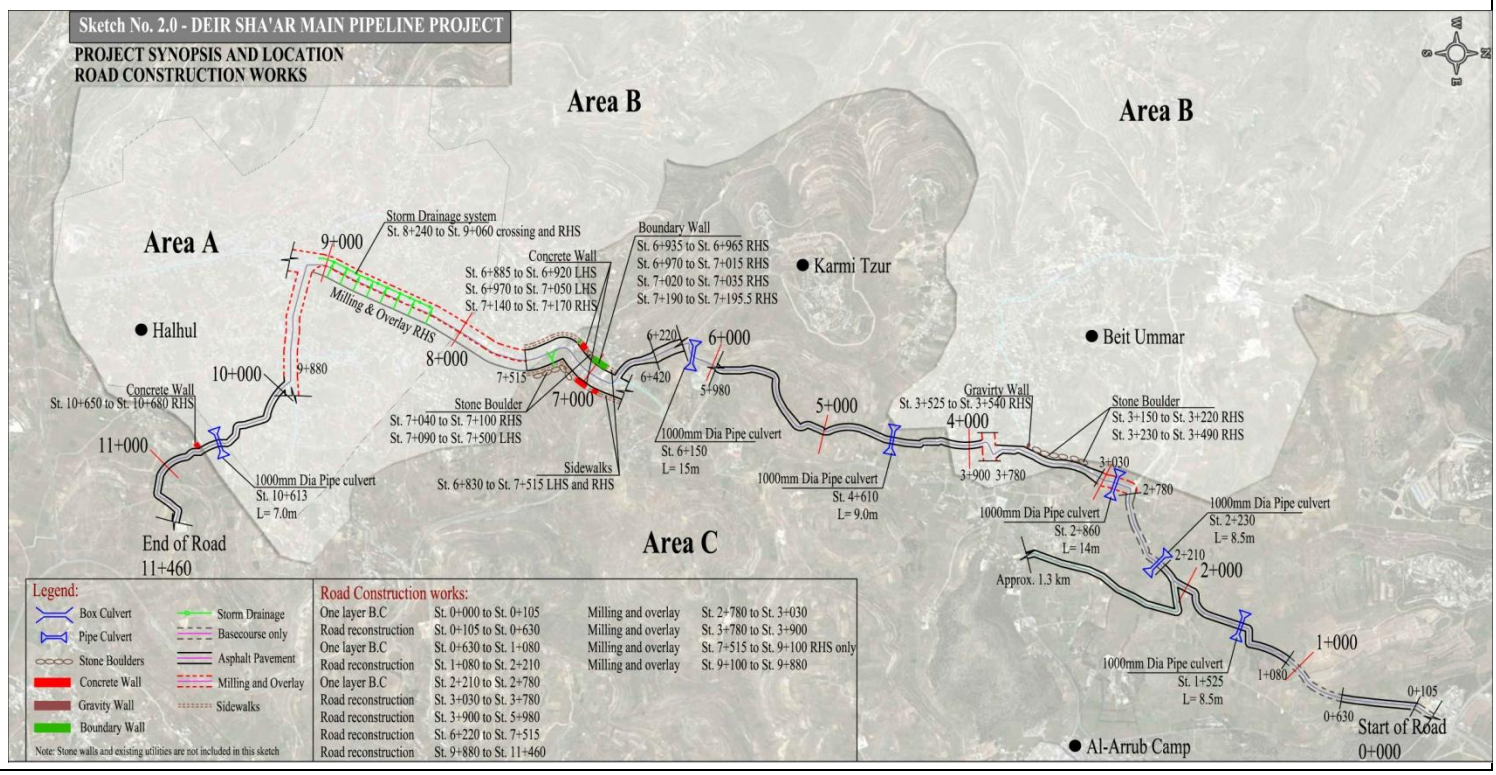

Deir Sha'ar Booster station
St. 0+000


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, no accidents were reported, zero Notices of Unsafe Condition (NUCs) were issued, and **2** safety toolbox talks were conducted for labors and staff as detailed in below safety toolbox log:

Date	Tool Box No.	Location	Description
August 06, 2014	STBM-00016-C-E-012	30" Main pipeline	Safety measures during 30" pipes loading, unloading, installation and welding.
August 07, 2014	STBM-00016-C-E-013	30" Main pipeline	Safety measures during 30" pipes loading, unloading, installation and welding.

Figure 01: Safety toolbox talk on August 06, 2014.

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 during this reporting period. APCO received July Environmental Checklist (ECL) on August 06, 2014. ECL recommendations were as the following: 1) flagmen shall be utilized whenever is needed 2) clean up all stumps, spoils and debris from all installed pipelines locations 3) restore all temporary storage yards to its original condition 4) remove asphalt materials to an approved dumping area and 5) recycle or store removed asphalt according to approved environmental mitigation plan. APCO responded to most of above mentioned recommendations and will follow-up remaining items and submit ECL closeout in September.

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 control plans for Halhul water distribution network - Zabbud water pipeline was submitted and approved on June 19th, 2014. Halhul water distribution network – Shahera water pipeline, traffic plan was submitted to CMC and returned back Action C (revise resubmit). Traffic Control Plan for Al Arrub internal networks was submitted on July 08, 2014 and returned back on July 09, 2014 as Action C (revise resubmit). Traffic control plan for Al Nabi Younes Intersection from St.9+040 to St. 9+100 was submitted and approved on July 15, 2014.
Traffic plans for road segments located in Area C were 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. Final written approval for Phase I was received from DCL on May 04th, 2014. Traffic plan for road and water works from St. 6+800 to St. 7+500 was prepared and submitted for CMC's approval on May 13th, 2014. APCO/ArCon is working on preparing and approving traffic plans for remaining road segments that are located in Area C and receiving the required approvals from the Traffic Department at ICA on traffic plans in Area C.

COMMUNITY OUTREACH, PUBLIC INFORMATION AND GENDER CONSIDERATION:
Coordination meetings with local councils, utility owners, public information and community outreach continued to be conducted during this reporting period as detailed below:

August 02, 2014	Meeting at Halhul municipality to discuss and coordinate the scheduled works of the 30" pipe 2nd crew at Al Nabi Younes intersection at Halhul.
August 06, 2014	Meeting at Jawwal Company located at Halhul main road where the 30" 2nd crew started construction.
August 06, 2014	Flyers distribution at Halhul stores and business owners nearby/along construction area.

Figure 02: Meeting at Halhul municipality to discuss and coordinate the scheduled works of the 30" pipe 2nd crew at Al Nabi Younes intersection at Halhul.

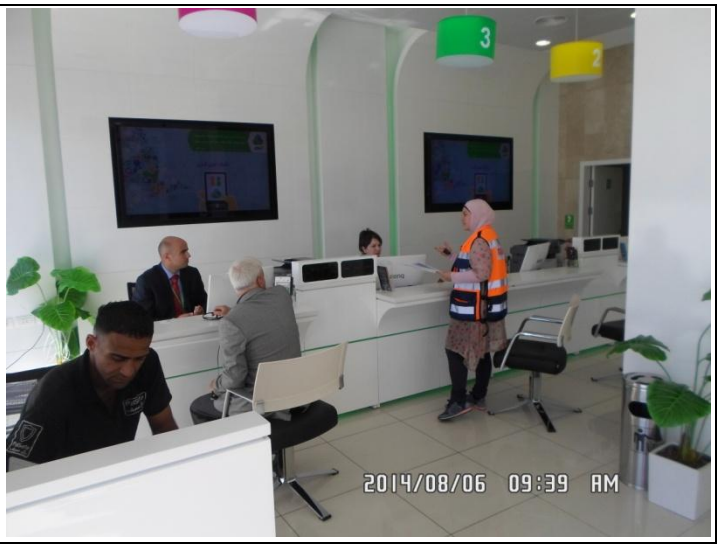

Figure 03: Meeting at Jawwal Company located at Halhul main road where the 30" 2nd crew started construction.

Figures 04 and 05: Flyers distribution at Halhul stores and business owners nearby/along construction area.

COORDINATION:

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

Date	Attendees	Subject	Description
August 06, 2014	USAID- Ms. Sonia Massis PWA- Taher Safi. Black & Veatch-, Adnan Safi, Maher Awawdeh, Israa Odeh & Ghaleb Najajra. APCO-Mohamad Halayqa, Mahmoud Jaradat, Ibrahim Hindi & Nidal Marziq	Progress bi-weekly Meeting	Review progress of work safety, quality and discuss project issues.
August 20, 2014	USAID- Ms. Sonia Massis PWA- Taher Safi. Black & Veatch- Maher Awawdeh, Malek Najajreh, Ghaleb Najajreh & Israa Odeh. APCO-Mohamad Halayqa & Nidal Marzeeq.	Progress bi-weekly Meetings	Review progress of work safety, quality and discuss project issues.

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Date	Attendees	Subject	Description
August 25, 2014	Beit Ummar Municipality- Mayor: Rashid Sabarneh. PWA- Taher Safi. Black and Veatch- Dr. Daoud Qawasmeh, Maher Awawdeh. APCO- Fadi Najajrah as on behalf of TOM Mohamad Halayqa.	Coordination Meeting	Discuss the issue of municipality stoppage of work in Beit Ummar Area.
August 26, 2014	USAID – Representative Black and Veatch – Representative APCO- Representative	Monthly Contracting Officers Meeting (All Task Orders)	Review progress of work safety, quality and discuss project issues.
August 30, 2014	Halhul Municipality- Mohamad Dheedel CHF- Samer Ghaith Technical Group- Noaman Al Hafez Black and Veatch- Maher Awawdeh , Faisal Taradeh	Coordination Meeting	Coordinate APCO construction works to make sure no conflict will occur with the installation of traffic lights by Global Community operations.
August 31, 2014	Beit Ummar Municipality- Mayor Rashed Sabarnah, Khilda Abu Ayyash, Nabeel Alqam. Black and Veatch- Maher Awawdeh APCO- Mohamad Halayqa.	Coordination Meeting	Discuss and share APCO work plan for the next two weeks within Beit Ummar area.

SITE VISITORS

During this reporting period, the following visits have occurred:

Date	Organization	Location	Description
Task Order 16			
August 04, 2014	USAID- Sonia Massis	All site	Site visit to follow-up work quality, safety and progress.
August 05, 2014	Halhul Municipality- Muder	Halhul at sta.7+220	Site visit to follow-up works at Halhul.
August 06, 2014	USAID- Sonia Massis PWA-Taher Safi	Beit Ummar & Halhul	Site visit to follow-up work quality, safety and progress.
August 18, 2014	USAID- Sonia Massis, Mark Peters and Peter Riley PWA- Taher Safi	30" main pipe line- Beit Ummar & Halhul	Site visit to follow-up work quality, safety and progress.
August 20, 2014	USAID-Sonia PWA- Taher Safi	Beit Ummar & Halhul	Site visit to follow-up work quality, safety and progress.
August 25 2014	Beit Ummar Municipality- Nasre Sabarna PWA-Taher Safi	Beit Ummar	Site visit to follow-up works at Beit Ummar.
August 26 2014	USAID- Sonia	Biet Ummer& Halhul	Site visit to follow-up work quality, safety and progress.

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

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

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PROGRESS and SCHEDULING:

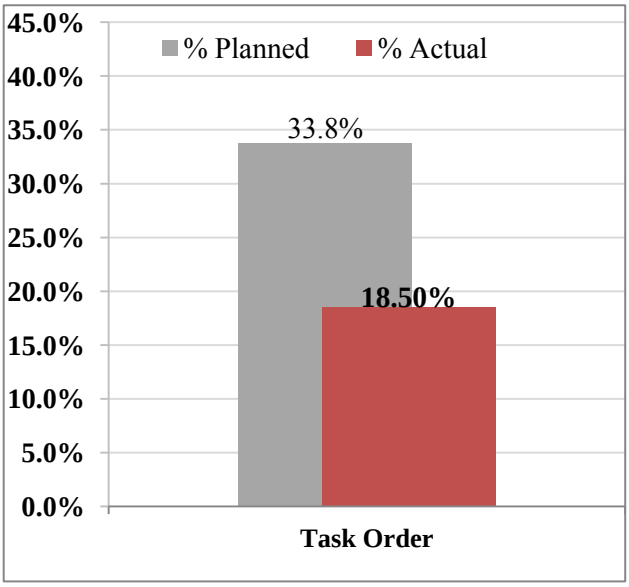
% of Completion:

- Survey works	94.0%
- Shop drawing preparation	80.0%
- Excavation	27%
- Basecourse 20cm	3.5%
- Concrete works	62%
- Installation steel pipes (100mm)	24.0%
- Installation steel pipes (150mm)	16.0%
- Installation steel pipes (200mm)	75.0%
- Installation steel pipes (760mm)	17.0%

Overall percentages of completion are :

Completion%	T.O
Planned %	33.8%
Actual %	18.5%
Total Float	-67 Days

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



Project is behind schedule due to previous months' delays, delay in starting the construction of chambers due to delay in shop drawings preparation and approval, and Halhul municipality request to postpone planned 30" 2nd crew works at Al Nabi Younes Intersection after Eid Al Fitr Holiday. 2nd crew started on August 10, 2014.
APCO is planning to mitigate above mentioned delays by increasing working hours and assigning a 3rd crew for 30" pipeline installation.

ACTIVITIES DURING THIS REPORTING PERIOD:

- Continue survey works.
- Continue preparation and submitting of material and shop drawing submittals.
- Continue implementation of traffic control plan.
- Continue delivery of pipes and fittings.
- Finish construction of concrete retaining wall from Sta.7+093 to Sta.7+237 LHS (100% complete)
- Finish construction of concrete retaining wall from Sta. Sta.7+237 to Sta.7+505 LHS (100% complete)
- Continue excavation of trench, bedding, installation of steel pipes and backfill for Shahira water distribution network from St.0+000 to St.1+218 (31% completed)
- Finish excavation of trench, bedding, and installation of steel pipes and backfill for Halhul water distribution network - Zaboud water pipeline (100% complete)
- Finish excavation of trench, bedding, installation of 760 mm steel pipes and backfill from St.0+143 to St.1+782 and St.9+026 to St.9+419. Total length of 30" pipes installed through end of August is 2032 L.m.
- Continue backfill selected material behind retaining wall from st.7+093 to st.7+505 (30% complete)
- Finish works of subgrade for Al-Arroub Network
- Construction of 20cm thick of base course layer at Al Arroub network road (90% complete)
- Continue works of sub grade for main pipeline 30" from St.1+100 to 0+700
- Continue construction of 4 chambers at Beit Ummar network (Gate valve chamber at St. 0+011 and 1+240, Washout chamber at St. 0+058 and air vent at St. 1+081) (30% complete).
- Continue works of sub grade at St.4+200 to St. 6+000
- Restoration works for trenches at Beit Ummar distribution network
- Restoration works for trenches over 30''pipeline at Halhul intersection

PLANNED ACTIVITIES FOR NEXT MONTH:

- Continue survey works, preparation and submitting of material and shop drawing submittals.
- Continue implementation of traffic control plan.
- Continue delivery of pipes and fittings.
- Continue excavation and installation in Shahira distribution network from Sta.0+385 to 1+225.
- Continue excavation and installation of 30" pipeline at Halhul from St. 9+027 to St..8+870
- Start civil work of chambers for main pipeline 30" from sta.0+200 to 1+200

- Continue excavation and installation in main pipeline 30" from St. 1+800 to St. 2+700.
- Start excavation and installation in main pipeline 30" from St.4+200 to St. 6+220.
- Restoration works for trenches at Shahira distribution network
- Continue works of sub grade from St. 4+200 to St.6+000.
- Start civil works of chambers for Al-Arroub Network.
- Continue works of sub grade and topping for main pipeline 30" from sta. 0+140 to 1+200.
- Construction of stone wall mock-up.

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	240
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	5
8	Accumulated non-working days (Holidays and weekends)	47
9	No. of other non-working days during this month**	0
10	Accumulated other non-working days	12

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 =6,007.9 ≈ 6,008 Man-Days (Audited up to July 31, 2013)
- Employment generated this month =1,732.9 ≈ 1,733 Man-Days
- Total cumulative employment generated to-date (Male and Female) =**7,740.8** ≈ 7,741 Man-Days
- Total cumulative female employment generated previously = 190.9 ≈191 Man-Days
- Total female employment generated this month=0 Hours = **0** Man-Days
- Total cumulative female employment to-date=1,527 Hours = **191** Man-Days

Total Job Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Job Days / 23.8)
Generated previously = 6,008 Man-days	Generated previously = 252.4 ≈ 252
During this reporting period = 1,733 Man-days	During this reporting period = 72.8 ≈73
Total generated to-date = **7,741** Man-days	Total generated to-date = **325.2 ≈ 325** (numbers are rounded to nearest FTE)

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SITE MEMO:

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

PROCUREMENT:

August 07, 2014	30" Pipes	QTY 121.80 l.m
August 10, 2014	30" Pipes	QTY 121.95 l.m
August 12, 2014	30" Pipes	QTY 60.92 l.m
August 13, 2014	30" Pipes	QTY 60.95 l.m
August 14, 2014	30" Pipes	QTY 121.88 l.m
August 17, 2014	30" Pipes	QTY 121.86 l.m
August 19, 2014	30" Pipes	QTY 121.84 l.m
August 21, 2014	30" Pipes	QTY 121.72 l.m
August 24, 2014	30" Pipes	QTY 121.83 l.m
August 26, 2014	30" Pipes	QTY 121.88 l.m
August 28, 2014	30" Pipes	QTY 73.17 l.m
August 28, 2014	12" Pipes	QTY 158.60 l.m

The Contractor obtained approvals on most long lead items (valves, fitting, etc.) except for bolts and gaskets, and in process of finalizing pricing with suppliers, long lead item schedule was submitted to BV and USAID on Aug. 25, 2014.

INSPECTION REQUEST:

Up to this reporting period **356** 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	356	356	0	295	0	54	7
%		100%	0.0%	82.9%	0.0%	15.2%	2.0%

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

Non Compliance Report Log - NCR -

No NCRs were issued during this reporting period.

QUALITY CONTROL AND TEST RESULTS:

Up to this reporting period **159** 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.	159	139	20	129	3	7	0	0
%		87.4%	12.6%	81.1%	1.9%	4.4%	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	102	91	0	11 pending submittal
Bedding Material Aggregates	Crushed Limestone Aggregates	12	2	0	Material passed but the 2 Submittals returned as R.R as the CMC requested to modify the stations.
Base Course	Base Course / Loose Sample	3	3	0	Material passed but the 2 Submittals returned as R.R as the CMC requested more data to be added to the reports description
Fill Materials	Single Size Aggregates	18	18	0	

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Material Description	Test description	Number of tests	Pass	Fail	Notes (Action taken for failed tests)
Radiographic Examination Interpretation	Welded Joints	5	1	2	2 pending submittals 2 Submittals were returned as revise resubmit, the CMC requested RT negative films and pipe book to be attached to the submittals. APCO submitted requested data for one submittal and will close the 2nd submittal during September.
Steel	Reinforcement Steel Bars	3	3	0	
Soil	Backfill aggregate comprehensive	1	1	0	
Asphalt	Bituminous mixture	4	2	0	2 pending submittals
Compaction	Field Density Test	3	0	0	3 pending submittals
Topping & Base course material	Soil Aggregate Material Test	8	6	0	2 pending submittals
Ultrasonic Inspection Report	Welded Joints	3	0	1	2 pending submittals One submittal was requested to be revised to include a pipe book and additional data. Submittal was revised according to CMC comments and submitted.

SUBMITTALS:

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

Up to this reporting period **360** 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.	360	348	12	16	177	123	4	28
%		96.7%	3.3%	4.4%	49.2%	34.2%	1.1%	7.8%
Total of Retracted submittals = 17								

RFI:

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

TRANSMITTALS:

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
August 05 ,2014	By Email	APCO/ArCon/ USAID	Progress payments
August 05 ,2014	By Email	USAID/ APCO/ArCon	Re: Progress payments
August 05 ,2014	By Email	APCO/ArCon/ USAID	T.O 16- Monthly Report- July 2014- Draft
August 10 ,2014	By Email	APCO/ArCon/ USAID	Progress payments
August 13 ,2014	By Email	USAID/ APCO/ArCon	Monthly Contracting Officer Meeting #11
August 16 ,2014	By Email	APCO/ArCon/ USAID	T.Os 12 and 16- COR comments on July Monthly Report
August 17 ,2014	By Email	USAID/ APCO/ArCon	Re: RT Testing- TO #16
August 20 ,2014	By Email	APCO/ArCon/ USAID	REMINDER: T.Os 12 and 16- COR comments on July Monthly Report
August 20 ,2014	By Email	USAID / APCO/ArCon	Re: T.Os 12 and 16- COR comments on July Monthly Report
August 22 ,2014	By Email	USAID / APCO/ArCon	Spot Check on the manpower generated for TO #13-00016 _July 14
August 22 ,2014	By Email	USAID / APCO/ArCon	COR Comments: T.O 16- Monthly Report- July 2014- Draft
August 26 ,2014	By Email	APCO/ArCon/ USAID	RE: COR Comments: T.O 16- Monthly Report- July 2014- Modified

Date	Contractor Trans. No.	Sender/Recipient	Subject
August 27 ,2014	By Email	USAID / APCO/ArCon	COR Approval: T.O 16- Monthly Report- July 2014- Modified
August 27 ,2014	By Email	USAID / APCO/ArCon	Posting the reports at the DEC
August 28 ,2014	By Email	USAID / APCO/ArCon	Progress Concern Regarding Task Order 13-00016
August 28 ,2014	By Email	APCO/ArCon/ USAID	RE: Posting the reports at the DEC
August 28 ,2014	By Email	USAID / APCO/ArCon	RE: Posting the reports at the DEC
August 31 ,2014	By Email	APCO/ArCon/ USAID	RE: Progress payments

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
August 03, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: First layer asphalt 8" pipeline
August 03, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: PM# 011 Agenda
August 03, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016 SHT: Slow rate of progress and delays
August 04, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016 SHT: Slow rate of progress and delays
August 04, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016 SHT: Slow rate of progress and delays
August 05, 2014	By Email	APCO/ArCon/B&V	30 inch Pipe Manufacturing
August 05, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Fabrication shop- Safety & Quality concerns
August 06, 2014	By Email	APCO/ArCon/B&V	T.O 16- Tees Butt and Fillet Welding WPS
August 07, 2014	By Email	APCO/ArCon/B&V	July 2014- Geo-MIS Data
August 07, 2014	By Email	APCO/ArCon/B&V	Planned Activities for Saturday Aug.9.2014
August 09, 2014	By Email	APCO/ArCon/B&V	RE: 30 inch Pipe Manufacturing
August 09, 2014	By Email	B&V/APCO/ArCon	RE: 30 inch Pipe Manufacturing
August 10, 2014	By Email	B&V/APCO/ArCon	RE: 30 inch Pipe Manufacturing
August 10, 2014	By Email	APCO/ArCon/B&V	REMINDER: T.O 16- Tees Butt and Fillet Welding WPS
August 10, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: Poor Fit-Up at Fabrication Yard
August 10, 2014	By Email	APCO/ArCon/B&V	TO 13-00016: 30" water line works from sta. 9+060 to sta. 9+072 Deir Shaar Project
August 10, 2014	By Email	APCO/ArCon/B&V	RT Testing
August 10, 2014	By Email	APCO/ArCon/B&V	FW: RT Testing- TO #16
August 10, 2014	By Email	APCO/ArCon/B&V	M. Jaradat, I. Hindi and A. Krunz
August 11, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: Draft MOM-13-00016-SHT-011-Aug 06, 2014
August 11, 2014	By Email	APCO/ArCon/B&V	Pipes installation at Halhul Intersection
August 11, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016: 30" water line works from sta. 9+060 to sta. 9+072 Deir Shaar Project
August 11, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016: 30" water line works from sta. 9+060 to sta. 9+072 Deir Shaar Project
August 11, 2014	By Email	B&V/APCO/ArCon	RE: RT Testing
August 11, 2014	By Email	B&V/APCO/ArCon	RE: RT Testing- TO #16
August 11, 2014	By Email	B&V/APCO/ArCon	RE: M. Jaradat, I. Hindi and A. Krunz
August 11, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 -Safety and Traffic Violations
August 12, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00016 -Safety and Traffic Violations
August 12, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: IR# 239-A
August 12, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00016 -Safety and Traffic Violations.
August 13, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: MOM-PM#011
August 13, 2014	By Email	B&V/APCO/ArCon	QCM offsite Inspections
August 13, 2014	By Email	B&V/APCO/ArCon	TO 13-00016-SHT: Unsafe Pipe Handling Practice
August 17, 2014	By Email	APCO/ArCon/B&V	T.O 16- Office Engineer Change
August 17, 2014	By Email	APCO/ArCon/B&V	RE: QCM offsite Inspections
August 17, 2014	By Email	APCO/ArCon/B&V	RE: RT Testing- TO #16
August 17, 2014	By Email	B&V/APCO/ArCon	RE: RT Testing- TO #16

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Date	Contractor Trans. No.	Sender/Recipient	Subject
August 18, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: PM-13-00016-SHT-012 Agenda
August 20, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Oversight Plan
August 21, 2014	By Email	APCO/ArCon/B&V	Planned Activities
August 21, 2014	By Email	APCO/ArCon/B&V	T.O 16- SUB-187-C - Tee Fabrication - Replacement
August 21, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT: Unsuitable Backfill Material at Sta. 7+430
August 24, 2014	By Email	APCO/ArCon/B&V	Obstacles and challenges from Beit Ummar Mayor
August 25, 2014	By Email	APCO/ArCon/B&V	RE: APCO Task Orders: Updates
August 25, 2014	By Email	APCO/ArCon/B&V	Stoppage Works
August 25, 2014	By Email	B&V/APCO/ArCon	TO13-00016SHT: Resume works at Beit Ummar
August 25, 2014	By Email	APCO/ArCon/B&V	Long Lead Mechanical Fittings and Accessories
August 25, 2014	By Email	APCO/ArCon/B&V	RE: TO13-00016SHT: Resume works at Beit Ummar
August 26, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: Draft MOM-13-00016-SHT-012-Aug 20, 2014
August 26, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-16 SHT: Geo-MIS Data Audit Meeting #3
August 27, 2014	By Email	APCO/ArCon/B&V	CO Meeting Presentation - Aug. 26, 2014
August 27, 2014	By Email	B&V/APCO/ArCon	TO 13-00016SHT:Beit Ummar 8" pipeline chambers
August 28, 2014	By Email	APCO/ArCon/B&V	FW: Bolts/Nuts
August 28, 2014	By Email	B&V/APCO/ArCon	RE: Bolts/Nuts
August 28, 2014	By Email	APCO/ArCon/B&V	Saturday Planned Activities
August 28, 2014	By Email	B&V/APCO/ArCon	TO 13-00016 SHT: MOM-13-00016-SHT-012-Aug 20, 2014

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	$ 59,047.20	April 30, 2014
03	May 07, 2014	$ 65,195.75	$0.00	$ 65,195.75	May 23, 2014
04	June 12, 2014	$ 260,650.49	$0.00	$ 260,650.49	June 27, 2014
05	July 17, 2014	$ 584,233.29	$0.00	$ 584,233.29	August 13, 2014
Total		**$1,534,140.18**	**$0.00**	**$1,534,140.18**	
APCO/ArCon total accrued expenditures			**$1,400,274.82**		

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				
01	Substitution of Concrete New Jersey Barriers with Steel Guardrails. New Definitive Quantities due to Substitution of Boulders Wall (Marabee) with Reinforced Concrete Walls and Correction of Typo Errors in the Bill of Quantities.	AP	AP	AP	June 23, 2014	July 02, 2014	S210,185.00	00

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

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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.	March 23, 2014	$0.00 Approved - VO#01	00 Day
02	New definitive quantities (Concrete, Steel Bar, Structural excavation, & Stone Boulders)	May 15, 2014	$465,250.00 Approved -VO#01	00 Day
03-A	New Item; 1) Construction of Road Embankment due to elimination of Stone Boulders with Concrete walls. 2) Asphalt reinstatement over trenches.	June 12, 2014	$534,110.12 Revise Resubmit	00 Day
03-B	New item- Asphalt restoration works over 8", 6", 4" and 3" water network trenches.	Aug. 20, 2014	$163,251.68 Revise Resubmit	00 Day

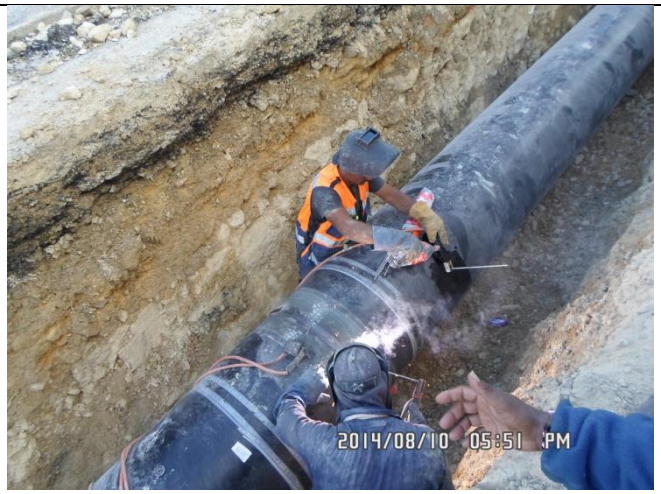
OBSTACLES AND CHALLENGES

Obstacle	Action
Delay in starting the 30" pipeline installation 2nd crew at Al Nabi Younes Intersection according to Halhul municipality request to postpone the planned activities after Eid Al Fitr Holiday as the area is dense with businesses and residents. APCO team was ready to start on July 14, 2014 but works were suspended.	Intensive coordination were conducted with BV team and Halhul municipality, a detailed fast track work plan (day and night) was prepared and submitted to the municipality for their approval, but the municipality rejected the plan and requested postponing the planned activities after Eid Holiday. Works started on Aug. 10, 2014. Issue resolved.
Stop order for all construction activities at Beit Ummar was issued by the municipality objecting on ICA request for no asphalt activities in dirty agricultural roads in Area C on August 25, 2014.	Intensive coordination between B&V, APCO, and Beit Ummar municipality were conducted immediately. All parties agreed that BV will seek USAID assistance to change ICA order and accordingly the contractor to resume works the next day. Issue was resolved with the municipality.
Work progress and recovery of previous month's delays.	APCO to submit a detailed work plan to BV and USAID detailing 30" pipeline installation work plan including the proposed 3rd crew and assigned resources to mitigate project delays.
Proposed changing in 30" pipeline route from St. 9+070 to Halhul reservoir in response to the Department of Wakif as the pipeline alignment pass near an existing cemetery. APCO received this change via. site memo No. SM-13-00016-SHT-E-C-017 on July 22, 2014.	APCO is waiting to receive revised design drawings for the mentioned pipeline segment.

PROGRESS PHOTOS:

30" and 8" pipe installation at Nabi Younes Intersection – Halhul.

Asphalt reinstatement for Beit Ummar internal network.

Basecourse preparation – Beit Ummar Al Arroub internal network.	Halhul internal network- Zaboud main pipeline digging at St. 0+650.
Ultrasonic testing for 30" welded joint.	Concrete retaining walls construction at Halhul- St. 7+211 LHS.
	
30" pipe installation and Welding.	Tee fabrication at Fabrication workshop- Halhul.

A | Materials- Equipment Receiving Log

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

Title: Equipment receiving log/August 2014

Date	Grader		Bob Cat		Road Marking Machine		Trailer		Compactor		JCB		Excavator		Trencher		Welding Machine		Bulldozer		MC Spraying Tank		Steel Roller		Truck		Crane		WATER TANK 10M3		Loader		Pick Up(4*4) or Van		Asphalt Steel Roller		Asphalt Finisher		Mercedes Benz Van		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	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle
1-Aug-14																																										
2-Aug-14		1	1								3		2		1		1								3					1					1				1		2	
3-Aug-14	1		1								2		2		1		1						1		3		1		1						1						2	
4-Aug-14	1		1								5		2				1						1		3			1	1						1				1		3	
5-Aug-14	1		1								5		3		1		1						1		6		1		1						1				1		1	
6-Aug-14	1		1								5		3		1		1						1		5				1						1				1		1	
7-Aug-14	1		1								2		1		1								1		2				1						1				1		1	
8-Aug-14																																										
9-Aug-14	1		1								3		3		1		1						1		5				1						1				1		1	
10-Aug-14	1		1								3		4		1		2						1		5				1						1				1		1	
11-Aug-14	1		1								3		4		1		2						1		5				1						2				1		1	
12-Aug-14	1		1								3		4				3						1		5		1		1						1				1		1	
13-Aug-14	1						1				3		4			1	3						1		4		1		1													
14-Aug-14	1										2		3			1	2						1		4		1		1													
15-Aug-14																																										
16-Aug-14	1										2		4			1	3						1		4		1		1													
17-Aug-14	1										2		4			1	3						1		4		1		1													
18-Aug-14	1		1								2		3			1							1		6				1						1						1	
19-Aug-14	1		2								2		2			1	3						1		4		1		1						1						1	
20-Aug-14	1		2								2		2			1	3						1		1		1		1						1						1	
21-Aug-14		1	1								2		3			1	2						1		5		1		1													
22-Aug-14																																										
23-Aug-14		1	2								3		3			1	2						1		5		1		1						1						1	
24-Aug-14	1		2								3		2		1		2						1		5		1		1						1				1		1	
25-Aug-14		1									2		3				2						1		4		1		1						2				1			
26-Aug-14	1										2		3				2		1				1		5		1		1										1			
27-Aug-14	1										2		3				2		1				1		6		1		1										1			
28-Aug-14	1		1								2		4				1		1				1		6		1		1										1			
29-Aug-14																																										
30-Aug-14	1		1								2		3				1		1				1		2		1		1						1				1		1	
31-Aug-14	1		1								2		5				1		1				1		4		1		1						1				1		1	

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

Title: Materials Receiving Log/ August , 2014

Date	Material Delivered to Site	Quantity
1-Aug		
2-Aug	Bedding material (Semsem)	120 m3
	Single size	100 m3
3-Aug	Bedding material (Semsem)	140 m3
	Single size	120 m3
	Concrete B250	11 m3
4-Aug	Bedding material (Semsem)	100 m3
	Single size	80 m3
5-Aug	Bedding material (Semsem)	40 m3
	Single size	20 m3
	Concrete B250	16 m3
	Asphalt	60 ton
6-Aug	Bedding material (Semsem)	20 m3
	Single size	20 m3
	Asphalt	20 ton
7-Aug	Bedding material (Semsem)	100 m3
	Single size	100 m3
	Concrete B250	11.5 m3
	30" Steel pipes	121.8 l.m
8-Aug		
9-Aug	Bedding material (Semsem)	100 m3
	Single size	120 m3
	Concrete B250	9.5 m3
10-Aug	Bedding material (Semsem)	200 m3
	Single size	200 m3
	Concrete B250	11.5 m3
	Concrete B300	30 m3
	30" Steel pipes	121.95 l.m
11-Aug	Bedding material (Semsem)	100 m3
	Single size	100 m3
	Base course	30 m3
	Concrete B250	7.5 m3
	Asphalt	50 ton
12-Aug	Bedding material (Semsem)	132 m3
	Single size	120 m3
	Base course	40 m3
	30" Steel pipes	60.92 l.m
	Concrete B250	7.5 m3
13-Aug	Bedding material (Semsem)	80 m3
	Single size	100 m3
	30" Steel pipes	60.95 l.m
	Base course	50 m3
14-Aug	Bedding material (Semsem)	60 m3
	Single size	60 m3
	30" Steel pipes	121.88 l.m
	Concrete B250	7.5 m3

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

Title: Materials Receiving Log/ August , 2014

Date	Material Delivered to Site	Quantity
15-Aug		
16-Aug	Bedding material (Semsem)	130 m3
	Single size	100 m3
	Concrete B200	3 m3
	Base course	40 m3
17-Aug	Bedding material (Semsem)	110 m3
	Single size	120 m3
	Concrete B250	13 m3
	Base course	60 m3
	30" Steel pipes	121.86 l.m
	Concrete B300	3 m3
18-Aug	Bedding material (Semsem)	80 m3
	Single size	60 m3
19-Aug	Bedding material (Semsem)	60 m3
	Single size	40 m3
	Bedding material (Semsem)	100 m3
	Single size	100 m3
	Concrete B250	20 m3
	30" Steel pipes	121.84 l.m
	Base course	60 m3
20-Aug	Bedding material (Semsem)	120 m3
	Single size	100 m3
	Concrete B300	14 m3
	Base course	60 m3
	Asphalt	57 m3
21-Aug	Bedding material (Semsem)	100 m3
	Single size	80 m3
	Base course	60 m3
	30" Steel pipes	121.72 l.m
	Concrete B350	4.5 m3
22-Aug		
23-Aug	Bedding material (Semsem)	140 m3
	Single size	110 m3
	Base course	80 m3
	Asphalt	64 ton
24-Aug	Bedding material (Semsem)	120 m3
	Single size	100 m3
	Base course material	60 m3
	Asphalt	15 ton
	30" Steel pipes	121.83 l.m
	Concrete B250	2.5 m3
25-Aug	Bedding material (Semsem)	100 m3
	Single size	80 m3
	Base course material	20 m3
	Concrete B350	4.5 m3
	Concrete B250	12 m3

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

Title: Materials Receiving Log/ August , 2014

Date	Material Delivered to Site	Quantity
26-Aug	Bedding material (Semsem)	120 m3
	Single size	100 m3
	30" Steel pipes	121.88 l.m
	Base course	80 m3
27-Aug	Bedding material (Semsem)	130 m3
	Single size	100 m3
	Base course	60 m3
	Concrete B250	6.5 m3
28-Aug	Bedding material (Semsem)	37 m3
	Single size	37 m3
	30" Steel pipes	73.17 l.m
	12" Steel pipes	158.60 l.m
	Base course material	37 m3
29-Aug		
30-Aug	Bedding material (Semsem)	80 m3
	Single size	76 m3
	Concrete B250	21 m3
31-Aug	Bedding material (Semsem)	119 m3
	Single size	102 m3
	Concrete B350	4.5 m3

B | Detailed Time Schedule for the Project

APCO/ArCon CONSTRUCTION AND SERVICES

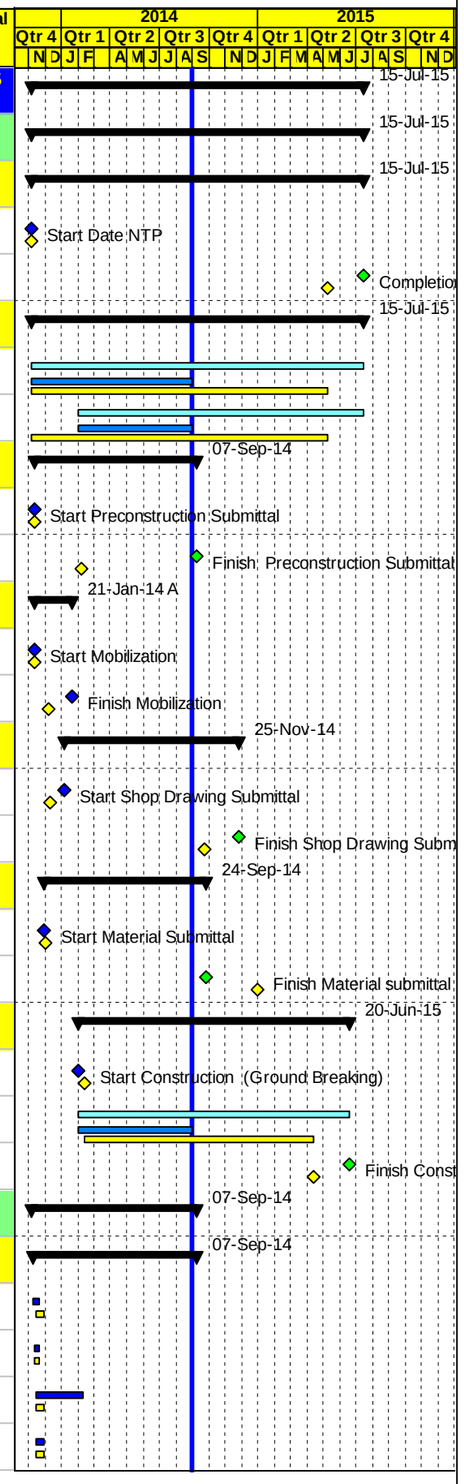
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
Deir Sha'aar Main Pipeline Project		617d		318d	06-Nov-13	09-May-15	06-Nov-13 A	15-Jul-15	-67d	$15,822,399	$2,934,415
Milestones		617d		318d	06-Nov-13	09-May-15	06-Nov-13 A	15-Jul-15	-67d	$0	$0
General Milestones		617d		0d	06-Nov-13	09-May-15	06-Nov-13 A	15-Jul-15	-67d	$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		15-Jul-15	-67d	$0	$0
Task order Duration		550d		318d	06-Nov-13	09-May-15	06-Nov-13 A	15-Jul-15	-67d	$0	$0
SHT0030	Project Duration (Calendar Days)	550d	42.2%	318d	06-Nov-13	09-May-15	06-Nov-13 A	15-Jul-15	-67d	$0	$0
SHT0040	Project Duration (Working Days)	425d	40.01%	255d	06-Nov-13	09-May-15	01-Feb-14 A	15-Jul-15	-58d	$0	$0
Pre Construction Milestones		215d		0d	10-Nov-13	05-Feb-14	10-Nov-13 A	07-Sep-14	174d	$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		07-Sep-14	174d	$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		269d		0d	10-Dec-13	24-Sep-14	07-Jan-14 A	25-Nov-14	129d	$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		25-Nov-14	129d	$0	$0
Material Milestones		229d		0d	01-Dec-13	30-Dec-14	28-Nov-13 A	24-Sep-14	176d	$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		24-Sep-14	176d	$0	$0
Construction Milestones		389d		233d	12-Feb-14	14-Apr-15	01-Feb-14 A	20-Jun-15	-57d	$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	29.84%	233d	12-Feb-14	14-Apr-15	01-Feb-14 A	20-Jun-15	-57d	$0	$0
SHT1110	Finish Construction Phase	0d	0%	0d		14-Apr-15		20-Jun-15	-57d	$0	$0
Pre Construction Phase		251d		7d	06-Nov-13	05-Feb-14	06-Nov-13 A	07-Sep-14	242d	$594,751	$594,751
Pre Construction Submittals		247d		7d	10-Nov-13	05-Feb-14	10-Nov-13 A	07-Sep-14	242d	$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
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
SHT0116	Field Offices Location & Layout	10d	100%	0d	14-Nov-13	27-Nov-13	13-Nov-13 A	27-Nov-13 A		$0	$0



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

Date	Revision	Checked	Approved
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

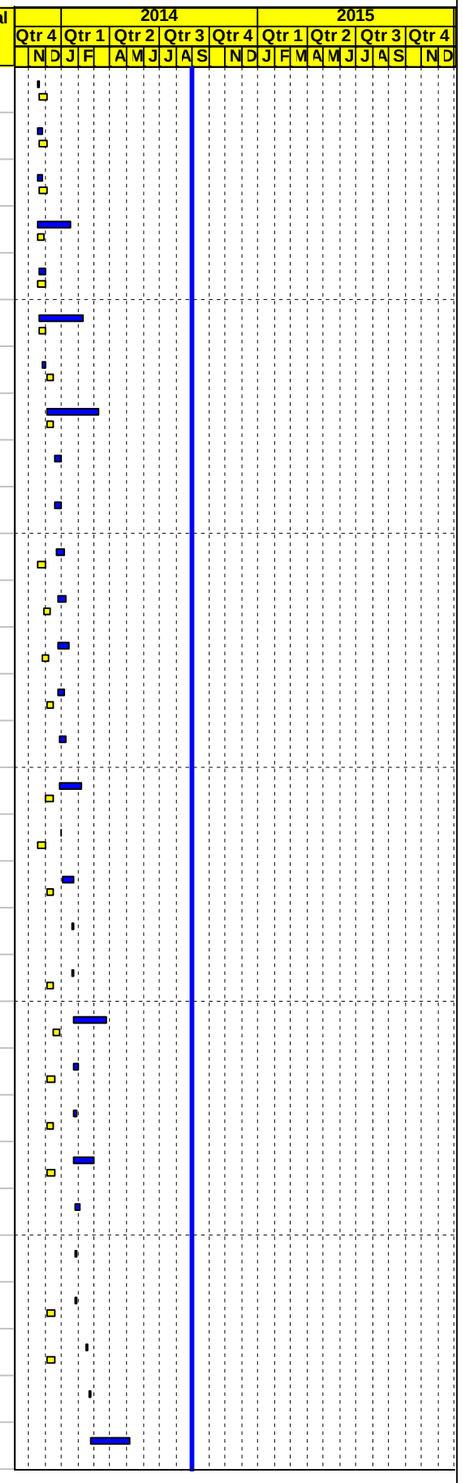
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual 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
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
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
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
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
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	08-May-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
02-Sep-14			

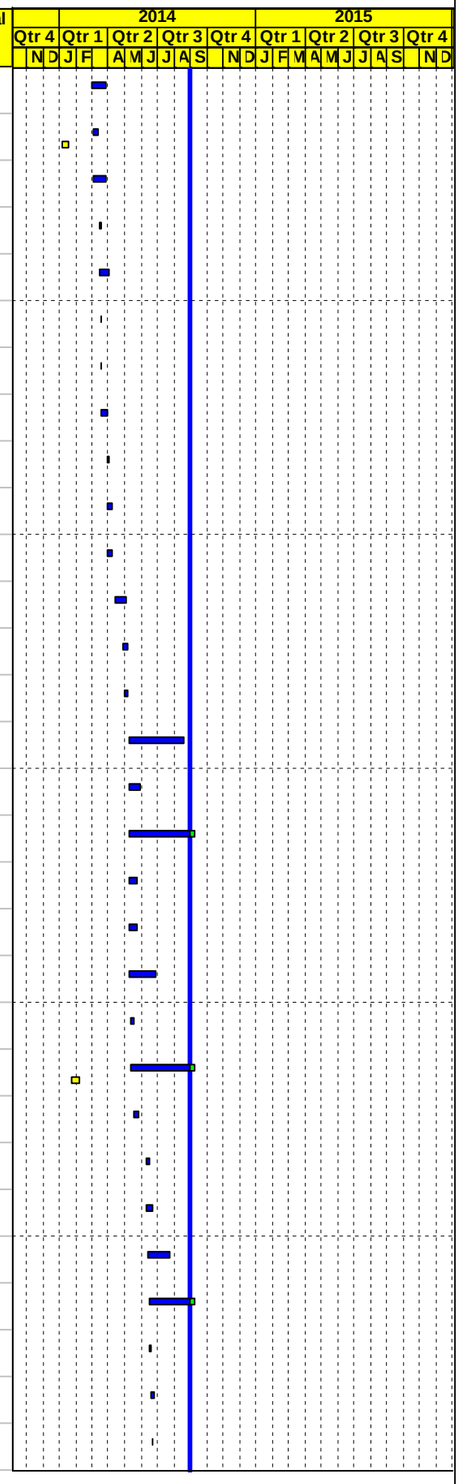
APCO ArCon
CONSTRUCTION AND SERVICES

Updated Construction Program

August 31, 2014

TO16
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
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	100%	0d			13-Apr-14 A	05-May-14 A		$0	$0
SHT0201-new	Survey Plan from Sta. 7+650 to Sta. 9+890	5d	100%	0d			29-Apr-14 A	08-May-14 A		$0	$0
SHT0209-new	Revised Survey Plan from Sta. 4+200 to Sta. 5+700	10d	100%	0d			30-Apr-14 A	08-May-14 A		$0	$0
SHT0202-new	Specific Method Statement -Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe Sch 20 /WT 12.7 mm	10d	100%	0d			11-May-14 A	20-Aug-14 A		$0	$0
SHT0204-new	30 inch Pipeline Entry -Safety Method Statement (Confined Space)	10d	100%	0d			11-May-14 A	29-May-14 A		$0	$0
SHT0205-new	Ultrasonic Flow Detector Machine and Technician Certificate	10d	50%	5d			11-May-14 A	07-Sep-14	174d	$0	$0
SHT0207-new	Internal Cement Lining Repair Method Statement	10d	100%	0d			11-May-14 A	26-May-14 A		$0	$0
SHT0208-new	Mortar Fill after welding / layback Space clousure Method Statement	10d	100%	0d			11-May-14 A	26-May-14 A		$0	$0
SHT0206-new	Pipes Loading & Unloading -Specific Method Statement	10d	100%	0d			11-May-14 A	29-Jun-14 A		$0	$0
SHT0178-new	Traffic Control Plan from Sta.6+800 to Sta.7+500	10d	100%	0d			13-May-14 A	20-May-14 A		$0	$0
SHT0167	U.T. testing entity's qualifications.	10d	50%	5d	23-Jan-14	05-Feb-14	14-May-14 A	07-Sep-14	174d	$0	$0
SHT0177-new	30 inch Pipe Welding Procedure Qualification Record	10d	100%	0d			18-May-14 A	28-May-14 A		$0	$0
SHT0180-new	Risk Management Program –Phase 02 from Sta.2+800 to Sta.6+800 and from Sta. 7 +515 to the End of the Project	10d	100%	0d			10-Jun-14 A	17-Jun-14 A		$0	$0
SHT0185-new	Specific Method Statement - 30" pipe installation 0+000 - 1+200	10d	100%	0d			11-Jun-14 A	24-Jun-14 A		$0	$0
SHT0190-new	Ultrasonic Weld Inspection Procedure 12" -30" Pipe line welds	10d	100%	0d			15-Jun-14 A	23-Jul-14 A		$0	$0
SHT0195-new	Traffic Control Plan from Sta.0+000 to Sta.1+350 -Halhul Water Distribution Network -Shahera Water Pipeline	10d	50%	5d			18-Jun-14 A	07-Sep-14	174d	$0	$0
SHT0220-new	Traffic Control Plan from Sta.0+000 to Sta.1+110 -Halhul Water Distribution Network -Zaboud Water Pipeline	10d	100%	0d			18-Jun-14 A	19-Jun-14 A		$0	$0
SHT0225-new	Dilapidation Survey- 8" Halhul Network (Zaboud)	10d	100%	0d			19-Jun-14 A	25-Jun-14 A		$0	$0
SHT0300-new	Qualified Welder Resume and Certificates (Jihad Ghatasheh)	10d	100%	0d			22-Jun-14 A	22-Jun-14 A		$0	$0



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
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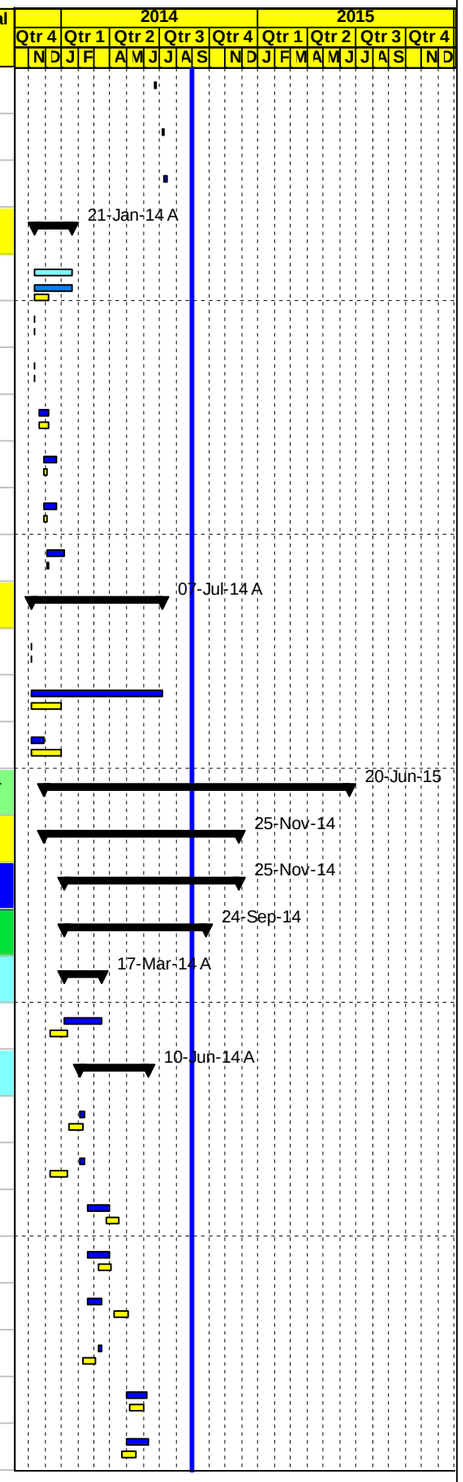
SHT0310-new	Risk Management Program - 8" Halhul Network (Zaboud)	10d	100%	0d			22-Jun-14 A	25-Jun-14 A		$0	$0
SHT0325-new	Traffic Control Plan for Al Arrub Water Networks	10d	100%	0d			08-Jul-14 A	09-Jul-14 A		$0	$0
SHT0326-new	Traffic Control Plan for Al Nabi Younes Intersection	10d	100%	0d			10-Jul-14 A	15-Jul-14 A		$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		0d	06-Nov-13	29-Dec-13	06-Nov-13 A	07-Jul-14 A		$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	100%	0d	06-Nov-13	29-Dec-13	06-Nov-13 A	07-Jul-14 A		$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		592d		293d	01-Dec-13	14-Apr-15	28-Nov-13 A	20-Jun-15	-42d	$15,078,961	$2,339,664
Construction Submittals		384d		85d	01-Dec-13	24-Sep-14	28-Nov-13 A	25-Nov-14	166d	$0	$0
Shop Drawing Submittals		384d		85d	10-Dec-13	24-Sep-14	07-Jan-14 A	25-Nov-14	166d	$0	$0
Plan Profile and Cross Sections		222d		21d	10-Dec-13	01-Jun-14	07-Jan-14 A	24-Sep-14	73d	$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		140d		0d	10-Dec-13	01-Jun-14	03-Feb-14 A	10-Jun-14 A		$0	$0
SHT0192	From St.0+630 to 1+200	21d	100%	0d	13-Jan-14	09-Feb-14	03-Feb-14 A	13-Feb-14 A		$0	$0
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	100%	0d	08-May-14	01-Jun-14	30-Apr-14 A	09-Jun-14 A		$0	$0
SHT0204	From St. 3+900 to 4+950	21d	100%	0d	23-Apr-14	18-May-14	30-Apr-14 A	10-Jun-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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Deir Sha'aar Main Pipeline Project

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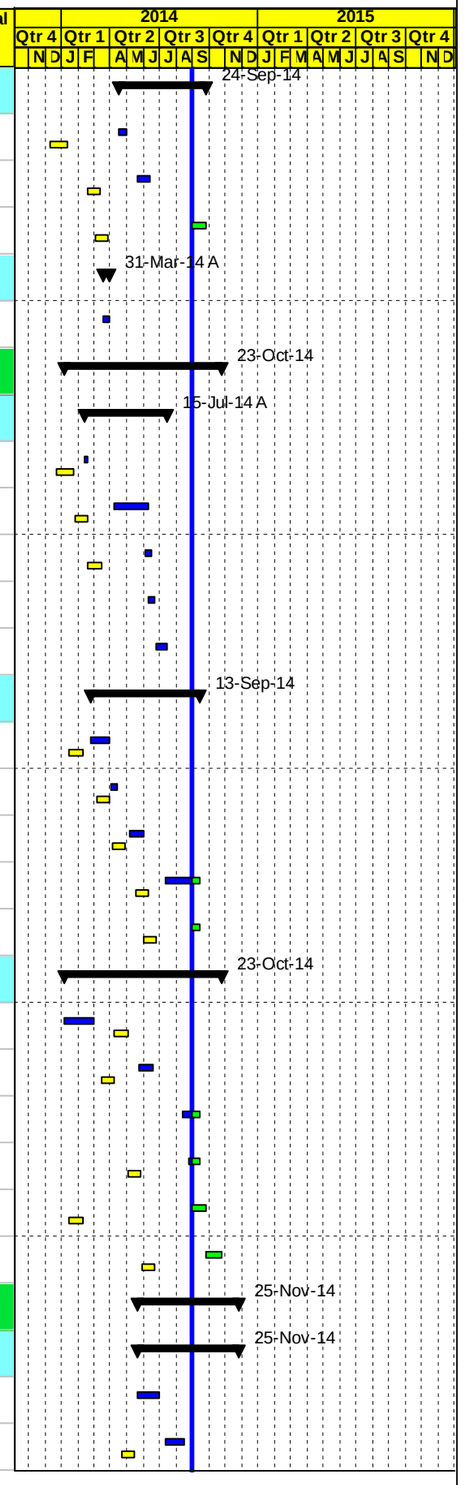
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		125d		21d	10-Dec-13	27-Mar-14	17-Apr-14 A	24-Sep-14	73d	$0	$0
SHT0210	From St. 11+460 to 09+890	21d	100%	0d	10-Dec-13	12-Jan-14	17-Apr-14 A	30-Apr-14 A		$0	$0
SHT0217	Milling and Overlay from Sta.7+515 to Sta.9+880	21d	100%	0d	17-Feb-14	13-Mar-14	22-May-14 A	15-Jun-14 A		$0	$0
SHT0218	From St.6+840 to 6+000	21d	0%	21d	03-Mar-14	27-Mar-14	01-Sep-14	24-Sep-14	73d	$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		235d		42d	22-Dec-13	25-Jun-14	07-Jan-14 A	23-Oct-14	155d	$0	$0
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		173d		0d	22-Dec-13	16-Mar-14	12-Feb-14 A	15-Jul-14 A		$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+218	21d	100%	0d	25-Jan-14	18-Feb-14	07-Apr-14 A	11-Jun-14 A		$0	$0
SHT0222	Zaboud Water Pipeline-Halhul Distribution Network from Sta.0+000 to Sta.1+110	21d	100%	0d	19-Feb-14	16-Mar-14	04-Jun-14 A	17-Jun-14 A		$0	$0
SHT0226-new	Water Distribution Network -Shahera Water Pipeline from Sta.0+000 to Sta.1+350-Halhul	21d	100%	0d			11-Jun-14 A	22-Jun-14 A		$0	$0
SHT0227-new	Structural and Mechanical Detail for valve chambers for 8" Zaboud Internal Network Water Pipeline	21d	100%	0d			26-Jun-14 A	15-Jul-14 A		$0	$0
Waterline from St. 0+000 to 5+980 PhaseThree		201d		11d	13-Jan-14	25-Jun-14	24-Feb-14 A	13-Sep-14	61d	$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
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
SHT0232	Waterline From St. 2+780 to 3+900	21d	100%	0d	05-Apr-14	29-Apr-14	07-May-14 A	01-Jun-14 A		$0	$0
SHT0238	Waterline From St. 3+900 to 4+950	21d	50%	11d	19-May-14	11-Jun-14	13-Jul-14 A	13-Sep-14	36d	$0	$0
SHT0240	Waterline From St. 4+950 to 6+000	21d	50%	11d	02-Jun-14	25-Jun-14	31-Aug-14 A	13-Sep-14	61d	$0	$0
Waterline from St. 11+460 to 5+980 Phase Four		78d		42d	13-Jan-14	22-Jun-14	07-Jan-14 A	23-Oct-14	155d	$0	$0
SHT0254	Waterline From St.7+515 to 6+840	21d	100%	0d	08-Apr-14	04-May-14	07-Jan-14 A	03-Mar-14 A		$0	$0
SHT0252	Waterline:Typical Section from Sta.8+700 to Sta.9+300	21d	100%	0d	15-Mar-14	07-Apr-14	26-May-14 A	19-Jun-14 A		$0	$0
SHT0268-new	Waterline from Sta.9+090 to Sta.9+450 - New Alignment for water pipe line	21d	50%	11d			14-Aug-14 A	13-Sep-14	186d	$0	$0
SHT0256	Waterline From St.7+500 to 8+700	21d	50%	11d	05-May-14	28-May-14	24-Aug-14 A	13-Sep-14	84d	$0	$0
SHT0244	Waterline From St. 11+460 to 9+450	21d	0%	21d	13-Jan-14	09-Feb-14	01-Sep-14	24-Sep-14	31d	$0	$0
SHT0258	Waterline From St. 6+840 to 6+000	21d	0%	21d	29-May-14	22-Jun-14	25-Sep-14	23-Oct-14	73d	$0	$0
Connection and Valves Chambers		138d		68d	10-Feb-14	22-Jul-14	21-May-14 A	25-Nov-14	129d	$0	$0
Civil and Mechanical		138d		68d	10-Feb-14	22-Jul-14	21-May-14 A	25-Nov-14	129d	$0	$0
SHT0259-new	Structural and Mechanical Detail for valve chambers for 8" Beit Ummar Internal Network Water Pipeline	21d	100%	0d			21-May-14 A	02-Jul-14 A		$0	$0
SHT0276	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	100%	0d	21-Apr-14	15-May-14	13-Jul-14 A	18-Aug-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

Date	Revision	Checked	Approved
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

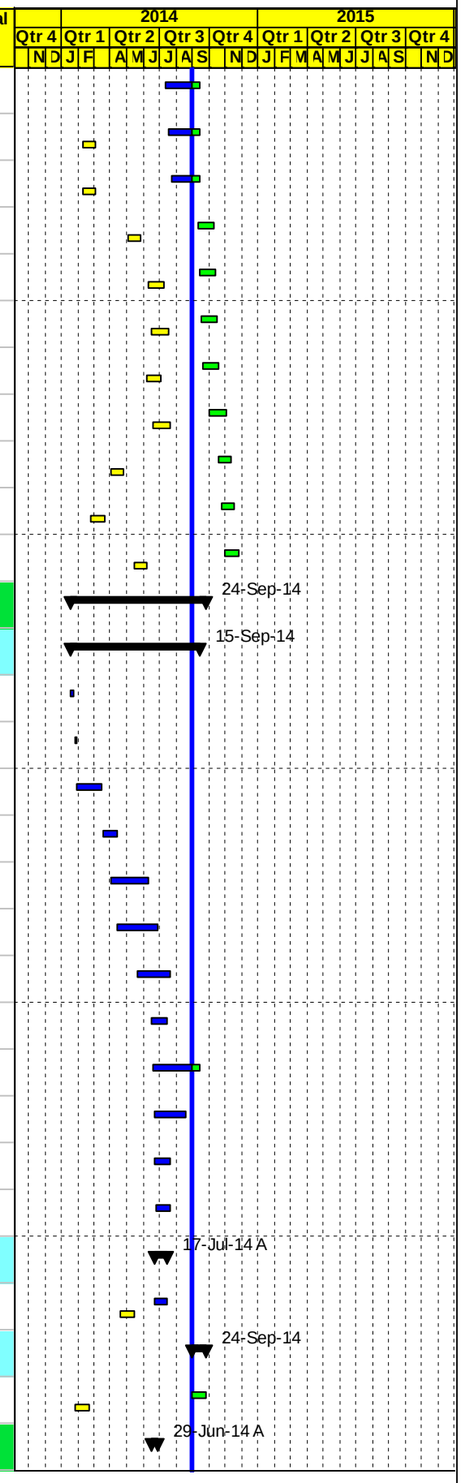
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT0269-new	Structural and Mechanical Detail for Woushout Chamber at Sta.0+620 & ARV Valve Chamber @ Sta.0+743	21d	50%	11d			14-Jul-14 A	13-Sep-14	6d	$0	$0
SHT0259	Structural and Mechanical detail For Woushout Chamber For 30"*10" at Sta.7+223& Wash out chamb For 6"*3" at Sta.7+23	21d	50%	11d	10-Feb-14	05-Mar-14	20-Jul-14 A	13-Sep-14	-24d	$0	$0
SHT0267	Structural and Mechanical detail For Deir Sha'ar Connection Chamber @ Sta.0+155	21d	50%	11d	10-Feb-14	05-Mar-14	24-Jul-14 A	13-Sep-14	-36d	$0	$0
SHT0278	Halhul connection chamber @ sta. 8+890	21d	0%	21d	04-May-14	27-May-14	11-Sep-14	11-Oct-14	74d	$0	$0
SHT0279	Beit Ummar Flow monitoring chamber @ sta. 4+640	21d	0%	21d	12-Jun-14	10-Jul-14	13-Sep-14	12-Oct-14	51d	$0	$0
SHT0281	Beit Ummar connection chamber @ sta. 3+480	21d	0%	21d	17-Jun-14	17-Jul-14	17-Sep-14	16-Oct-14	51d	$0	$0
SHT0288	Surge tank detail	21d	0%	21d	08-Jun-14	03-Jul-14	21-Sep-14	20-Oct-14	108d	$0	$0
SHT0282	Compressor detail	21d	0%	21d	19-Jun-14	22-Jul-14	02-Oct-14	01-Nov-14	108d	$0	$0
SHT0273	Al Arrub Connection chamber @ Sta. 2+065	21d	0%	21d	01-Apr-14	26-Apr-14	19-Oct-14	12-Nov-14	-4d	$0	$0
SHT0270	Halhul reservoir connection chamber @ Sta.11+390	21d	0%	21d	24-Feb-14	20-Mar-14	25-Oct-14	18-Nov-14	2d	$0	$0
SHT0287	karmi Tzur connection chamber	21d	0%	21d	15-May-14	08-Jun-14	30-Oct-14	25-Nov-14	129d	$0	$0
Concrete walls		323d		24d	26-Jan-14	14-May-14	16-Jan-14 A	24-Sep-14	225d	$0	$0
Concrete walls Phase One		275d		15d			16-Jan-14 A	15-Sep-14	235d	$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	17-Mar-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	100%	0d			03-Apr-14 A	11-Jun-14 A		$0	$0
SHT0313-new	Retaining Wall from Sta.7+200 to Sta.7+220 LHS	21d	100%	0d			14-Apr-14 A	29-Jun-14 A		$0	$0
SHT0309-new	Retaining Wall at the access road at Sta.7+185 LHS	21d	100%	0d			22-May-14 A	22-Jul-14 A		$0	$0
SHT0312-new	Boundary Wall from Sta.6+935 to Sta.6+966 RHS and Retaining Wall from Sta.6+971 to Sta.7+036 RHS	21d	100%	0d			16-Jun-14 A	16-Jul-14 A		$0	$0
SHT0314-new	Retaining Wall from Sta.7+425 to Sta.7+430 RHS	21d	50%	11d			19-Jun-14 A	15-Sep-14	169d	$0	$0
SHT0315-new	Retaining Wall from Sta.3+226.97 to Sta.3+295 RHS	21d	100%	0d			22-Jun-14 A	20-Aug-14 A		$0	$0
SHT0316-new	Retaining Wall from Sta.6+873 to Sta.6+950 LHS	21d	100%	0d			23-Jun-14 A	20-Jul-14 A		$0	$0
SHT0318-new	Retaining Wall from Sta.3+380 to Sta.3+464.92 RHS	21d	100%	0d			26-Jun-14 A	21-Jul-14 A		$0	$0
Concrete walls Phase Three		21d		0d	19-Apr-14	14-May-14	24-Jun-14 A	17-Jul-14 A		$0	$0
SHT0313	Concrete Gravity Wall from Sta.3+523 to Sta.3+537 RHS and from Sta.3+555 to Sta.3+573 RHS	21d	100%	0d	19-Apr-14	14-May-14	24-Jun-14 A	17-Jul-14 A		$0	$0
Concrete walls Phase Four		21d		21d	26-Jan-14	19-Feb-14	01-Sep-14	24-Sep-14	69d	$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	01-Sep-14	24-Sep-14	69d	$0	$0
Stone Walls		5d		0d			18-Jun-14 A	29-Jun-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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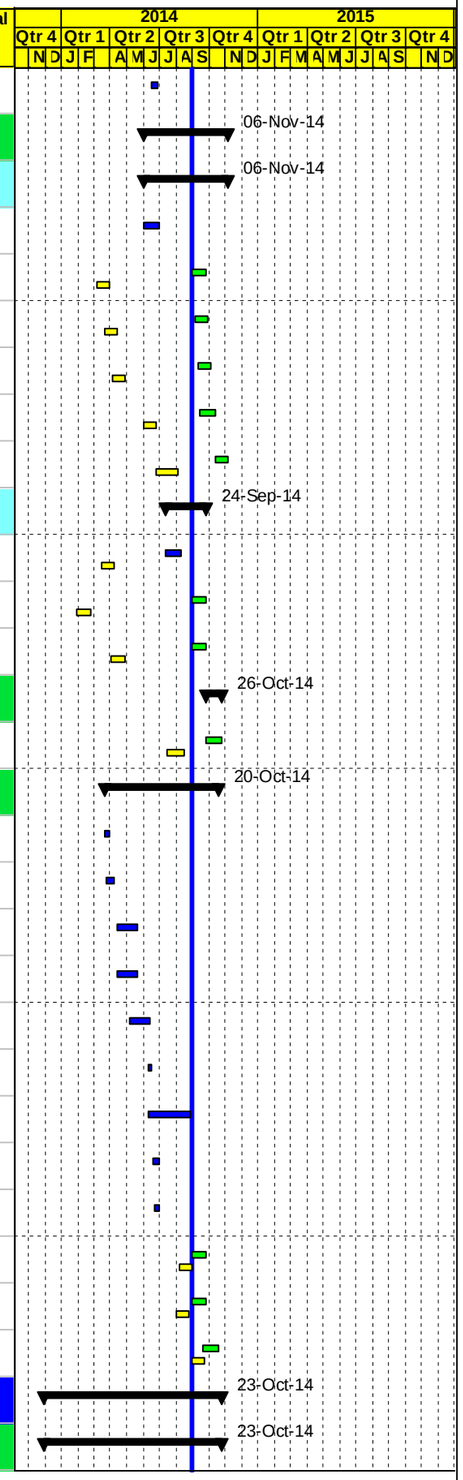
SHT0320-new	Stone Wall from Sta.7+430 to Sta.7+475 RHS	5d	100%	0d			18-Jun-14 A	29-Jun-14 A		$0	$0
Pipe Culverts		121d		54d	29-Jan-14	04-Aug-14	02-Jun-14 A	06-Nov-14	106d	$0	$0
Pipe Culverts Phase Three		121d		54d	08-Mar-14	04-Aug-14	02-Jun-14 A	06-Nov-14	106d	$0	$0
SHT0317-new	Pipe Culvert at Sta.0+543 -Al Aroub Road	21d	100%	0d			02-Jun-14 A	02-Jul-14 A		$0	$0
SHT0315	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 1+525 with L=8.5m	21d	0%	21d	08-Mar-14	31-Mar-14	01-Sep-14	24-Sep-14	35d	$0	$0
SHT0318	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 2+230 with L=8.5m	21d	0%	21d	22-Mar-14	14-Apr-14	06-Sep-14	29-Sep-14	96d	$0	$0
SHT0321	Dia. 1000 mm precast pipe culvert including inlet and outlet @ Sta.2+860 with L=14.0 m	21d	0%	21d	05-Apr-14	29-Apr-14	10-Sep-14	04-Oct-14	96d	$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	15-Sep-14	13-Oct-14	106d	$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	14-Oct-14	06-Nov-14	106d	$0	$0
Pipe Culverts Phase Four		58d		21d	29-Jan-14	27-Apr-14	14-Jul-14 A	24-Sep-14	86d	$0	$0
SHT0333	Storm concrete system from st. 9+060 to 8+240	21d	100%	0d	15-Mar-14	07-Apr-14	14-Jul-14 A	10-Aug-14 A		$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	01-Sep-14	24-Sep-14	74d	$0	$0
SHT0336	Storm concrete system from sta. 7+220 to 7+240	21d	0%	21d	02-Apr-14	27-Apr-14	01-Sep-14	24-Sep-14	86d	$0	$0
Concrete curbstone and side walk Phase Four		21d		21d	14-Jul-14	17-Aug-14	27-Sep-14	26-Oct-14	92d	$0	$0
SHT0349	From St.7+515 to 6+840	21d	0%	21d	14-Jul-14	17-Aug-14	27-Sep-14	26-Oct-14	92d	$0	$0
Others		155d		38d	02-Aug-14	24-Sep-14	23-Mar-14 A	20-Oct-14	124d	$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
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	100%	0d			13-Apr-14 A	21-May-14 A		$0	$0
SHT0372-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	21d	100%	0d			15-Apr-14 A	21-May-14 A		$0	$0
SHT0373-new	Stair @ Sta.7+505 LHS	21d	100%	0d			07-May-14 A	15-Jun-14 A		$0	$0
SHT0375-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 1+200 to St. 2+780	21d	100%	0d			11-Jun-14 A	18-Jun-14 A		$0	$0
SHT0374-new	Tee Fabrication Shop Drawings and calculation sheets 760 x 150 mm and 760 x 250 mm	21d	100%	0d			11-Jun-14 A	28-Aug-14 A		$0	$0
SHT0380-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 8+700 to St. 9+300	21d	100%	0d			19-Jun-14 A	30-Jun-14 A		$0	$0
SHT0381-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 2+780 to St. 3+900	21d	100%	0d			24-Jun-14 A	02-Jul-14 A		$0	$0
SHT0358	Concrete Ditches and Concrete protection	21d	0%	21d	07-Aug-14	01-Sep-14	01-Sep-14	24-Sep-14	141d	$0	$0
SHT0355	Street Lighting	21d	0%	21d	02-Aug-14	26-Aug-14	01-Sep-14	24-Sep-14	80d	$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		327d		53d	01-Dec-13	12-Jun-14	28-Nov-13 A	23-Oct-14	198d	$0	$0
Submittals including Manufacturers Qualifications , Shop Test, Product Data		327d		53d	01-Dec-13	12-Jun-14	28-Nov-13 A	23-Oct-14	198d	$0	$0



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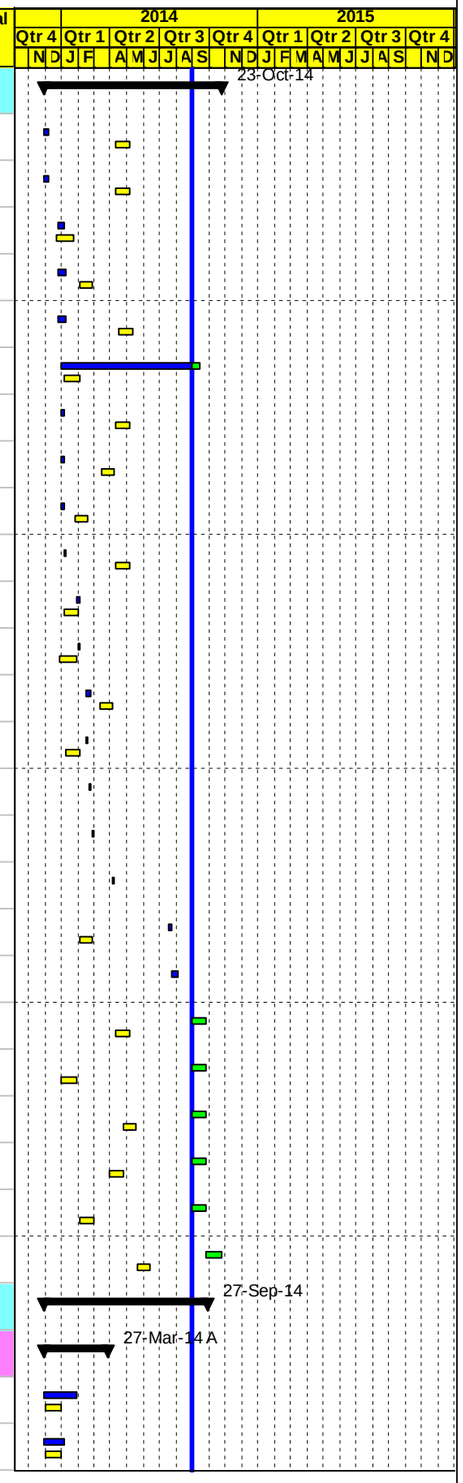
Material Submittal Roads		235d		42d	22-Dec-13	12-Jun-14	28-Nov-13 A	23-Oct-14	155d	$0	$0
SHT0480	Cat eyes	21d	100%	0d	12-Apr-14	07-May-14	28-Nov-13 A	09-Dec-13 A		$0	$0
SHT0485	Thermoplastic paint	21d	100%	0d	12-Apr-14	07-May-14	28-Nov-13 A	09-Dec-13 A		$0	$0
SHT0380	Concrete Mix Design including cement 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	13-Sep-14	45d	$0	$0
SHT0490	Guard Rail	21d	100%	0d	12-Apr-14	07-May-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0460	Concrete joint sealant material	21d	100%	0d	15-Mar-14	07-Apr-14	30-Dec-13 A	06-Jan-14 A		$0	$0
SHT0425	Curbstone	21d	100%	0d	25-Jan-14	18-Feb-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
SHT0440	Asphalt wearing	21d	100%	0d	02-Feb-14	26-Feb-14	20-Jul-14 A	24-Jul-14 A		$0	$0
SHT0445-new	Concrete Ready-Mix Design Class B35-Size 20 mm	21d	100%	0d			24-Jul-14 A	05-Aug-14 A		$0	$0
SHT0475	Galvanized steel Handrail	21d	0%	21d	12-Apr-14	07-May-14	01-Sep-14	24-Sep-14	134d	$0	$0
SHT0395	Precast Concrete Manholes and catch basin	21d	0%	21d	30-Dec-13	29-Jan-14	01-Sep-14	24-Sep-14	104d	$0	$0
SHT0465	Street Lighting including poles	21d	0%	21d	24-Apr-14	19-May-14	01-Sep-14	24-Sep-14	67d	$0	$0
SHT0470	Interlocking Blocks	21d	0%	21d	31-Mar-14	24-Apr-14	01-Sep-14	24-Sep-14	176d	$0	$0
SHT0640	Storm water manholes	21d	0%	21d	04-Feb-14	01-Mar-14	01-Sep-14	24-Sep-14	176d	$0	$0
SHT0505	Lighting control	21d	0%	21d	20-May-14	12-Jun-14	25-Sep-14	23-Oct-14	67d	$0	$0
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labelin		301d		27d	01-Dec-13	15-Mar-14	28-Nov-13 A	27-Sep-14	224d	$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



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
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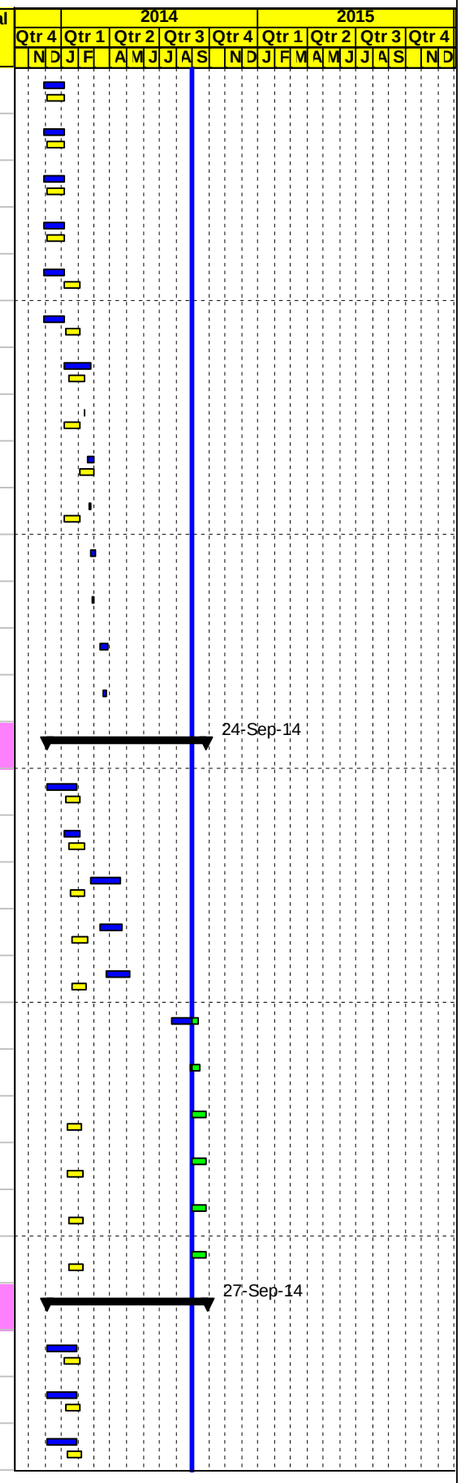
SHT0520	Steel pipeline 200 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0525	Steel pipeline 150 mm	21d	100%	0d	03-Dec-13	04-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0530	Steel pipeline 100 mm	21d	100%	0d	04-Dec-13	05-Jan-14	28-Nov-13 A	05-Jan-14 A		$0	$0
SHT0535	Steel pipeline 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
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	05-Mar-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		260d		24d	08-Jan-14	16-Feb-14	05-Dec-13 A	24-Sep-14	227d	$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-Apr-14 A		$0	$0
SHT0590	Epoxy coating	21d	100%	0d	21-Jan-14	16-Feb-14	13-Mar-14 A	23-Apr-14 A		$0	$0
SHT0585	Bolts ,washers & nuts	21d	100%	0d	19-Jan-14	13-Feb-14	24-Mar-14 A	07-May-14 A		$0	$0
SHT0584-new	Pre Cast Concrete for Water Chamber 1.50m *1.5m*2.0m	21d	50%	11d			24-Jul-14 A	11-Sep-14	241d	$0	$0
SHT0583-new	Steel Manhole Cover for Storm System and Water System	21d	50%	11d			28-Aug-14 A	13-Sep-14	186d	$0	$0
SHT0565	Buddle flanges	21d	0%	21d	11-Jan-14	05-Feb-14	01-Sep-14	24-Sep-14	-6d	$0	$0
SHT0568	Manhole Cover and Frame.	21d	0%	21d	12-Jan-14	08-Feb-14	01-Sep-14	24-Sep-14	-6d	$0	$0
SHT0570	Ladders steps	21d	0%	21d	13-Jan-14	09-Feb-14	01-Sep-14	24-Sep-14	-6d	$0	$0
SHT0573	Holding Jacks	21d	0%	21d	14-Jan-14	10-Feb-14	01-Sep-14	24-Sep-14	-6d	$0	$0
Valves & fittings including Design calculations of fitting		207d		23d	06-Jan-14	10-Mar-14	04-Dec-13 A	27-Sep-14	174d	$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



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Baseline Milestone
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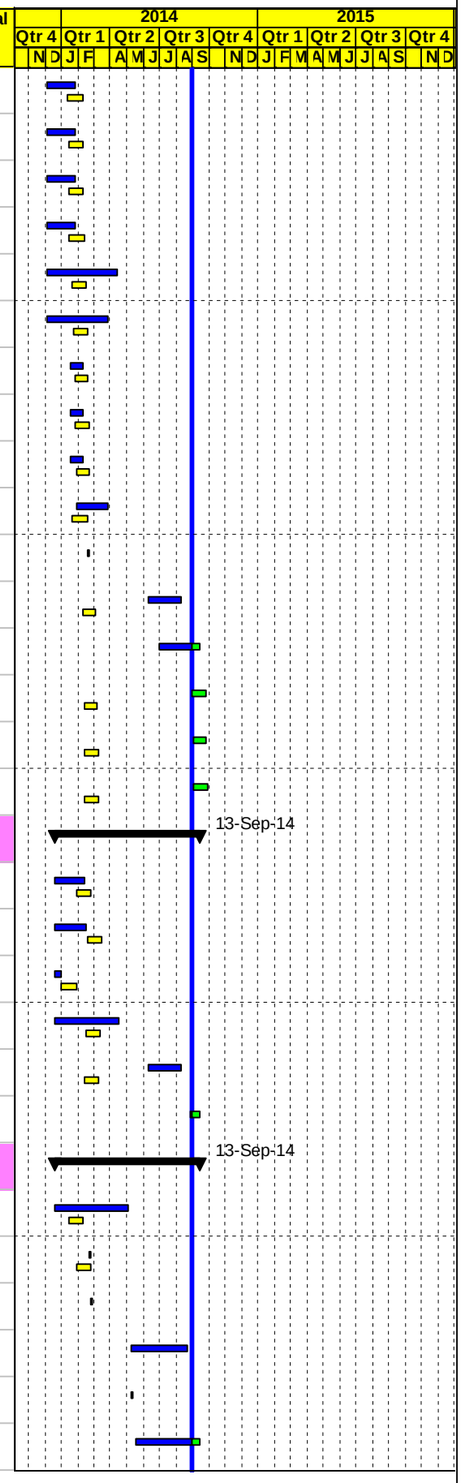
SHT0615	Gate valves 250. with Actuators	21d	100%	0d	12-Jan-14	08-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0620	Gate valves 150 with Actuators	21d	100%	0d	13-Jan-14	09-Feb-14	04-Dec-13 A	26-Jan-14 A		$0	$0
SHT0625	Gate valves 100. with Actuators	21d	100%	0d	14-Jan-14	10-Feb-14	04-Dec-13 A	26-Jan-14 A		$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	100%	0d	21-Jan-14	16-Feb-14	29-Jan-14 A	27-Mar-14 A		$0	$0
SHT0691-new	Galvanized Malleable Iron Fittings up to 2"- Modgal	21d	100%	0d			18-Feb-14 A	20-Feb-14 A		$0	$0
SHT0675	Electro magnetic flow Water meters	21d	100%	0d	10-Feb-14	05-Mar-14	11-Jun-14 A	12-Aug-14 A		$0	$0
SHT0677-new	Motorized Actuated Butterfly Valve	21d	50%	11d			30-Jun-14 A	13-Sep-14	186d	$0	$0
SHT0680	Surge Tank	21d	0%	21d	11-Feb-14	08-Mar-14	01-Sep-14	24-Sep-14	-8d	$0	$0
SHT0685	Air Compressor	21d	0%	21d	12-Feb-14	09-Mar-14	02-Sep-14	25-Sep-14	-8d	$0	$0
SHT0690	Filters	21d	0%	21d	13-Feb-14	10-Mar-14	03-Sep-14	27-Sep-14	-8d	$0	$0
Control Valves		209d		11d	30-Dec-13	15-Mar-14	19-Dec-13 A	13-Sep-14	186d	$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	Electro-Magnetic water meter-Siemens	21d	100%	0d	13-Feb-14	10-Mar-14	11-Jun-14 A	12-Aug-14 A		$0	$0
SHT0750-NEW	Ball Valve-Tyco F120 for Pressure Gauge	21d	50%	11d			28-Aug-14 A	13-Sep-14	186d	$0	$0
Others		131d		11d	13-Jan-14	23-Feb-14	19-Dec-13 A	13-Sep-14	186d	$0	$0
SHT0785	Strainers.	21d	100%	0d	13-Jan-14	09-Feb-14	19-Dec-13 A	05-May-14 A		$0	$0
SHT0788	protective lining and coating	21d	100%	0d	29-Jan-14	23-Feb-14	20-Feb-14 A	24-Feb-14 A		$0	$0
SHT0911-new	Spacers	5d	100%	0d			23-Feb-14 A	27-Feb-14 A		$0	$0
SHT1065-new	Pressure Gauge	21d	100%	0d			11-May-14 A	21-Aug-14 A		$0	$0
SHT1067-new	Elcometer 280	21d	100%	0d			11-May-14 A	12-May-14 A		$0	$0
SHT1068-new	Mill Test Certificate for the first delivery of the 30" - ½ " pipes	21d	50%	11d			19-May-14 A	13-Sep-14	186d	$0	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
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Deir Sha'aar Main Pipeline Project

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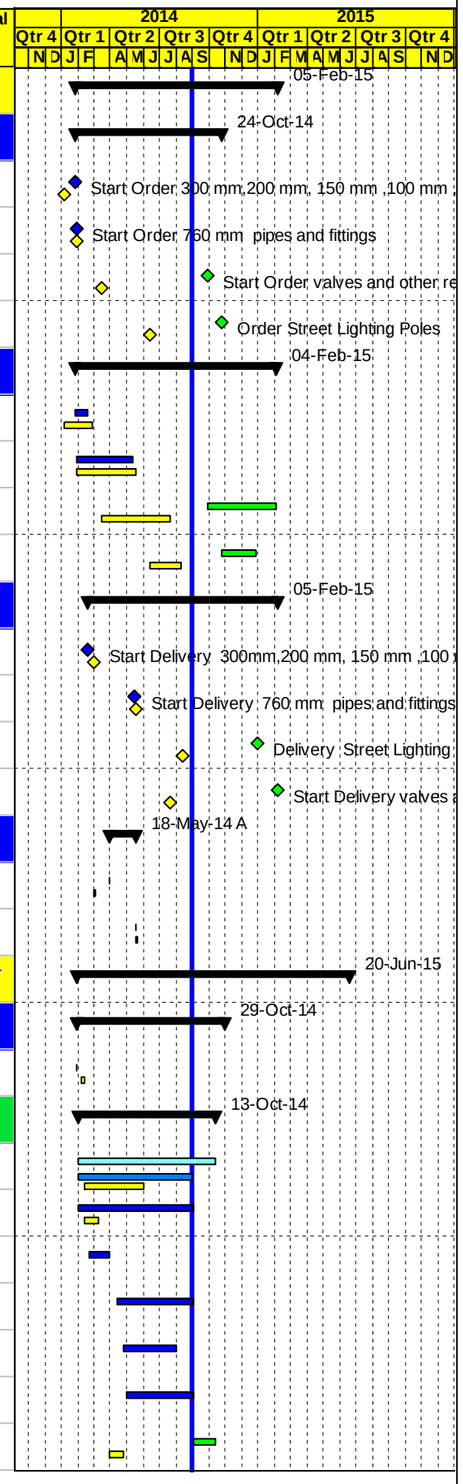
Procurements		315d		100d	06-Jan-14	12-Aug-14	27-Jan-14 A	05-Feb-15	37d	$0	$0
Order		232d		17d	06-Jan-14	13-Jun-14	27-Jan-14 A	24-Oct-14	70d	$0	$0
SHT0920	Start Order 300 mm,200 mm, 150 mm ,100 mm , 75 mm pipes and fittings	0d	100%	0d	06-Jan-14		27-Jan-14 A			$0	$0
SHT0930	Start Order 760 mm pipes and 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		28-Sep-14		-7d	$0	$0
SHT0950	Order Street Lighting Poles	0d	0%	0d	13-Jun-14		24-Oct-14		70d	$0	$0
Manufacturing		315d		100d	06-Jan-14	11-Aug-14	27-Jan-14 A	04-Feb-15	37d	$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	100%	0d	27-Jan-14	18-May-14	27-Jan-14 A	14-May-14 A		$0	$0
SHT0980	valves and other related materials	100d	0%	100d	17-Mar-14	21-Jul-14	28-Sep-14	04-Feb-15	-7d	$0	$0
SHT0990	Street Lighting Poles	50d	0%	50d	13-Jun-14	11-Aug-14	24-Oct-14	28-Dec-14	70d	$0	$0
Delivery		269d		33d	28-Feb-14	12-Aug-14	19-Feb-14 A	05-Feb-15	37d	$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	100%	0d	19-May-14		15-May-14 A			$0	$0
SHT1030	Delivery Street Lighting Poles	0d	0%	0d	12-Aug-14		29-Dec-14		70d	$0	$0
SHT1020	Start Delivery valves and other related materials	0d	0%	0d	22-Jul-14		05-Feb-15		-7d	$0	$0
Testing		44d		0d	28-Feb-14	21-May-14	31-Mar-14 A	18-May-14 A		$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	Start Testing 760 mm pipes and fittings	3d	100%	0d	19-May-14	21-May-14	18-May-14 A	18-May-14 A		$0	$0
Construction		493d		293d	05-Feb-14	14-Apr-15	28-Jan-14 A	20-Jun-15	-42d	$15,078,961	$2,339,664
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		203d		47d	05-Feb-14	16-Jul-14	28-Jan-14 A	29-Oct-14	23d	$824,745	$555,535
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 (Conc. Walls) St.7+515 to 6+840 LHS		189d		33d	12-Feb-14	01-Jun-14	30-Jan-14 A	13-Oct-14	24d	$666,825	$555,535
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	80%	33d	12-Feb-14	01-Jun-14	30-Jan-14 A	13-Oct-14	23d	$0	$0
SHT1117	Structural excavation for retaining walls	30d	90%	3d	12-Feb-14	10-Mar-14	01-Feb-14 A	03-Sep-14	23d	$59,000	$63,000
SHT1385-new	Concrete retaining wall from sta. 7+170 to 7+095 LHS = length (75 LM)	30d	100%	0d			20-Feb-14 A	30-Mar-14 A		$63,460	$63,460
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	30d	98%	1d			14-Apr-14 A	01-Sep-14	57d	$246,350	$236,455
SHT1389-new	Concrete retaining wall from sta. 7+290 to 7+390 LHS = length (100 LM)	30d	100%	0d			27-Apr-14 A	03-Aug-14 A		$113,050	$100,500
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	30d	98%	1d			30-Apr-14 A	01-Sep-14	57d	$91,500	$92,120
SHT1135	Concrete Retaining Wall from Sta.6+873 to Sta.6+950 LHS	30d	0%	30d	31-Mar-14	26-Apr-14	04-Sep-14	13-Oct-14	23d	$93,465	$0



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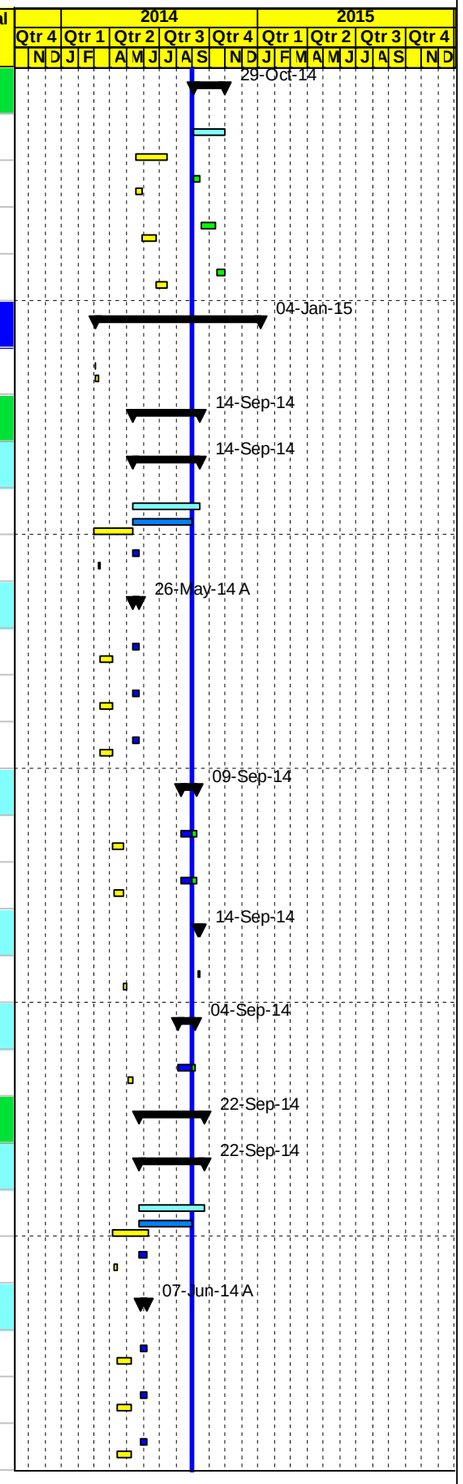
Road work (Conc. Walls)) St.7+140 to 6+900 RHS		44d		44d	18-May-14	16-Jul-14	04-Sep-14	29-Oct-14	23d	$157,920	$0
SHT1155	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	44d	0%	44d	18-May-14	16-Jul-14	04-Sep-14	29-Oct-14	23d	$0	$0
SHT1158	Structural excavation for Concrete walls	10d	0%	10d	18-May-14	29-May-14	04-Sep-14	15-Sep-14	23d	$0	$0
SHT1165	Boundary Wall from Sta.6+935 to Sta.6+966 RHS and Retaining Wall from Sta.6+971 to Sta.7+036 RHS	21d	0%	21d	31-May-14	24-Jun-14	16-Sep-14	14-Oct-14	23d	$74,110	$0
SHT1170	Retaining Wall from Sta.7+425 to Sta.7+430 RHS	13d	0%	13d	24-Jun-14	16-Jul-14	15-Oct-14	29-Oct-14	23d	$83,810	$0
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		278d		125d	01-Mar-14	22-Nov-14	04-Mar-14 A	04-Jan-15	126d	$1,349,387	$691,747
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		143d		12d	01-Mar-14	11-May-14	13-May-14 A	14-Sep-14	185d	$191,675	$175,175
Safety, saw cut asphalt and milling		59d		12d	01-Mar-14	11-May-14	13-May-14 A	14-Sep-14	185d	$0	$0
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	59d	79.62%	12d	01-Mar-14	11-May-14	13-May-14 A	14-Sep-14	185d	$0	$0
SHT1180	saw cut asphalt	3d	100%	0d	10-Mar-14	13-Mar-14	14-May-14 A	26-May-14 A		$0	$0
Pipe Installation		31d		0d	12-Mar-14	06-Apr-14	14-May-14 A	26-May-14 A		$158,675	$158,675
SHT1185	Trench excavation for 200 mm Dist. pipeline with length approx. (1200 LM)	21d	100%	0d	12-Mar-14	06-Apr-14	14-May-14 A	26-May-14 A		$21,875	$21,875
SHT1190	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	100%	0d	12-Mar-14	06-Apr-14	14-May-14 A	26-May-14 A		$118,425	$118,425
SHT1195	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	100%	0d	12-Mar-14	06-Apr-14	14-May-14 A	26-May-14 A		$18,375	$18,375
Civil Chamber work		16d		8d	06-Apr-14	26-Apr-14	10-Aug-14 A	09-Sep-14	185d	$25,400	$12,700
SHT1200	Construct - Gate Valve chamber @ Sta.0+010 ,0+800	16d	50%	8d	06-Apr-14	26-Apr-14	10-Aug-14 A	09-Sep-14	185d	$18,400	$9,200
SHT1205	Construct - Wash out chamber @ Sta.0+150	12d	50%	6d	09-Apr-14	24-Apr-14	11-Aug-14 A	07-Sep-14	187d	$7,000	$3,500
Testing		4d		4d	26-Apr-14	30-Apr-14	10-Sep-14	14-Sep-14	185d	$0	$0
SHT1210	Pressure Testing	4d	0%	4d	26-Apr-14	30-Apr-14	10-Sep-14	14-Sep-14	185d	$0	$0
Asphalt		7d		4d	03-May-14	11-May-14	06-Aug-14 A	04-Sep-14	172d	$7,600	$3,800
SHT1215	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	50%	4d	03-May-14	11-May-14	06-Aug-14 A	04-Sep-14	172d	$7,600	$3,800
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		100d		19d	06-Apr-14	09-Jun-14	26-May-14 A	22-Sep-14	73d	$180,309	$150,459
Safety, saw cut asphalt and milling		56d		19d	06-Apr-14	09-Jun-14	26-May-14 A	22-Sep-14	73d	$0	$0
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	54d	50%	19d	06-Apr-14	09-Jun-14	26-May-14 A	22-Sep-14	73d	$0	$0
SHT1225	Saw cut asphalt	3d	100%	0d	08-Apr-14	12-Apr-14	26-May-14 A	07-Jun-14 A		$0	$0
Pipe Installation		21d		0d	12-Apr-14	08-May-14	27-May-14 A	07-Jun-14 A		$156,775	$143,125
SHT1230	Trench excavation for 200 mm Dist. pipeline with length approx. (1174 LM)	21d	100%	0d	12-Apr-14	08-May-14	27-May-14 A	07-Jun-14 A		$21,613	$21,613
SHT1235	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	100%	0d	12-Apr-14	08-May-14	27-May-14 A	07-Jun-14 A		$117,008	$105,195
SHT1240	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	100%	0d	12-Apr-14	08-May-14	27-May-14 A	07-Jun-14 A		$18,155	$16,317



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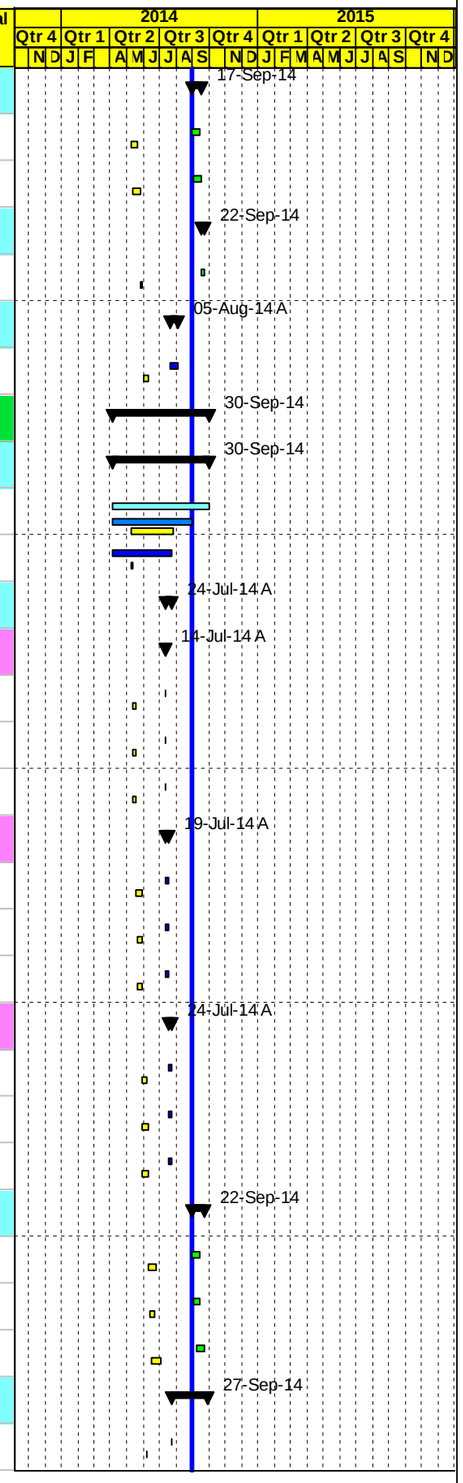
Civil Chamber work		15d		15d	08-May-14	26-May-14	01-Sep-14	17-Sep-14	73d	$16,200	$0
SHT1245	Construct - Gate Valve chamber @ 1+850	12d	0%	12d	08-May-14	22-May-14	01-Sep-14	14-Sep-14	73d	$9,200	$0
SHT1250	Construct - Wash out chamber @ 2+370	12d	0%	12d	12-May-14	26-May-14	04-Sep-14	17-Sep-14	73d	$7,000	$0
Testing		4d		4d	26-May-14	31-May-14	18-Sep-14	22-Sep-14	73d	$0	$0
SHT1255	Pressure Testing	4d	0%	4d	26-May-14	31-May-14	18-Sep-14	22-Sep-14	73d	$0	$0
Asphalt		7d		0d	01-Jun-14	09-Jun-14	21-Jul-14 A	05-Aug-14 A		$7,334	$7,334
SHT1260	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	100%	0d	01-Jun-14	09-Jun-14	21-Jul-14 A	05-Aug-14 A		$7,334	$7,334
Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086		182d		30d	08-May-14	27-Jul-14	05-Apr-14 A	30-Sep-14	98d	$199,486	$153,768
Safety, saw cut asphalt and milling		112d		26d	08-May-14	27-Jul-14	05-Apr-14 A	30-Sep-14	73d	$8,000	$5,600
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	112d	76.76%	26d	08-May-14	27-Jul-14	05-Apr-14 A	30-Sep-14	73d	$0	$0
SHT1270	Road excavation and backfilling to the required sub grade levels	3d	100%	0d	10-May-14	13-May-14	06-Apr-14 A	24-Jul-14 A		$8,000	$5,600
Pipe Installation		45d		0d	13-May-14	10-Jun-14	12-Jul-14 A	24-Jul-14 A		$134,068	$134,068
150 mm Dist. pipelines		26d		0d	13-May-14	19-May-14	12-Jul-14 A	14-Jul-14 A		$23,150	$23,150
SHT1275	Trench excavation for 150 mm Dist. pipelines from Sta. 0+000 - 0+200) with length approx. (200 LM)	5d	100%	0d	13-May-14	19-May-14	12-Jul-14 A	14-Jul-14 A		$3,400	$3,400
SHT1280	Bedding layer & install the above dist.Steel pipelines including required welding inspection	5d	100%	0d	13-May-14	19-May-14	12-Jul-14 A	14-Jul-14 A		$16,850	$16,850
SHT1282	Backfill the pipe trench with approved materials to the required level including 20 cm base course	5d	100%	0d	13-May-14	19-May-14	12-Jul-14 A	14-Jul-14 A		$2,900	$2,900
Double 150 & 100 mm Dist. pipelines		10d		0d	19-May-14	31-May-14	14-Jul-14 A	19-Jul-14 A		$70,749	$70,749
SHT1285	Trench excavation for Double 150 & 100 mm Dist. pipelines from Sta. 0+200 - 0+595 with length approx. (395 LM)	9d	100%	0d	19-May-14	29-May-14	14-Jul-14 A	19-Jul-14 A		$11,620	$11,620
SHT1287	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	100%	0d	20-May-14	31-May-14	14-Jul-14 A	19-Jul-14 A		$49,532	$49,532
SHT1289	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	100%	0d	20-May-14	31-May-14	14-Jul-14 A	19-Jul-14 A		$9,598	$9,598
100 mm Dist. pipeline		10d		0d	29-May-14	10-Jun-14	19-Jul-14 A	24-Jul-14 A		$40,169	$40,169
SHT1290	Trench excavation for 100 mm Dist. pipeline from sta. 0+595 to 1+086 with length approx. (491 LM)	8d	100%	0d	29-May-14	08-Jun-14	19-Jul-14 A	24-Jul-14 A		$7,365	$7,365
SHT1293	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	100%	0d	31-May-14	10-Jun-14	19-Jul-14 A	24-Jul-14 A		$26,912	$26,912
SHT1298	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	100%	0d	31-May-14	10-Jun-14	19-Jul-14 A	24-Jul-14 A		$5,892	$5,892
Civil Chamber work		19d		19d	10-Jun-14	05-Jul-14	01-Sep-14	22-Sep-14	73d	$36,300	$0
SHT1295	Construct - Wash out chamber @ Sta.0+105 & 0+480	13d	0%	13d	10-Jun-14	25-Jun-14	01-Sep-14	15-Sep-14	73d	$11,800	$0
SHT1300	Construct - AR/AV Valve chamber @ Sta.0+210	8d	0%	8d	14-Jun-14	23-Jun-14	04-Sep-14	13-Sep-14	73d	$9,500	$0
SHT1305	Construct - Gate Valve chamber @ Sta.0+590 and 0+800	13d	0%	13d	17-Jun-14	05-Jul-14	08-Sep-14	22-Sep-14	73d	$15,000	$0
Testing		57d		5d	07-Jun-14	12-Jul-14	24-Jul-14 A	27-Sep-14	98d	$0	$0
SHT1307	Radiographic Testing (RT)	1d	100%	0d	07-Jun-14	07-Jun-14	24-Jul-14 A	24-Jul-14 A		$0	$0



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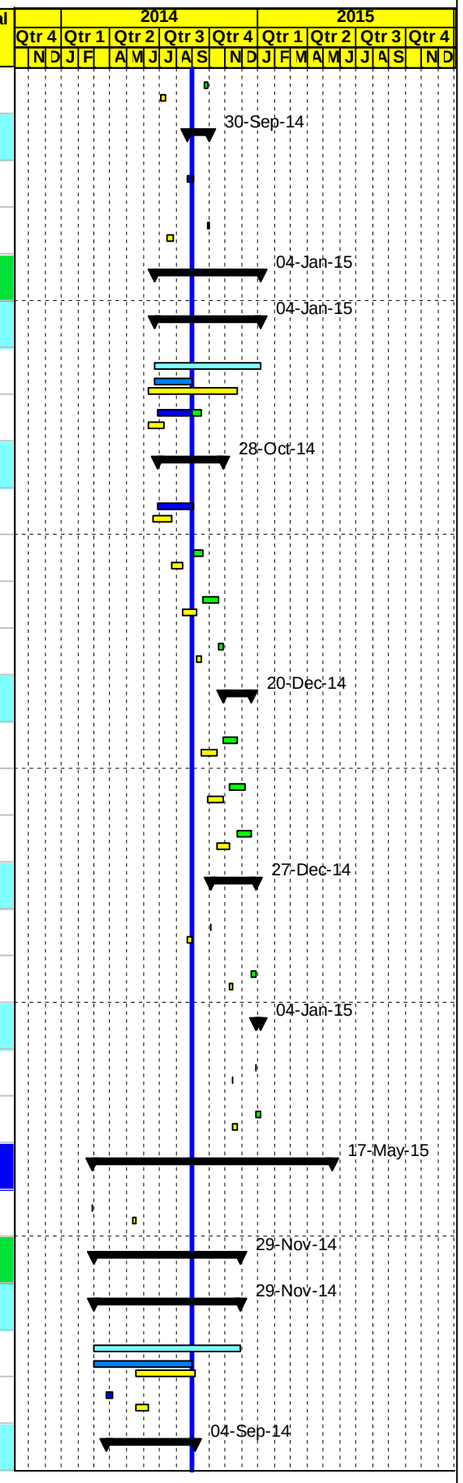
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT1310	Pressure Testing	4d	0%	4d	05-Jul-14	12-Jul-14	23-Sep-14	27-Sep-14	73d	$0	$0
Base course and Asphalt		42d		30d	14-Jul-14	27-Jul-14	23-Aug-14 A	30-Sep-14	98d	$21,118	$14,100
SHT1324	Basecourse 20 cm layer	12d	85%	2d			23-Aug-14 A	02-Sep-14	123d	$18,800	$14,100
SHT1315	asphalt wearing layer	3d	0%	3d	14-Jul-14	27-Jul-14	28-Sep-14	30-Sep-14	73d	$2,318	$0
Halhul Water Distribution Network All Segments		155d		125d	10-Jun-14	22-Nov-14	22-Jun-14 A	04-Jan-15	126d	$777,917	$212,345
Safety, saw cut asphalt and milling		110d		96d	10-Jun-14	22-Nov-14	22-Jun-14 A	04-Jan-15	101d	$0	$0
SHT1320	Maintain traffic control and safety plan ,coordination with local and all parties	104d	7.22%	96d	10-Jun-14	22-Nov-14	22-Jun-14 A	04-Jan-15	8d	$0	$0
SHT1325	saw cut asphalt	21d	25%	16d	11-Jun-14	10-Jul-14	27-Jun-14 A	18-Sep-14	181d	$0	$0
Pipe Installation		65d		45d	18-Jun-14	17-Sep-14	28-Jun-14 A	28-Oct-14	-3d	$493,117	$212,345
SHT1330	Trench excavation ,Bedding ,install and backfill for 200 mm Dist. pipeline with length approx. (1861 LM)	22d	90%	2d	18-Jun-14	23-Jul-14	28-Jun-14 A	03-Sep-14	-3d	$235,939	$212,345
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	03-Sep-14	20-Sep-14	-3d	$82,030	$0
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	20-Sep-14	18-Oct-14	-3d	$133,643	$0
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	18-Oct-14	28-Oct-14	-3d	$41,506	$0
Civil Chamber work		41d		41d	17-Sep-14	09-Nov-14	28-Oct-14	20-Dec-14	-3d	$244,000	$0
SHT1350	Construct Gate Valve	21d	0%	21d	17-Sep-14	16-Oct-14	28-Oct-14	23-Nov-14	-3d	$107,000	$0
SHT1355	Construct Washout Valve	21d	0%	21d	29-Sep-14	28-Oct-14	09-Nov-14	06-Dec-14	-3d	$56,000	$0
SHT1360	Construct Air Valve	21d	0%	21d	15-Oct-14	09-Nov-14	22-Nov-14	20-Dec-14	-3d	$81,000	$0
Testing		84d		84d	23-Aug-14	13-Nov-14	04-Oct-14	27-Dec-14	10d	$0	$0
SHT1365	Radiographic Testing (RT)	1d	0%	1d	23-Aug-14	30-Aug-14	04-Oct-14	04-Oct-14	2d	$0	$0
SHT1370	Pressure Testing	4d	0%	4d	09-Nov-14	13-Nov-14	20-Dec-14	27-Dec-14	8d	$0	$0
Asphalt		6d		6d	13-Nov-14	22-Nov-14	27-Dec-14	04-Jan-15	8d	$40,800	$0
SHT1375	Milling	1d	0%	1d	13-Nov-14	15-Nov-14	27-Dec-14	28-Dec-14	8d	$18,000	$0
SHT1380	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	5d	0%	5d	15-Nov-14	22-Nov-14	28-Dec-14	04-Jan-15	8d	$22,800	$0
Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980		425d		259d	13-May-14	10-Mar-15	26-Feb-14 A	17-May-15	-8d	$5,018,037	$846,543
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		256d		90d	19-May-14	04-Sep-14	02-Mar-14 A	29-Nov-14	162d	$425,057	$253,168
Safety and Excavation Works		131d		72d	19-May-14	04-Sep-14	02-Mar-14 A	29-Nov-14	-36d	$6,360	$2,800
SHT1506	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	131d	10%	72d	19-May-14	04-Sep-14	02-Mar-14 A	29-Nov-14	-36d	$0	$0
SHT1507	Road excavation and backfilling to the required sub grade levels	20d	100%	0d	19-May-14	11-Jun-14	25-Mar-14 A	05-Apr-14 A		$6,360	$2,800
Pipe Installation		119d		4d	27-May-14	17-Jun-14	25-Mar-14 A	04-Sep-14	193d	$312,961	$250,368



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
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

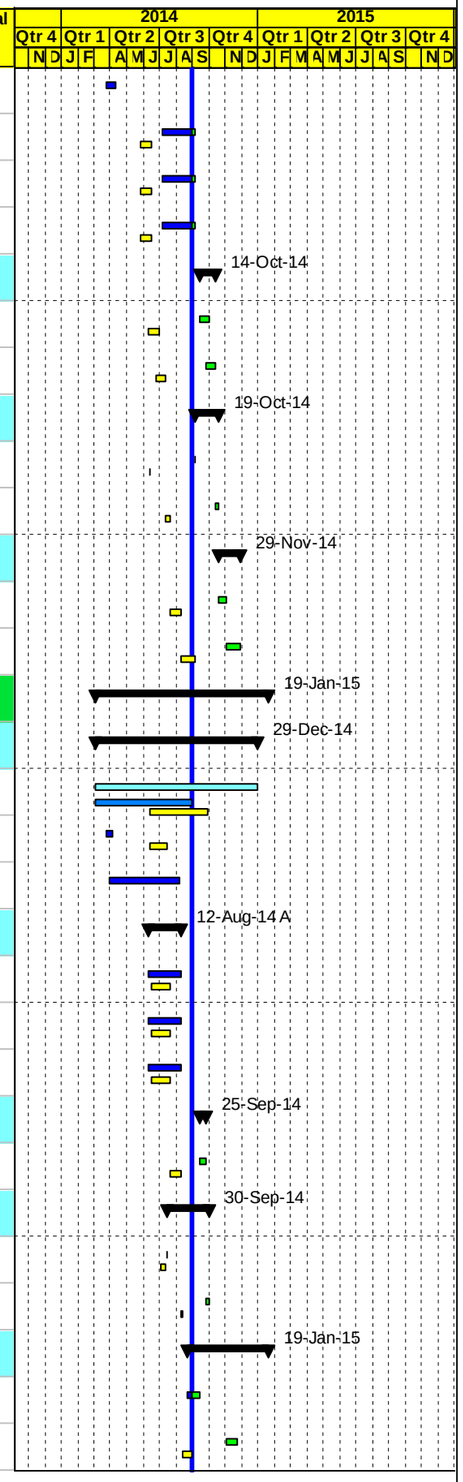
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT1507-new	Rock breaking (Digging)	10d	100%	0d			25-Mar-14 A	12-Apr-14 A		$0	$0
SHT1508	Trench excavation for 760 mm main pipeline from 0+00 to sta.0+630 with length approx. (630 LM)	18d	80%	4d	27-May-14	17-Jun-14	07-Jul-14 A	04-Sep-14	193d	$17,668	$14,134
SHT1510	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	18d	80%	4d	27-May-14	17-Jun-14	07-Jul-14 A	04-Sep-14	-8d	$275,732	$220,585
SHT1520	Backfill the pipe trench with approved materials to the required level	18d	80%	4d	27-May-14	17-Jun-14	07-Jul-14 A	04-Sep-14	-25d	$19,561	$15,649
Civil Chamber work		23d		23d	10-Jun-14	12-Jul-14	13-Sep-14	14-Oct-14	-36d	$72,000	$0
SHT1540	Construct Main Connection chamber @ Sta.0+000	17d	0%	17d	10-Jun-14	01-Jul-14	13-Sep-14	02-Oct-14	-36d	$0	$0
SHT1550	Construct - 250 Wash out Valve chamber @ Sta.0+620	11d	0%	11d	24-Jun-14	12-Jul-14	27-Sep-14	14-Oct-14	-36d	$72,000	$0
Testing		44d		44d	14-Jun-14	20-Jul-14	06-Sep-14	19-Oct-14	-47d	$0	$0
SHT1553	Radiographic Testing (RT)	1d	0%	1d	14-Jun-14	14-Jun-14	06-Sep-14	06-Sep-14	-2d	$0	$0
SHT1555	Pressure Testing	4d	0%	4d	13-Jul-14	20-Jul-14	14-Oct-14	19-Oct-14	-36d	$0	$0
Base course & Stone Wall		34d		34d	20-Jul-14	04-Sep-14	19-Oct-14	29-Nov-14	-36d	$33,737	$0
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	19-Oct-14	03-Nov-14	-36d	$24,962	$0
SHT1564	Stone Wall LHS	21d	0%	21d	11-Aug-14	04-Sep-14	03-Nov-14	29-Nov-14	-36d	$8,775	$0
Main pipelines & (Reconstruction Agricultural road) From Sta.0+630 to Sta.1+400		306d		141d	12-Jun-14	21-Oct-14	05-Mar-14 A	19-Jan-15	-51d	$449,028	$389,482
Safety and Excavation Works		151d		93d	12-Jun-14	29-Sep-14	05-Mar-14 A	29-Dec-14	-36d	$6,672	$6,160
SHT1570	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	140d	10%	93d	12-Jun-14	29-Sep-14	05-Mar-14 A	29-Dec-14	-36d	$0	$0
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	100%	0d	14-Jun-14	14-Jul-14	25-Mar-14 A	05-Apr-14 A		$6,672	$6,160
SHT1587-new	Rock breaking (Digging)	10d	100%	0d			01-Apr-14 A	07-Aug-14 A		$0	$0
Pipe Installation		21d		0d	17-Jun-14	20-Jul-14	12-Jun-14 A	12-Aug-14 A		$383,322	$383,322
SHT1590	Trench excavation for 760 mm main pipeline from 0+630 to sta.1+400 with length approx. (770 LM)	21d	100%	0d	17-Jun-14	20-Jul-14	12-Jun-14 A	12-Aug-14 A		$21,644	$21,644
SHT1600	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	100%	0d	17-Jun-14	20-Jul-14	12-Jun-14 A	12-Aug-14 A		$337,715	$337,715
SHT1610	Backfill the pipe trench with approved materials to the required level	21d	100%	0d	17-Jun-14	20-Jul-14	12-Jun-14 A	12-Aug-14 A		$23,963	$23,963
Civil Chamber work		11d		11d	20-Jul-14	09-Aug-14	13-Sep-14	25-Sep-14	6d	$16,000	$0
SHT1620	Construct - 150 AR/AV Valve chamber @ Sta.0+760	11d	0%	11d	20-Jul-14	09-Aug-14	13-Sep-14	25-Sep-14	6d	$16,000	$0
Testing		60d		5d	05-Jul-14	13-Aug-14	16-Jul-14 A	30-Sep-14	13d	$0	$0
SHT1623	Radiographic Testing (RT)	1d	100%	0d	05-Jul-14	12-Jul-14	16-Jul-14 A	16-Jul-14 A		$0	$0
SHT1625	Pressure Testing	4d	0%	4d	09-Aug-14	13-Aug-14	25-Sep-14	30-Sep-14	6d	$0	$0
Base course & Stone Wall		148d		141d	13-Aug-14	21-Oct-14	23-Aug-14 A	19-Jan-15	-51d	$43,035	$0
SHT1920	Final Finish Sub grade & Topping	15d	10%	14d			23-Aug-14 A	14-Sep-14	29d	$0	$0
SHT1630	20 cm base course layer from Sta.0+630 to 1+400	16d	0%	16d	13-Aug-14	01-Sep-14	03-Nov-14	23-Nov-14	-19d	$27,735	$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
02-Sep-14			

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August 31, 2014

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Deir Sha'aar Main Pipeline Project

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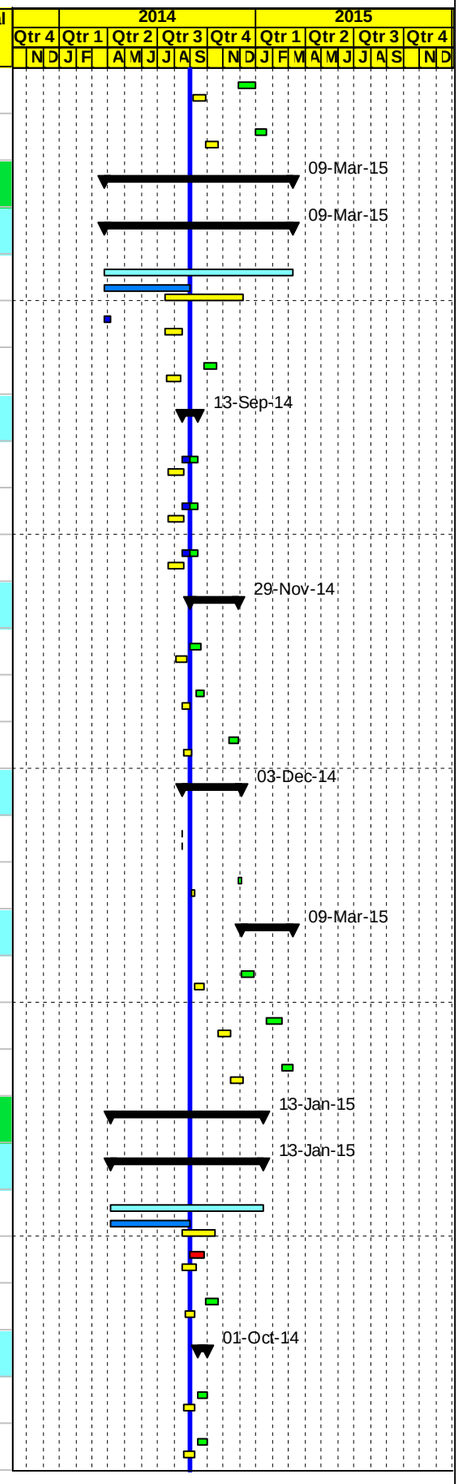
SHT1633	Stone Wall LHS	21d	0%	21d	04-Sep-14	29-Sep-14	29-Nov-14	29-Dec-14	-36d	$10,350	$0
SHT1635	Stone Wall RHS	15d	0%	15d	29-Sep-14	21-Oct-14	29-Dec-14	19-Jan-15	-36d	$4,950	$0
Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200		351d		190d	14-Jul-14	07-Dec-14	24-Mar-14 A	09-Mar-15	-47d	$630,999	$203,893
Safety , Excavation Works and Pipe Culvert		202d		146d	14-Jul-14	07-Dec-14	24-Mar-14 A	09-Mar-15	-36d	$27,770	$4,800
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	10%	146d	14-Jul-14	07-Dec-14	24-Mar-14 A	09-Mar-15	-36d	$0	$0
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	100%	0d	14-Jul-14	16-Aug-14	25-Mar-14 A	05-Apr-14 A		$10,600	$4,800
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	25-Sep-14	18-Oct-14	35d	$17,170	$0
Pipe Installation		21d		11d	20-Jul-14	20-Aug-14	17-Aug-14 A	13-Sep-14	-19d	$398,187	$199,093
SHT1670	Trench excavation for 760 mm main pipeline from 1+400 to sta.2+200 with length approx. (800 LM)	21d	50%	11d	20-Jul-14	20-Aug-14	17-Aug-14 A	13-Sep-14	-20d	$22,484	$11,242
SHT1680	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	50%	11d	20-Jul-14	20-Aug-14	17-Aug-14 A	13-Sep-14	-20d	$350,810	$175,405
SHT1690	Backfill the pipe trench with approved materials to the required level	21d	50%	11d	20-Jul-14	20-Aug-14	17-Aug-14 A	13-Sep-14	-19d	$24,893	$12,447
Civil Chamber work		71d		71d	06-Aug-14	03-Sep-14	01-Sep-14	29-Nov-14	-4d	$154,000	$0
SHT1700	Construct - 250 Wash out Valve chamber @ Sta.1+520	17d	0%	17d	06-Aug-14	26-Aug-14	01-Sep-14	20-Sep-14	44d	$72,000	$0
SHT1710	Construct - 150 AR/AV Valve chamber @ Sta. 1+920	13d	0%	13d	16-Aug-14	31-Aug-14	10-Sep-14	24-Sep-14	44d	$16,000	$0
SHT1720	Construct -Al Arrub Connection chamber @ Sta.2+065 LHS	13d	0%	13d	19-Aug-14	03-Sep-14	12-Nov-14	29-Nov-14	-4d	$66,000	$0
Testing		88d		4d	16-Aug-14	08-Sep-14	18-Aug-14 A	03-Dec-14	-3d	$0	$0
SHT1724	Radiographic Testing (RT)	1d	100%	0d	16-Aug-14	16-Aug-14	18-Aug-14 A	18-Aug-14 A		$0	$0
SHT1725	Pressure Testing	4d	0%	4d	03-Sep-14	08-Sep-14	29-Nov-14	03-Dec-14	-4d	$0	$0
Base course & Stone Wall		70d		70d	08-Sep-14	07-Dec-14	03-Dec-14	09-Mar-15	-36d	$51,042	$0
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	03-Dec-14	28-Dec-14	-4d	$31,692	$0
SHT1733	Stone Wall LHS	21d	0%	21d	21-Oct-14	15-Nov-14	19-Jan-15	16-Feb-15	-36d	$11,700	$0
SHT1734	Stone Wall RHS	17d	0%	17d	15-Nov-14	07-Dec-14	16-Feb-15	09-Mar-15	-36d	$7,650	$0
Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780		189d		134d	16-Aug-14	16-Oct-14	05-Apr-14 A	13-Jan-15	50d	$470,761	$0
Safety , Excavation Works and Pipe Culvert		101d		103d	16-Aug-14	16-Oct-14	05-Apr-14 A	13-Jan-15	39d	$18,932	$0
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	101d	0%	103d	16-Aug-14	16-Oct-14	05-Apr-14 A	13-Jan-15	39d	$0	$0
SHT1750	Road excavation and backfilling to the required sub grade levels	21d	0%	21d	17-Aug-14	10-Sep-14	01-Sep-14	24-Sep-14	-58d	$3,712	$0
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	30-Sep-14	22-Oct-14	99d	$15,220	$0
Pipe Installation		16d		16d	20-Aug-14	08-Sep-14	13-Sep-14	01-Oct-14	-19d	$288,681	$0
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	13-Sep-14	01-Oct-14	-20d	$16,296	$0
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	13-Sep-14	01-Oct-14	-20d	$254,343	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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Milestone Early Bar | Milestone Actual | Critical Bar

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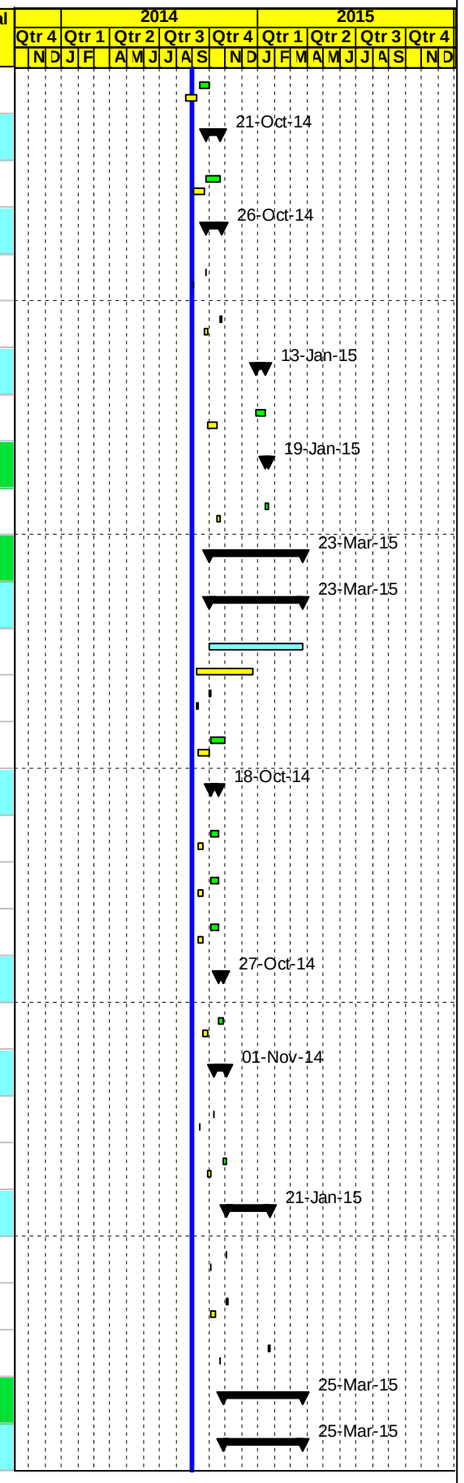
SHT1790	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	20-Aug-14	08-Sep-14	13-Sep-14	01-Oct-14	-19d	$18,042	$0
Civil Chamber work		17d		17d	03-Sep-14	23-Sep-14	27-Sep-14	21-Oct-14	86d	$144,000	$0
SHT1800	Construct - 250 Wash out Valve chamber @ Sta. 2+220 and 2+780	17d	0%	17d	03-Sep-14	23-Sep-14	27-Sep-14	21-Oct-14	86d	$144,000	$0
Testing		31d		31d	02-Sep-14	28-Sep-14	26-Sep-14	26-Oct-14	115d	$0	$0
SHT1803	Radiographic Testing (RT)	1d	0%	1d	02-Sep-14	03-Sep-14	26-Sep-14	26-Sep-14	-15d	$0	$0
SHT1805	Pressure Testing	4d	0%	4d	23-Sep-14	28-Sep-14	21-Oct-14	26-Oct-14	86d	$0	$0
Basecourse		12d		12d	28-Sep-14	16-Oct-14	28-Dec-14	13-Jan-15	39d	$19,148	$0
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-Dec-14	13-Jan-15	39d	$19,148	$0
Asphalt Works From Sta.0+000 to Sta.2+780		4d		4d	16-Oct-14	21-Oct-14	13-Jan-15	19-Jan-15	39d	$114,247	$0
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	13-Jan-15	19-Jan-15	39d	$114,247	$0
Main pipelines & (Milling & over lay 11m width existing asphalt Road) St. 2+780 to 3+030		173d		173d	08-Sep-14	23-Dec-14	01-Oct-14	23-Mar-15	-12d	$244,948	$0
Safety , Millings and Pipe Culvert		131d		131d	08-Sep-14	23-Dec-14	01-Oct-14	23-Mar-15	-10d	$17,170	$0
SHT1830	Maintain traffic control and safety plan ,coordination with local authorities and all other parties	131d	0%	131d	08-Sep-14	23-Dec-14	01-Oct-14	23-Mar-15	-10d	$0	$0
SHT1840	Saw cut asphalt	2d	0%	2d	09-Sep-14	11-Sep-14	02-Oct-14	05-Oct-14	-20d	$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	05-Oct-14	29-Oct-14	96d	$17,170	$0
Pipe Installation		7d		7d	11-Sep-14	20-Sep-14	05-Oct-14	18-Oct-14	37d	$157,866	$0
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	05-Oct-14	18-Oct-14	-20d	$11,613	$0
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	05-Oct-14	18-Oct-14	-20d	$134,621	$0
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	05-Oct-14	18-Oct-14	37d	$11,632	$0
Civil Chamber work		8d		8d	20-Sep-14	29-Sep-14	18-Oct-14	27-Oct-14	93d	$16,000	$0
SHT1880	Construct - Washout chamber @ Sta.2+860	8d	0%	8d	20-Sep-14	29-Sep-14	18-Oct-14	27-Oct-14	93d	$16,000	$0
Testing		22d		22d	13-Sep-14	04-Oct-14	11-Oct-14	01-Nov-14	123d	$0	$0
SHT1883	Radiographic Testing (RT)	1d	0%	1d	13-Sep-14	13-Sep-14	11-Oct-14	11-Oct-14	7d	$0	$0
SHT1885	Pressure Testing	4d	0%	4d	29-Sep-14	04-Oct-14	27-Oct-14	01-Nov-14	93d	$0	$0
Asphalt		61d		61d	04-Oct-14	23-Oct-14	01-Nov-14	21-Jan-15	39d	$53,912	$0
SHT1887	Milling	1d	0%	1d	04-Oct-14	05-Oct-14	01-Nov-14	02-Nov-14	93d	$7,350	$0
SHT1900	Asphalt Reinstament over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	05-Oct-14	12-Oct-14	02-Nov-14	04-Nov-14	93d	$2,432	$0
SHT1910	5 cm asphalt wearing course including tack coat	2d	0%	2d	21-Oct-14	23-Oct-14	19-Jan-15	21-Jan-15	39d	$44,130	$0
Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+780		150d		150d	18-Jun-14	28-Dec-14	27-Oct-14	25-Mar-15	-11d	$788,593	$0
Safety and Excavation Works, Stone Boulder and Concrete Wall		116d		116d	18-Jun-14	28-Dec-14	27-Oct-14	25-Mar-15	-10d	$40,186	$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
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

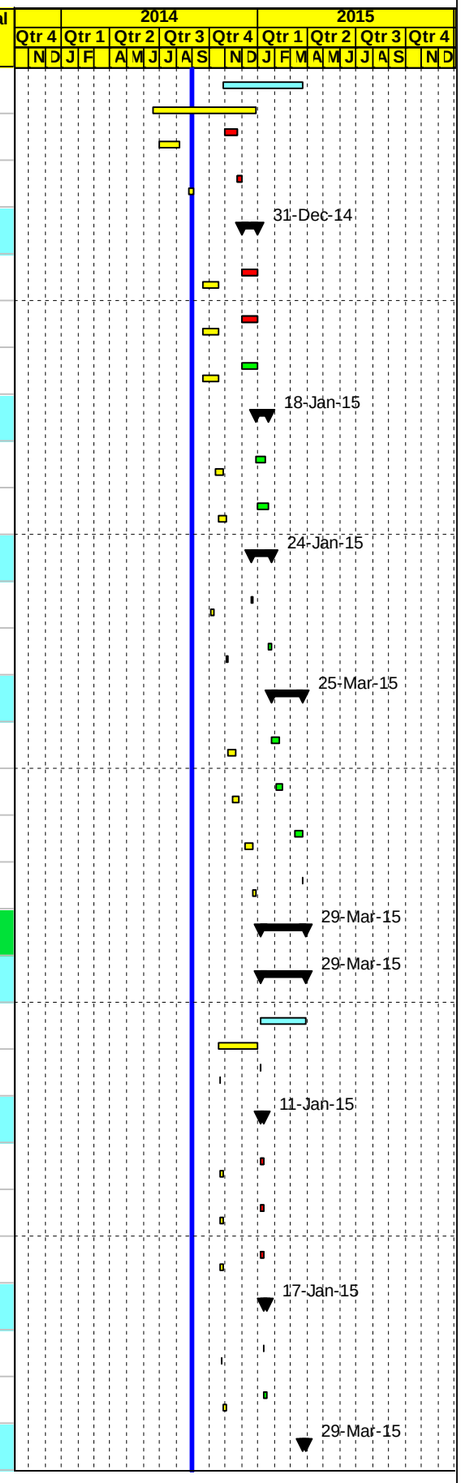
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT1930	Maintain traffic control &safety plan to include local access to residance ,all corrdination & relocate utilities	116d	0%	116d	18-Jun-14	28-Dec-14	27-Oct-14	25-Mar-15	-10d	$0	$0
SHT1950	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	20d	0%	20d	01-Jul-14	07-Aug-14	30-Oct-14	23-Nov-14	-58d	$27,536	$0
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	24-Nov-14	01-Dec-14	-58d	$12,650	$0
Pipe Installation		21d		21d	20-Sep-14	19-Oct-14	02-Dec-14	31-Dec-14	-7d	$472,871	$0
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	02-Dec-14	31-Dec-14	-58d	$34,822	$0
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	02-Dec-14	31-Dec-14	-58d	$403,167	$0
SHT1990	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	20-Sep-14	19-Oct-14	02-Dec-14	31-Dec-14	-7d	$34,883	$0
Civil Chamber work		16d		16d	14-Oct-14	02-Nov-14	28-Dec-14	18-Jan-15	-7d	$127,000	$0
SHT2000	Construct - 150 AR/AV Valve chamber @ Sta.3+280 and 3+720	13d	0%	13d	14-Oct-14	29-Oct-14	28-Dec-14	13-Jan-15	-7d	$32,000	$0
SHT2010	Construct -Beit Ummar Connection chamber @ Sta.3+480 RHS	13d	0%	13d	18-Oct-14	02-Nov-14	31-Dec-14	18-Jan-15	-7d	$95,000	$0
Testing		36d		36d	04-Oct-14	06-Nov-14	20-Dec-14	24-Jan-15	-11d	$0	$0
SHT2013	Radiographic Testing (RT)	1d	0%	1d	04-Oct-14	11-Oct-14	20-Dec-14	20-Dec-14	0d	$0	$0
SHT2015	Pressure Testing	4d	0%	4d	02-Nov-14	06-Nov-14	19-Jan-15	24-Jan-15	-7d	$0	$0
Base course , Stone Wall and Asphalt		49d		49d	06-Nov-14	28-Dec-14	25-Jan-15	25-Mar-15	-10d	$148,536	$0
SHT2020	Final Finish Sub grade & 15 cm base course first layer	11d	0%	11d	06-Nov-14	19-Nov-14	25-Jan-15	08-Feb-15	-7d	$28,298	$0
SHT2030	15 cm base course second layer	10d	0%	10d	13-Nov-14	26-Nov-14	02-Feb-15	14-Feb-15	-7d	$24,317	$0
SHT2034	Stone Wall RHS	12d	0%	12d	07-Dec-14	23-Dec-14	09-Mar-15	23-Mar-15	-36d	$4,275	$0
SHT2040	7 cm asphalt wearing course including prime coat	2d	0%	2d	23-Dec-14	28-Dec-14	23-Mar-15	25-Mar-15	-10d	$91,646	$0
Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+900 l		85d		85d	20-Oct-14	31-Dec-14	04-Jan-15	29-Mar-15	-12d	$90,679	$0
Safety and Milling		67d		67d	20-Oct-14	31-Dec-14	04-Jan-15	29-Mar-15	-10d	$0	$0
SHT2050	Maintain traffic control and safety plan ,coordination with local authorities and all others parties	67d	0%	67d	20-Oct-14	31-Dec-14	04-Jan-15	29-Mar-15	-10d	$0	$0
SHT2060	Saw cut asphalt	1d	0%	1d	21-Oct-14	22-Oct-14	05-Jan-15	05-Jan-15	-58d	$0	$0
Pipe Installation		4d		4d	22-Oct-14	27-Oct-14	06-Jan-15	11-Jan-15	-58d	$59,760	$0
SHT2070	Trench excavation for 760 mm main pipeline with length approx. (120 LM) @ RHS	4d	0%	4d	22-Oct-14	27-Oct-14	06-Jan-15	11-Jan-15	-58d	$3,360	$0
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	06-Jan-15	11-Jan-15	-58d	$52,680	$0
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	06-Jan-15	11-Jan-15	-58d	$3,720	$0
Testing		8d		8d	25-Oct-14	01-Nov-14	10-Jan-15	17-Jan-15	56d	$0	$0
SHT2094	Radiographic Testing (RT)	1d	0%	1d	25-Oct-14	25-Oct-14	10-Jan-15	10-Jan-15	-11d	$0	$0
SHT2095	Pressure Testing	4d	0%	4d	27-Oct-14	01-Nov-14	12-Jan-15	17-Jan-15	44d	$0	$0
Asphalt		3d		3d	28-Dec-14	31-Dec-14	25-Mar-15	29-Mar-15	-10d	$30,919	$0



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Deir Sha'aar Main Pipeline Project

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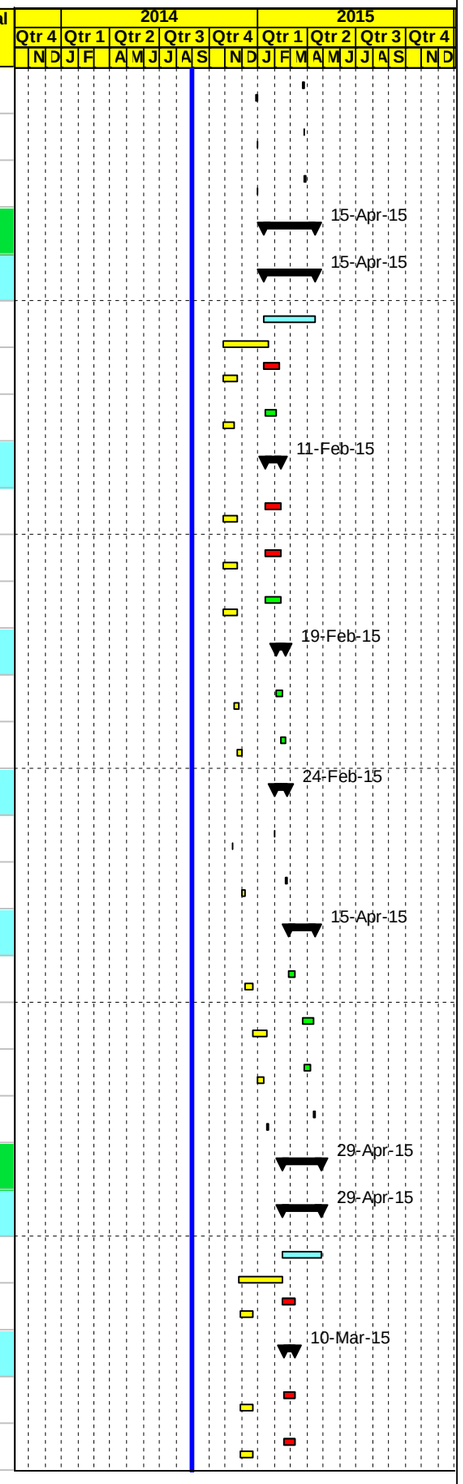
SHT2097	Milling	1d	0%	1d	28-Dec-14	29-Dec-14	25-Mar-15	26-Mar-15	-10d	$5,700	$0
SHT2100	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	1d	0%	1d	29-Dec-14	30-Dec-14	26-Mar-15	28-Mar-15	-10d	$1,140	$0
SHT2110	5 cm asphalt wearing course including tack coat	1d	0%	1d	30-Dec-14	31-Dec-14	28-Mar-15	29-Mar-15	-10d	$24,079	$0
Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4+640		94d		94d	27-Oct-14	20-Jan-15	12-Jan-15	15-Apr-15	-27d	$633,864	$0
Safety , Excavation Works and Pipe Culvert		75d		75d	27-Oct-14	20-Jan-15	12-Jan-15	15-Apr-15	-22d	$36,513	$0
SHT2120	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	75d	0%	75d	27-Oct-14	20-Jan-15	12-Jan-15	15-Apr-15	-22d	$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	12-Jan-15	09-Feb-15	-58d	$19,928	$0
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	14-Jan-15	03-Feb-15	7d	$16,585	$0
Pipe Installation		21d		21d	29-Oct-14	24-Nov-14	14-Jan-15	11-Feb-15	-16d	$428,545	$0
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	14-Jan-15	11-Feb-15	-58d	$31,904	$0
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	14-Jan-15	11-Feb-15	-58d	$364,728	$0
SHT2160	Backfill the pipe trench with approved materials to the required level	21d	0%	21d	29-Oct-14	24-Nov-14	14-Jan-15	11-Feb-15	-16d	$31,913	$0
Civil Chamber work		13d		13d	16-Nov-14	02-Dec-14	04-Feb-15	19-Feb-15	-16d	$72,000	$0
SHT2180	Construct - 250 AR/AV Valve chamber @ Sta.4+080	8d	0%	8d	16-Nov-14	26-Nov-14	04-Feb-15	14-Feb-15	-16d	$0	$0
SHT2190	Construct - 250 Wash out Valve chamber @ Sta.4+600	8d	0%	8d	23-Nov-14	02-Dec-14	11-Feb-15	19-Feb-15	-16d	$72,000	$0
Testing		25d		25d	15-Nov-14	08-Dec-14	31-Jan-15	24-Feb-15	-20d	$0	$0
SHT2193	Radiographic Testing (RT)	1d	0%	1d	15-Nov-14	15-Nov-14	31-Jan-15	31-Jan-15	-2d	$0	$0
SHT2195	Pressure Testing	4d	0%	4d	02-Dec-14	08-Dec-14	21-Feb-15	24-Feb-15	-16d	$0	$0
Base course Stone Wall and Asphalt		41d		41d	08-Dec-14	20-Jan-15	25-Feb-15	15-Apr-15	-22d	$96,806	$0
SHT2200	Final Finish Sub grade & 20 cm base course layer	11d	0%	11d	08-Dec-14	23-Dec-14	25-Feb-15	10-Mar-15	-16d	$32,355	$0
SHT2202	Stone Wall RHS	17d	0%	17d	23-Dec-14	18-Jan-15	23-Mar-15	13-Apr-15	-36d	$7,875	$0
SHT2205	Stone Wall LHS	10d	0%	10d	29-Dec-14	12-Jan-15	26-Mar-15	07-Apr-15	-36d	$5,400	$0
SHT2210	5 cm asphalt wearing course including prime coat	2d	0%	2d	18-Jan-15	20-Jan-15	13-Apr-15	15-Apr-15	-22d	$51,176	$0
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+640-		74d		74d	26-Nov-14	14-Feb-15	15-Feb-15	29-Apr-15	-43d	$637,859	$0
Safety , Excavation Works and Pipe Culvert		62d		62d	26-Nov-14	14-Feb-15	15-Feb-15	29-Apr-15	-36d	$15,664	$0
SHT2220	Maintain traffic control plan including road grading and widening ,coordination with local and all parties	62d	0%	62d	26-Nov-14	14-Feb-15	15-Feb-15	29-Apr-15	-36d	$0	$0
SHT2230	Road excavation and backfilling to the required subgrade level	18d	0%	18d	27-Nov-14	22-Dec-14	16-Feb-15	09-Mar-15	-58d	$15,664	$0
Pipe Installation		18d		18d	29-Nov-14	23-Dec-14	17-Feb-15	10-Mar-15	-54d	$328,321	$0
SHT2240	Trench excavation for 760 mm main Pipeline with length approx. (660 LM)	18d	0%	18d	29-Nov-14	23-Dec-14	17-Feb-15	10-Mar-15	-58d	$18,536	$0
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	17-Feb-15	10-Mar-15	-58d	$289,263	$0



Project Baseline Bar
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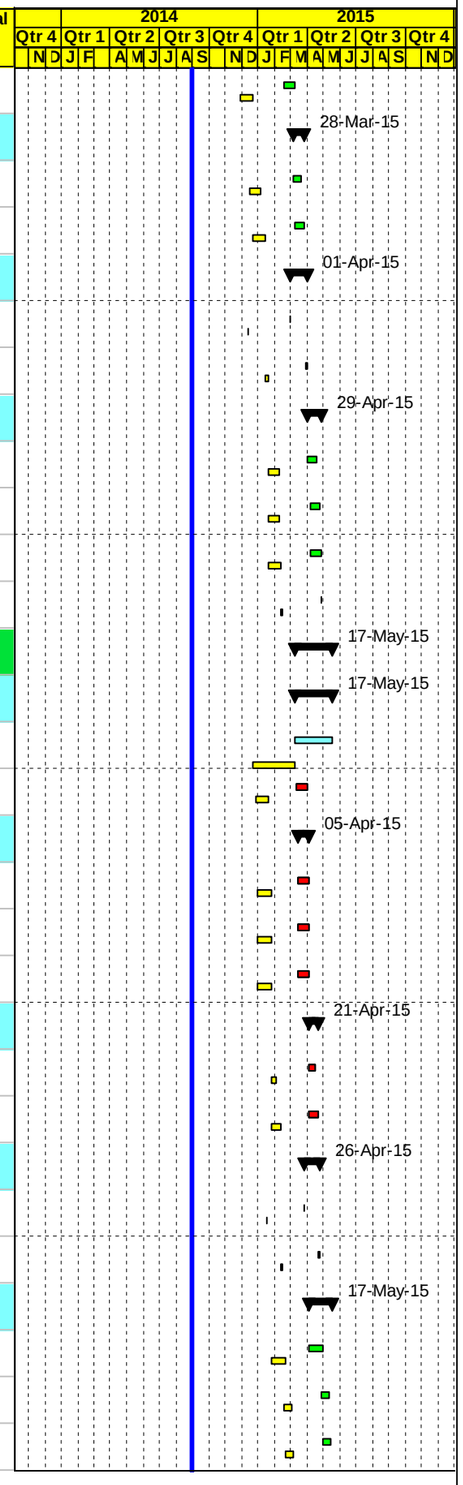
SHT2260	Backfill the pipe trench with approved materials to the required level	18d	0%	18d	29-Nov-14	23-Dec-14	17-Feb-15	10-Mar-15	-54d	$20,522	$0
Chamber work		19d		19d	17-Dec-14	14-Jan-15	07-Mar-15	28-Mar-15	-37d	$206,000	$0
SHT2270	Construct -AR/AV Valve chamber @ Sta.5+020	13d	0%	13d	17-Dec-14	06-Jan-15	07-Mar-15	21-Mar-15	-37d	$16,000	$0
SHT2280	Construct -Beit Ummar Flow Monitoring chamber @ Sta 4+640	15d	0%	15d	23-Dec-14	14-Jan-15	11-Mar-15	28-Mar-15	-37d	$190,000	$0
Testing		33d		33d	13-Dec-14	20-Jan-15	28-Feb-15	01-Apr-15	-44d	$0	$0
SHT2283	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	13-Dec-14	28-Feb-15	28-Feb-15	-9d	$0	$0
SHT2285	Pressure Testing	4d	0%	4d	14-Jan-15	20-Jan-15	29-Mar-15	01-Apr-15	-37d	$0	$0
Base course , Stone Wall and Asphalt		23d		23d	20-Jan-15	14-Feb-15	02-Apr-15	29-Apr-15	-36d	$87,874	$0
SHT2300	Final Finish Sub grade & 20 cm base course layer	13d	0%	13d	20-Jan-15	08-Feb-15	02-Apr-15	18-Apr-15	-37d	$28,722	$0
SHT2305	Stone Wall RHS	15d	0%	15d	20-Jan-15	10-Feb-15	07-Apr-15	26-Apr-15	-36d	$6,750	$0
SHT2308	Stone Wall LHS	15d	0%	15d	21-Jan-15	11-Feb-15	08-Apr-15	27-Apr-15	-36d	$7,200	$0
SHT2310	5 cm asphalt wearing course including prime coat	2d	0%	2d	11-Feb-15	14-Feb-15	27-Apr-15	29-Apr-15	-36d	$45,202	$0
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+300-		68d		68d	23-Dec-14	10-Mar-15	11-Mar-15	17-May-15	-59d	$532,003	$0
Safety and Excavation Works		57d		57d	23-Dec-14	10-Mar-15	11-Mar-15	17-May-15	-49d	$12,480	$0
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	11-Mar-15	17-May-15	-49d	$0	$0
SHT2330	Road excavation and backfilling to the required subgrade level	18d	0%	18d	27-Dec-14	20-Jan-15	12-Mar-15	01-Apr-15	-58d	$12,480	$0
Pipe Installation		18d		18d	30-Dec-14	25-Jan-15	16-Mar-15	05-Apr-15	-58d	$338,231	$0
SHT2340	Trench excavation for 760 mm main Pipeline with length approx. (680 LM)	18d	0%	18d	30-Dec-14	25-Jan-15	16-Mar-15	05-Apr-15	-58d	$19,096	$0
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	16-Mar-15	05-Apr-15	-58d	$297,993	$0
SHT2360	Backfill the pipe trench with approved materials to the required level	18d	0%	18d	30-Dec-14	25-Jan-15	16-Mar-15	05-Apr-15	-58d	$21,142	$0
Civil Chamber work		13d		13d	25-Jan-15	11-Feb-15	06-Apr-15	21-Apr-15	-58d	$88,000	$0
SHT2370	Construct - 250 Wash out Valve chamber @ Sta.5+900	8d	0%	8d	25-Jan-15	04-Feb-15	06-Apr-15	15-Apr-15	-58d	$72,000	$0
SHT2380	Construct -AR/AV Valve chamber @ Sta.5+580	13d	0%	13d	25-Jan-15	11-Feb-15	06-Apr-15	21-Apr-15	-58d	$16,000	$0
Testing		30d		30d	17-Jan-15	16-Feb-15	28-Mar-15	26-Apr-15	-54d	$0	$0
SHT2383	Radiographic Testing (RT)	1d	0%	1d	17-Jan-15	17-Jan-15	28-Mar-15	28-Mar-15	-9d	$0	$0
SHT2385	Pressure Testing	4d	0%	4d	11-Feb-15	16-Feb-15	22-Apr-15	26-Apr-15	-44d	$0	$0
Base course , Stone Wall and Asphalt		35d		35d	25-Jan-15	10-Mar-15	06-Apr-15	17-May-15	-49d	$93,292	$0
SHT2386	Stone Wall RHS	21d	0%	21d	25-Jan-15	21-Feb-15	06-Apr-15	30-Apr-15	-49d	$11,250	$0
SHT2390	Final Finish Sub grade & 20 cm base course layer	13d	0%	13d	17-Feb-15	04-Mar-15	28-Apr-15	12-May-15	-45d	$29,713	$0
SHT2388	Stone Wall LHS	12d	0%	12d	21-Feb-15	08-Mar-15	02-May-15	14-May-15	-49d	$5,400	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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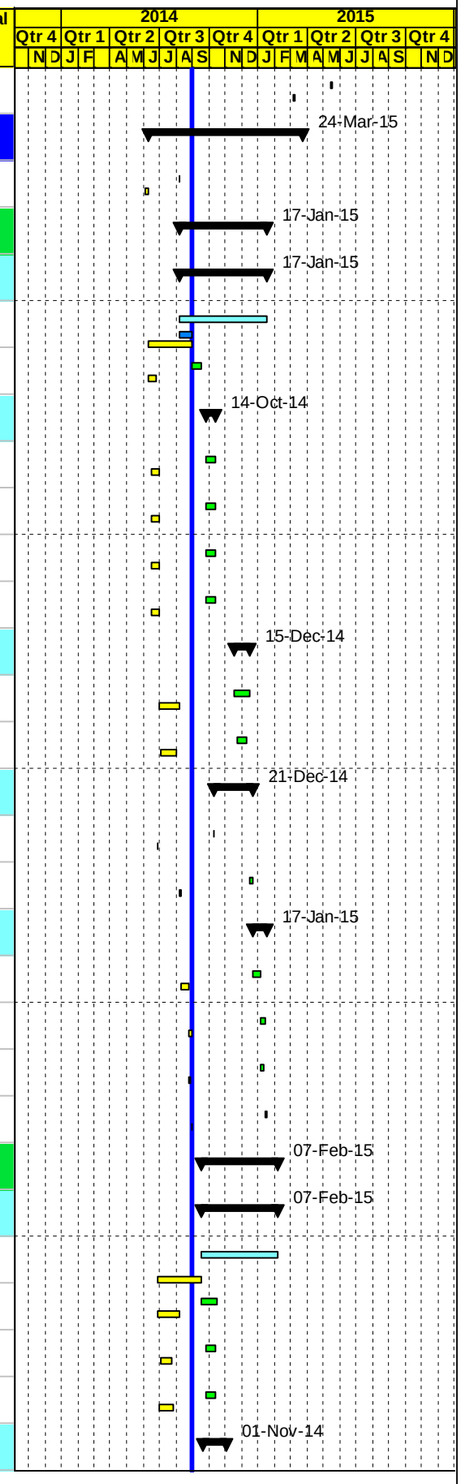
SHT2400	5 cm asphalt wearing course including prime coat	2d	0%	2d	08-Mar-15	10-Mar-15	16-May-15	17-May-15	-49d	$46,928	$0
Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980		256d		204d	04-Jun-14	26-Mar-15	11-Jun-14 A	24-Mar-15	22d	$6,677,988	$245,839
SHT2405	Implement traffic control Phase Four	5d	100%	0d	04-Jun-14	09-Jun-14	09-Aug-14 A	09-Aug-14 A		$0	$0
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		144d		138d	10-Jun-14	01-Sep-14	09-Aug-14 A	17-Jan-15	21d	$697,112	$0
Safety and Excavation Works		79d		105d	10-Jun-14	01-Sep-14	09-Aug-14 A	17-Jan-15	15d	$18,016	$0
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	79d	0%	105d	10-Jun-14	01-Sep-14	09-Aug-14 A	17-Jan-15	15d	$0	$0
SHT2420	Road excavation and backfilling to the required subgrade level	14d	0%	14d	11-Jun-14	26-Jun-14	01-Sep-14	16-Sep-14	49d	$18,016	$0
Pipe Installation		13d		13d	15-Jun-14	30-Jun-14	25-Sep-14	14-Oct-14	33d	$229,221	$0
SHT2430	Trench excavation for 760 mm main Pipeline with length approx. (460 LM)	13d	0%	13d	15-Jun-14	30-Jun-14	25-Sep-14	14-Oct-14	31d	$12,936	$0
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	25-Sep-14	14-Oct-14	31d	$201,963	$0
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	25-Sep-14	14-Oct-14	31d	$0	$0
SHT2460	Backfill the pipe trench with approved materials to the required level	13d	0%	13d	15-Jun-14	30-Jun-14	25-Sep-14	14-Oct-14	33d	$14,322	$0
Civil Chamber work		20d		20d	30-Jun-14	06-Aug-14	18-Nov-14	15-Dec-14	2d	$353,000	$0
SHT2470	Construct - Halhul reservoir connection chamber @ Sta.11+390	20d	0%	20d	30-Jun-14	06-Aug-14	18-Nov-14	15-Dec-14	2d	$340,000	$0
SHT2480	Construct - 150 AR/AV Valve chamber @ Sta.11+460	13d	0%	13d	05-Jul-14	02-Aug-14	23-Nov-14	09-Dec-14	6d	$13,000	$0
Testing		71d		71d	28-Jun-14	11-Aug-14	11-Oct-14	21-Dec-14	2d	$0	$0
SHT2482	Radiographic Testing (RT)	1d	0%	1d	28-Jun-14	28-Jun-14	11-Oct-14	11-Oct-14	6d	$0	$0
SHT2485	Pressure Testing	4d	0%	4d	06-Aug-14	11-Aug-14	15-Dec-14	21-Dec-14	2d	$0	$0
Base course , Stone Wall and Asphalt		18d		18d	11-Aug-14	01-Sep-14	21-Dec-14	17-Jan-15	15d	$96,875	$0
SHT2490	Final Finish Sub grade & 20 cm base course layer	11d	0%	11d	11-Aug-14	24-Aug-14	21-Dec-14	06-Jan-15	2d	$20,140	$0
SHT2497	Stone Wall RHS	5d	0%	5d	24-Aug-14	30-Aug-14	06-Jan-15	13-Jan-15	2d	$5,400	$0
SHT2495	Asphalt Reinstatements over pipe trench	4d	0%	4d	24-Aug-14	28-Aug-14	06-Jan-15	12-Jan-15	16d	$38,912	$0
SHT2500	5 cm asphalt wearing course including prime coat	2d	0%	2d	30-Aug-14	01-Sep-14	13-Jan-15	17-Jan-15	15d	$32,423	$0
Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460		143d		143d	28-Jun-14	18-Sep-14	17-Sep-14	07-Feb-15	2d	$474,993	$0
Safety , Excavation Works ,Pipe Culvert and concrete wall		106d		106d	28-Jun-14	18-Sep-14	17-Sep-14	07-Feb-15	2d	$59,366	$0
SHT2510	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	106d	0%	106d	28-Jun-14	18-Sep-14	17-Sep-14	07-Feb-15	2d	$0	$0
SHT2520	Road excavation and backfilling to the required subgrade level	21d	0%	21d	29-Jun-14	06-Aug-14	18-Sep-14	16-Oct-14	50d	$8,336	$0
SHT2540	concrete retaining wall from sta. 10+650 to 10+680 RHS	11d	0%	11d	03-Jul-14	23-Jul-14	25-Sep-14	12-Oct-14	69d	$24,600	$0
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	25-Sep-14	14-Oct-14	74d	$26,430	$0
Pipe Installation		32d		32d	01-Jul-14	02-Aug-14	21-Sep-14	01-Nov-14	33d	$268,861	$0



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
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APCO/ArCon CONSTRUCTION AND SERVICES

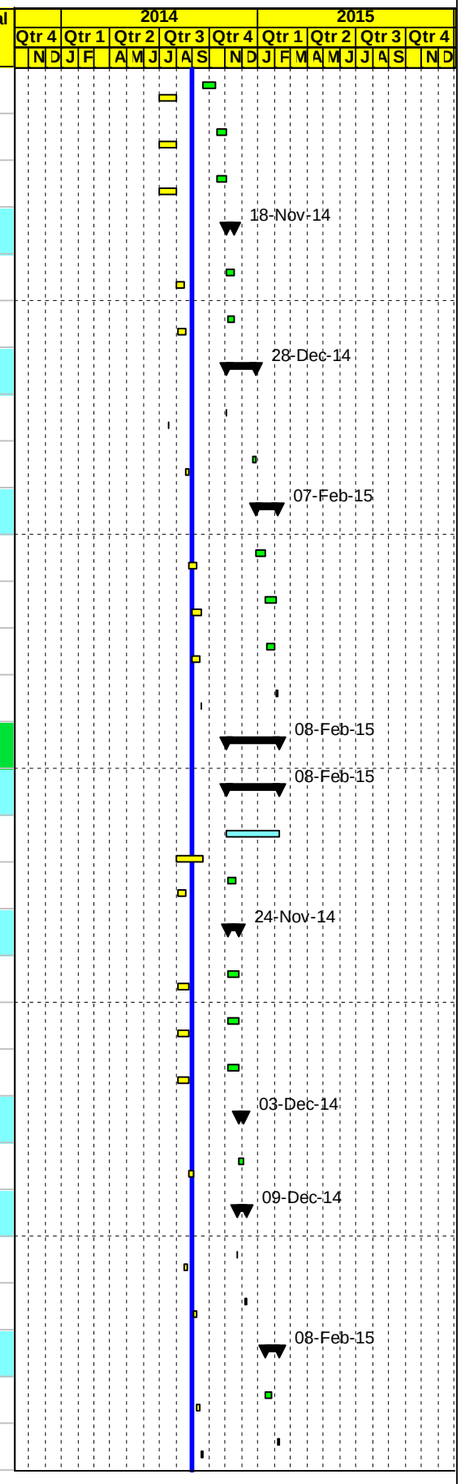
Updated Construction Program

August 31, 2014

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT2530	Trench excavation for 760 mm main Pipeline with length approx. (540 LM)	15d	0%	15d	01-Jul-14	02-Aug-14	21-Sep-14	12-Oct-14	50d	$15,176	$0
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	15-Oct-14	01-Nov-14	33d	$236,883	$0
SHT2560	Backfill the pipe trench with approved materials to the required level	15d	0%	15d	01-Jul-14	02-Aug-14	15-Oct-14	01-Nov-14	33d	$16,802	$0
Civil Chamber work		15d		15d	02-Aug-14	19-Aug-14	02-Nov-14	18-Nov-14	33d	$74,000	$0
SHT2570	Construct - 150 AR/AV Valve chamber @ Sta.10+900	13d	0%	13d	02-Aug-14	17-Aug-14	02-Nov-14	16-Nov-14	33d	$13,000	$0
SHT2580	Construct - 250 Wash out Valve chamber @ Sta.10+600	13d	0%	13d	04-Aug-14	19-Aug-14	04-Nov-14	18-Nov-14	33d	$61,000	$0
Testing		57d		57d	19-Jul-14	24-Aug-14	01-Nov-14	28-Dec-14	14d	$0	$0
SHT2583	Radiographic Testing (RT)	1d	0%	1d	19-Jul-14	19-Jul-14	01-Nov-14	01-Nov-14	6d	$0	$0
SHT2585	Pressure Testing	4d	0%	4d	19-Aug-14	24-Aug-14	21-Dec-14	28-Dec-14	10d	$0	$0
Base course , Stone Wall and Asphalt		29d		29d	24-Aug-14	18-Sep-14	28-Dec-14	07-Feb-15	2d	$72,766	$0
SHT2600	Final Finish Sub grade & 20 cm base course layer	12d	0%	12d	24-Aug-14	07-Sep-14	28-Dec-14	13-Jan-15	10d	$23,773	$0
SHT2601	Stone Wall RHS	15d	0%	15d	30-Aug-14	16-Sep-14	13-Jan-15	03-Feb-15	2d	$6,750	$0
SHT2604	Stone Wall LHS	10d	0%	10d	01-Sep-14	13-Sep-14	17-Jan-15	31-Jan-15	5d	$4,725	$0
SHT2610	5 cm asphalt wearing course including prime coat	2d	0%	2d	16-Sep-14	18-Sep-14	03-Feb-15	07-Feb-15	2d	$37,518	$0
Main pipelines & (Reconstruction 4m Exist. aspalt Road at residential area) St.10+460 to 9+880		98d		98d	02-Aug-14	20-Sep-14	02-Nov-14	08-Feb-15	2d	$373,721	$0
Safety and Excavation Works		72d		72d	02-Aug-14	20-Sep-14	02-Nov-14	08-Feb-15	2d	$6,040	$0
SHT2620	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	72d	0%	72d	02-Aug-14	20-Sep-14	02-Nov-14	08-Feb-15	2d	$0	$0
SHT2630	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	14d	0%	14d	04-Aug-14	20-Aug-14	04-Nov-14	19-Nov-14	33d	$6,040	$0
Pipe Installation		16d		16d	05-Aug-14	24-Aug-14	05-Nov-14	24-Nov-14	33d	$288,681	$0
SHT2640	Trench excavation for 760 mm main Pipeline with length approx. (580 LM)	16d	0%	16d	05-Aug-14	24-Aug-14	05-Nov-14	24-Nov-14	33d	$16,296	$0
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	05-Nov-14	24-Nov-14	33d	$254,343	$0
SHT2660	Backfill the pipe trench with approved materials to the required level	16d	0%	16d	05-Aug-14	24-Aug-14	05-Nov-14	24-Nov-14	33d	$18,042	$0
Chamber work		8d		8d	24-Aug-14	02-Sep-14	25-Nov-14	03-Dec-14	33d	$13,000	$0
SHT2670	Construct - 150 AR/AV Valve chamber @ Sta.10+180	8d	0%	8d	24-Aug-14	02-Sep-14	25-Nov-14	03-Dec-14	33d	$13,000	$0
Testing		18d		18d	16-Aug-14	07-Sep-14	22-Nov-14	09-Dec-14	48d	$0	$0
SHT2673	Radiographic Testing (RT)	1d	0%	1d	16-Aug-14	23-Aug-14	22-Nov-14	22-Nov-14	7d	$0	$0
SHT2675	Pressure Testing	4d	0%	4d	02-Sep-14	07-Sep-14	06-Dec-14	09-Dec-14	33d	$0	$0
Base course and Asphalt		18d		18d	07-Sep-14	20-Sep-14	13-Jan-15	08-Feb-15	2d	$66,000	$0
SHT2680	Final Finish Sub grade & 20 cm base course layer	7d	0%	7d	07-Sep-14	15-Sep-14	13-Jan-15	24-Jan-15	10d	$25,093	$0
SHT2690	5 cm asphalt wearing couse including prime coat	1d	0%	1d	18-Sep-14	20-Sep-14	07-Feb-15	08-Feb-15	2d	$40,906	$0



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

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APCO ArCon
CONSTRUCTION AND SERVICES

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TO16

Deir Sha'aar Main Pipeline Project

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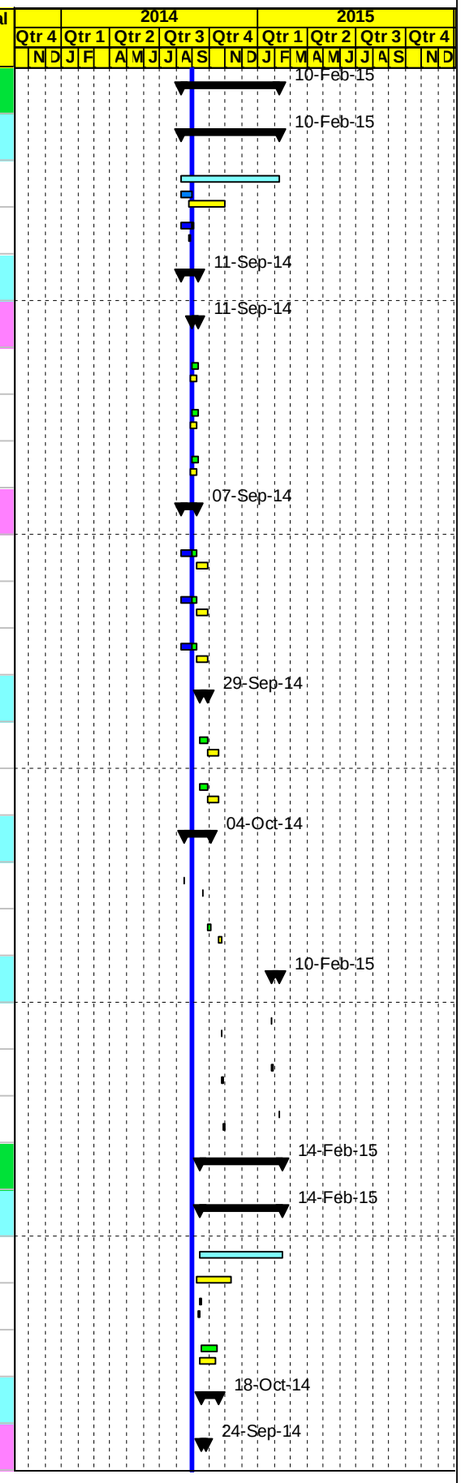
Main pipelines&(Milling&overlay 11-13m width Exist road at residential area)St.9+880 - 9+070		185d		162d	24-Aug-14	30-Oct-14	09-Aug-14 A	10-Feb-15	2d	$744,087	$237,839
Safety and Milling		96d		123d	24-Aug-14	30-Oct-14	09-Aug-14 A	10-Feb-15	2d	$0	$0
SHT2700	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	96d	10%	123d	24-Aug-14	30-Oct-14	09-Aug-14 A	10-Feb-15	2d	$0	$0
SHT2710	saw cut asphalt	2d	30%	1d	26-Aug-14	28-Aug-14	10-Aug-14 A	02-Sep-14	9d	$0	$0
Pipe Installation		27d		10d	27-Aug-14	28-Sep-14	10-Aug-14 A	11-Sep-14	28d	$506,498	$237,839
760 mm main pipeline & dist.pipe150 mm		10d		10d	27-Aug-14	08-Sep-14	01-Sep-14	11-Sep-14	9d	$140,593	$0
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	01-Sep-14	11-Sep-14	9d	$10,378	$0
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	01-Sep-14	11-Sep-14	9d	$119,750	$0
SHT2740	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	27-Aug-14	08-Sep-14	01-Sep-14	11-Sep-14	9d	$10,465	$0
760 mm main pipeline & 200mm dist.pipeline		16d		6d	09-Sep-14	28-Sep-14	10-Aug-14 A	07-Sep-14	32d	$365,905	$237,839
SHT2750	Trench excavation for 760 mm main pipeline & 200mm dist.pipeline from 9+650 to 9+070(580 LM)	16d	65%	6d	09-Sep-14	28-Sep-14	10-Aug-14 A	07-Sep-14	18d	$26,919	$17,497
SHT2753	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	16d	65%	6d	09-Sep-14	28-Sep-14	10-Aug-14 A	07-Sep-14	32d	$311,991	$202,794
SHT2755	Backfill the pipe trench with approved materials to the required level	16d	65%	6d	09-Sep-14	28-Sep-14	10-Aug-14 A	07-Sep-14	32d	$26,996	$17,547
Civil Chamber work		15d		15d	28-Sep-14	20-Oct-14	13-Sep-14	29-Sep-14	91d	$58,000	$0
SHT2760	Construct - AR/AV Valve chamber @ Sta.9+700 and 9+440	13d	0%	13d	28-Sep-14	18-Oct-14	13-Sep-14	27-Sep-14	91d	$38,500	$0
SHT2770	Construct - Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	13d	0%	13d	30-Sep-14	20-Oct-14	15-Sep-14	29-Sep-14	91d	$19,500	$0
Testing		5d		5d	20-Sep-14	25-Oct-14	18-Aug-14 A	04-Oct-14	125d	$0	$0
SHT2772	Radiographic Testing (RT)	1d	100%	0d	20-Sep-14	20-Sep-14	18-Aug-14 A	18-Aug-14 A		$0	$0
SHT2775	Pressure Testing	4d	0%	4d	20-Oct-14	25-Oct-14	30-Sep-14	04-Oct-14	91d	$0	$0
Basecourse and Asphalt		13d		13d	25-Oct-14	30-Oct-14	24-Jan-15	10-Feb-15	2d	$179,589	$0
SHT2777	Milling	1d	0%	1d	25-Oct-14	26-Oct-14	24-Jan-15	25-Jan-15	10d	$19,500	$0
SHT2780	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	26-Oct-14	28-Oct-14	25-Jan-15	27-Jan-15	10d	$4,408	$0
SHT2790	5 cm asphalt wearing course including tack coat	2d	0%	2d	28-Oct-14	30-Oct-14	08-Feb-15	10-Feb-15	2d	$155,681	$0
Main pipelines &(Milling &over lay two lane width Exist road at residential area)St.9+070 -8+2		154d		154d	08-Sep-14	12-Nov-14	13-Sep-14	14-Feb-15	2d	$1,080,273	$0
Safety , Milling and Storm system		116d		116d	08-Sep-14	12-Nov-14	13-Sep-14	14-Feb-15	2d	$297,240	$0
SHT2800	Maintain traffic control and safety plan RHS , coordination with local and all parties	116d	0%	116d	08-Sep-14	12-Nov-14	13-Sep-14	14-Feb-15	2d	$0	$0
SHT2810	Saw cut asphalt	2d	0%	2d	10-Sep-14	13-Sep-14	15-Sep-14	16-Sep-14	9d	$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	17-Sep-14	15-Oct-14	90d	$297,240	$0
Pipe Installation		23d		23d	28-Sep-14	29-Oct-14	17-Sep-14	18-Oct-14	63d	$493,116	$0
760 mm main pipeline and 300mm dist.pipeline		7d		7d	28-Sep-14	11-Oct-14	17-Sep-14	24-Sep-14	79d	$128,423	$0



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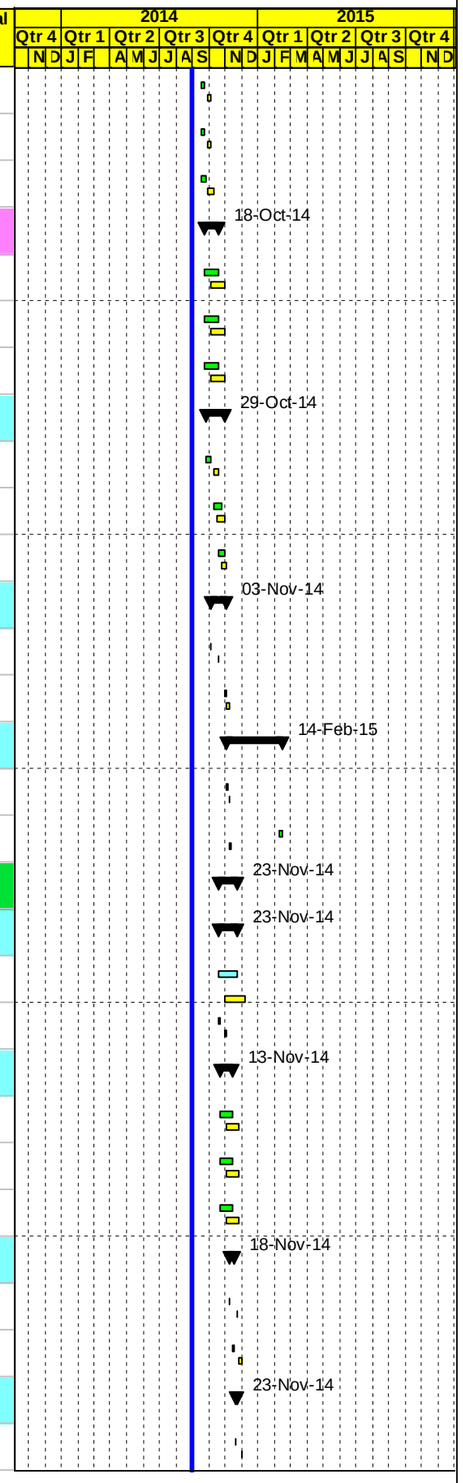
SHT2820	Trench excavation for 760 mm main pipeline and 300mm dist.pipeline from 9+070 to 8+880 (190 LM)	6d	0%	6d	28-Sep-14	05-Oct-14	17-Sep-14	23-Sep-14	9d	$8,948	$0
SHT2830	Bedding layer & install the all main Steel pipeline including required welding inspection / sectional testing (UT)	6d	0%	6d	28-Sep-14	05-Oct-14	17-Sep-14	23-Sep-14	24d	$110,085	$0
SHT2850	Backfill the pipe trench with approved materials to the required level including base course	6d	0%	6d	29-Sep-14	11-Oct-14	18-Sep-14	24-Sep-14	79d	$9,390	$0
760 mm main pipeline and 150mm dist.pipeline		17d		17d	05-Oct-14	29-Oct-14	24-Sep-14	18-Oct-14	13d	$364,693	$0
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	24-Sep-14	18-Oct-14	9d	$28,856	$0
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	24-Sep-14	18-Oct-14	12d	$310,713	$0
SHT2864	Backfill the pipe trench with approved materials to the required level including base course	17d	0%	17d	05-Oct-14	29-Oct-14	24-Sep-14	18-Oct-14	13d	$25,124	$0
Civil Chamber work		25d		25d	11-Oct-14	03-Nov-14	25-Sep-14	29-Oct-14	74d	$137,000	$0
SHT2865	Construct - Butterfly.chamber @ Sta.8+880	8d	0%	8d	11-Oct-14	20-Oct-14	25-Sep-14	04-Oct-14	79d	$40,000	$0
SHT2870	Construct - Halhul connection chamber@ Sta. 8+880 RHS	13d	0%	13d	15-Oct-14	30-Oct-14	11-Oct-14	26-Oct-14	74d	$84,000	$0
SHT2880	Construct - 150 AR/AV Valve chamber @ Sta. 8+400	8d	0%	8d	25-Oct-14	03-Nov-14	20-Oct-14	29-Oct-14	74d	$13,000	$0
Testing		30d		30d	18-Oct-14	08-Nov-14	04-Oct-14	03-Nov-14	100d	$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	29-Oct-14	03-Nov-14	74d	$0	$0
Asphalt		76d		76d	08-Nov-14	12-Nov-14	03-Nov-14	14-Feb-15	2d	$152,918	$0
SHT2888	Milling	1d	0%	1d	08-Nov-14	09-Nov-14	03-Nov-14	04-Nov-14	74d	$16,500	$0
SHT2900	Asphalt Reinstatements over pipe trench including prime coat and 5 cm asphalt wearing layer	3d	0%	3d	09-Nov-14	12-Nov-14	10-Feb-15	14-Feb-15	2d	$136,418	$0
Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+240-7+5		36d		36d	29-Oct-14	06-Dec-14	19-Oct-14	23-Nov-14	55d	$596,777	$0
Safety and Milling		30d		30d	29-Oct-14	06-Dec-14	19-Oct-14	23-Nov-14	39d	$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	19-Oct-14	23-Nov-14	39d	$0	$0
SHT2920	Saw cut asphalt	2d	0%	2d	30-Oct-14	02-Nov-14	20-Oct-14	21-Oct-14	9d	$0	$0
Pipe Installation		20d		20d	02-Nov-14	26-Nov-14	22-Oct-14	13-Nov-14	10d	$436,069	$0
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	22-Oct-14	13-Nov-14	9d	$32,709	$0
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	22-Oct-14	13-Nov-14	9d	$371,512	$0
SHT2950	Backfill the pipe trench with approved materials to the required level including base course	20d	0%	20d	02-Nov-14	26-Nov-14	22-Oct-14	13-Nov-14	10d	$31,848	$0
Testing		11d		11d	22-Nov-14	01-Dec-14	08-Nov-14	18-Nov-14	55d	$0	$0
SHT2952	Radiographic Testing (RT)	1d	0%	1d	22-Nov-14	22-Nov-14	08-Nov-14	08-Nov-14	2d	$0	$0
SHT2955	Pressure Testing	4d	0%	4d	26-Nov-14	01-Dec-14	15-Nov-14	18-Nov-14	39d	$0	$0
Asphalt		3d		3d	01-Dec-14	06-Dec-14	19-Nov-14	23-Nov-14	39d	$160,708	$0
SHT2957	Milling	1d	0%	1d	01-Dec-14	02-Dec-14	19-Nov-14	19-Nov-14	39d	$16,500	$0



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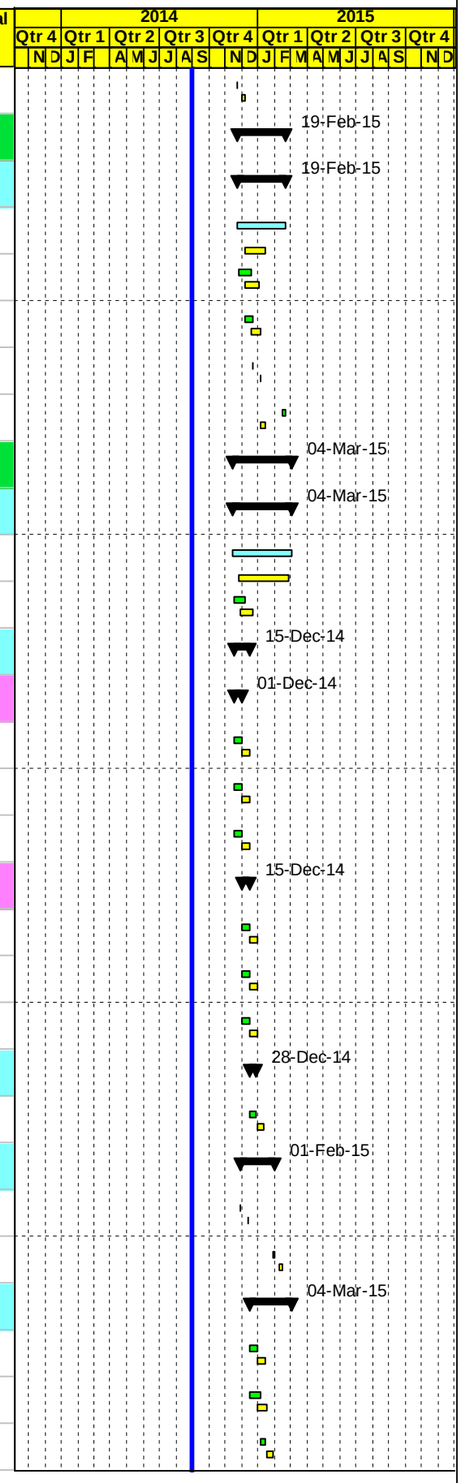
SHT2960	Asphalt Reinstatements over pipe trench including prime coat and 5 cm asphalt wearing layer	2d	0%	2d	02-Dec-14	06-Dec-14	22-Nov-14	23-Nov-14	39d	$144,208	$0
Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+070 -7+5		64d		64d	06-Dec-14	13-Jan-15	24-Nov-14	19-Feb-15	2d	$540,491	$0
Road Works		64d		64d	06-Dec-14	13-Jan-15	24-Nov-14	19-Feb-15	2d	$540,491	$0
SHT2970	Maintain traffic control and safety plan RHS , coordination with local and all parties	64d	0%	64d	06-Dec-14	13-Jan-15	24-Nov-14	19-Feb-15	2d	$0	$0
SHT2980	Construct 400 mm crossing precast concrete pipe for storm system with catch basin from sta. 9+060 to 8+240 LHS	18d	0%	18d	07-Dec-14	03-Jan-15	25-Nov-14	17-Dec-14	39d	$45,560	$0
SHT2983	Storm Drain pipe cleaning - remove all debris and sedimet/800mmØ~1000mmØ	10d	0%	10d	20-Dec-14	04-Jan-15	07-Dec-14	20-Dec-14	39d	$6,500	$0
SHT2990	Asphalt Reinstatement over storm pipe trench	2d	0%	2d	04-Jan-15	06-Jan-15	21-Dec-14	22-Dec-14	39d	$6,954	$0
SHT3000	5 cm asphalt wearing course including tack coat	5d	0%	5d	06-Jan-15	13-Jan-15	14-Feb-15	19-Feb-15	2d	$481,477	$0
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+8		109d		109d	26-Nov-14	26-Feb-15	15-Nov-14	04-Mar-15	4d	$949,058	$0
Safety and Excavation Works		82d		82d	26-Nov-14	26-Feb-15	15-Nov-14	04-Mar-15	2d	$47,680	$0
SHT3010	Implement traffic control and safety plan ,all coordination and relocate utilities if required	82d	0%	82d	26-Nov-14	26-Feb-15	15-Nov-14	04-Mar-15	2d	$0	$0
SHT3020	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	17d	0%	17d	27-Nov-14	21-Dec-14	16-Nov-14	07-Dec-14	9d	$47,680	$0
Pipe Installation		21d		21d	30-Nov-14	30-Dec-14	18-Nov-14	15-Dec-14	16d	$439,686	$0
760 mm main pipeline and 150 mm dist.pipeline		11d		11d	30-Nov-14	15-Dec-14	18-Nov-14	01-Dec-14	16d	$254,675	$0
SHT3070	Backfill the pipe trench with approved materials to the required level	11d	0%	11d	30-Nov-14	15-Dec-14	18-Nov-14	01-Dec-14	16d	$21,611	$0
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	18-Nov-14	01-Dec-14	9d	$16,110	$0
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	18-Nov-14	01-Dec-14	9d	$216,955	$0
760 mm main pipeline and 100 mm dist.pipeline		10d		10d	15-Dec-14	30-Dec-14	02-Dec-14	15-Dec-14	16d	$185,011	$0
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	02-Dec-14	15-Dec-14	9d	$13,882	$0
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	02-Dec-14	15-Dec-14	9d	$157,280	$0
SHT3076	Backfill the pipe trench with approved materials to the required level	10d	0%	10d	15-Dec-14	30-Dec-14	02-Dec-14	15-Dec-14	16d	$13,849	$0
Civil Chamber work		8d		8d	30-Dec-14	11-Jan-15	16-Dec-14	28-Dec-14	37d	$61,000	$0
SHT3100	Construct - 250 Wash out Valve chamber @ Sta.7+220	8d	0%	8d	30-Dec-14	11-Jan-15	16-Dec-14	28-Dec-14	37d	$61,000	$0
Testing		65d		65d	13-Dec-14	14-Feb-15	29-Nov-14	01-Feb-15	20d	$0	$0
SHT3102	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	13-Dec-14	29-Nov-14	29-Nov-14	5d	$0	$0
SHT3105	Pressure Testing	4d	0%	4d	09-Feb-15	14-Feb-15	27-Jan-15	01-Feb-15	16d	$0	$0
Topping, PVC, Base course , Stone Wall , Asphalt and Side Walk		58d		58d	30-Dec-14	26-Feb-15	16-Dec-14	04-Mar-15	2d	$400,692	$0
SHT3110	Final Finish Sub grade & 20 cm thick for toping layer	11d	0%	11d	30-Dec-14	14-Jan-15	16-Dec-14	31-Dec-14	16d	$10,288	$0
SHT3120	Reinf.concrete foundation and PVC conduit cable for street lighting	12d	0%	12d	31-Dec-14	18-Jan-15	17-Dec-14	04-Jan-15	16d	$0	$0
SHT3130	20 cm thick for first base course layer	9d	0%	9d	17-Jan-15	28-Jan-15	04-Jan-15	14-Jan-15	16d	$40,199	$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
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APCO/ArCon CONSTRUCTION AND SERVICES

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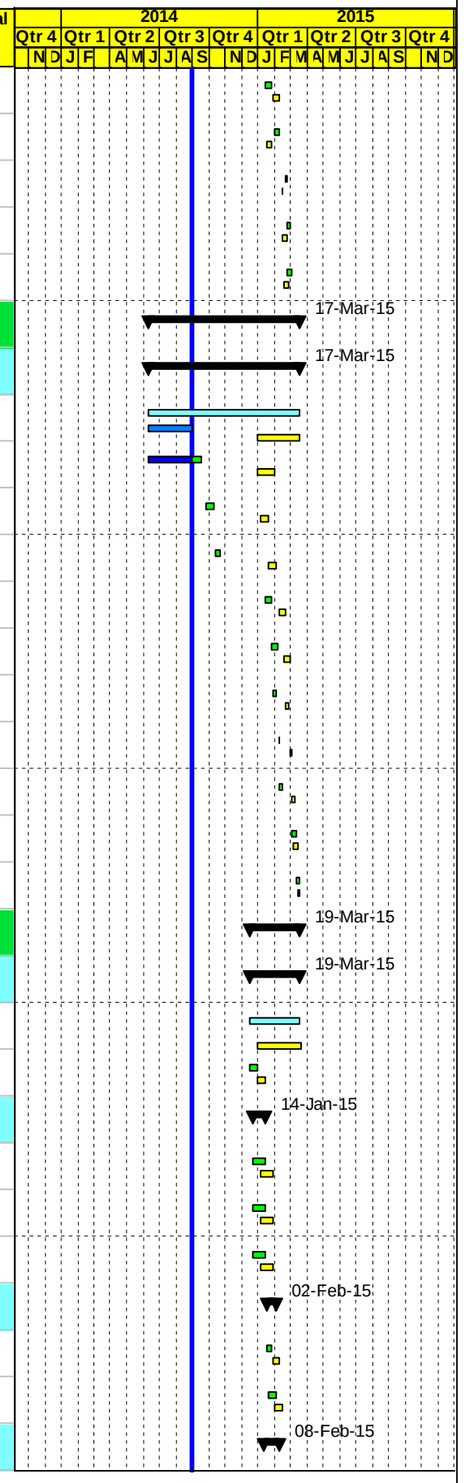
TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float	Budgeted Total Cost	Actual Total Cost
SHT3140	20 cm thick for second base course layer	9d	0%	9d	27-Jan-15	09-Feb-15	14-Jan-15	26-Jan-15	16d	$40,199	$0
SHT3132	Stone Wall RHS	6d	0%	6d	17-Jan-15	25-Jan-15	31-Jan-15	08-Feb-15	12d	$2,025	$0
SHT3150	5cm asphalt binder course including prime coat	2d	0%	2d	14-Feb-15	16-Feb-15	19-Feb-15	22-Feb-15	2d	$194,348	$0
SHT3160	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	16-Feb-15	22-Feb-15	22-Feb-15	28-Feb-15	2d	$35,735	$0
SHT3170	Reinforced concrete side walks, ramps including 15 cm base course under side walk	7d	0%	7d	18-Feb-15	26-Feb-15	24-Feb-15	04-Mar-15	2d	$77,899	$0
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+8		161d		152d	30-Dec-14	19-Mar-15	11-Jun-14 A	17-Mar-15	2d	$659,264	$8,000
Road Works		161d		152d	30-Dec-14	19-Mar-15	11-Jun-14 A	17-Mar-15	2d	$659,264	$8,000
SHT3180	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	61d	5%	152d	30-Dec-14	19-Mar-15	11-Jun-14 A	17-Mar-15	2d	$0	$0
SHT3190	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	21d	25%	16d	31-Dec-14	31-Jan-15	12-Jun-14 A	18-Sep-14	92d	$41,800	$8,000
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	25-Sep-14	11-Oct-14	86d	$9,600	$0
SHT3230	Final Finish Sub grade & 20 cm thick for toping layer	10d	0%	10d	19-Jan-15	02-Feb-15	12-Oct-14	22-Oct-14	86d	$10,288	$0
SHT3240	20 cm thick for first base course layer	9d	0%	9d	09-Feb-15	19-Feb-15	14-Jan-15	26-Jan-15	18d	$40,199	$0
SHT3250	20 cm thick for second base course layer	9d	0%	9d	18-Feb-15	01-Mar-15	26-Jan-15	07-Feb-15	18d	$40,199	$0
SHT3252	Stone Wall LHS	6d	0%	6d	19-Feb-15	26-Feb-15	27-Jan-15	03-Feb-15	32d	$2,025	$0
SHT3260	5cm asphalt binder course including prime coat	2d	0%	2d	01-Mar-15	03-Mar-15	08-Feb-15	09-Feb-15	18d	$194,348	$0
SHT3270	construct curbstone after Saw cut the edge of asphalt binder course	5d	0%	5d	03-Mar-15	10-Mar-15	10-Feb-15	15-Feb-15	18d	$34,265	$0
SHT3280	Reinforced concrete side walks, ramps including 15 cm base course under side walk	7d	0%	7d	08-Mar-15	16-Mar-15	04-Mar-15	14-Mar-15	2d	$77,899	$0
SHT3290	5 cm asphalt wearing course including tack coat LHS &RHS	3d	0%	3d	16-Mar-15	19-Mar-15	14-Mar-15	17-Mar-15	2d	$208,642	$0
Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+840 to		93d		93d	30-Dec-14	22-Mar-15	16-Dec-14	19-Mar-15	3d	$424,786	$0
Safety and Excavation Works		70d		70d	30-Dec-14	22-Mar-15	16-Dec-14	19-Mar-15	2d	$10,600	$0
SHT3300	Maintain traffic control and safety plan to include local access to residence ,all coordination	70d	0%	70d	30-Dec-14	22-Mar-15	16-Dec-14	19-Mar-15	2d	$0	$0
SHT3310	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	9d	0%	9d	31-Dec-14	13-Jan-15	17-Dec-14	30-Dec-14	9d	$10,600	$0
Pipe Installation		17d		17d	05-Jan-15	28-Jan-15	22-Dec-14	14-Jan-15	9d	$308,501	$0
SHT3320	Trench excavation for 760 mm main Pipeline with length approx. (620 LM)	17d	0%	17d	05-Jan-15	28-Jan-15	22-Dec-14	14-Jan-15	9d	$17,416	$0
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	22-Dec-14	14-Jan-15	9d	$271,803	$0
SHT3340	Backfill the pipe trench with approved materials to the required level	17d	0%	17d	05-Jan-15	28-Jan-15	22-Dec-14	14-Jan-15	9d	$19,282	$0
Civil Chamber work		13d		13d	28-Jan-15	15-Feb-15	17-Jan-15	02-Feb-15	23d	$36,000	$0
SHT3350	Construct - 150 AR/AV Valve chamber @ Sta.6+600	8d	0%	8d	28-Jan-15	09-Feb-15	17-Jan-15	26-Jan-15	23d	$13,000	$0
SHT3360	Construct - Karm Tzur Deir Sha'ar connection chamber@ Sta. 6+240 RHS	11d	0%	11d	01-Feb-15	15-Feb-15	19-Jan-15	02-Feb-15	23d	$23,000	$0
Testing		30d		30d	24-Jan-15	19-Feb-15	10-Jan-15	08-Feb-15	28d	$0	$0



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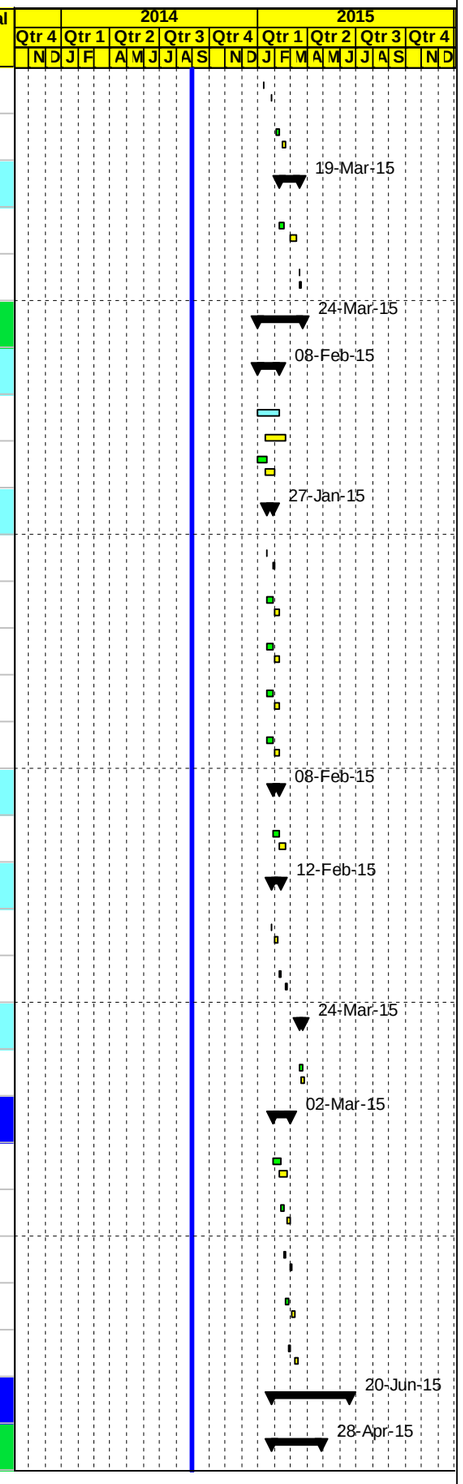
SHT3362	Radiographic Testing (RT)	1d	0%	1d	24-Jan-15	24-Jan-15	10-Jan-15	10-Jan-15	2d	$0	$0
SHT3365	Pressure Testing	4d	0%	4d	15-Feb-15	19-Feb-15	03-Feb-15	08-Feb-15	23d	$0	$0
Base course and Asphalt		32d		32d	01-Mar-15	22-Mar-15	09-Feb-15	19-Mar-15	2d	$69,685	$0
SHT3370	Final Finish Sub grade & 20 cm base course layer	9d	0%	9d	01-Mar-15	12-Mar-15	09-Feb-15	18-Feb-15	23d	$27,072	$0
SHT3380	5 cm asphalt wearing course including prime coat	2d	0%	2d	19-Mar-15	22-Mar-15	17-Mar-15	19-Mar-15	2d	$42,613	$0
Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980		83d		83d	13-Jan-15	26-Mar-15	31-Dec-14	24-Mar-15	22d	$137,428	$0
Safety and Pipe Culvert		28d		28d	13-Jan-15	19-Feb-15	31-Dec-14	08-Feb-15	50d	$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	31-Dec-14	08-Feb-15	9d	$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	31-Dec-14	17-Jan-15	66d	$0	$0
Pipe Installation		9d		9d	28-Jan-15	10-Feb-15	17-Jan-15	27-Jan-15	11d	$119,716	$0
SHT3397	Road Crossing Karm Tzur (Working night shift)	1d	0%	1d	28-Jan-15	31-Jan-15	17-Jan-15	17-Jan-15	9d	$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	18-Jan-15	27-Jan-15	9d	$6,748	$0
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	18-Jan-15	27-Jan-15	11d	$100,315	$0
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	18-Jan-15	27-Jan-15	11d	$7,471	$0
SHT3407	Backfill the pipe trench with approved materials to the required level	8d	0%	8d	31-Jan-15	10-Feb-15	18-Jan-15	27-Jan-15	11d	$5,182	$0
Civil Chamber work		8d		8d	10-Feb-15	19-Feb-15	28-Jan-15	08-Feb-15	9d	$13,000	$0
SHT3410	Construct - 150 AR/AV Valve chamber @ Sta.6+040	8d	0%	8d	10-Feb-15	19-Feb-15	28-Jan-15	08-Feb-15	9d	$13,000	$0
Testing		20d		20d	31-Jan-15	24-Feb-15	24-Jan-15	12-Feb-15	13d	$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	09-Feb-15	12-Feb-15	11d	$0	$0
Asphalt		4d		4d	22-Mar-15	26-Mar-15	19-Mar-15	24-Mar-15	18d	$4,712	$0
SHT3417	Asphalt Reinstatements over pipe trench	4d	0%	4d	22-Mar-15	26-Mar-15	19-Mar-15	24-Mar-15	18d	$4,712	$0
Surge Control System final connection to the booster station		27d		27d	10-Feb-15	15-Mar-15	28-Jan-15	02-Mar-15	19d	$270,000	$0
SHT3438	Concrete Works	10d	0%	10d	10-Feb-15	22-Feb-15	28-Jan-15	10-Feb-15	19d	$0	$0
SHT3440	Installation tank	5d	0%	5d	22-Feb-15	28-Feb-15	11-Feb-15	16-Feb-15	19d	$0	$0
SHT3450	Installation Compressor	3d	0%	3d	28-Feb-15	03-Mar-15	17-Feb-15	19-Feb-15	19d	$0	$0
SHT3455	Surge Control System	5d	0%	5d	03-Mar-15	10-Mar-15	21-Feb-15	25-Feb-15	19d	$0	$0
SHT3460	Surge Control System final connection to the booster station	4d	0%	4d	10-Mar-15	15-Mar-15	26-Feb-15	02-Mar-15	19d	$270,000	$0
Final Mechanical connection for main pipeline & distribution net work		122d		122d	10-Dec-14	13-Apr-15	25-Jan-15	20-Jun-15	-57d	$542,900	$0
Safety		77d		77d	10-Dec-14	26-Feb-15	25-Jan-15	28-Apr-15	-51d	$0	$0



Project Baseline Bar
Level of effort Baseline
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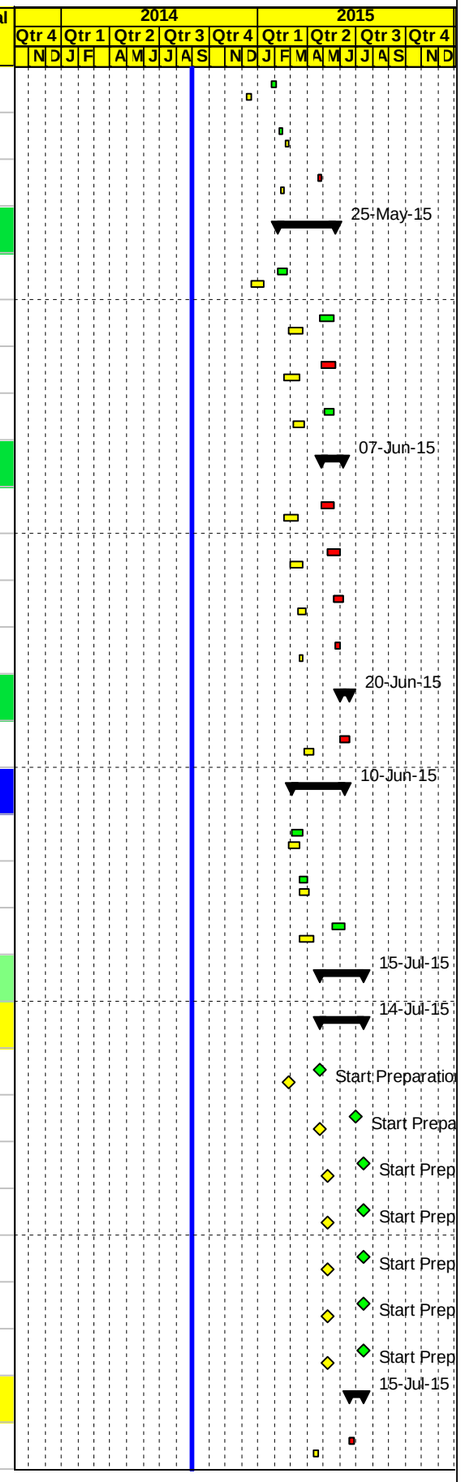
SHT3510	Testing Confined space (networks)	6d	0%	6d	10-Dec-14	20-Dec-14	25-Jan-15	02-Feb-15	-3d	$0	$0
SHT3750	Testing Confined space (main pipelines) from St. 11+460 to 5+980	6d	0%	6d	19-Feb-15	26-Feb-15	09-Feb-15	15-Feb-15	9d	$0	$0
SHT3740	Testing Confined space (main pipelines) from St. 0+000 to 5+980	6d	0%	6d	11-Feb-15	18-Feb-15	22-Apr-15	28-Apr-15	-58d	$0	$0
Mechanical		91d		91d	20-Dec-14	26-Mar-15	07-Feb-15	25-May-15	-35d	$365,700	$0
SHT3485	Electro Mech. Work including install all valves ,fittings, and flushing pipes (networks)	16d	0%	16d	20-Dec-14	12-Jan-15	07-Feb-15	24-Feb-15	-6d	$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	25-Apr-15	20-May-15	-47d	$68,100	$0
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	28-Apr-15	25-May-15	-58d	$19,500	$0
SHT3500	water meter connection chambers and flow water	17d	0%	17d	07-Mar-15	26-Mar-15	03-May-15	21-May-15	-32d	$278,100	$0
Connection new pipe to existing		34d		34d	18-Feb-15	30-Mar-15	28-Apr-15	07-Jun-15	-58d	$132,200	$0
SHT3501	Connection new pipe to one existing pipe Part one	20d	0%	20d	18-Feb-15	14-Mar-15	28-Apr-15	21-May-15	-58d	$42,500	$0
SHT3505	Connection new pipe to one existing pipe Part Two	20d	0%	20d	02-Mar-15	25-Mar-15	10-May-15	02-Jun-15	-58d	$34,000	$0
SHT3507	Connection new pipe to two existing pipe	14d	0%	14d	15-Mar-15	30-Mar-15	21-May-15	07-Jun-15	-58d	$40,200	$0
SHT3509	Connection new pipe to thee existing	7d	0%	7d	18-Mar-15	25-Mar-15	25-May-15	02-Jun-15	-58d	$15,500	$0
Final Disinfection and Pressure Testing		15d		15d	26-Mar-15	13-Apr-15	02-Jun-15	20-Jun-15	-58d	$45,000	$0
SHT3520	final Disinfection and Pressure Testing For main and dist.Pipeline	15d	0%	15d	26-Mar-15	13-Apr-15	02-Jun-15	20-Jun-15	-58d	$45,000	$0
Concrete and Road Finishing work		83d		83d	26-Feb-15	14-Apr-15	04-Mar-15	10-Jun-15	-49d	$395,903	$0
SHT3530	install street lighting units	15d	0%	15d	26-Feb-15	17-Mar-15	04-Mar-15	23-Mar-15	19d	$68,000	$0
SHT3540	Construct concrete protection and ditch work	14d	0%	14d	19-Mar-15	05-Apr-15	17-Mar-15	02-Apr-15	10d	$95,793	$0
SHT3560	Guard rail, traffic signs , Road furnishing	21d	0%	21d	19-Mar-15	14-Apr-15	18-May-15	10-Jun-15	-49d	$232,110	$0
Post Construction Phase		71d		71d	25-Feb-15	09-May-15	25-Apr-15	15-Jul-15	-58d	$148,688	$0
Post Construction Submittals		70d		70d	25-Feb-15	09-May-15	25-Apr-15	14-Jul-15	-57d	$0	$0
SHT3690	Start Preparation Operation and Maintenance Manuals	0d	0%	0d	25-Feb-15		25-Apr-15		-9d	$0	$0
SHT3620	Start Preparation Warranties (to USAID)	0d	0%	0d	26-Apr-15		01-Jul-15		-46d	$0	$0
SHT3630	Start Preparation Final Acceptance Certificate	0d	0%	0d	09-May-15		14-Jul-15		-57d	$0	$0
SHT3640	Start Preparation Release of liens and waiver of debts and claims against the government	0d	0%	0d	09-May-15		14-Jul-15		-57d	$0	$0
SHT3650	Start Preparation Final payment	0d	0%	0d	09-May-15		14-Jul-15		-57d	$0	$0
SHT3660	Start Preparation Final Report	0d	0%	0d	09-May-15		14-Jul-15		-57d	$0	$0
SHT3680	Start Preparation Clearance certificate from local entities/ Authorities involved	0d	0%	0d	09-May-15		14-Jul-15		-57d	$0	$0
Start up, Training and commissioning		22d		22d	14-Apr-15	09-May-15	20-Jun-15	15-Jul-15	-58d	$0	$0
SHT3700	Pre commissioning	7d	0%	7d	14-Apr-15	21-Apr-15	20-Jun-15	28-Jun-15	-58d	$0	$0



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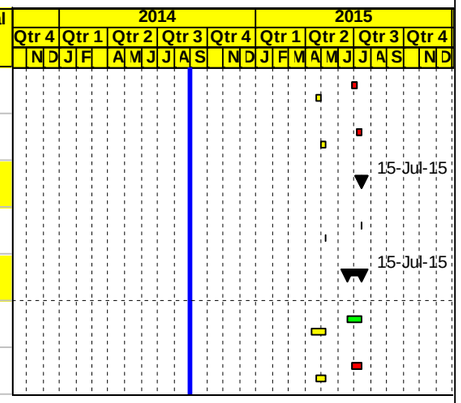
SHT3790	Commissioning	8d	0%	8d	22-Apr-15	30-Apr-15	28-Jun-15	07-Jul-15	-58d	$0	$0
SHT3800	Training	7d	0%	7d	02-May-15	09-May-15	07-Jul-15	15-Jul-15	-58d	$0	$0
Demobilization		1d		1d	09-May-15	09-May-15	14-Jul-15	15-Jul-15	-58d	$148,688	$0
SHT3810	Start Demobilization	1d	0%	1d	09-May-15	09-May-15	14-Jul-15	15-Jul-15	-58d	$148,688	$0
Post Construction activities		22d		22d	14-Apr-15	09-May-15	20-Jun-15	15-Jul-15	-58d	$0	$0
SHT3830	Start Preparation As-built drawings	21d	0%	21d	14-Apr-15	09-May-15	20-Jun-15	14-Jul-15	-57d	$0	$0
SHT3840	Walk through and check Punch list	14d	0%	14d	23-Apr-15	09-May-15	29-Jun-15	15-Jul-15	-58d	$0	$0



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B | One Month Look ahead

APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program

One Month Look Ahead

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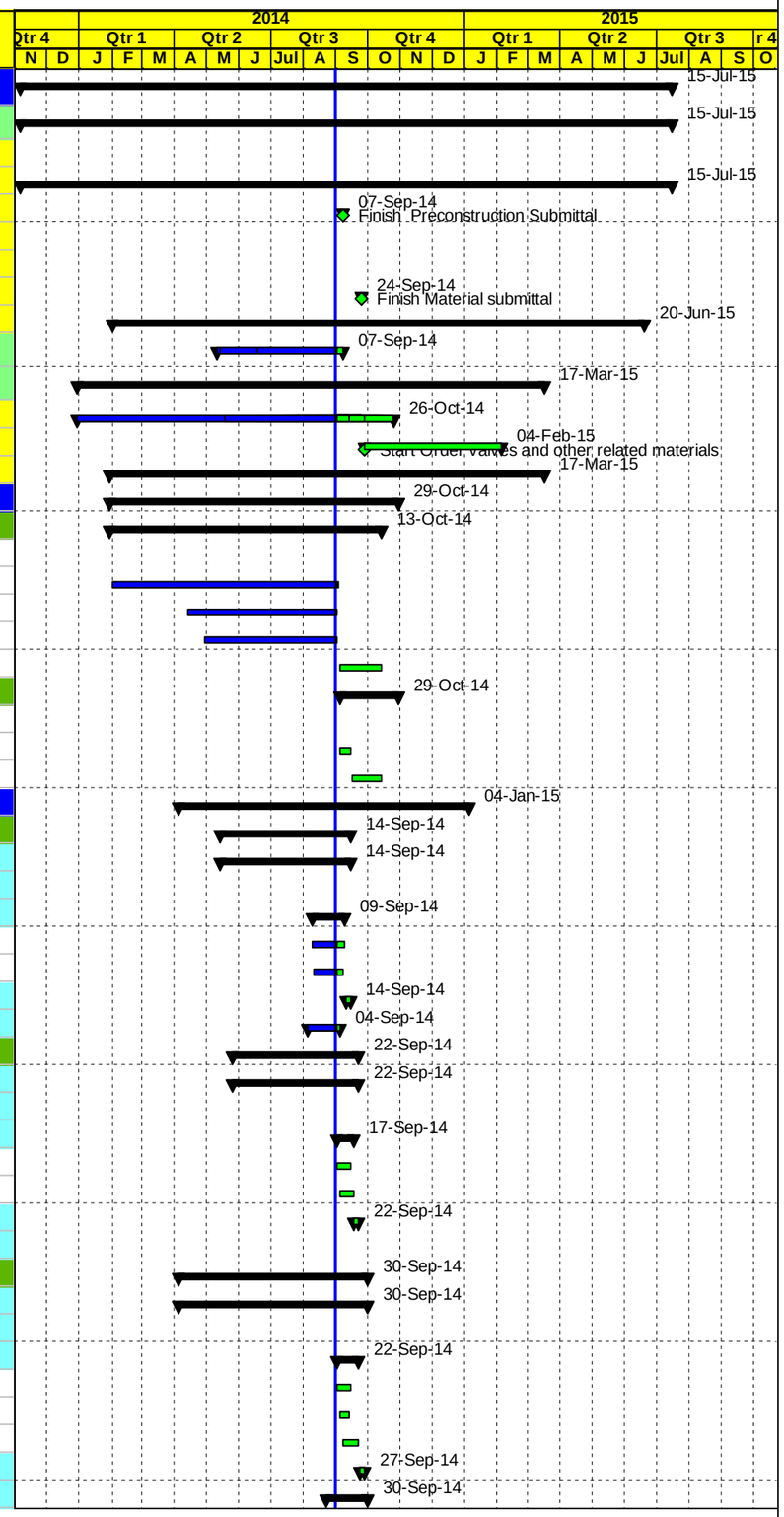
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish
Deir Sha'aar Main Pipeline Project		550d		06-Nov-13 A	15-Jul-15
Milestones		550d		06-Nov-13 A	15-Jul-15
General Milestones		0d			
Task order Duration		550d		06-Nov-13 A	15-Jul-15
Pre Construction Milestones		0d		07-Sep-14	07-Sep-14
Mobilization Milestones		0d			
Shop Drawing Milestones		0d			
Material Milestones		0d		24-Sep-14	24-Sep-14
Construction Milestones		332d		01-Feb-14 A	20-Jun-15
Pre Construction Phase		30d		11-May-14 A	07-Sep-14
Construction Phase		471d		30-Dec-13 A	17-Mar-15
Construction Submittals		293d		30-Dec-13 A	26-Oct-14
Procurements		130d		28-Sep-14	04-Feb-15
Construction		433d		30-Jan-14 A	17-Mar-15
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		203d		30-Jan-14 A	29-Oct-14
Road work (Conc. Walls) St.7+515 to 6+840 LHS		189d		30-Jan-14 A	13-Oct-14
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	80%	30-Jan-14 A	13-Oct-14
SHT1117	Structural excavation for retaining walls	30d	90%	01-Feb-14 A	03-Sep-14
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	30d	98%	14-Apr-14 A	01-Sep-14
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	30d	98%	30-Apr-14 A	01-Sep-14
SHT1135	Concrete Retaining Wall from Sta.6+873 to Sta.6+950 LHS	30d	0%	04-Sep-14	13-Oct-14
Road work (Conc. Walls)) St.7+140 to 6+900 RHS		44d		04-Sep-14	29-Oct-14
SHT1155	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	44d	0%	04-Sep-14	29-Oct-14
SHT1158	Structural excavation for Concrete walls	10d	0%	04-Sep-14	15-Sep-14
SHT1165	Boundary Wall from Sta.6+935 to Sta.6+966 RHS and Retaining Wall from Sta.6+971 to Sta.7+036 RHS	21d	0%	16-Sep-14	14-Oct-14
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		258d		05-Apr-14 A	04-Jan-15
Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+200		185d		13-May-14 A	14-Sep-14
Safety, saw cut asphalt and milling		59d		13-May-14 A	14-Sep-14
Pipe Installation		0d			
Civil Chamber work		16d		10-Aug-14 A	09-Sep-14
SHT1200	Construct - Gate Valve chamber @ Sta.0+010 ,0+800	16d	50%	10-Aug-14 A	09-Sep-14
SHT1205	Construct - Wash out chamber @ Sta.0+150	12d	50%	11-Aug-14 A	07-Sep-14
Testing		4d		10-Sep-14	14-Sep-14
Asphalt		7d		06-Aug-14 A	04-Sep-14
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		115d		26-May-14 A	22-Sep-14
Safety, saw cut asphalt and milling		54d		26-May-14 A	22-Sep-14
Pipe Installation		0d			
Civil Chamber work		15d		01-Sep-14	17-Sep-14
SHT1245	Construct - Gate Valve chamber @ 1+850	12d	0%	01-Sep-14	14-Sep-14
SHT1250	Construct - Wash out chamber @ 2+370	12d	0%	04-Sep-14	17-Sep-14
Testing		4d		18-Sep-14	22-Sep-14
Asphalt		0d			
Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086		182d		05-Apr-14 A	30-Sep-14
Safety, saw cut asphalt and milling		112d		05-Apr-14 A	30-Sep-14
Pipe Installation		0d			
Civil Chamber work		19d		01-Sep-14	22-Sep-14
SHT1295	Construct - Wash out chamber @ Sta.0+105 & 0+480	13d	0%	01-Sep-14	15-Sep-14
SHT1300	Construct - AR/AV Valve chamber @ Sta.0+210	8d	0%	04-Sep-14	13-Sep-14
SHT1305	Construct - Gate Valve chamber @ Sta.0+590 and 0+800	13d	0%	08-Sep-14	22-Sep-14
Testing		4d		23-Sep-14	27-Sep-14
Base course and Asphalt		42d		23-Aug-14 A	30-Sep-14



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

Date	Revision	Checked	Approved
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

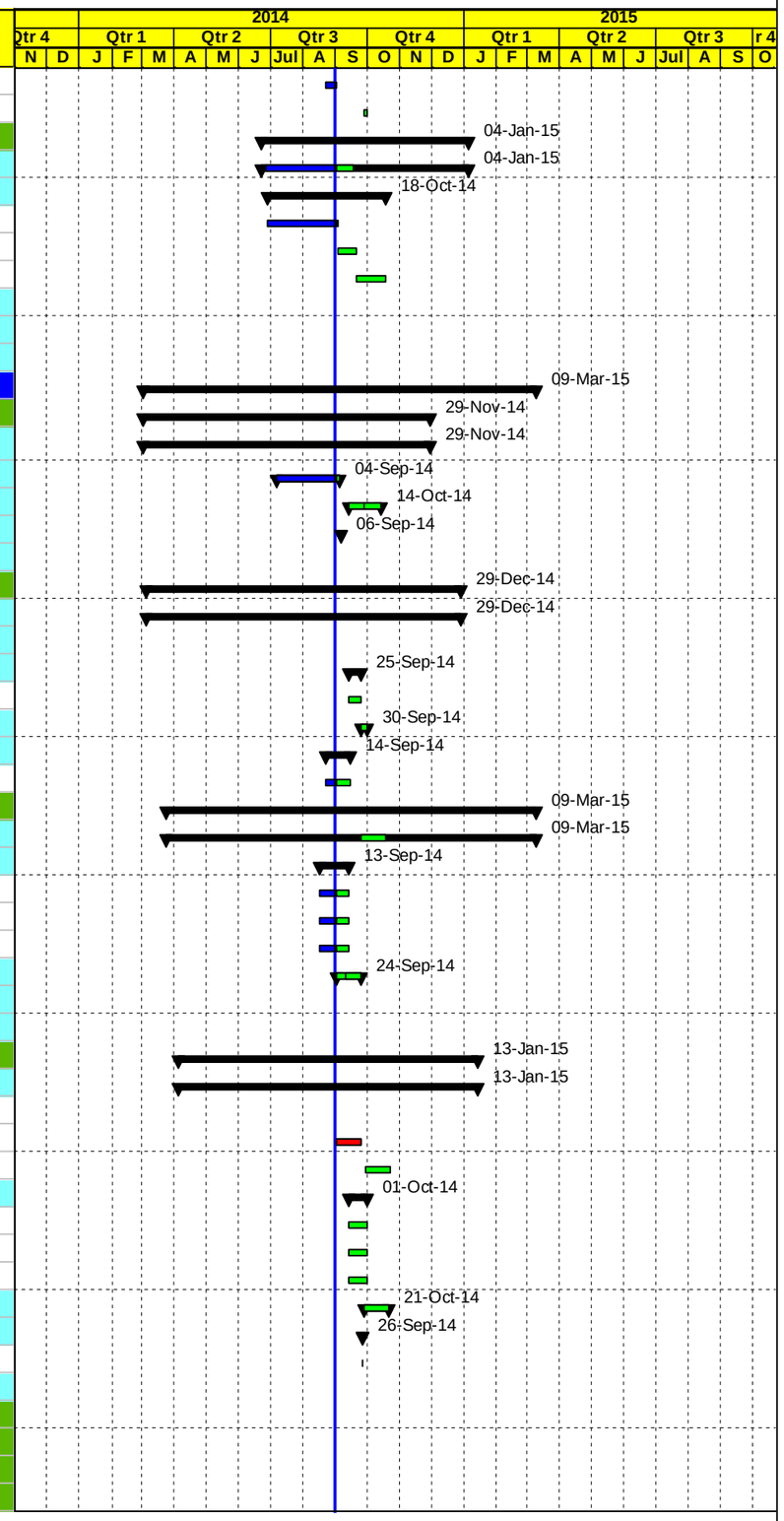
Construction Program

One Month Look Ahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish
SHT1324	Basecourse 20 cm layer	12d	85%	23-Aug-14 A	02-Sep-14
SHT1315	asphalt wearing layer	3d	0%	28-Sep-14	30-Sep-14
Halhul Water Distribution Network All Segments		136d		22-Jun-14 A	04-Jan-15
Safety, saw cut asphalt and milling		110d		22-Jun-14 A	04-Jan-15
Pipe Installation		56d		28-Jun-14 A	18-Oct-14
SHT1330	Trench excavation ,Bedding ,install and backfill for 200 mm Dist. pipeline with length approx. (1861 LM)	22d	90%	28-Jun-14 A	03-Sep-14
SHT1335	Trench excavation ,Bedding ,install and backfill for 150 mm Dist. pipeline with length approx. (718 LM)	14d	0%	03-Sep-14	20-Sep-14
SHT1340	Trench excavation ,Bedding ,install and backfill for 100 mm Dist. pipeline with length approx. (1644 LM)	20d	0%	20-Sep-14	18-Oct-14
Civil Chamber work		0d			
Testing		0d			
Asphalt		0d			
Phase #3 Main pipelines, Network & Road Works St. 0+000 to 5+980		264d		02-Mar-14 A	09-Mar-15
Main pipelines & (Reconstruction Agricultural road) From Sta.0+000 to Sta.0+630		210d		02-Mar-14 A	29-Nov-14
Safety and Excavation Works		131d		02-Mar-14 A	29-Nov-14
Pipe Installation		18d		07-Jul-14 A	04-Sep-14
Civil Chamber work		23d		13-Sep-14	14-Oct-14
Testing		1d		06-Sep-14	06-Sep-14
Base course & Stone Wall		0d			
Main pipelines & (Reconstruction Agricultural road) From Sta.0+630 to Sta.1+400		182d		05-Mar-14 A	29-Dec-14
Safety and Excavation Works		140d		05-Mar-14 A	29-Dec-14
Pipe Installation		0d			
Civil Chamber work		11d		13-Sep-14	25-Sep-14
SHT1620	Construct - 150 AR/AV Valve chamber @ Sta.0+760	11d	0%	13-Sep-14	25-Sep-14
Testing		4d		25-Sep-14	30-Sep-14
Base course & Stone Wall		15d		23-Aug-14 A	14-Sep-14
SHT1920	Final Finish Sub grade & Topping	15d	10%	23-Aug-14 A	14-Sep-14
Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200		258d		24-Mar-14 A	09-Mar-15
Safety , Excavation Works and Pipe Culvert		201d		24-Mar-14 A	09-Mar-15
Pipe Installation		21d		17-Aug-14 A	13-Sep-14
SHT1670	Trench excavation for 760 mm main pipeline from 1+400 to sta.2+200 with length approx. (800 LM)	21d	50%	17-Aug-14 A	13-Sep-14
SHT1680	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	50%	17-Aug-14 A	13-Sep-14
SHT1690	Backfill the pipe trench with approved materials to the required level	21d	50%	17-Aug-14 A	13-Sep-14
Civil Chamber work		21d		01-Sep-14	24-Sep-14
Testing		0d			
Base course & Stone Wall		0d			
Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780		134d		05-Apr-14 A	13-Jan-15
Safety , Excavation Works and Pipe Culvert		101d		05-Apr-14 A	13-Jan-15
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	101d	0%	05-Apr-14 A	13-Jan-15
SHT1750	Road excavation and backfilling to the required sub grade levels	21d	0%	01-Sep-14	24-Sep-14
SHT1760	Dia.1000 mm precast pipe culvert including inlet and outlet @ Sta. 2+230 with L=8.5m	16d	0%	30-Sep-14	22-Oct-14
Pipe Installation		16d		13-Sep-14	01-Oct-14
SHT1770	Trench excavation for 760 mm main pipeline from 2+200 to sta.2+780 with length approx. (580 LM)	16d	0%	13-Sep-14	01-Oct-14
SHT1780	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	16d	0%	13-Sep-14	01-Oct-14
SHT1790	Backfill the pipe trench with approved materials to the required level	16d	0%	13-Sep-14	01-Oct-14
Civil Chamber work		17d		27-Sep-14	21-Oct-14
Testing		1d		26-Sep-14	26-Sep-14
SHT1803	Radiographic Testing (RT)	1d	0%	26-Sep-14	26-Sep-14
Basecourse		0d			
Asphalt Works From Sta.0+000 to Sta.2+780		0d			
Main pipelines & (Milling & over lay 11m width existing asphalt Road) St. 2+780 to 3+030		0d			
Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+780		0d			
Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+900 RHS&LHS		0d			



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

Date	Revision	Checked	Approved
02-Sep-14			

APCO/ArCon CONSTRUCTION AND SERVICES

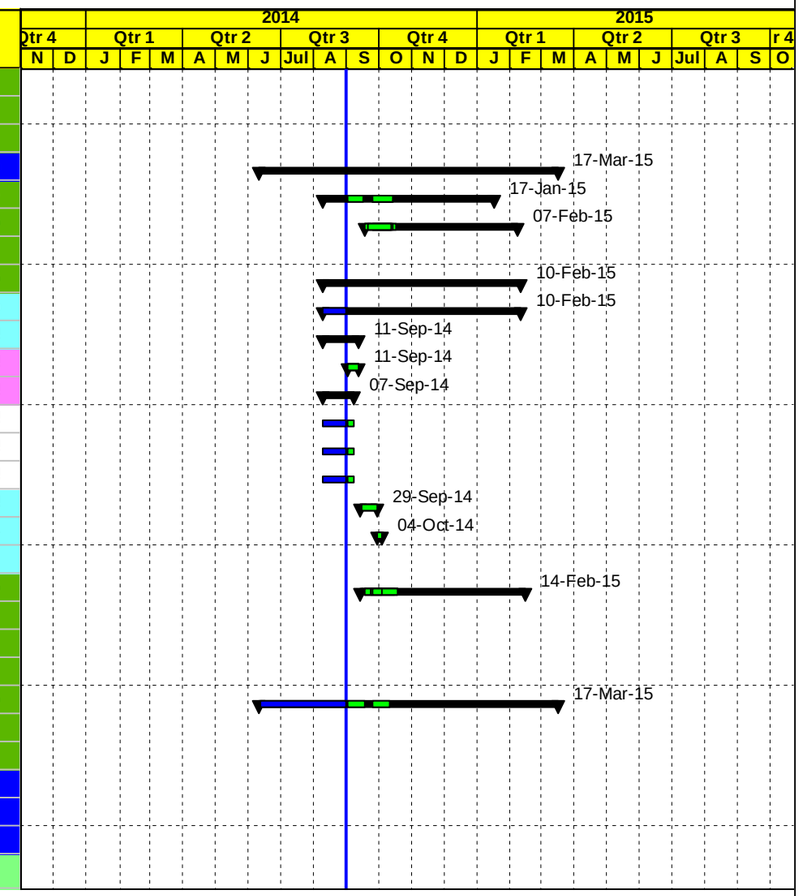
Construction Program

One Month Look Ahead

TO16

Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish
	Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4+640	0d			
	Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+640-5+300	0d			
	Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+300-5+980	0d			
	Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980	256d		11-Jun-14 A	17-Mar-15
	Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000	98d		09-Aug-14 A	17-Jan-15
	Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460	143d		17-Sep-14	07-Feb-15
	Main pipelines & (Reconstruction 4m Exist. aspalt Road at residential area) St.10+460 to 9+880	0d			
	Main pipelines&(Milling&overlay 11-13m width Exist road at residential area)St.9+880 - 9+070 RHS&LHS	117d		09-Aug-14 A	10-Feb-15
	Safety and Milling	96d		09-Aug-14 A	10-Feb-15
	Pipe Installation	27d		10-Aug-14 A	11-Sep-14
	760 mm main pipeline & dist.pipe150 mm	10d		01-Sep-14	11-Sep-14
	760 mm main pipeline & 200mm dist.pipeline	16d		10-Aug-14 A	07-Sep-14
SHT2750	Trench excavation for 760 mm main pipeline & 200mm dist.pipeline from 9+650 to 9+070(580 LM)	16d	65%	10-Aug-14 A	07-Sep-14
SHT2753	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	16d	65%	10-Aug-14 A	07-Sep-14
SHT2755	Backfill the pipe trench with approved materials to the required level	16d	65%	10-Aug-14 A	07-Sep-14
	Civil Chamber work	15d		13-Sep-14	29-Sep-14
	Testing	4d		30-Sep-14	04-Oct-14
	Basecourse and Asphalt	0d			
	Main pipelines &(Milling &over lay two lane width Exist road at residential area)St.9+070 -8+240 RHS	154d		13-Sep-14	14-Feb-15
	Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+240-7+515 RHS	0d			
	Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+070 -7+515 LHS	0d			
	Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840 RHS	0d			
	Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840LHS	161d		11-Jun-14 A	17-Mar-15
	Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+840 to 6+220	0d			
	Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980	0d			
	Surge Control System final connection to the booster station	0d			
	Final Mechanical connection for main pipeline & distribution net work	0d			
	Concrete and Road Finishing work	0d			
	Post Construction Phase	0d			



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

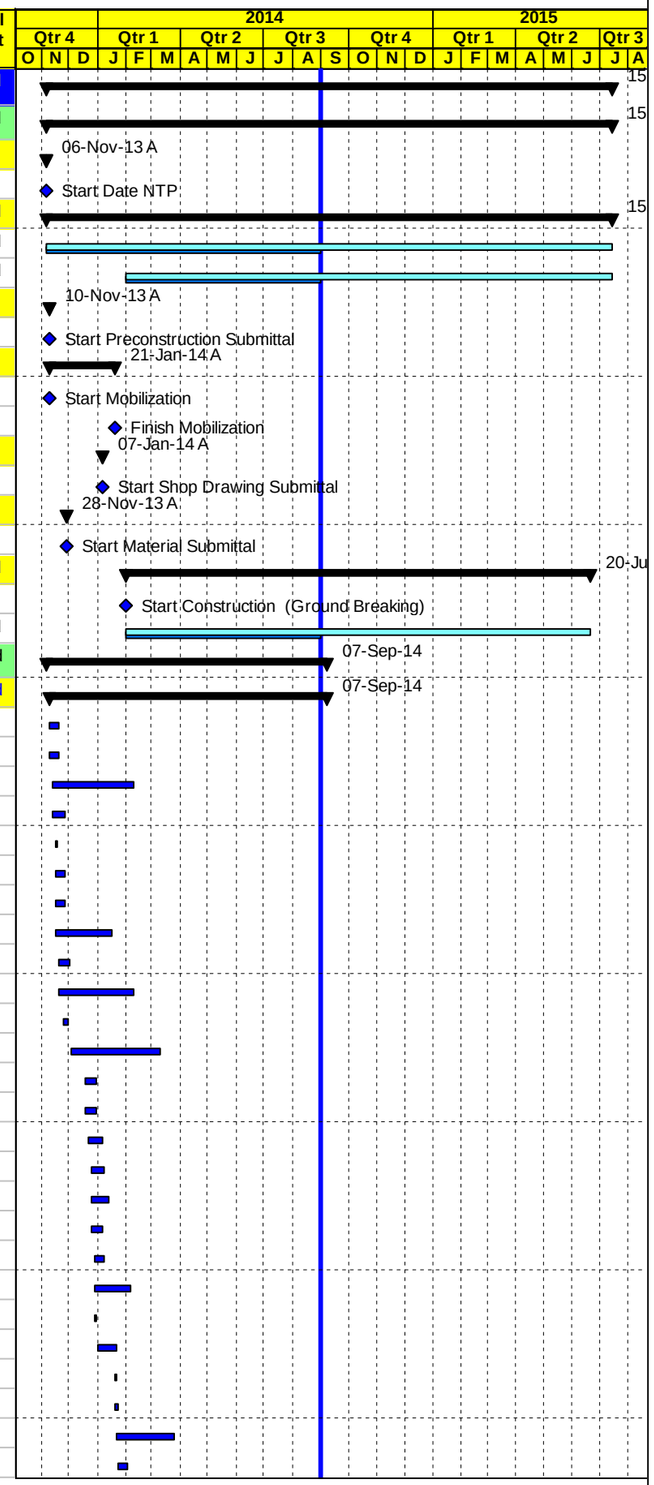
Date	Revision	Checked	Approved
02-Sep-14			

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	15-Jul-15	-67d
Milestones		550d		06-Nov-13 A	15-Jul-15	-67d
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	15-Jul-15	-67d
SHT0030	Project Duration (Calendar Days)	550d	42.2%	06-Nov-13 A	15-Jul-15	-67d
SHT0040	Project Duration (Working Days)	425d	40.01%	01-Feb-14 A	15-Jul-15	-58d
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	20-Jun-15	-57d
SHT1100	Start Construction (Ground Breaking)	0d	100%	01-Feb-14 A		
SHT1105	Construction Duration (Working Days)	332d	29.84%	01-Feb-14 A	20-Jun-15	-57d
Pre Construction Phase		251d		06-Nov-13 A	07-Sep-14	242d
Pre Construction Submittals		247d		10-Nov-13 A	07-Sep-14	242d
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	
SHT0118	Field Offices Furniture & Equipment Plan	10d	100%	13-Nov-13 A	09-Feb-14 A	
SHT0116	Field Offices Location & Layout	10d	100%	13-Nov-13 A	27-Nov-13 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	
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	
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	
SHT0148	Proposed Staging and Storage area location	10d	100%	20-Jan-14 A	23-Jan-14 A	
SHT0163	Welding procedure	10d	100%	22-Jan-14 A	26-Mar-14 A	
SHT0157	Environmental Mitigation Plan	10d	100%	23-Jan-14 A	02-Feb-14 A	



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

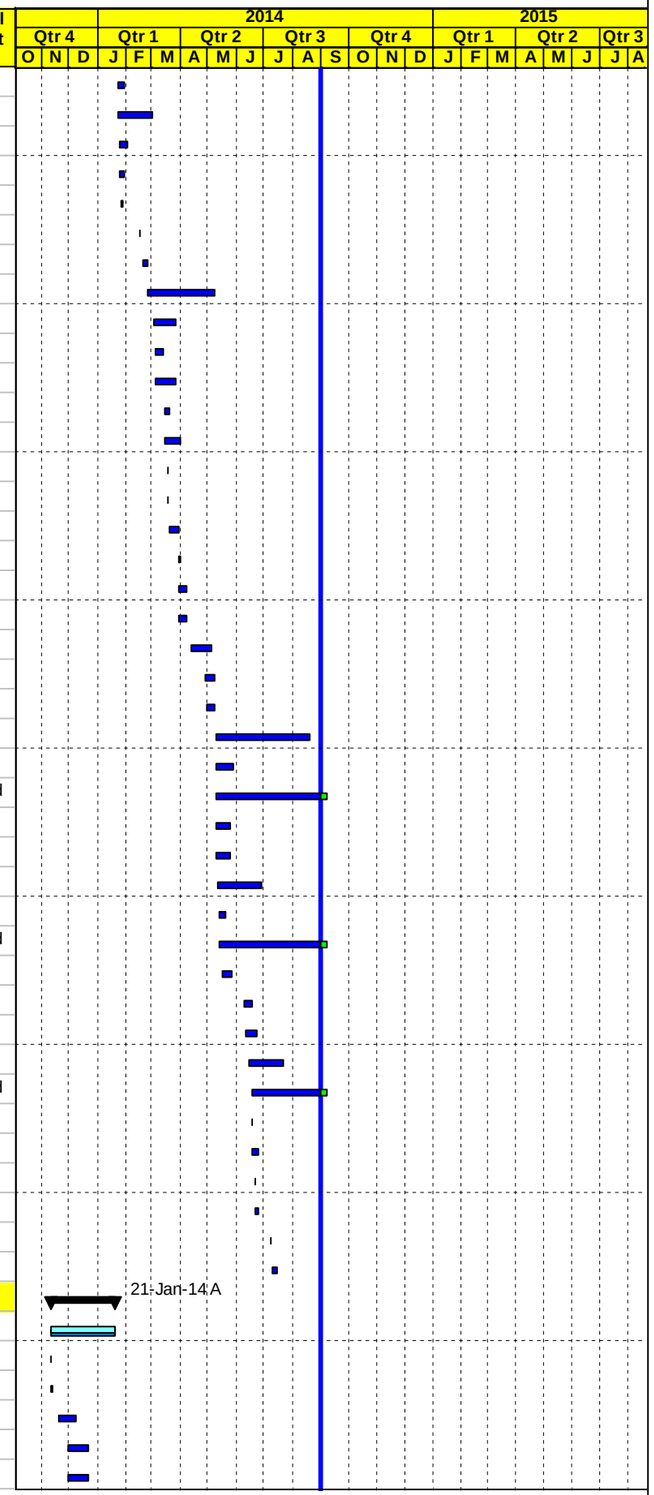
Date	Revision	Checked	Approved
02-Sep-14			

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
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	
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	08-May-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	100%	13-Apr-14 A	05-May-14 A	
SHT0201-new	Survey Plan from Sta. 7+650 to Sta. 9+890	5d	100%	29-Apr-14 A	08-May-14 A	
SHT0209-new	Revised Survey Plan from Sta. 4+200 to Sta. 5+700	10d	100%	30-Apr-14 A	08-May-14 A	
SHT0202-new	Specific Method Statement -Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe Sch 20 /WT 12.7 mm	10d	100%	11-May-14 A	20-Aug-14 A	
SHT0204-new	30 inch Pipeline Entry -Safety Method Statement (Confined Space)	10d	100%	11-May-14 A	29-May-14 A	
SHT0205-new	Ultrasonic Flow Detector Machine and Technician Certificate	10d	50%	11-May-14 A	07-Sep-14	174d
SHT0207-new	Internal Cement Lining Repair Method Statement	10d	100%	11-May-14 A	26-May-14 A	
SHT0208-new	Mortar Fill after welding / layback Space clousure Method Statement	10d	100%	11-May-14 A	26-May-14 A	
SHT0206-new	Pipes Loading & Unloading -Specific Method Statement	10d	100%	11-May-14 A	29-Jun-14 A	
SHT0178-new	Traffic Control Plan from Sta.6+800 to Sta.7+500	10d	100%	13-May-14 A	20-May-14 A	
SHT0167	U.T. testing entity's qualifications.	10d	50%	14-May-14 A	07-Sep-14	174d
SHT0177-new	30 inch Pipe Welding Procedure Qualification Record	10d	100%	18-May-14 A	28-May-14 A	
SHT0180-new	Risk Management Program –Phase 02 from Sta.2+800 to Sta.6+800 and from Sta. 7 +515 to the End of the Project	10d	100%	10-Jun-14 A	17-Jun-14 A	
SHT0185-new	Specific Method Statement - 30" pipe installation 0+000 - 1+200	10d	100%	11-Jun-14 A	24-Jun-14 A	
SHT0190-new	Ultrasonic Weld Inspection Procedure 12" -30" Pipe line welds	10d	100%	15-Jun-14 A	23-Jul-14 A	
SHT0195-new	Traffic Control Plan from Sta.0+000 to Sta.1+350 -Halhul Water Distribution Network -Shahera Water Pipeline	10d	50%	18-Jun-14 A	07-Sep-14	174d
SHT0220-new	Traffic Control Plan from Sta.0+000 to Sta.1+110 -Halhul Water Distribution Network -Zaboud Water Pipeline	10d	100%	18-Jun-14 A	19-Jun-14 A	
SHT0225-new	Dilapidation Survey- 8" Halhul Network (Zaboud)	10d	100%	19-Jun-14 A	25-Jun-14 A	
SHT0300-new	Qualified Welder Resume and Certificates (Jihad Ghatasheh)	10d	100%	22-Jun-14 A	22-Jun-14 A	
SHT0310-new	Risk Management Program - 8" Halhul Network (Zaboud)	10d	100%	22-Jun-14 A	25-Jun-14 A	
SHT0325-new	Traffic Control Plan for Al Arrub Water Networks	10d	100%	08-Jul-14 A	09-Jul-14 A	
SHT0326-new	Traffic Control Plan for Al Nabi Younes Intersection	10d	100%	10-Jul-14 A	15-Jul-14 A	
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	



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

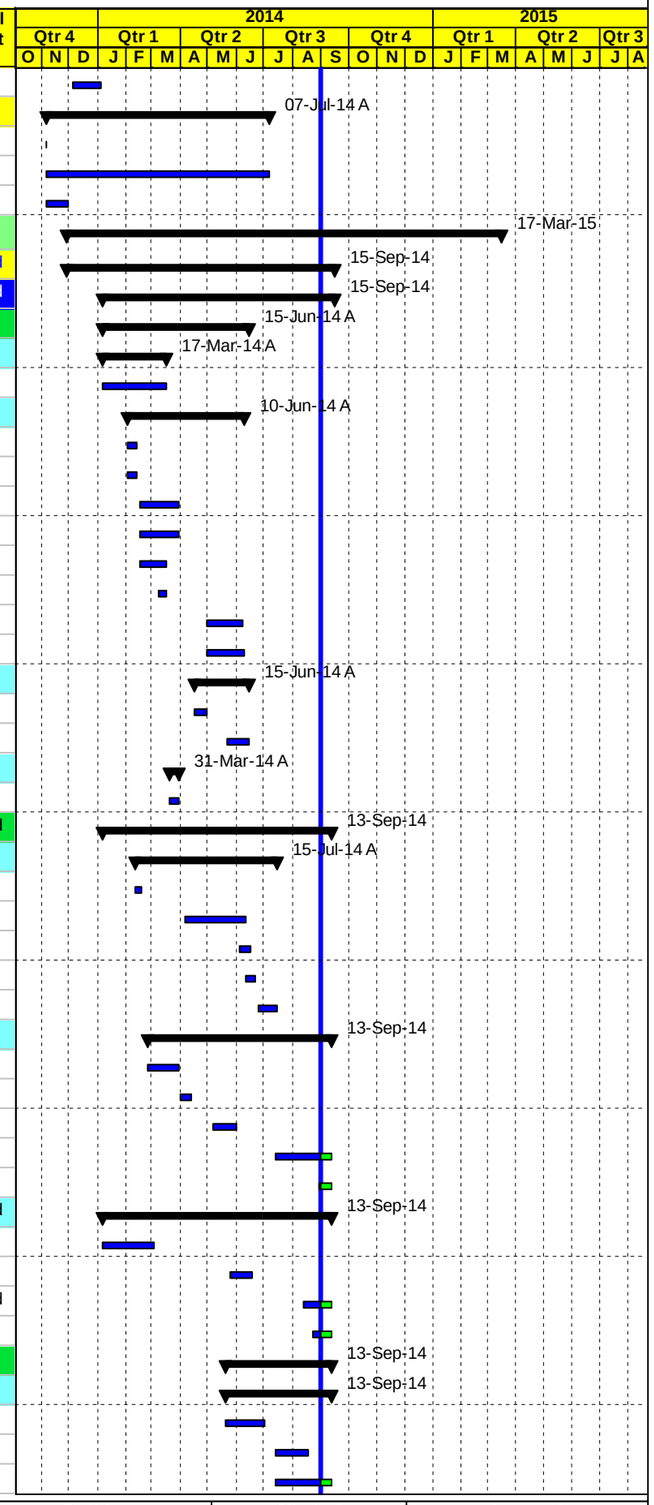
Date	Revision	Checked	Approved
02-Sep-14			

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
SHT0180	Install Temporary Project Sign	1d	100%	04-Dec-13 A	04-Jan-14 A	
Conformed Drawings and Coordination		40d		06-Nov-13 A	07-Jul-14 A	
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	100%	06-Nov-13 A	07-Jul-14 A	
SHT0286	Coordination with local Authorities before Construction Project	40d	100%	06-Nov-13 A	30-Nov-13 A	
Construction Phase		532d		28-Nov-13 A	17-Mar-15	54d
Construction Submittals		352d		28-Nov-13 A	15-Sep-14	237d
Shop Drawing Submittals		352d		07-Jan-14 A	15-Sep-14	237d
Plan Profile and Cross Sections		164d		07-Jan-14 A	15-Jun-14 A	
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	10-Jun-14 A	
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	100%	30-Apr-14 A	09-Jun-14 A	
SHT0204	From St. 3+900 to 4+950	21d	100%	30-Apr-14 A	10-Jun-14 A	
Plan Profile and Cross Sections from St. 11+460 to 7+515 & 6+840 to 5+980 Phase Four		67d		17-Apr-14 A	15-Jun-14 A	
SHT0210	From St. 11+460 to 09+890	21d	100%	17-Apr-14 A	30-Apr-14 A	
SHT0217	Milling and Overlay from Sta.7+515 to Sta.9+880	21d	100%	22-May-14 A	15-Jun-14 A	
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		235d		07-Jan-14 A	13-Sep-14	186d
Waterline Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks Phase Two		173d		12-Feb-14 A	15-Jul-14 A	
SHT0220	Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 2+295	21d	100%	12-Feb-14 A	18-Feb-14 A	
SHT0221	Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+218	21d	100%	07-Apr-14 A	11-Jun-14 A	
SHT0222	Zaboud Water Pipeline-Halhul Distribution Network from Sta.0+000 to Sta.1+110	21d	100%	04-Jun-14 A	17-Jun-14 A	
SHT0226-new	Water Distribution Network -Shahera Water Pipeline from Sta.0+000 to Sta.1+350-Halhul	21d	100%	11-Jun-14 A	22-Jun-14 A	
SHT0227-new	Structural and Mechanical Detail for valve chambers for 8" Zaboud Internal Network Water Pipeline	21d	100%	26-Jun-14 A	15-Jul-14 A	
Waterline from St. 0+000 to 5+980 PhaseThree		201d		24-Feb-14 A	13-Sep-14	61d
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	
SHT0232	Waterline From St. 2+780 to 3+900	21d	100%	07-May-14 A	01-Jun-14 A	
SHT0238	Waterline From St. 3+900 to 4+950	21d	50%	13-Jul-14 A	13-Sep-14	36d
SHT0240	Waterline From St. 4+950 to 6+000	21d	50%	31-Aug-14 A	13-Sep-14	61d
Waterline from St. 11+460 to 5+980 Phase Four		78d		07-Jan-14 A	13-Sep-14	186d
SHT0254	Waterline From St.7+515 to 6+840	21d	100%	07-Jan-14 A	03-Mar-14 A	
SHT0252	Waterline:Typical Section from Sta.8+700 to Sta.9+300	21d	100%	26-May-14 A	19-Jun-14 A	
SHT0268-new	Waterline from Sta.9+090 to Sta.9+450 - New Alignment for water pipe line	21d	50%	14-Aug-14 A	13-Sep-14	186d
SHT0256	Waterline From St.7+500 to 8+700	21d	50%	24-Aug-14 A	13-Sep-14	84d
Connection and Valves Chambers		71d		21-May-14 A	13-Sep-14	6d
Civil and Mechanical		71d		21-May-14 A	13-Sep-14	6d
SHT0259-new	Structural and Mechanical Detail for valve chambers for 8" Beit Ummar Internal Network Water Pipeline	21d	100%	21-May-14 A	02-Jul-14 A	
SHT0276	Halhul distribution connection chamber (Kharas junction) @ Sta.9+070 RHS	21d	100%	13-Jul-14 A	18-Aug-14 A	
SHT0269-new	Structural and Mechanical Detail for Woushout Chamber at Sta.0+620 & ARV Valve Chamber @ Sta.0+743	21d	50%	14-Jul-14 A	13-Sep-14	6d



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

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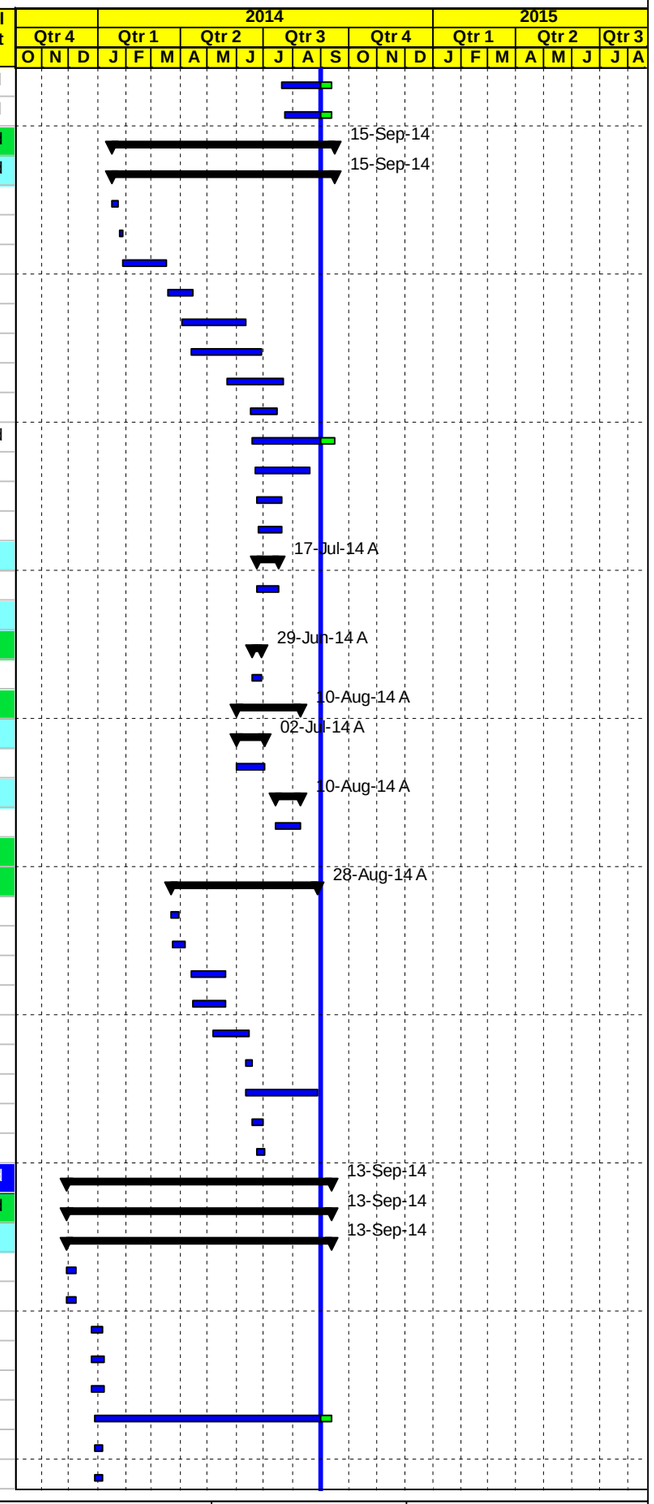
APCO/ArCon CONSTRUCTION AND SERVICES

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
SHT0259	Structural and Mechanical detail For Woushout Chamber For 30"*10" at Sta.7+223& Wash out chamb For 6"*3" at S	21d	50%	20-Jul-14 A	13-Sep-14	-24d
SHT0267	Structural and Mechanical detail For Deir Sha'ar Connection Chamber @ Sta.0+155	21d	50%	24-Jul-14 A	13-Sep-14	-36d
Concrete walls		275d		16-Jan-14 A	15-Sep-14	235d
Concrete walls Phase One		275d		16-Jan-14 A	15-Sep-14	235d
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	17-Mar-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	100%	03-Apr-14 A	11-Jun-14 A	
SHT0313-new	Retaining Wall from Sta.7+200 to Sta.7+220 LHS	21d	100%	14-Apr-14 A	29-Jun-14 A	
SHT0309-new	Retaining Wall at the access road at Sta.7+185 LHS	21d	100%	22-May-14 A	22-Jul-14 A	
SHT0312-new	Boundary Wall from Sta.6+935 to Sta.6+966 RHS and Retaining Wall from Sta.6+971 to Sta.7+036 RHS	21d	100%	16-Jun-14 A	16-Jul-14 A	
SHT0314-new	Retaining Wall from Sta.7+425 to Sta.7+430 RHS	21d	50%	19-Jun-14 A	15-Sep-14	169d
SHT0315-new	Retaining Wall from Sta.3+226.97 to Sta.3+295 RHS	21d	100%	22-Jun-14 A	20-Aug-14 A	
SHT0316-new	Retaining Wall from Sta.6+873 to Sta.6+950 LHS	21d	100%	23-Jun-14 A	20-Jul-14 A	
SHT0318-new	Retaining Wall from Sta.3+380 to Sta.3+464.92 RHS	21d	100%	26-Jun-14 A	21-Jul-14 A	
Concrete walls Phase Three		21d		24-Jun-14 A	17-Jul-14 A	
SHT0313	Concrete Gravity Wall from Sta.3+523 to Sta.3+537 RHS and from Sta.3+555 to Sta.3+573 RHS	21d	100%	24-Jun-14 A	17-Jul-14 A	
Concrete walls Phase Four		0d				0d
Stone Walls		5d		18-Jun-14 A	29-Jun-14 A	
SHT0320-new	Stone Wall from Sta.7+430 to Sta.7+475 RHS	5d	100%	18-Jun-14 A	29-Jun-14 A	
Pipe Culverts		51d		02-Jun-14 A	10-Aug-14 A	
Pipe Culverts Phase Three		21d		02-Jun-14 A	02-Jul-14 A	
SHT0317-new	Pipe Culvert at Sta.0+543 -Al Aroub Road	21d	100%	02-Jun-14 A	02-Jul-14 A	
Pipe Culverts Phase Four		21d		14-Jul-14 A	10-Aug-14 A	
SHT0333	Storm concrete system from st. 9+060 to 8+240	21d	100%	14-Jul-14 A	10-Aug-14 A	
Concrete curbstone and side walk Phase Four		0d				0d
Others		97d		23-Mar-14 A	28-Aug-14 A	
SHT1060-new	Mitered Bends Schedule and fabrication -8" Beit Ummar Local Network	21d	100%	23-Mar-14 A	30-Mar-14 A	
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	100%	13-Apr-14 A	21-May-14 A	
SHT0372-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	21d	100%	15-Apr-14 A	21-May-14 A	
SHT0373-new	Stair @ Sta.7+505 LHS	21d	100%	07-May-14 A	15-Jun-14 A	
SHT0375-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 1+200 to St. 2+780	21d	100%	11-Jun-14 A	18-Jun-14 A	
SHT0374-new	Tee Fabrication Shop Drawings and calculation sheets 760 x 150 mm and 760 x 250 mm	21d	100%	11-Jun-14 A	28-Aug-14 A	
SHT0380-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 8+700 to St. 9+300	21d	100%	19-Jun-14 A	30-Jun-14 A	
SHT0381-new	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 2+780 to St. 3+900	21d	100%	24-Jun-14 A	02-Jul-14 A	
Material Submittals		298d		28-Nov-13 A	13-Sep-14	239d
Submittals including Manufacturers Qualifications , Shop Test, Product Data		298d		28-Nov-13 A	13-Sep-14	239d
Material Submittal Roads		204d		28-Nov-13 A	13-Sep-14	45d
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	13-Sep-14	45d
SHT0490	Guard Rail	21d	100%	30-Dec-13 A	06-Jan-14 A	
SHT0460	Concrete joint sealant material	21d	100%	30-Dec-13 A	06-Jan-14 A	



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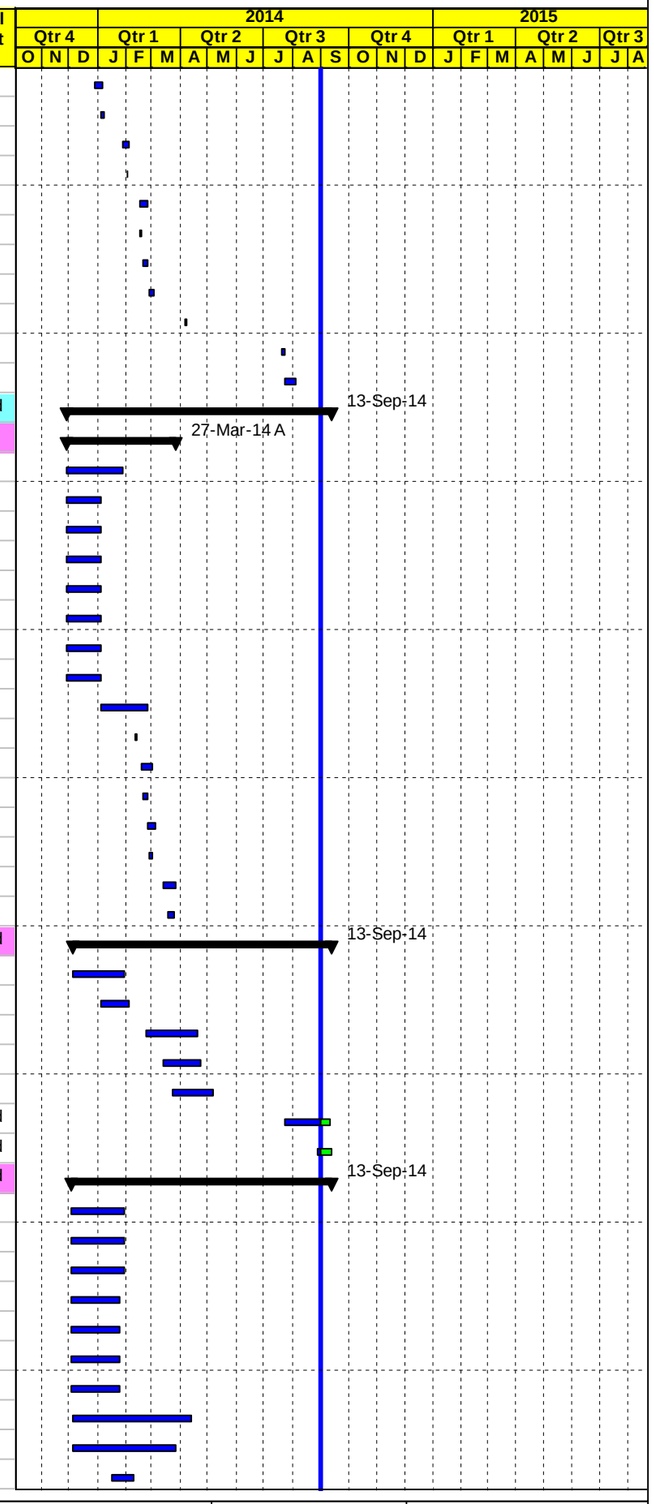
APCO ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO16
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SHT0425	Curbstone	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	
SHT0440	Asphalt wearing	21d	100%	20-Jul-14 A	24-Jul-14 A	
SHT0445-new	Concrete Ready-Mix Design Class B35-Size 20 mm	21d	100%	24-Jul-14 A	05-Aug-14 A	
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		298d		28-Nov-13 A	13-Sep-14	239d
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	
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	05-Mar-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		249d		05-Dec-13 A	13-Sep-14	239d
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-Apr-14 A	
SHT0590	Epoxy coating	21d	100%	13-Mar-14 A	23-Apr-14 A	
SHT0585	Bolts ,washers & nuts	21d	100%	24-Mar-14 A	07-May-14 A	
SHT0584-new	Pre Cast Concrete for Water Chamber 1.50m *1.5m*2.0m	21d	50%	24-Jul-14 A	11-Sep-14	241d
SHT0583-new	Steel Manhole Cover for Storm System and Water System	21d	50%	28-Aug-14 A	13-Sep-14	186d
Valves & fittings including Design calculations of fitting		164d		04-Dec-13 A	13-Sep-14	186d
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	



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APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
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TO16
Deir Sha'aar Main Pipeline Project

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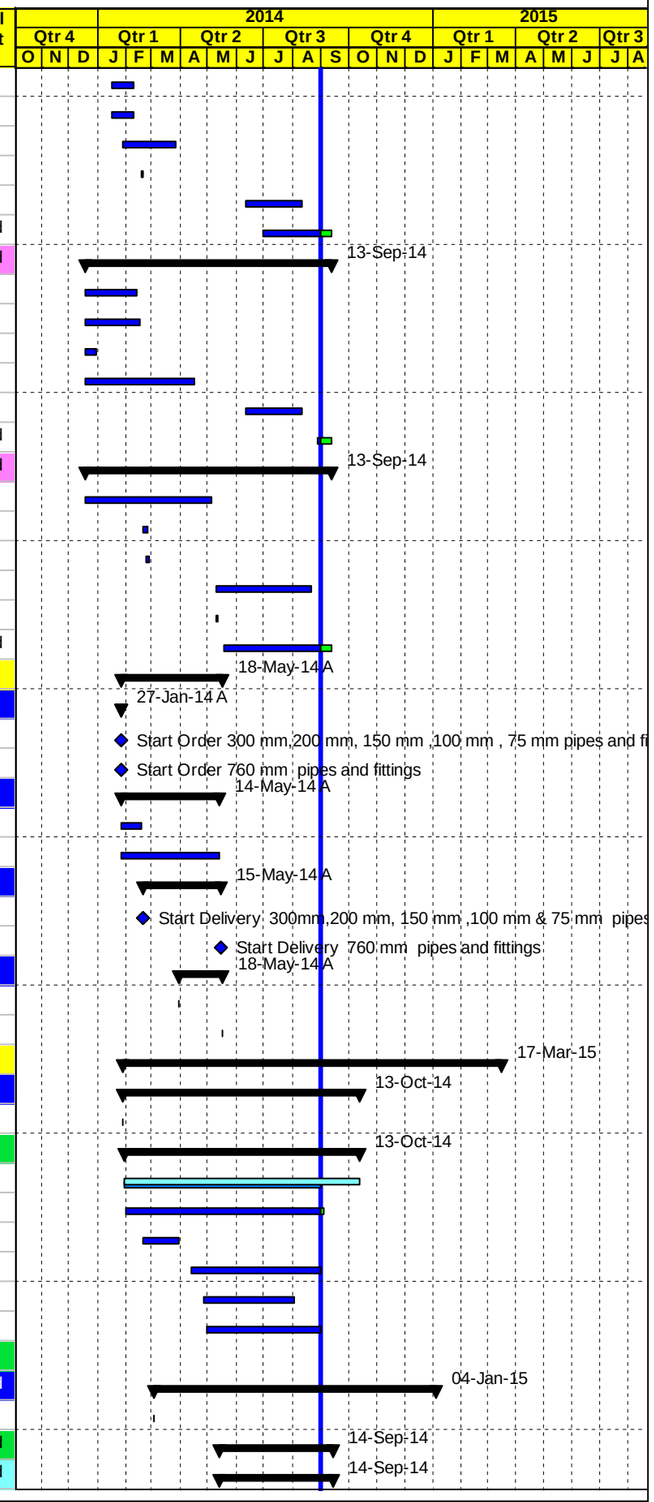
SHT0665	Steel Tees	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0670	Steel reducers	21d	100%	16-Jan-14 A	09-Feb-14 A	
SHT0650	Mechanical coupling	21d	100%	29-Jan-14 A	27-Mar-14 A	
SHT0691-new	Galvanized Malleable Iron Fittings up to 2"- Modgal	21d	100%	18-Feb-14 A	20-Feb-14 A	
SHT0675	Electro magnetic flow Water meters	21d	100%	11-Jun-14 A	12-Aug-14 A	
SHT0677-new	Motorized Actuated Butterfly Valve	21d	50%	30-Jun-14 A	13-Sep-14	186d
Control Valves		209d		19-Dec-13 A	13-Sep-14	186d
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	
SHT0730	Electro-Magnetic water meter-Siemens	21d	100%	11-Jun-14 A	12-Aug-14 A	
SHT0750-NEW	Ball Valve-Tyco F120 for Pressure Gauge	21d	50%	28-Aug-14 A	13-Sep-14	186d
Others		131d		19-Dec-13 A	13-Sep-14	186d
SHT0785	Strainers.	21d	100%	19-Dec-13 A	05-May-14 A	
SHT0788	protective lining and coating	21d	100%	20-Feb-14 A	24-Feb-14 A	
SHT0911-new	Spacers	5d	100%	23-Feb-14 A	27-Feb-14 A	
SHT1065-new	Pressure Gauge	21d	100%	11-May-14 A	21-Aug-14 A	
SHT1067-new	Elcometer 280	21d	100%	11-May-14 A	12-May-14 A	
SHT1068-new	Mill Test Certificate for the first delivery of the 30" - ½ " pipes	21d	50%	19-May-14 A	13-Sep-14	186d
Procurements		116d		27-Jan-14 A	18-May-14 A	
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	14-May-14 A	
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	100%	27-Jan-14 A	14-May-14 A	
Delivery		67d		19-Feb-14 A	15-May-14 A	
SHT1000	Start Delivery 300mm,200 mm, 150 mm ,100 mm & 75 mm pipes and fittings	0d	100%	19-Feb-14 A		
SHT1010	Start Delivery 760 mm pipes and fittings	0d	100%	15-May-14 A		
Testing		44d		31-Mar-14 A	18-May-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	
SHT1050	Start Testing 760 mm pipes and fittings	3d	100%	18-May-14 A	18-May-14 A	
Construction		433d		28-Jan-14 A	17-Mar-15	54d
Phase #1 Conc. Walls St.7+515 to 6+840 LHS & St.7+140 to 6+900 RHS		111d		28-Jan-14 A	13-Oct-14	28d
SHT1095	Start Implement traffic control Phase One	5d	100%	28-Jan-14 A	28-Jan-14 A	
Road work (Conc. Walls) St.7+515 to 6+840 LHS		92d		30-Jan-14 A	13-Oct-14	24d
SHT1115	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	90d	80%	30-Jan-14 A	13-Oct-14	23d
SHT1117	Structural excavation for retaining walls	30d	90%	01-Feb-14 A	03-Sep-14	23d
SHT1385-new	Concrete retaining wall from sta. 7+170 to 7+095 LHS = length (75 LM)	30d	100%	20-Feb-14 A	30-Mar-14 A	
SHT1387-new	Concrete retaining wall from sta. 7+390 to 7+505 LHS = length (110 LM)	30d	98%	14-Apr-14 A	01-Sep-14	57d
SHT1389-new	Concrete retaining wall from sta. 7+290 to 7+390 LHS = length (100 LM)	30d	100%	27-Apr-14 A	03-Aug-14 A	
SHT1388-new	Concrete retaining wall from sta. 7+190 to 7+290 LHS = length (100 LM)	30d	98%	30-Apr-14 A	01-Sep-14	57d
Road work (Conc. Walls)) St.7+140 to 6+900 RHS		0d				0d
Phase #2 Beit Ummar, Al Arrub-Beit Ummar & Halhul Networks		259d		04-Mar-14 A	04-Jan-15	126d
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		185d		13-May-14 A	14-Sep-14	237d
Safety, saw cut asphalt and milling		59d		13-May-14 A	14-Sep-14	185d



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

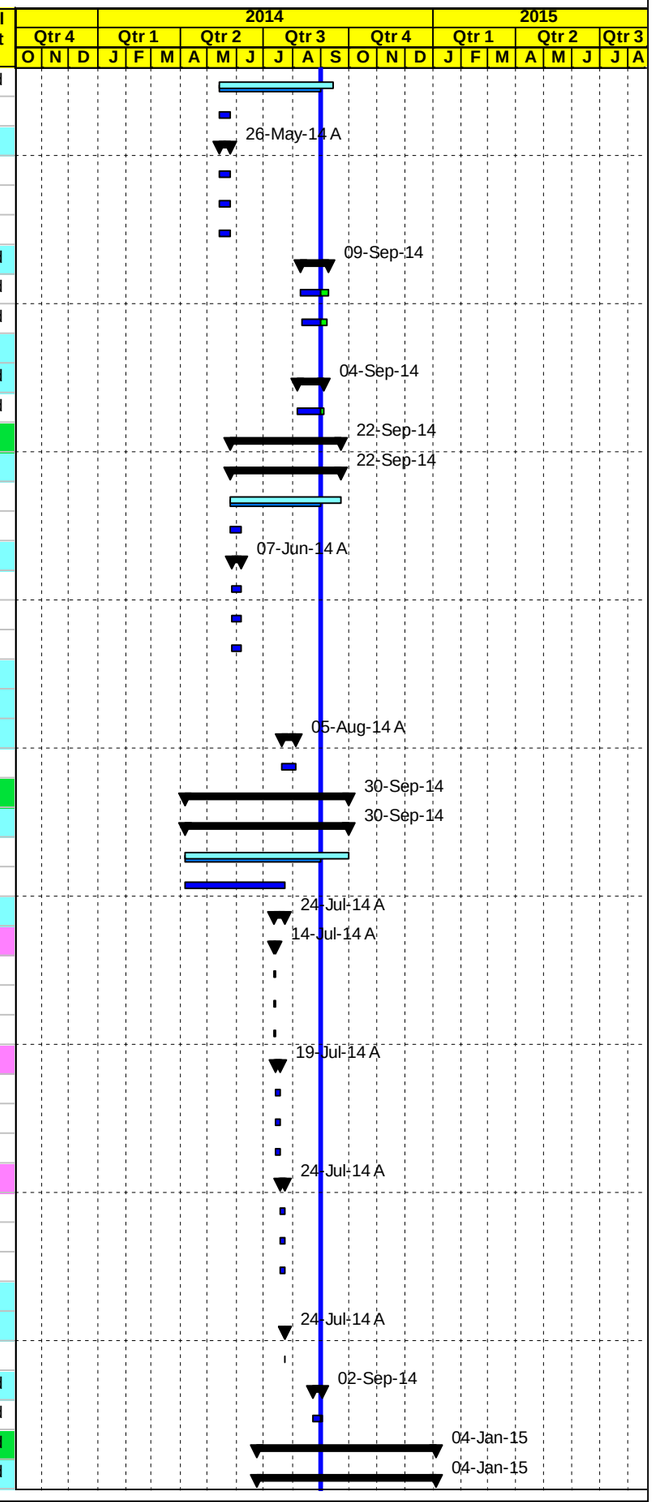
Date	Revision	Checked	Approved
02-Sep-14			

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
SHT1175	Maintain traffic control and safety plan ,coordination with local and all parties	59d	79.62%	13-May-14 A	14-Sep-14	185d
SHT1180	saw cut asphalt	3d	100%	14-May-14 A	26-May-14 A	
Pipe Installation		31d		14-May-14 A	26-May-14 A	
SHT1185	Trench excavation for 200 mm Dist. pipeline with length approx. (1200 LM)	21d	100%	14-May-14 A	26-May-14 A	
SHT1190	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	100%	14-May-14 A	26-May-14 A	
SHT1195	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	100%	14-May-14 A	26-May-14 A	
Civil Chamber work		16d		10-Aug-14 A	09-Sep-14	185d
SHT1200	Construct - Gate Valve chamber @ Sta.0+010 ,0+800	16d	50%	10-Aug-14 A	09-Sep-14	185d
SHT1205	Construct - Wash out chamber @ Sta.0+150	12d	50%	11-Aug-14 A	07-Sep-14	187d
Testing		0d				0d
Asphalt		7d		06-Aug-14 A	04-Sep-14	172d
SHT1215	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	50%	06-Aug-14 A	04-Sep-14	172d
Beit Ummar Water Distribution network From Sta. 1+200 to Sta. 2+374		131d		26-May-14 A	22-Sep-14	97d
Safety, saw cut asphalt and milling		56d		26-May-14 A	22-Sep-14	73d
SHT1220	Maintain traffic control and safety plan ,coordination with local and all parties	54d	50%	26-May-14 A	22-Sep-14	73d
SHT1225	Saw cut asphalt	3d	100%	26-May-14 A	07-Jun-14 A	
Pipe Installation		21d		27-May-14 A	07-Jun-14 A	
SHT1230	Trench excavation for 200 mm Dist. pipeline with length approx. (1174 LM)	21d	100%	27-May-14 A	07-Jun-14 A	
SHT1235	Bedding layer & install the above dist.Steel pipeline including required welding inspection	21d	100%	27-May-14 A	07-Jun-14 A	
SHT1240	Backfill the pipe trench with approved materials to the required level including 20 cm base course	21d	100%	27-May-14 A	07-Jun-14 A	
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		7d		21-Jul-14 A	05-Aug-14 A	
SHT1260	Asphalt Reinstatement over pipe trench including prime coat and 5 cm asphalt wearing layer	7d	100%	21-Jul-14 A	05-Aug-14 A	
Al Arrub-Beit Ummar Water Distribution network From Sta. 0+000 to Sta. 1+086		152d		05-Apr-14 A	30-Sep-14	98d
Safety, saw cut asphalt and milling		112d		05-Apr-14 A	30-Sep-14	73d
SHT1265	Maintain traffic control and safety plan ,coordination with local and all parties	112d	76.76%	05-Apr-14 A	30-Sep-14	73d
SHT1270	Road excavation and backfilling to the required sub grade levels	3d	100%	06-Apr-14 A	24-Jul-14 A	
Pipe Installation		45d		12-Jul-14 A	24-Jul-14 A	
150 mm Dist. pipelines		26d		12-Jul-14 A	14-Jul-14 A	
SHT1275	Trench excavation for 150 mm Dist. pipelines from Sta. 0+000 - 0+200) with length approx. (200 LM)	5d	100%	12-Jul-14 A	14-Jul-14 A	
SHT1280	Bedding layer & install the above dist.Steel pipelines including required welding inspection	5d	100%	12-Jul-14 A	14-Jul-14 A	
SHT1282	Backfill the pipe trench with approved materials to the required level including 20 cm base course	5d	100%	12-Jul-14 A	14-Jul-14 A	
Double 150 & 100 mm Dist. pipelines		10d		14-Jul-14 A	19-Jul-14 A	
SHT1285	Trench excavation for Double 150 & 100 mm Dist. pipelines from Sta. 0+200 - 0+595 with length approx. (395 LM)	9d	100%	14-Jul-14 A	19-Jul-14 A	
SHT1287	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	100%	14-Jul-14 A	19-Jul-14 A	
SHT1289	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	100%	14-Jul-14 A	19-Jul-14 A	
100 mm Dist. pipeline		10d		19-Jul-14 A	24-Jul-14 A	
SHT1290	Trench excavation for 100 mm Dist. pipeline from sta. 0+595 to 1+086 with length approx. (491 LM)	8d	100%	19-Jul-14 A	24-Jul-14 A	
SHT1293	Bedding layer & install the above dist.Steel pipelines including required welding inspection	9d	100%	19-Jul-14 A	24-Jul-14 A	
SHT1298	Backfill the pipe trench with approved materials to the required level including 20 cm base course	9d	100%	19-Jul-14 A	24-Jul-14 A	
Civil Chamber work		0d				0d
Testing		1d		24-Jul-14 A	24-Jul-14 A	
SHT1307	Radiographic Testing (RT)	1d	100%	24-Jul-14 A	24-Jul-14 A	
Base course and Asphalt		12d		23-Aug-14 A	02-Sep-14	123d
SHT1324	Basecourse 20 cm layer	12d	85%	23-Aug-14 A	02-Sep-14	123d
Halhul Water Distribution Network All Segments		136d		22-Jun-14 A	04-Jan-15	126d
Safety, saw cut asphalt and milling		110d		22-Jun-14 A	04-Jan-15	101d



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

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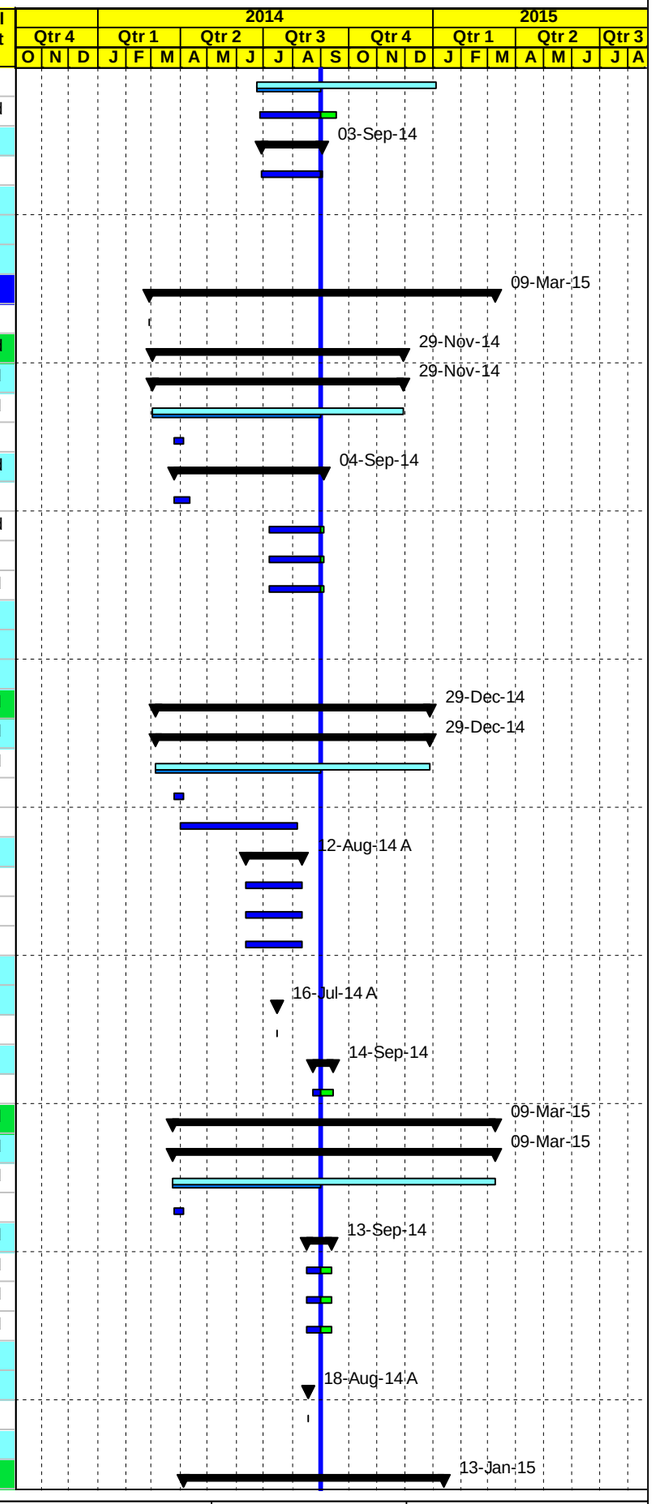
APCO ArCon CONSTRUCTION AND SERVICES

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
SHT1320	Maintain traffic control and safety plan ,coordination with local and all parties	104d	7.22%	22-Jun-14 A	04-Jan-15	8d
SHT1325	saw cut asphalt	21d	25%	27-Jun-14 A	18-Sep-14	181d
Pipe Installation		22d		28-Jun-14 A	03-Sep-14	-3d
SHT1330	Trench excavation ,Bedding ,install and backfill for 200 mm Dist. pipeline with length approx. (1861 LM)	22d	90%	28-Jun-14 A	03-Sep-14	-3d
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	09-Mar-15	62d
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	29-Nov-14	162d
Safety and Excavation Works		131d		02-Mar-14 A	29-Nov-14	-36d
SHT1506	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	131d	10%	02-Mar-14 A	29-Nov-14	-36d
SHT1507	Road excavation and backfilling to the required sub grade levels	20d	100%	25-Mar-14 A	05-Apr-14 A	
Pipe Installation		119d		25-Mar-14 A	04-Sep-14	193d
SHT1507-new	Rock breaking (Digging)	10d	100%	25-Mar-14 A	12-Apr-14 A	
SHT1508	Trench excavation for 760 mm main pipeline from 0+00 to sta.0+630 with length approx. (630 LM)	18d	80%	07-Jul-14 A	04-Sep-14	193d
SHT1510	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	18d	80%	07-Jul-14 A	04-Sep-14	-8d
SHT1520	Backfill the pipe trench with approved materials to the required level	18d	80%	07-Jul-14 A	04-Sep-14	-25d
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-Dec-14	-49d
Safety and Excavation Works		151d		05-Mar-14 A	29-Dec-14	-36d
SHT1570	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	140d	10%	05-Mar-14 A	29-Dec-14	-36d
SHT1580	Road excavation and backfilling to the required sub grade levels	21d	100%	25-Mar-14 A	05-Apr-14 A	
SHT1587-new	Rock breaking (Digging)	10d	100%	01-Apr-14 A	07-Aug-14 A	
Pipe Installation		21d		12-Jun-14 A	12-Aug-14 A	
SHT1590	Trench excavation for 760 mm main pipeline from 0+630 to sta.1+400 with length approx. (770 LM)	21d	100%	12-Jun-14 A	12-Aug-14 A	
SHT1600	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	100%	12-Jun-14 A	12-Aug-14 A	
SHT1610	Backfill the pipe trench with approved materials to the required level	21d	100%	12-Jun-14 A	12-Aug-14 A	
Civil Chamber work		0d				0d
Testing		1d		16-Jul-14 A	16-Jul-14 A	
SHT1623	Radiographic Testing (RT)	1d	100%	16-Jul-14 A	16-Jul-14 A	
Base course & Stone Wall		15d		23-Aug-14 A	14-Sep-14	29d
SHT1920	Final Finish Sub grade & Topping	15d	10%	23-Aug-14 A	14-Sep-14	29d
Main pipelines & (Reconstruction Agricultural road) From Sta.1+400 to Sta.2+200		259d		24-Mar-14 A	09-Mar-15	-47d
Safety , Excavation Works and Pipe Culvert		202d		24-Mar-14 A	09-Mar-15	-36d
SHT1640	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	201d	10%	24-Mar-14 A	09-Mar-15	-36d
SHT1650	Road excavation and backfilling to the required sub grade levels	20d	100%	25-Mar-14 A	05-Apr-14 A	
Pipe Installation		21d		17-Aug-14 A	13-Sep-14	-19d
SHT1670	Trench excavation for 760 mm main pipeline from 1+400 to sta.2+200 with length approx. (800 LM)	21d	50%	17-Aug-14 A	13-Sep-14	-20d
SHT1680	Bedding layer & install the above main Steel pipeline with required welding inspection and sectional testing (UT)	21d	50%	17-Aug-14 A	13-Sep-14	-20d
SHT1690	Backfill the pipe trench with approved materials to the required level	21d	50%	17-Aug-14 A	13-Sep-14	-19d
Civil Chamber work		0d				0d
Testing		1d		18-Aug-14 A	18-Aug-14 A	
SHT1724	Radiographic Testing (RT)	1d	100%	18-Aug-14 A	18-Aug-14 A	
Base course & Stone Wall		0d				0d
Main pipelines & (Reconstruction Agricultural road) From Sta.2+200 to Sta.2+780		134d		05-Apr-14 A	13-Jan-15	50d



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

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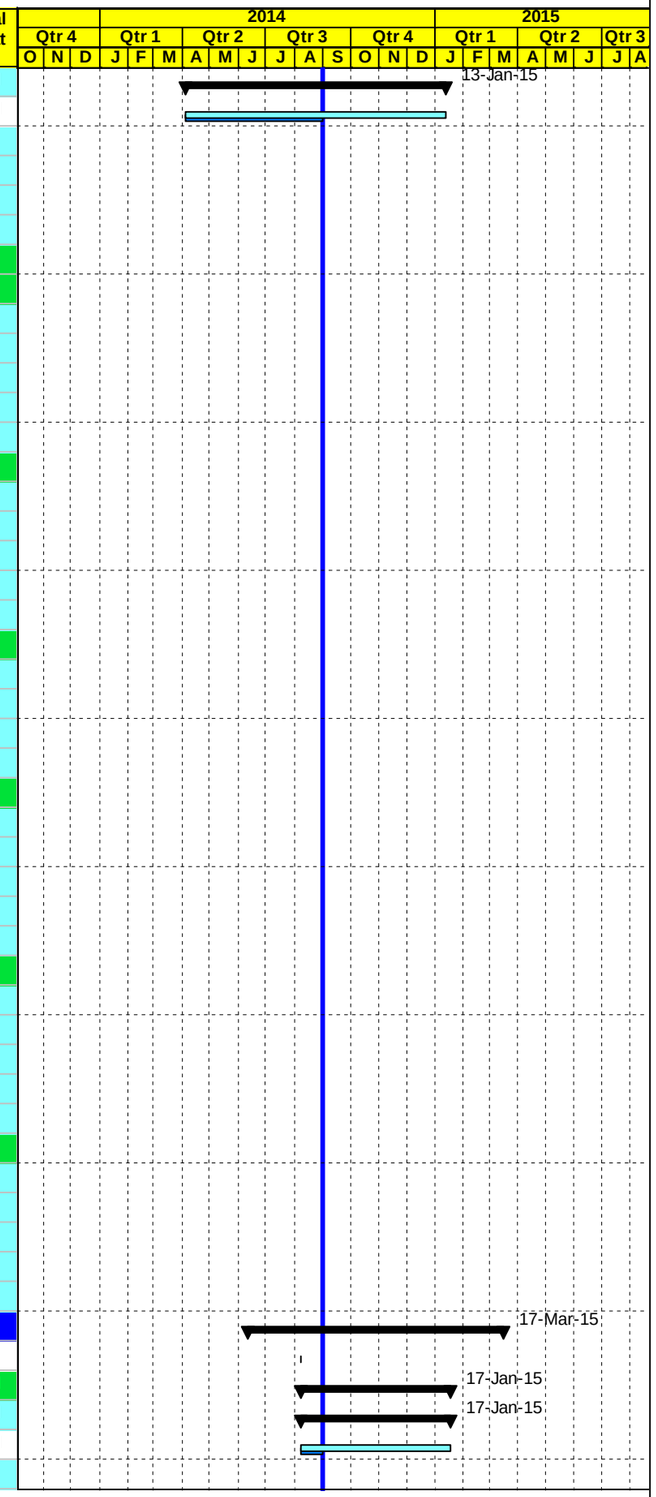
APCO ArCon CONSTRUCTION AND SERVICES

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
Safety , Excavation Works and Pipe Culvert		101d		05-Apr-14 A	13-Jan-15	39d
SHT1740	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	101d	0%	05-Apr-14 A	13-Jan-15	39d
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
Safety , Millings and Pipe Culvert		0d				0d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Main pipelines & (Reconstruction for exist asphat Road at residanial area) St.3+030 to 3+780		0d				0d
Safety and Excavation Works, Stone Boulder and Concrete Wall		0d				0d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d
Main pipelines & (Milling & overlay for 11-13 m width Exist. asphat Road)St. 3+780 to 3+900 RHS&LHS		0d				0d
Safety and Milling		0d				0d
Pipe Installation		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Main pipelines & (Reconstruction for 4m width Exist. Asphalt or Dirt Road) St. 3+900 to 4+640		0d				0d
Safety , Excavation Works and Pipe Culvert		0d				0d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course Stone Wall and Asphalt		0d				0d
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 4+640-5+300		0d				0d
Safety , Excavation Works and Pipe Culvert		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d
Main pipelines including (Reconstruction 4m width dirt road at agricultural area)St. 5+300-5+980		0d				0d
Safety and Excavation Works		0d				0d
Pipe Installation		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d
Phase #4 Main pipelines, Network & Road WorksSt.11+460 to 5+980		256d		11-Jun-14 A	17-Mar-15	2d
SHT2405	Implement traffic control Phase Four	5d	100%	09-Aug-14 A	09-Aug-14 A	
Main pipelines & (Reconstruction 4 width Agricultural road) St. 11+460 to 11+000		98d		09-Aug-14 A	17-Jan-15	21d
Safety and Excavation Works		79d		09-Aug-14 A	17-Jan-15	15d
SHT2410	Maintain traffic control plan including grading and widening the road ,coordination with local and all parties	79d	0%	09-Aug-14 A	17-Jan-15	15d
Pipe Installation		0d				0d



Milestone Early Bar | Actual Level of Effort | Level of Effort
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TO16
Deir Sha'aar Main Pipeline Project

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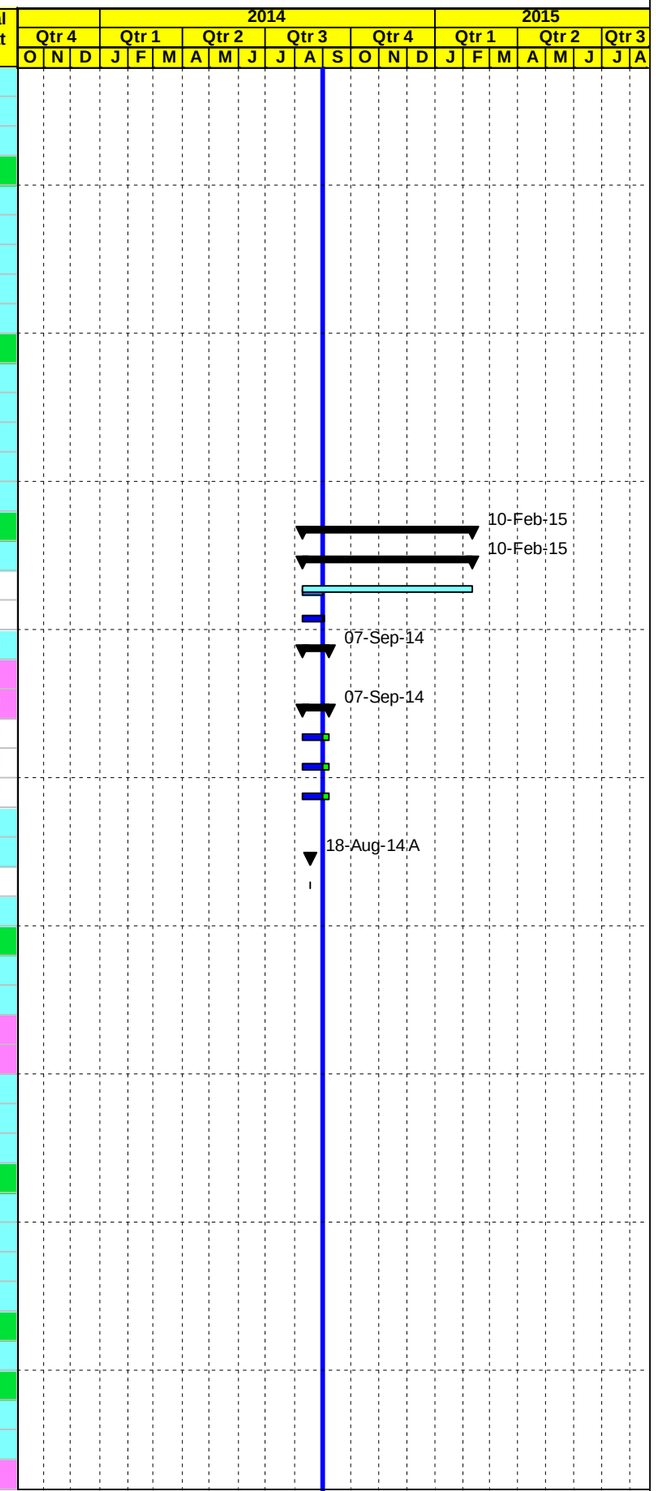
Civil Chamber work		0d				0d
Testing		0d				0d
Base course , Stone Wall and Asphalt		0d				0d
Main pipelines & (Reconstruction4 width Agricultural road) St. 11+000 to 10+460		0d				0d
Safety , Excavation Works ,Pipe Culvert and concrete wall		0d				0d
Pipe Installation		0d				0d
Civil Chamber work		0d				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
Safety and Excavation Works		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
Main pipelines&(Milling&overlay 11-13m width Exist road at residential area)St.9+880 - 9+070 RHS&LHS		117d		09-Aug-14 A	10-Feb-15	2d
Safety and Milling		96d		09-Aug-14 A	10-Feb-15	2d
SHT2700	Maintain traffic control & safety plan to include local access to residance ,all corrdination & relocate utilities	96d	10%	09-Aug-14 A	10-Feb-15	2d
SHT2710	saw cut asphalt	2d	30%	10-Aug-14 A	02-Sep-14	9d
Pipe Installation		19d		10-Aug-14 A	07-Sep-14	42d
760 mm main pipeline & dist.pipe150 mm		0d				0d
760 mm main pipeline & 200mm dist.pipeline		16d		10-Aug-14 A	07-Sep-14	32d
SHT2750	Trench excavation for 760 mm main pipeline & 200mm dist.pipeline from 9+650 to 9+070(580 LM)	16d	65%	10-Aug-14 A	07-Sep-14	18d
SHT2753	Bedding layer & install the above main Steel pipeline including required welding inspection / sectional testing (UT)	16d	65%	10-Aug-14 A	07-Sep-14	32d
SHT2755	Backfill the pipe trench with approved materials to the required level	16d	65%	10-Aug-14 A	07-Sep-14	32d
Civil Chamber work		0d				0d
Testing		1d		18-Aug-14 A	18-Aug-14 A	
SHT2772	Radiographic Testing (RT)	1d	100%	18-Aug-14 A	18-Aug-14 A	
Basecourse and Asphalt		0d				0d
Main pipelines &(Milling &over lay two lane width Exist road at residential area)St.9+070 -8+240 RHS		0d				0d
Safety , Milling and Storm system		0d				0d
Pipe Installation		0d				0d
760 mm main pipeline and 300mm dist.pipeline		0d				0d
760 mm main pipeline and 150mm dist.pipeline		0d				0d
Civil Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Main pipelines &(Milling & over lay two lane width Exist road at residential area)St.8+240-7+515 RHS		0d				0d
Safety and Milling		0d				0d
Pipe Installation		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Main pipelines & (Milling&over lay two lane width Exist road at residential area)St.9+070 -7+515 LHS		0d				0d
Road Works		0d				0d
Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840 RHS		0d				0d
Safety and Excavation Works		0d				0d
Pipe Installation		0d				0d
760 mm main pipeline and 150 mm dist.pipeline		0d				0d



Milestone Early Bar
Actual Work
Milestone Actual
Actual Level of Effort
Early Bar
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Level of Effort
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CONSTRUCTION AND SERVICES

Construction Program
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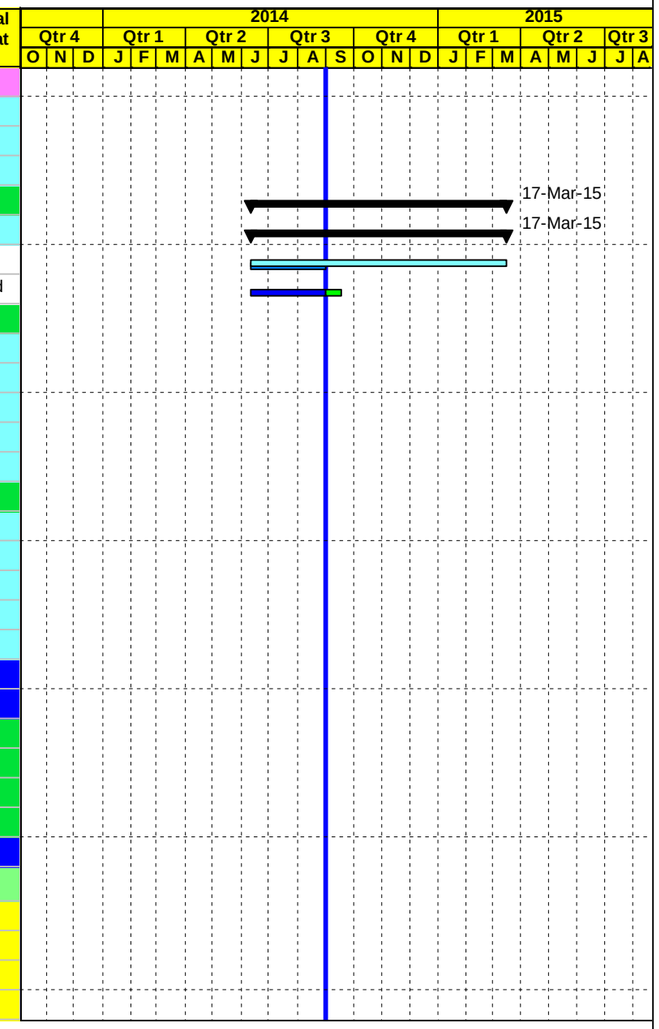
TO16
Deir Sha'aar Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	760 mm main pipeline and 100 mm dist.pipeline	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Topping, PVC, Base course , Stone Wall , Asphalt and Side Walk	0d				0d
	Main pipelines & (Reconstruct four lane width of Exist road at residential area) St.7+515 -6+840LHS	61d		11-Jun-14 A	17-Mar-15	2d
	Road Works	61d		11-Jun-14 A	17-Mar-15	2d
SHT3180	Maintain traffic control and safety plan ,all coordination and relocate utilities if required	61d	5%	11-Jun-14 A	17-Mar-15	2d
SHT3190	Remove exist asphalt , Road excavation and backfilling to the required subgrade level	21d	25%	12-Jun-14 A	18-Sep-14	92d
	Main pipelines & (Reconstruct 4m width Exist asphalt or dirt road at agricultural) St.6+840 to 6+220	0d				0d
	Safety and Excavation Works	0d				0d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Base course and Asphalt	0d				0d
	Main pipelines & (Area C intersection to Karmi Tzur) From St. 6+220 to 5+980	0d				0d
	Safety and Pipe Culvert	0d				0d
	Pipe Installation	0d				0d
	Civil Chamber work	0d				0d
	Testing	0d				0d
	Asphalt	0d				0d
	Surge Control System final connection to the booster station	0d				0d
	Final Mechanical connection for main pipeline & distribution net work	0d				0d
	Safety	0d				0d
	Mechanical	0d				0d
	Connection new pipe to existing	0d				0d
	Final Disinfection and Pressure Testing	0d				0d
	Concrete and Road Finishing work	0d				0d
	Post Construction Phase	0d				0d
	Post Construction Submittals	0d				0d
	Start up, Training and commissioning	0d				0d
	Demobilization	0d				0d
	Post Construction activities	0d				0d



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

Date	Revision	Checked	Approved
02-Sep-14			

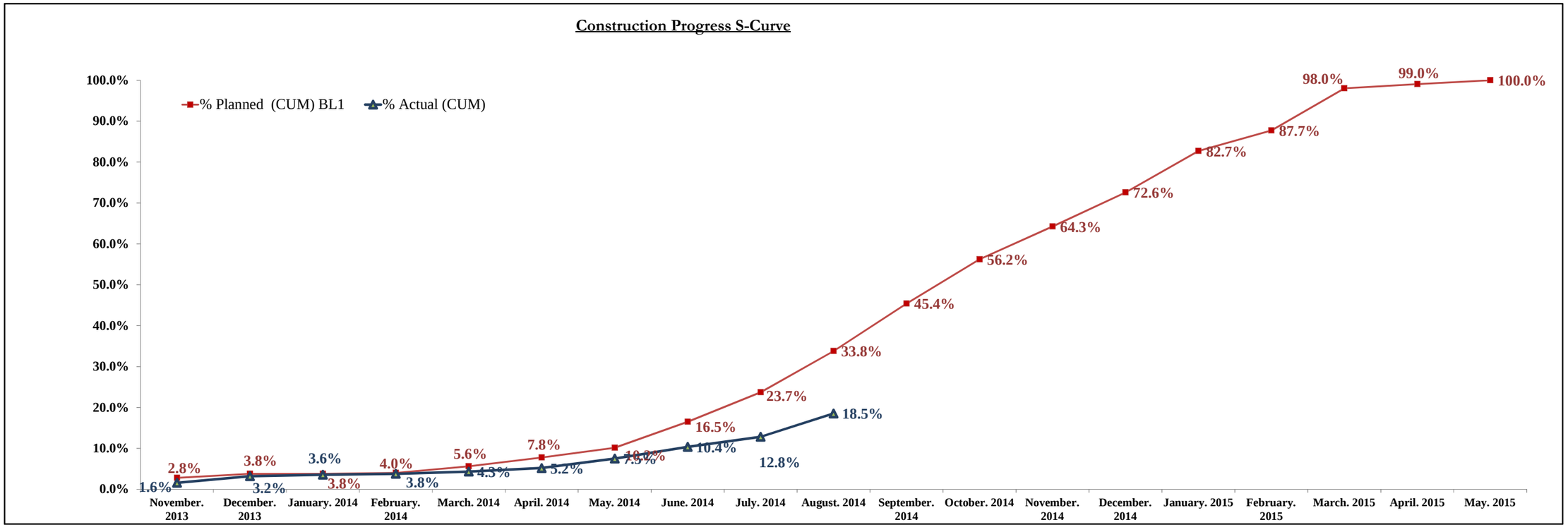
C | Progress S-Curve Versus Actual

Construction Progress S-Curve

Total Contract Value (Orginal): $ 16,512,214
Total Contract Value (Day Work Not Included): $ 15,612,214
Total Contract Value (VO1) $ 15,822,399
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	$ 367,313	$ 448,617	$ 391,935	$ 903,602										**$ 2,934,415**
Actual Value (CUM)	$ 251,915	$ 509,637	$ 564,751	$ 601,536	$ 682,929	$ 822,948	$ 1,190,261	$ 1,638,878	$ 2,030,813	$ 2,934,415										
% Actual	1.6%	1.6%	0.3%	0.2%	0.5%	0.9%	2.3%	2.8%	2.5%	5.7%										**18.5%**
% Actual (CUM)	1.6%	3.2%	3.6%	3.8%	4.3%	5.2%	7.5%	10.4%	12.8%	18.5%										



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
	SM-13-00016-SHT-E-C-007	Construction Activities (from Sta.9+000 to Sta.9+200)	SHT	05/08/14	Site Instruction
	SM-13-00016-SHT-E-C-008	Removal of Bedding Materials from Site	SHT	06/18/14	Site Instruction
	SM-13-00016-SHT-E-C-009	Letter From Halhoul Municipality- Excavation Work from Sta. 7+240 to Sta. 6+840	SHT	07/02/14	Site Instruction
	SM-13-00016-SHT-E-C-010	Restoration of 8" Pipeline Trench at Beit-Ummer Segment	SHT	07/03/14	Site Instruction / Record of Unsafe Condition
	SM-13-00016-SHT-E-C-011	Common Trench Details	SHT	07/05/14	Site Instruction
	SM-13-00016-SHT-E-C-012	Bladder Surge System	SHT	07/09/14	Site Instruction
	SM-13-00016-SHT-E-C-013	Construction Activities at Beit Ummar Segment	SHT	07/16/14	Site Instruction / Record of Unsatisfactory Work Practice
	SM-13-00016-SHT-E-C-014	Retaining Wall and Concrete Curb Stone from Sta.7+050 to Sta. 6+880	SHT	07/17/14	Site Instruction
	SM-13-00016-SHT-E-C-015	Work Stoppage Order at Halhul Segment	SHT	07/21/14	Site Instruction
	SM-13-00016-SHT-E-C-016	Electrodes Used for 30" Welding at Fabrication Yard	SHT	07/21/14	Record of Non Quality Compliance
	SM-13-00016-SHT-E-C-017	Changing the 30 " Pipeline Route at Sta.9+900	SHT	07/22/14	Site Instruction
	SM-13-00016-SHT-E-C-018	Retaining Wall from Sta.7+364.85 to Sta.7+389.02	SHT	07/24/14	Site Instruction
	SM-13-00016-SHT-E-C-019	Relocation of Water Meter Connection Chamber from Sta.0+155.3 to Sta.1+280	SHT	08/10/14	Site Instruction
	SM-13-00016-SHT-E-C-020	Revised Drawing for Storm Water Drainage System from Sta.7+150 to Sta.7+350	SHT	08/10/14	Site Instruction

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

SUBMITTAL				TRACKING DATES	
Spec. No.	Submittal No	Subject	Project	Submitted on (M/D/Y)	Remarks
	SM-13-00016-SHT-C-E-001	Signed Right of Way from Sta.6+800 to Sta.7+515	SHT	03/17/14	Other
	SM-13-00016-SHT-C-E-002	Signed Eliminate 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
	SM-13-00016-SHT-C-E-005	Construction of Concrete Retaining Wall from Sta.7+376 to Sta.7+389 LHS	SHT	04/21/14	Other
	SM-13-00016-SHT-C-E-006	Construction of Concrete Retaining Wall from Sta.7+376 to Sta.7+389 LHS (Existing Building issue)	SHT	05/05/14	Other
	SM-13-00016-SHT-C-E-007	Asphalt Reinstatement Works for 8" water line in Beit Ummar	SHT	06/30/14	Other
	SM-13-00016-SHT-C-E-008	Halhul Municipality Letter (Work Stopage)	SHT	07/22/14	Site Instruction
	SM-13-00016-SHT-C-E-009	Response to SM -13-00016-SHT-E-C-016 -Electrodes Used for 30" Welding at Fabrication Yard	SHT	07/22/14	Record of Non Quality Compliance

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

APCO/ArCon CONSTRUCTION AND SERVICES

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	01/26/14	01/27/14	01/29/14	2	C
	IR-13-00016-SHT-001-A 2nd Inspection	NGL level & CL of retaining wall - From st.7+093 to st.7+220	01/30/14	01/30/14	02/03/14	4	A
	IR-13-00016-SHT-002-A	Safety Plan - From st.6+680 to st.7+715	01/28/14	01/29/14	01/29/14	0	C
	IR-13-00016-SHT-002-A 2nd Inspection	Safety Plan - From st.6+680 to st.7+715	01/30/14	01/30/14	02/03/14	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	02/06/14	02/06/14	02/09/14	3	A
	IR-13-00016-SHT-004-A	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	02/06/14	02/08/14	02/09/14	1	C
	IR-13-00016-SHT-004-A - 2nd Inspection	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	02/09/14	02/09/14	02/10/14	1	D
	IR-13-00016-SHT-004-B	Inspection for formworks for blinding concrete , From st.7+093 to st.7+170	02/20/14	02/20/14	02/20/14	0	A
	IR-13-00016-SHT-005-A	Inspection for Casting blinding concrete, From st.7+093 to st.7+170	02/06/14	02/08/14	02/09/14	1	C
	IR-13-00016-SHT-005-A - 2nd Inspection	Inspection for Casting blinding concrete, From st.7+093 to st.7+171	02/09/14	02/09/14	02/10/14	1	D
	IR-13-00016-SHT-005-B	Inspection for Casting blinding concrete, From st.7+093 to st.7+170	02/20/14	02/20/14	02/20/14	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	02/20/14	02/20/14	02/20/14	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	02/25/14	02/25/14	02/26/14	1	A
	IR-13-00016-SHT-008-A	Inspection for traffic plan, From st.0+000 to st.2+700	02/27/14	03/01/14	03/03/14	2	C
	IR-13-00016-SHT-008-B	Inspection for traffic plan, From st.0+000 to st.2+701	03/03/14	03/03/14	03/03/14	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	02/27/14	03/01/14	03/03/14	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	03/05/14	03/03/14	03/03/14	0	A
	IR-13-00016-SHT-010-A	Inspection for top level of the retaining wall, From st.7+095 to st.7+170	03/02/14	03/02/14	03/03/14	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	03/02/14	03/03/14	03/05/14	2	A
	IR-13-00016-SHT-012-A	Inspection for Steel Works for the wall - From st.7+096 to st.7+107	03/04/14	03/04/14	03/05/14	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	03/05/14	03/05/14	03/06/14	1	A
	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	03/06/14	03/06/14	03/06/14	0	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

APCO/ArCon CONSTRUCTION AND SERVICES

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-015-A	Inspection for casting concrete for the retaining wall. Retaining Wall from st.7+096 to st.7+107	03/06/14	03/08/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/09/14	03/09/14	03/09/14	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	03/10/14	03/11/14	03/11/14	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	03/11/14	03/11/14	03/11/14	0	A
	IR-13-00016-SHT-023-A	Inspection for Storage Yard.	03/17/14	03/17/14	03/17/14	0	C
	IR-13-00016-SHT-023-B	Inspection for Storage Yard.	03/24/14	03/24/14	03/24/14	0	C
	IR-13-00016-SHT-023-C	Inspection for Storage Yard.	03/31/14	03/31/14	04/01/14	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	03/18/14	03/18/14	03/20/14	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	03/19/14	03/19/14	03/20/14	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	03/23/14	03/23/14	03/24/14	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	03/24/14	03/24/14	03/24/14	0	A
	IR-13-00016-SHT-028-A	Inspection for 8" pipes hand over	03/24/14	03/24/14	03/24/14	0	C
	IR-13-00016-SHT-028-B	Inspection for 8" pipes hand over	03/31/14	03/31/14	04/01/14	1	C
	IR-13-00016-SHT-028-C	Inspection for 8" pipes hand over & Fittings	05/14/14	05/14/14	05/15/14	1	C
	IR-13-00016-SHT-029-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st. 7+107 to st.7+118	03/24/14	03/24/14	03/24/14	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	03/24/14	03/24/14	03/24/14	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	03/24/14	03/24/14	03/24/14	0	A
	IR-13-00016-SHT-032-A	Inspection for fabrication of elbows in the workshop.	03/31/14	03/31/14	04/01/14	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

APCO/ArCon CONSTRUCTION AND SERVICES

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-033-A	Inspection the alignment of 8'' pipeline & existing utilities at Beit Ummar Water Distribution Network before start excavation From Sta.0+480 to Sta.0+820	04/01/14	04/01/14	04/02/14	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	04/02/14	04/02/14	04/02/14	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	04/02/14	04/02/14	04/03/14	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	04/03/14	04/03/14	04/03/14	0	A
	IR-13-00016-SHT-036-A	Inspection excavation reduce level from st.7+389 to st.7+419	04/07/14	04/07/14	04/08/14	1	A
	IR-13-00016-SHT-037-A	Inspection excavation reduce level From st.7+441 to st.7+449	04/07/14	04/07/14	04/08/14	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	04/08/14	04/08/14	04/08/14	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	04/10/14	04/12/14	04/13/14	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	04/10/14	04/12/14	04/13/14	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	04/13/14	04/14/14	04/14/14	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	04/13/14	04/14/14	04/14/14	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	04/21/14	04/21/14	04/22/14	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	04/14/14	04/13/14	04/15/14	2	A
	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	04/14/14	04/15/14	04/15/14	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	04/16/14	04/16/14	04/16/14	0	A
	IR-13-00016-SHT-046-A	Inspection for steel works & formwork for the retaining wall foundation before casting concrete- 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	04/17/14	04/19/14	04/19/14	0	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

APCO ArCon CONSTRUCTION AND SERVICES

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-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	04/17/14	04/19/14	04/19/14	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	04/17/14	04/19/14	04/19/14	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	04/17/14	04/19/14	04/19/14	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	04/21/14	04/21/14	04/22/14	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	04/24/14	04/24/14	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	04/27/14	04/27/14	04/27/14	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	04/27/14	04/27/14	04/27/14	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	04/27/14	04/27/14	04/27/14	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	04/27/14	04/27/14	04/27/14	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	04/28/14	04/30/14	05/01/14	1	A
	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	04/28/14	04/28/14	04/28/14	0	A
	IR-13-00016-SHT-058-A	Inspection 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	04/30/14	04/30/14	04/30/14	0	A
	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	04/30/14	05/01/14	05/01/14	0	A
	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	04/30/14	05/01/14	05/01/14	0	A
	IR-13-00016-SHT-061-A	Inspection for excavation for the retaining wall to reduce level from st.7+270 to st. 7+310	04/30/14	05/01/14	05/01/14	0	A
	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	04/30/14	05/01/14	05/01/14	0	A
	IR-13-00016-SHT-063-A	Inspection for casting blinding concrete for the wall foundation from st.7+274.35 to st. 7+309.48	04/30/14	05/01/14	05/01/14	0	A

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Inspection Request Log

Inspection Request			TRACKING DATES				Approval Status
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	IR-13-00016-SHT-064-A	Inspection for steel works for the wall of the retaining wall from st.7+407.05 to st.7+416.85	05/04/14	05/04/14	05/04/14	0	A
	IR-13-00016-SHT-065-A	Inspection for 30'' pipe manufacturing process and review (Check testing) - METCO Factory	05/05/14	05/11/14	05/12/14	1	A
	IR-13-00016-SHT-066-A	Inspection for excavation for the retaining wall to reduce level - Retaining Wall from st.7+220 to st. 7+270	05/05/14	05/05/14	05/05/14	0	C
	IR-13-00016-SHT-066-B	Inspection for excavation for the retaining wall to reduce level - Retaining Wall from st.7+235 to st. 7+270	05/07/14	05/07/14	05/07/14	0	A
	IR-13-00016-SHT-067-A	Inspection for formwork and coordinate of the wall foundation before casting blinding concrete - Retaining Wall from st.7+220 to st. 7+270	05/05/14	05/05/14	05/05/14	0	C
	IR-13-00016-SHT-067-B	Inspection for formwork and coordinate of the wall foundation before casting blinding concrete- Retaining Wall from st.7+235 to st. 7+270	05/07/14	05/07/14	05/07/14	0	A
	IR-13-00016-SHT-068-A	Inspection for casting blinding concrete for the wall foundation- Retaining Wall from st.7+235 to st. 7+270	05/07/14	05/07/14	05/07/14	0	A
	IR-13-00016-SHT-069-A	Inspection for formwork for the wall of the retaining wall from st.7+407.05 to st.7+416.85	05/08/14	05/10/14	05/11/14	1	A
	IR-13-00016-SHT-070-A	Inspection for casting concrete for the wall of the retaining wall - Retaining Wall from st.7+407.05 to st.7+416.85	05/08/14	05/10/14	05/11/14	1	A
	IR-13-00016-SHT-071-A	Inspection the alignment of 8'' pipeline & existing utilities at Beit Ummar Water Distribution Network before start excavation from Sta.0+820 to st. 2+295	05/10/14	05/10/14	05/11/14	1	A
	IR-13-00016-SHT-072-A	Inspection the alignment of 8'' pipeline & existing utilities at Beit Ummar Water Distribution Network before start excavation from sta.0+000 to 0+480	05/11/14	05/12/14	05/12/14	0	A
	IR-13-00016-SHT-073-A	Inspection for steel works for the retaining wall foundation from st.7+330.87 to st.7+361.82	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00016-SHT-074-A	Inspection for steel works for the wall of the retaining wall from st.7+398 to st.7+389.32	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00016-SHT-075-A	Inspection for steel works for the wall of the retaining wall from st.7+457.22 to st.7+464.19	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00016-SHT-076-A	Inspection for steel works for the wall of the retaining wall from st.7+479.12 to st.7+488.99	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00016-SHT-077-A	Inspection for casting concrete for the retaining wall foundation from st.7+330.87 to st.7+361.82	05/12/14	05/12/14	05/12/14	0	A
	IR-13-00016-SHT-078-A	Inspection for safety measures , traffic plan before start excavation & installation for Beit Omar 8`` pipeline - Beit Omar 8`` pipeline 0+000 to 0+820	05/14/14	05/14/14	05/14/14	0	A
	IR-13-00016-SHT-079-A	Inspection for steel works for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+280.65 to st.7+331.17	05/14/14	05/14/14	05/14/14	0	A

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	IR-13-00016-SHT-080-A	Inspection for casting concrete for the retaining wall base slab. (Retaining wall foundation) from st.7+280.65 to st.7+331.18	05/14/14	05/15/14	05/15/14	0	A
	IR-13-00016-SHT-081-A	Inspection for casting concrete for the wall of the retaining wall from st.7+457.22 to st.7+468.42	05/18/14	05/18/14	05/18/14	0	A
	IR-13-00016-SHT-082-A	Inspection for casting concrete for the wall of the retaining wall from st.7+479.12 to st.7+488.99	05/18/14	05/18/14	05/18/14	0	A
	IR-13-00016-SHT-083-A	Inspection for fabrication of 30'' bends using the following equipments : Telescope JCB, Balanko, Fiber Cutter & welding Machine	05/20/14	05/20/14	05/21/14	1	D
	IR-13-00016-SHT-084-A	Inspection for 30'' pipe tests including 1. Two sets of tension test., 2. Two sets of bend test., 3. Six sets of impact test. - Location: Tzinorot Lab (Metallurgical Laboratory)	05/20/14	05/22/14	05/22/14	0	A
	IR-13-00016-SHT-085-A	Inspection for steel works for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+259.84 to st.7+280.65	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-086-A	Inspection for formwork for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+259.84 to st.7+280.65	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-087-A	Inspection the alignment of 8'' pipeline & existing utilities at Beit Ummar Water Distribution Network before start excavation from Sta.0+820 to st. 0+900	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-088-A	Inspection for safety measures , traffic plan before start excavation & installation for Beit Omar 8`` pipeline - Beit Omar 8`` pipeline 0+820 to 0+900	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-089-A	Inspection for casting concrete for the wall of the retaining wall from st.7+389.32 to st.7+398	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-090-A	Inspection for casting concrete for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+259.84 to st.7+280.65	05/21/14	05/21/14	05/21/14	0	A
	IR-13-00016-SHT-091-A	Inspection Request for black pipe and coating the 8" pipes in METCO	05/25/14	05/26/14	05/27/14	1	A
	IR-13-00016-SHT-092-A	Inspection for steel works for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+237.30 to st.7+259.84	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00016-SHT-093-A	Inspection for casting concrete for the wall base slab of the retaining wall (Retaining wall foundation) from st.7+237.30 to st.7+259.84	05/26/14	05/27/14	05/27/14	0	A
	IR-13-00016-SHT-094-A	Inspection for steel works for the wall of the retaining wall from st.7+347.62 to st.7+357.36	05/26/14	05/27/14	05/27/14	0	A
	IR-13-00016-SHT-095-A	Inspection for steel works for the wall of the retaining wall from st.7+500.14 to st.7+505.59	05/26/14	05/27/14	05/27/14	0	A

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	IR-13-00016-SHT-096-A	Inspection for casting concrete for the wall of the retaining wall from st.7+500.14 to st.7+505.59	05/27/14	05/27/14	05/27/14	0	A
	IR-13-00016-SHT-097-A	Inspection for steel works for the wall of the retaining wall from st.7+398 to st.7+407.5	05/27/14	05/28/14	05/28/14	0	A
	IR-13-00016-SHT-098-A	Inspection for casting concrete for the wall of the retaining wall from st.7+347.62 to st.7+357.36 , First stage (with height 3.44)	05/29/14	05/29/14	05/29/14	0	A
	IR-13-00016-SHT-099-A	Inspection for steel works for the wall of the retaining wall from st.7+439.66 to st.7+447.37	05/29/14	05/29/14	05/29/14	0	A
	IR-13-00016-SHT-100-A	Inspection for casting concrete for the wall of the retaining wall from st.7+398 to st.7+407.05	05/31/14	05/31/14	05/31/14	0	A
	IR-13-00016-SHT-101-A	Inspection for casting concrete for the wall of the retaining wall from st.7+439.66 to st.7+447.37	06/01/14	06/01/14	06/01/14	0	A
	IR-13-00016-SHT-102-A	Inspection for steel works for the wall of the retaining wall from st.7+328.12 to st.7+337.87	06/01/14	06/01/14	06/01/14	0	A
	IR-13-00016-SHT-103-A	Inspection for casting concrete for the wall of the retaining wall from st.7+347.62 to st.7+357.36 , 2nd stage (with height 3.44)	06/01/14	06/01/14	06/01/14	0	A
	IR-13-00016-SHT-104-A	Inspection for casting concrete first stage for the wall of the retaining wall from st.7+328.12 to st.7+337.87 (height - 3.90 m)	06/02/14	06/03/14	06/03/14	0	A
	IR-13-00016-SHT-105-A	Inspection for safety measures , traffic plan before start excavation & installation for Beit Omar 8`` pipeline - Beit Omar 8`` pipeline 1+600 to 2+370	06/03/14	06/03/14	06/04/14	1	C
	IR-13-00016-SHT-106-A	Inspection for casting concrete 2nd stage for the wall of the retaining wall from st.7+328.12 to st.7+337.87 (height - 3.90 m)	06/05/14	06/07/14	06/07/14	0	A
	IR-13-00016-SHT-107-A	Inspection for steel works for the wall of the retaining wall from st.7+308 to st.7+318.12	06/07/14	06/07/14	06/07/14	0	A
	IR-13-00016-SHT-108-A	Inspection for Backfill selected material - Retaining wall from st.7+093 to st.7+175	06/07/14	06/08/14	06/08/14	0	D
	IR-13-00016-SHT-108-B	Inspection for Backfill selected material - Retaining wall from st.7+093 to st.7+170	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-109-A	Inspection for casting concrete **first Stag**e for the wall of the retaining wall from st.7+308 to st.7+318.12	06/08/14	06/09/14	06/09/14	0	A
	IR-13-00016-SHT-110-A	Inspection for safety measures , traffic plan before start excavation & installation for Roads - Halhul- 7+080 to 7+200	06/08/14	06/09/14	06/10/14	1	C
	IR-13-00016-SHT-110-B	Inspection for traffic plan before start excavation & installation for Roads - Halhul- 7+080 to 7+200	06/10/14	06/10/14	06/10/14	0	A
	IR-13-00016-SHT-111-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from st.7+289.98 to st.7+299.78	06/08/14	06/09/14	06/10/14	1	A
	IR-13-00016-SHT-112-A	Inspection for welder qualification tests- Storage Yard	06/08/14	06/09/14	06/10/14	1	A

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	IR-13-00016-SHT-113-A	Inspection for casting concrete **2nd Stage** for the wall of the retaining wall from st.7+308.48 to st.7+318.38	06/10/14	06/10/14	06/10/14	0	A
	IR-13-00016-SHT-114-A	Inspection for the preparation works for interior side up to 2m height before start of first coat - Retaining Wall from st.7+450 to st.7+505	06/10/14	06/10/14	06/11/14	1	C
	IR-13-00016-SHT-114-B	Inspection for the preparation works for interior side up to 2m height before start of first coat - Retaining Wall from st.7+450 to st.7+505	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-115-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from st.7+268.94 to st.7+278.85	06/10/14	06/10/14	06/10/14	0	A
	IR-13-00016-SHT-116-A	Inspection for sub grade level for 30" pipeline from sta.0+900 to sta.1+200	06/10/14	06/11/14	06/11/14	0	C
	IR-13-00016-SHT-117-A	Inspection for sub grade level for Al-Aroub network from sta.0+000 to sta.0+200 & from sta.0+230 to sta.0+500	06/11/14	06/11/14	06/11/14	0	C
	IR-13-00016-SHT-117-B	Inspection for sub grade level for Al-Aroub network from sta.0+000 to sta.0+700	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-118-A	Inspection for digging in 6" Al-Aroub pipeline from sta.0+000 to sta.0+260	06/11/14	06/11/14	06/11/14	0	A
	IR-13-00016-SHT-119-A	Inspection for casting concrete **first stage** for the wall of the retaining wall from st.7+289.98 to st.7+299.78	06/11/14	06/11/14	06/11/14	0	A
	IR-13-00016-SHT-120-A	Inspection for final excavation level from sta.7+215 to sta.7+220	06/12/14	06/12/14	06/12/14	0	A
	IR-13-00016-SHT-121-A	Inspection for 30" main pipeline installation from sta.1+200 to sta.0+800	06/12/14	06/12/14	06/12/14	0	D
	IR-13-00016-SHT-122-A	Inspection for safety measurements along 30" main pipeline installation from sta.1+200 to sta.0+800	06/12/14	06/12/14	06/12/14	0	C
	IR-13-00016-SHT-122-B	Inspection for safety measurements along 30" main pipeline installation from sta.1+200 to sta.0+800	06/18/14	06/18/14	06/18/14	0	C
	IR-13-00016-SHT-123-A	Inspection for marking of ROW coordinates for right hand side of road before start excavation	06/12/14	06/12/14	06/12/14	0	A
	IR-13-00016-SHT-124-A	Inspection for casting concrete **2nd stage** for the wall of the retaining wall from st.7+289.98 to st.7+299.78	06/12/14	06/14/14	06/15/14	1	A
	IR-13-00016-SHT-125-A	Inspection for safety measurement before start excavation & installation for Roads - Halhul- 7+000 to 7+200	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-126-A	Inspection for the preparation works for outer side up to natural ground level before start of first coat from sta.7+093 to sta.7+175	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-127-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from st.7+337.87 to st.7+347.62	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-128-A	Inspection for casting concrete 1st stage for the wall of the retaining wall - Retaining wall from st.7+268.94 to st.7+278.85	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-129-A	Inspection for Internal cement lining mockup of 30" elbows at Workshop	06/15/14	06/15/14	06/15/14	0	A

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	IR-13-00016-SHT-130-A	Inspection for Backfill **first layer** selected material - Retaining wall from st.7+093 to st.7+170	06/15/14	06/15/14	06/15/14	0	A
	IR-13-00016-SHT-131-A	Inspection for Backfill **2nd layer** selected material - Retaining wall from st.7+093 to st.7+170	06/16/14	06/16/14	06/16/14	0	A
	IR-13-00016-SHT-132-A	Inspection for casting concrete 1st stage for the wall of the retaining wall - Retaining wall from st.7+337.87 to st.7+347.62	06/16/14	06/16/14	06/16/14	0	A
	IR-13-00016-SHT-133-A	Inspection for first coat insulation works for interior side up to 2m height before start of 2nd coat insulation- Retaining Wall from st.7+450 to st.7+505	06/17/14	06/17/14	06/17/14	0	A
	IR-13-00016-SHT-134-A	Inspection for welder qualification tests- Storage Yard	06/17/14	06/17/14	06/17/14	0	C
	IR-13-00016-SHT-134-B	Inspection for welder qualification tests- Storage Yard	06/18/14	06/18/14	06/19/14	1	A
	IR-13-00016-SHT-135-A	Inspection for casting concrete 2nd stage for the wall of the retaining wall - Retaining wall from st.7+268.94 to st.7+278.85	06/17/14	06/17/14	06/17/14	0	A
	IR-13-00016-SHT-136-A	Inspection for Backfill **3rd layer** selected material - Retaining wall from st.7+093 to st.7+170	06/17/14	06/17/14	06/18/14	1	C
	IR-13-00016-SHT-136-B	Inspection for Backfill 3rd layer selected material - Retaining wall from st.7+093 to st.7+170	06/18/14	06/18/14	06/19/14	1	A
	IR-13-00016-SHT-137-A	Inspection for 2nd coat insulation works for interior side up to 2m height before start backfilling- Retaining Wall from st.7+450 to st.7+505	06/17/14	06/18/14	06/18/14	0	A
	IR-13-00016-SHT-138-A	Inspection for formwork 2nd stage for the wall of the retaining wall - Retaining wall from st.7+337.87 to st.7+347.62	06/18/14	06/18/14	06/18/14	0	A
	IR-13-00016-SHT-139-A	Inspection for casting concrete 2nd stage for the wall of the retaining wall - Retaining wall from st.7+337.87 to st.7+347.62	06/18/14	06/19/14	06/19/14	0	A
	IR-13-00016-SHT-140-A	Inspection for Backfill first layer selected material - Retaining Wall from st.7+450 to st.7+505	06/19/14	06/19/14	06/19/14	0	C
	IR-13-00016-SHT-140-B	Inspection for Backfill **first layer** selected material - Retaining Wall from st.7+450 to st.7+505	06/22/14	06/22/14	06/23/14	1	C
	IR-13-00016-SHT-140-C	Inspection for Backfill first layer selected material - Retaining Wall from st.7+450 to st.7+470	06/25/14	06/25/14	06/25/14	0	A
	IR-13-00016-SHT-141-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from st.7+318.38 to st.7+328.12	06/19/14	06/19/14	06/19/14	0	A
	IR-13-00016-SHT-142-A	Inspection for formwork for the wall of the retaining wall - Retaining wall from st.7+318.38 to st.7+328.12	06/19/14	06/21/14	06/21/14	0	A
	IR-13-00016-SHT-143-A	Inspection for casting concrete **1st stage** for the wall of the retaining wall - Retaining wall from st.7+318.38 to st.7+328.12	06/19/14	06/21/14	06/21/14	0	A
	IR-13-00016-SHT-144-A	Inspection for traffic plan along 8'' Halhul Network (Zaboud) before start construction from st. 0+000 to st.1+100	06/19/14	06/21/14	06/21/14	0	C
	IR-13-00016-SHT-144-B	Inspection for traffic plan along 8'' Halhul Network (Zaboud) before start construction from st. 0+000 to st.1+100	06/22/14	06/22/14	06/22/14	0	A

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	IR-13-00016-SHT-145-A	Inspection for the alignment of 8'' pipeline & existing utilities at Zaboud Network before start excavation from sta.0+600 to sta.1+100	06/19/14	06/21/14	06/21/14	0	C
	IR-13-00016-SHT-145-B	Inspection for the alignment of 8'' pipeline & existing utilities at Zaboud Network before start excavation from sta.0+600 to sta.1+100	06/22/14	06/22/14	06/22/14	0	A
	IR-13-00016-SHT-146-A	Inspection for Backfill **4th layer** selected material - Retaining wall from st.7+093 to st.7+150	06/22/14	06/22/14	06/22/14	0	A
	IR-13-00016-SHT-147-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from sta. 7+439.66 to access road	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00016-SHT-148-A	Inspection for formwork for the wall of the retaining wall - Retaining wall from sta. 7+439.66 to access road	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00016-SHT-149-A	Inspection for casting concrete for the wall of the retaining wall - Retaining wall from sta. 7+439.66 to access road	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00016-SHT-150-A	Inspection for steel works for the wall of the retaining wall - Retaining wall from sta. 7+250.45 to sta.7+259.24	06/22/14	06/22/14	06/22/14	0	A
	IR-13-00016-SHT-151-A	Inspection for casting blinding concrete for the wall foundation from sta. 7+203.4 to sta.7+237.30	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-152-A	Inspection for formwork **2nd stage** for the wall of the retaining wall - Retaining wall from st.7+318.38 to st.7+328.12	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-153-A	Inspection for casting concrete 2nd stage for the wall of the retaining wall - Retaining wall from st.7+318.38 to st.7+328.12	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-154-A	Inspection for steel works for the retaining wall foundation from sta.7+361.82 to sta.7+363.22	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-155-A	Inspection for casting concrete for the retaining wall foundation from sta.7+361.82 to sta.7+363.22	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-156-A	Inspection for Backfill **5th layer** selected material - Retaining wall from st.7+093 to st.7+135	06/23/14	06/23/14	06/23/14	0	A
	IR-13-00016-SHT-157-A	Inspection for formwork **first stage** for the wall of the retaining wall - Retaining wall from sta. 7+250.58 to sta.7+259.27	06/25/14	06/25/14	06/25/14	0	A
	IR-13-00016-SHT-158-A	Inspection for casting concrete **first stage** for the wall of the retaining wall - Retaining wall from sta. 7+250.58 to sta.7+259.27	06/25/14	06/25/14	06/25/14	0	A
	IR-13-00016-SHT-159-A	Inspection for steel works for the wall of the retaining wall from sta.7+299.72 to sta.7+308.48	06/25/14	06/25/14	06/25/14	0	A
	IR-13-00016-SHT-160-A	Inspection for steel works for the retaining wall foundation from sta.7+418.5 to sta.7+420	06/25/14	06/25/14	06/25/14	0	A

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	IR-13-00016-SHT-161-A	Inspection for casting concrete for the retaining wall foundation from sta.7+418.5 to sta.7+420	06/25/14	06/25/14	06/25/14	0	A
	IR-13-00016-SHT-162-A	Inspection for Backfill 2nd layer selected material - Retaining Wall from st.7+450 to st.7+465	06/25/14	06/26/14	06/26/14	0	A
	IR-13-00016-SHT-163-A	Inspection for Backfill **6th layer** selected material - Retaining wall from st.7+093 to st.7+120	06/25/14	06/26/14	06/26/14	0	A
	IR-13-00016-SHT-164-A	Inspection for Backfill 1st layer selected material - Retaining wall from st.7+470 to st.7+485	06/25/14	06/26/14	06/26/14	0	A
	IR-13-00016-SHT-165-A	Inspection for safety measurement before start excavation & installation 8" pipes - Halhul-Zaboud from sta.0+620 to 1+110	06/26/14	06/26/14	06/26/14	0	A
	IR-13-00016-SHT-166-A	Inspection for casting concrete 2nd stage for the wall of the retaining wall - Retaining wall from sta. 7+250.58 to sta.7+259.27	06/26/14	06/28/14	06/29/14	1	A
	IR-13-00016-SHT-167-A	Inspection for steel works for the wall of the retaining wall from sta.7+278.85 to sta.7+289.98	06/29/14	06/29/14	06/29/14	0	A
	IR-13-00016-SHT-168-A	Inspection for formwork for the wall of the retaining wall from sta.7+299.78 to sta.7+308.48	06/29/14	06/30/14	06/30/14	0	A
	IR-13-00016-SHT-169-A	Inspection for safety and traffic plan before road excavation From St.6+900 to st.7+120	06/29/14	06/30/14	06/30/14	0	D
	IR-13-00016-SHT-169-B	Inspection for safety and traffic plan before road excavation From St.6+900 to st.7+250 - Al-Hawawer	07/03/14	07/03/14	07/03/14	0	C
	IR-13-00016-SHT-169-C	Inspection for traffic plan before road excavation From St.6+900 to st.7+250 - Al-Hawawer	07/05/14	07/06/14	07/06/14	0	C
	IR-13-00016-SHT-170-A	Inspection for casting concrete B-250 **first stage** for the wall of the retaining wall from sta.7+299.72 to sta.7+308.48	06/29/14	06/30/14	06/30/14	0	A
	IR-13-00016-SHT-171-A	Inspection for welder qualification tests- Storage Yard	06/26/14	06/28/14	06/30/14	2	A
	IR-13-00016-SHT-172-A	Inspection for steel works for the retaining wall foundation from sta.7+203.54 to sta.7+237.3	07/02/14	07/03/14	07/03/14	0	C
	IR-13-00016-SHT-172-B	Inspection for steel works for the retaining wall foundation from sta.7+204.23 to sta.7+237.3	07/05/14	07/05/14	07/06/14	1	A
	IR-13-00016-SHT-173-A	Inspection for welder qualification tests- Storage Yard	07/03/14	07/03/14	07/03/14	0	A
	IR-13-00016-SHT-174-A	Inspection for Al-Aroub traffic plan from Sta.0+000 to Sta.1+100.	07/03/14	07/03/14	07/03/14	0	C
	IR-13-00016-SHT-175-A	Inspection for formwork for the retaining wall foundation from sta.7+204.23 to sta.7+237.3	07/05/14	07/05/14	07/06/14	1	A
	IR-13-00016-SHT-176-A	Inspection for casting concrete for the retaining wall foundation from sta.7+204.23 to sta.7+237.3	07/05/14	07/05/14	07/06/14	1	A

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	IR-13-00016-SHT-177-A	Inspection for formwork **2nd stage** for the wall of the retaining wall from sta.7+299.72 to sta.7+308.48	07/05/14	07/05/14	07/06/14	1	A
	IR-13-00016-SHT-178-A	Inspection for casting concrete **2nd stage** for the wall of the retaining wall from sta.7+299.72 to sta.7+308.48	07/05/14	07/05/14	07/06/14	1	A
	IR-13-00016-SHT-179-A	Inspection for casting concrete first stage for the wall of the retaining wall from sta.7+278.85 to sta.7+289.98	07/06/14	07/07/14	07/07/14	0	A
	IR-13-00016-SHT-180-A	Inspection for steel works for the wall of the retaining wall from sta.7+357.36to sta.7+363.08	07/08/14	07/09/14	07/09/14	0	A
	IR-13-00016-SHT-181-A	Inspection for Safety plan along 6'' & 4" Al Aroub Network before starting construction, Al Aroub from St. 0+000 to St. 1+200	07/10/14	12-Jul-14	07/13/14	1	A
	IR-13-00016-SHT-182-A	Inspection for coordination and alignment plan along 6'' & 4" Al Aroub Network before starting construction : Al Aroub from St. 0+000 to St. 1+200	07/10/14	07/10/14	07/10/14	0	A
	IR-13-00016-SHT-183-A	Inspection for Safety of Manhole Chamber Beit Ummar 8" water line at St. 0+040	07/10/14	07/10/14	07/10/14	0	D
	IR-13-00016-SHT-184-A	Inspection for Casting Concrete Second Stage Halhul Retaining Wall from St. 7+278.85 to St. 7+288.98	07/10/14	07/12/14	07/13/14	1	A
	IR-13-00016-SHT-185-A	Inspection for Widening Excavation Retaining Wall from St. 7+400 to St. 7+500	07/10/14	07/12/14	07/13/14	1	C
	IR-13-00016-SHT-185-B	Coordination for R.O.W. before start of Widening Excavation for Retaining Wall from St. 7+400 to St. 7+500	07/16/14	07/19/14	07/20/14	1	A
	IR-13-00016-SHT-186-A	Inspection for traffic and safety of widening excavation Halhul Retaining Wall from St. 7+400 to St. 7+500	07/10/14	07/12/14	07/13/14	1	C
	IR-13-00016-SHT-186-B	Inspection for traffic and safety of widening excavation Halhul Retaining Wall from St. 7+400 to St. 7+500	07/16/14	07/16/14	07/17/14	1	A
	IR-13-00016-SHT-187-A	Inspection for video taping for water pipeline Arroub Main Line from St. 1+190 to St. 0+690	07/10/14	07/12/14	07/13/14	1	A
	IR-13-00016-SHT-188-A	Inspection for Lumber form work from St. 7+278.85 to St. 7+288.98	07/12/14	07/12/14	07/13/14	1	A
	IR-13-00016-SHT-189-A	Inspection for steel works for the retaining wall from St.7+416.85 to St. 7+420.01	07/13/14	07/13/14	07/14/14	1	A
	IR-13-00016-SHT-190-A	Inspection for formwork for the retaining wall from St.7+357.36 to St.7+363.08	07/13/14	07/14/14	07/14/14	0	A
	IR-13-00016-SHT-191-A	Inspection for casting concrete (First stage) for the retaining wall from St.7+357.36 to St.7+363.08	07/13/14	07/14/14	07/14/14	0	A
	IR-13-00016-SHT-192-A	Inspection for steel works for the retaining wall from St.7+243.91 to St.7+237.34	07/13/14	07/13/14	07/14/14	1	A
	IR-13-00016-SHT-193-A	Inspection for Radio graphic test along 6" pipe Num of joints 4 -Al-Aroub station from sta. 0+00 to sta. 0+580	07/15/14	07/15/14	07/17/14	2	A
	IR-13-00016-SHT-194-A	Inspection for Steel works for retaining walls from St. 7+259.27 to St. 7+268.49 LHS	07/16/14	07/17/14	07/17/14	0	C

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	IR-13-00016-SHT-194-B	Inspection for Steel works for retaining walls from St. 7+259.27 to St. 7+268.94 LHS	07/1714	07/19/14	07/20/14	1	A
	IR-13-00016-SHT-195-A	Inspection for Formworks for wall of the retaining walls from St. 7+357.36 to St. 7+363.08 LHS	07/16/14	07/17/14	07/17/14	0	A
	IR-13-00016-SHT-196-A	Inspection for casting concrete (second stage) for wall of the retaining walls from St. 7+357.36 to St. 7+363.08 LHS	07/16/14	07/17/14	07/17/14	0	A
	IR-13-00016-SHT-197-A	Inspection for Formworks for wall of the retaining walls from St. 7+416.85 to St. 7+420.01 LHS	07/16/14	07/17/14	07/17/14	0	C
	IR-13-00016-SHT-197-B	Inspection for Formworks for wall of the retaining walls from St. 7+416.85 to St. 7+420.01 LHS	07/17/14	07/19/14	07/20/14	1	A
	IR-13-00016-SHT-198-A	Inspection for casting concrete for wall of the retaining walls from St. 7+416.85 to St. 7+420.01 LHS	07/16/14	07/17/14	07/17/14	0	C
	IR-13-00016-SHT-198-B	Inspection for casting concrete for wall of the retaining walls from St. 7+416.85 to St. 7+420.01 LHS	07/17/14	07/19/14	07/20/14	1	A
	IR-13-00016-SHT-199-A	Inspection for Formworks for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS	07/16/14	07/17/14	07/17/14	0	A
	IR-13-00016-SHT-200-A	Inspection for casting concrete (first stage) for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS	07/16/14	07/17/14	07/17/14	0	A
	IR-13-00016-SHT-201-A	Closeout of May 2014 Environmental Checklist.	07/16/14	07/17/14	07/17/14	0	A
	IR-13-00016-SHT-202-A	Closeout of June 2014 Environmental Checklist.	07/16/14	07/17/14	07/17/14	0	C
	IR-13-00016-SHT-202-B	Closeout of June 2014 Environmental Checklist.	08/19/14	08/19/14	08/20/14	1	A
	IR-13-00016-SHT-203-A	Traffic Control Plan for Al Nabi Younes Intersection	07/20/14	07/20/14	07/20/14	0	A
	IR-13-00016-SHT-204-A	Inspection for the field compaction test along Biet Ummer work pipeline from St. 1+340 to St. 2+300	07/20/14	07/20/14	07/21/14	1	A
	IR-13-00016-SHT-205-A	Inspection for formwork (2nd Stage) for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS.	07/20/14	07/21/14	07/21/14	0	C
	IR-13-00016-SHT-205-B	Inspection for formwork (2nd Stage) for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS.	07/21/14	07/22/14	07/22/14	0	A
	IR-13-00016-SHT-206-A	Inspection for formwork (First Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	07/20/14	07/21/14	07/21/14	0	C

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	IR-13-00016-SHT-206-B	Inspection for formwork (First Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	07/21/14	07/22/14	07/22/14	0	A
	IR-13-00016-SHT-207-A	Inspection for casting concrete (2nd Stage) for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS.	07/20/14	07/21/14	07/21/14	0	C
	IR-13-00016-SHT-207-B	Inspection for casting concrete (2nd Stage) for wall of the retaining walls from St. 7+243.91 to St. 7+237.34 LHS.	07/21/14	07/22/14	07/22/14	0	A
	IR-13-00016-SHT-208-A	Inspection for casting concrete (First Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	07/20/14	07/21/14	07/21/14	0	C
	IR-13-00016-SHT-208-B	Inspection for casting concrete (First Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	07/21/14	07/22/14	07/22/14	0	A
	IR-13-00016-SHT-209-A	Inspection for Welders Qualification Test in Storage Yard	07/20/14	07/21/14	07/21/14	0	C
	IR-13-00016-SHT-209-B	Inspection for Welders Qualification Test in Storage Yard	07/23/14	07/24/14	07/24/14	0	A
	IR-13-00016-SHT-210-A	Inspection for spraying MC And applying first layer of Asphalt wearing course 5 cm thick from St. 2+310 to St. 1+750	07/20/14	07/21/14	07/22/14	1	A
	IR-13-00016-SHT-211-A	Inspection for 8" Beit Ummar Location of Manhole for : 8" G.V at Sta.0+010 , 3" W.O.at Sta.0+058.27 ,6" G.V at Sta.0+804.36 ,3" A.R.V. at Sta.1+080.71 ,6" G.V at Sta.1+251.18 and 3" W.O.at Sta. 2+312	07/22/14	07/23/14	07/23/14	0	A
	IR-13-00016-SHT-212-A	Inspection the alignment of 30'' pipeline & existing utilities at Main Pipeline Distribution Network before start excavation from Sta.1+200 to st. 1+400	07/31/14	07/31/14	08/03/14	3	A
	IR-13-00016-SHT-213-A	Inspection for steel works for wall of the retaining wall from St.7+218.18 to St.7+227.92 Halhoul Road LHS.	08/02/14	08/02/14	08/03/14	1	A
	IR-13-00016-SHT-214-A	Inspection for formwork (Second Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	08/02/14	08/02/14	08/03/14	1	A
	IR-13-00016-SHT-215-A	Inspection for casting concrete (Second Stage) for wall of the retaining walls from St. 7+259.27 to St. 7+268.94 LHS .	08/02/14	08/03/14	08/04/14	1	A
	IR-13-00016-SHT-216-A	Inspection for excavation to reach the subgrade level in Al-aroub Network Road From st.0+000 to st.0+970	08/02/14	08/03/14	08/03/14	0	C
	IR-13-00016-SHT-217-A	Inspection for the preparation works for interior side up to 2m height before start of first coat - Retaining Wall from st.7+390.4 to st.7+420.1	08/03/14	08/03/14	08/04/14	1	A
	IR-13-00016-SHT-218-A	Inspection for the field compaction test along Biet Ummer work pipeline from St. 1+340 to St. 0+810	08/03/14	08/03/14	08/04/14	1	A
	IR-13-00016-SHT-219-A	Inspection for safety and traffic arrangement and order to start excavation for get valve in Biet Ummer Network at sta.0+010.	08/03/14	08/04/14	08/04/14	0	A

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	IR-13-00016-SHT-220-A	Inspection for safety and traffic arrangement and order to start excavation for wash out in Biet Ummer Network at sta.0+058.27.	08/03/14	08/04/14	08/04/14	0	A
	IR-13-00016-SHT-221-A	Inspection for safety and traffic arrangement and order to start excavation for get valve in Biet Ummer Network at sta.0+804.36.	08/03/14	08/04/14	08/04/14	0	A
	IR-13-00016-SHT-222-A	Inspection for formwork (First Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/04/14	08/04/14	08/04/14	0	C
	IR-13-00016-SHT-222-B	Inspection for formwork (First Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/05/14	08/05/14	08/05/14	0	A
	IR-13-00016-SHT-223-A	Inspection for casting concrete (First Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/04/14	08/04/14	08/04/14	0	C
	IR-13-00016-SHT-223-B	Inspection for casting concrete (First Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/05/14	08/05/14	08/05/14	0	A
	IR-13-00016-SHT-224-A	Inspection for spraying MC And applying first layer of Asphalt wearing course 5 cm thick - Beit Ummer Network from St.1+750 to St. 0+800	08/04/14	08/05/14	08/05/14	0	A
	IR-13-00016-SHT-225-A	Inspection for steel works for wall of the retaining wall from St.7+243.91 to St. 7+250.58 LHS.	08/05/14	08/05/14	08/05/14	0	A
	IR-13-00016-SHT-226-A	Inspection for steel works for wall of the retaining wall from St.7+204.23 to St. 7+211.23 LHS.	08/06/14	08/06/14	08/07/14	1	A
	IR-13-00016-SHT-227-A	Inspection for safety measures , traffic plan before start excavation & installation 8" , 30" pipeline - Kharas Junction at sta. 9+000 to 9+100	08/07/14	08/07/14	08/07/14	0	C
	IR-13-00016-SHT-227-B	Inspection for safety measures, before start excavation & installation 8" , 30" pipeline - Kharas Junction at sta. 9+000 to 9+100	08/12/14	08/13/14	08/14/14	1	A
	IR-13-00016-SHT-228-A	Inspection for formorks (First Stage) for wall of the retaining wall from St.7+243.91 to St. 7+250.58 LHS.	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-229-A	Inspection for formwork (2nd Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-230-A	Inspection for 8" alignment pipeline at Zaboud Networks from sta. 0+000 to 0+650	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-231-A	Inspection for the insulation works for interior side up to 2m height before start of second coat - Retaining Wall from st.7+390.4 to st.7+420.1	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-232-A	Inspection for casting concrete (2nd Stage) for wall of the retaining wall from St.7+218.18 to St.7+227.92 LHS.	08/07/14	08/07/14	08/07/14	0	A
	IR-13-00016-SHT-233-A	Inspection for casting concrete (First Stage) for wall of the retaining wall from St.7+243.91 to St. 7+250.58 LHS.	08/07/14	08/09/14	08/10/14	1	A
	IR-13-00016-SHT-234-A	Inspection for the field compaction test along Biet Ummer work pipeline from sta. 0+800 to sta. 0+450	08/09/14	08/09/14	08/10/14	1	A
	IR-13-00016-SHT-235-A	Inspection for the preparation works for interior side up to 2m height before start of first coat - Retaining Wall from st.7+299.78 to st.7+363.22	08/09/14	08/09/14	08/10/14	1	A

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

APCO/ArCon CONSTRUCTION AND SERVICES

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-236-A	Inspection for the insulation works for interior side up to 2m height before start backfilling - Retaining Wall from st.7+390.4 to st.7+420.1	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-237-A	Inspection for steel works for retaining wall foundation from St.7+204.23 to Access Road	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-238-A	Inspection for the field compaction test along Al-Aroub Network pipeline from sta. 0+000 to sta. 0+700	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-239-A	Inspection of 30" manufacturing at METCO factory	08/10/14	08/12/14	08/13/14	1	A
	IR-13-00016-SHT-240-A	Inspection for formworks for wall of the retaining wall from (First Stage) St.7+204.23 to St. 7+211.23 LHS.	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-241-A	Inspection for casting concrete for wall of the retaining wall from (First Stage) St.7+204.23 to St. 7+211.23 LHS.	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-242-A	Inspection for casting concrete for retaining wall foundation from St.7+204.23 to Access Road	08/10/14	08/10/14	08/10/14	0	A
	IR-13-00016-SHT-243-A	Inspection for spraying MC And applying first layer of Asphalt wearing course 5 cm thick - Beit Ummer Network from St.0+800 to St. 0+450	08/11/14	08/11/14	08/11/14	0	A
	IR-13-00016-SHT-244-A	Inspection for 8" Beit Ummar Excavation of Manhole for : 8" G.V at Sta.0+010 , 3" W.O.at Sta.0+058.27 , ,3" A.R.V. at Sta.1+080.71 ,6" G.V at Sta.1+251.18.	08/11/14	08/11/14	08/12/14	1	C
	IR-13-00016-SHT-244-B	Inspection for 8" Beit Ummar Excavation of Manhole for : 8" G.V at Sta.0+010 , 3" W.O.at Sta.0+058.27 , ,3" A.R.V. at Sta.1+080.71 ,6" G.V at Sta.1+251.18.	08/19/14	08/19/14	08/19/14	0	A
	IR-13-00016-SHT-245-A	Inspection for the **7th layer** of selected material backfill behind the retaining wall from st.7+093 to st.7+135	08/11/14	08/11/14	08/11/14	0	A
	IR-13-00016-SHT-246-A	Inspection for coordinates of edge of the wall From St. 7+430 to st.7+435 before start excavation.	08/11/14	08/11/14	08/12/14	1	A
	IR-13-00016-SHT-247-A	Inspection for formworks for wall of the retaining wall from (Second Stage) St.7+243.91 to St. 7+250.58 LHS.	08/11/14	08/11/14	08/11/14	0	A
	IR-13-00016-SHT-248-A	Inspection for casting concrete for wall of the retaining wall from (Second Stage) St.7+243.91 to St. 7+250.58 LHS.	08/11/14	08/12/14	08/12/14	0	A
	IR-13-00016-SHT-249-A	Inspection for the field compaction test along Beit Ummer Network pipeline from sta. 0+450 to sta. 0+050	08/12/14	08/13/14	08/13/14	0	A
	IR-13-00016-SHT-250-A	Inspection for the form work to retaining wall for second stage Halhul from St. 7+204.23 to St. 7+211.25	08/13/14	08/13/14	08/13/14	0	A
	IR-13-00016-SHT-251-A	Inspection for Casting Concrete Second Stage for the retaining wall Halhul Al hawawer from St. 7+204.23 to St. 7+ 211.25	08/13/14	08/14/14	08/14/14	0	A
	IR-13-00016-SHT-252-A	Inspection for foundation steel works for retaining wall from St.7+227.84 to 7+237.34	08/14/14	08/14/14	08/14/14	0	A
	IR-13-00016-SHT-253-A	Inspection for Blinding from Sta. 7+432 to Access Road & 7+175.34.60 to 7+179.75	08/16/14	08/16/14	08/16/14	0	A

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-254-A	Inspection for steel works for retaining wall from Sta.7+196 to Access Road	08/16/14	08/16/14	08/17/14	1	A
	IR-13-00016-SHT-255-A	Inspection for 4", 6" & 12" lining and coating at METCO.	08/17/14	08/19/14	08/19/14	0	A
	IR-13-00016-SHT-256-A	Inspection for formwork for retaining wall-First Stage -from St.7+227.84 to 7+237.34	08/17/14	08/17/14	08/17/14	0	A
	IR-13-00016-SHT-257-A	Inspection for steel works for the wall base slab of the retaining wall from St.7+176.4 to St.7+180.4 LHS	08/17/14	08/17/14	08/17/14	0	A
	IR-13-00016-SHT-258-A	Inspection for Casting Concrete for the wall base slab of the retaining wall from St.7+176.4 to St.7+180.4 LHS	08/17/14	08/17/14	08/17/14	0	A
	IR-13-00016-SHT-259-A	Inspection for Casting Concrete for retaining wall-First Stage -from St.7+227.84 to 7+237.34	08/17/14	08/17/14	08/17/14	0	A
	IR-13-00016-SHT-260-A	Inspection for holding RT test by Morex for the fabricated elbows in the storage yard -No of Joints to be tested 11	08/18/14	08/18/14	08/18/14	0	A
	IR-13-00016-SHT-261-A	Inspection for sub grade level for Al-Aroub network from St.0+700 to St.0+950	08/18/14	08/18/14	08/18/14	0	A
	IR-13-00016-SHT-262-A	Inspection for sub grade level for main road from St.0+900 to St.1+100 & from St.0+700 to St.0+780	08/18/14	08/18/14	08/18/14	0	C
	IR-13-00016-SHT-263-A	Inspection for formwork for retaining wall-Second Stage -from St.7+227.84 to 7+237.34.	08/19/14	08/19/14	08/19/14	0	A
	IR-13-00016-SHT-264-A	Inspection for formwork for retaining wall from St.7+193.1 to Access road	08/19/14	08/19/14	08/19/14	0	A
	IR-13-00016-SHT-265-A	Inspection for the insulation works for interior side up to 2m height before start of second coat - Retaining Wall from st.7+299.78 to st.7+363.22	08/19/14	08/19/14	08/20/14	1	C
	IR-13-00016-SHT-265-B	Inspection for the insulation works for interior side up to 2m height before start of second coat - Retaining Wall from st.7+299.78 to st.7+363.22	08/21/14	08/21/14	08/21/14	0	A
	IR-13-00016-SHT-266-A	Inspection for the field compaction test along halhul pipe line 30" work from St.9+027 to St.9+220	08/19/14	08/19/14	08/20/14	1	A
	IR-13-00016-SHT-267-A	Inspection for casting concrete for retaining wall-Second Stage -from St.7+227.84 to 7+237.34.	08/19/14	08/19/14	08/20/14	1	A
	IR-13-00016-SHT-268-A	Inspection for spraying MC And applying first layer of Asphalt wearing course 5 cm thick from St.9+027 to St.9+220	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-269-A	Inspection for base slab steel fixing for 8" G.V chamber at St.0+011 & W.O chamber at St.0+058 - in order to casting concrete	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-270-A	Inspection for steel for retaining wall foundation from St.7+432 to access road.	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-271-A	Inspection for steel for stair at St.7+705	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-272-A	Inspection for steel works for the retaining wall before casting concrete – retaining wall from St.7+218.05 to St.7+211.25	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-273-A	Inspection for casting concrete for stair foundation at St.7+505	08/20/14	08/20/14	08/21/14	1	A
	IR-13-00016-SHT-274-A	Inspection for casting concrete for retaining wall foundation from St.7+432 to access road.	08/20/14	08/20/14	08/21/14	1	A

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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-275-A	Inspection for casting concrete for base slab 8" G.V chamber at St.0+011 & W.O chamber at St.0+058	08/21/14	08/21/14	08/21/14	0	A
	IR-13-00016-SHT-276-A	Inspection for the insulation works for interior side up to 2m height of second coat before starting backfilling the 1st layer - Retaining Wall from st.7+233 to st.7+363.22	08/21/14	08/21/14	08/21/14	0	A
	IR-13-00016-SHT-277-A	Inspection for the Mill Certificate & Inspection Certificate for 30" steel pipe	08/21/14	08/21/14	08/21/14	0	A
	IR-13-00016-SHT-278-A	Inspection for formwork for the wall of the retaining wall from st.7+211 to st.7+218.01	08/23/14	08/23/14	08/24/14	1	A
	IR-13-00016-SHT-279-A	Inspection for spraying MC And applying first layer of Asphalt wearing course 5 cm thick from St. 0+450 to St. 0+050- Biet Ummer 8" Pipeline Network	08/23/14	08/23/14	08/23/14	0	A
	IR-13-00016-SHT-280-A	Inspection for Steel Works for the wall of the retaining wall from st.7+211 to st.7+218.01	08/23/14	08/23/14	08/24/14	1	A
	IR-13-00016-SHT-281-A	Inspection for Backfill 3nd layer selected material - Retaining Wall from st.7+450 to st.7+465	08/24/14	08/24/14	08/24/14	0	C
	IR-13-00016-SHT-282-A	Inspection for Backfill 1ST layer selected material - Retaining Wall from st.7+400 to st.7+410	08/24/14	08/24/14	08/24/14	0	A
	IR-13-00016-SHT-283-A	Inspection for Steel Works for stair at St.7+505	08/24/14	08/24/14	08/24/14	0	A
	IR-13-00016-SHT-284-A	Inspection for Steel Works for the wall of the retaining wall from st.7+175.6 to st.7+179.75	08/24/14	08/24/14	08/24/14	0	A
	IR-13-00016-SHT-285-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+270 to st.7+299	08/24/14	08/24/14	08/24/14	0	A
	IR-13-00016-SHT-286-A	Inspection for the insulation works for interior side up to 2m height of second coat before starting backfilling the 1st layer - Retaining Wall from st.7+299 to st.7+333	08/24/14	08/24/14	08/24/14	0	A
	IR-13-00016-SHT-287-A	Inspection for video taping for 30"water pipeline from st.1+166.25 to St.1+586.12.	08/24/14	08/24/14	08/25/14	1	C
	IR-13-00016-SHT-288-A	Inspection for casting concrete for the wall of the retaining wall from st.7+211 to st.7+218.01	08/24/14	08/25/14	08/25/14	0	A
	IR-13-00016-SHT-289-A	Inspection for formwork for the wall of the retaining wall from st.7+175.6 to st.7+179.75	08/25/14	08/25/14	08/25/14	0	A
	IR-13-00016-SHT-290-A	Inspection for casting concrete for the wall of the retaining wall from st.7+175.6 to st.7+179.75	08/25/14	08/25/14	08/25/14	0	A
	IR-13-00016-SHT-291-A	Inspection for the insulation works for interior side up to 2m Height of 1st coat to start 2nd coat - retaining wall from St.7+270 to St.7+299	08/25/14	08/25/14	08/25/14	0	A

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APCO ArCon CONSTRUCTION AND SERVICES

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-292-A	Inspection for steel works for base slab 8" G.V chamber at St.1+251.81 & A.R.V chamber at St.1+080.71	08/25/14	08/25/14	08/25/14	0	A
	IR-13-00016-SHT-293-A	Inspection for casting concrete for base slab 8" G.V chamber at St.1+251.81 & A.R.V chamber at St.1+080.71	08/25/14	08/25/14	08/25/14	0	A
	IR-13-00016-SHT-294-A	Inspection for the Mill Certificate & Inspection Certificate for 30" steel pipe	08/26/14	08/26/14	08/26/14	0	A
	IR-13-00016-SHT-295-A	Inspection for traffic plan along Shahera network from st.0+000 to st.1+350	08/26/14	08/26/14	08/27/14	1	A
	IR-13-00016-SHT-296-A	Inspection for steel works for wall of retaining wall from sta.7+196 to sta.7+207.1	08/26/14	08/26/14	08/26/14	0	A
	IR-13-00016-SHT-297-A	Inspection for the preparation works for interior side up to 2m height before start of first coat - Retaining Wall from st.7+250 to st.7+218	08/27/14	08/27/14	08/27/14	0	A
	IR-13-00016-SHT-298-A	Casting concrete for wall of retaining wall from sta.7+218.01 to sta.7+211.25	08/27/14	08/27/14	08/27/14	0	A
	IR-13-00016-SHT-299-A	Inspection for the insulation works for interior side up to 2m Height of 1st coat - retaining wall from St.7+270 to St.7+250	08/27/14	08/27/14	08/28/14	1	A
	IR-13-00016-SHT-300-A	Inspection for 30" alignment pipeline at Biet Ummer network from sta.1+700 to sta.2+000	08/28/14	08/28/14	08/28/14	0	A
	IR-13-00016-SHT-301-A	Inspection for sub grade level for Biet Ummer from sta.4+200 to sta.4+900	08/28/14	08/28/14	08/28/14	0	C
	IR-13-00016-SHT-302-A	Inspection for Steel Works for the wall - From st.7+432 to access road	08/28/14	08/28/14	08/28/14	0	A
	IR-13-00016-SHT-303-A	Inspection for formwork for the wall before casting concrete Retaining Wall from st.7+190 to st.7+201.1	08/30/14	08/30/14	08/30/14	0	A
	IR-13-00016-SHT-304-A	Inspection for 8" alignment pipeline Shahera network from sta.0+400 to sta.0+700	08/30/14	08/30/14	08/30/14	0	A
	IR-13-00016-SHT-305-A	Inspection for 30" alignment main pipeline from sta.8+700 to sta.9+000	08/30/14	08/30/14	08/31/14	1	A
	IR-13-00016-SHT-306-A	Inspection for steel works for the wall of G.V chamber at st.1+251.81.	08/30/14	08/31/14	08/31/14	0	A
	IR-13-00016-SHT-307-A	Inspection for casting concrete for wall of retaining wall from st.7+190 to st.7+201.1	08/30/14	08/30/14	08/30/14	0	A
	IR-13-00016-SHT-308-A	Inspection for formwork works for the wall of G.V chamber at st.1+251.81.	08/31/14	08/31/14	08/31/14	0	A
	IR-13-00016-SHT-309-A	Inspection for casting concrete for the wall of G.V chamber at st.1+251.81.	08/31/14	08/31/14	08/31/14	0	A

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

F | Submittals Log for the Reporting Period

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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
	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

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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-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
	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

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

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

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	SUB-13-00016-SHT-070-A	Storage and fabrication yard layout	SHT	P	01/26/14	02/25/14	01/30/14	4	C
	SUB-13-00016-SHT-070-B	Storage and fabrication yard layout	SHT	P	02/19/14	03/21/14	02/20/14	1	B
	SUB-13-00016-SHT-071-A	Survey Plan from Sta.7+093 to Sta.7+220	SHT	P	01/26/14	02/25/14	02/03/14	8	B
	SUB-13-00016-SHT-072-A	Proposed Dumping area	SHT	P	01/26/14	02/25/14	01/30/14	4	B
	SUB-13-00016-SHT-073-A	Public Relation Plan	SHT	P	01/27/14	02/26/14	01/29/14	2	E
	SUB-13-00016-SHT-074-A	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	01/28/14	02/27/14	02/10/14	13	C
	SUB-13-00016-SHT-074-B	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	02/24/14	03/26/14	03/05/14	9	C
	SUB-13-00016-SHT-074-C	Shop Drawings: Retaining Wall from Sta.7+389 to Sta.7+419.5 LHS and from Sta.7+441 to Sta.7+505 LHS	SHT	S	03/16/14	04/15/14	03/17/14	1	B
	SUB-13-00016-SHT-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
	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

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	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 cementations mortar - Fosroc	SHT	M	02/25/14	03/27/14	03/05/14	8	B
	SUB-13-00016-SHT-107-A	4" PVC Weep Pipe Sample-_Royal Company	SHT	M	02/26/14	03/28/14	03/02/14	4	A
	SUB-13-00016-SHT-108-A	Protection Board Sample-Abdeen Company	SHT	M	02/26/14	03/28/14	03/03/14	5	A
	SUB-13-00016-SHT-109-A	Specific Method Statement -Pipeline Installation ,welding procedure and Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe	SHT	P	03/03/14	04/02/14	03/18/14	15	C
	SUB-13-00016-SHT-109-B	Specific Method Statement -Pipeline Installation and welding procedure	SHT	P	05/11/14	06/10/14	05/12/14	1	B
	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

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	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	05/05/14	16	C
	SUB-13-00016-SHT-126-C	Dismantling Joint- Viking Johnson	SHT	M	07/13/14	08/12/14	07/14/14	1	E
	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-129-B	Cost Breakdown – item 04 –Valves , Connections and Chambers	SHT	P	05/21/14	06/20/14	05/21/14	0	E
	SUB-13-00016-SHT-130-A	Galvanized steel pipes_Pecker	SHT	M	03/19/14	04/18/14	03/26/14	7	B
	SUB-13-00016-SHT-131-A	Survey Plan from Sta.0+000 to Sta.1+225-Al Aroub Road	SHT	P	03/20/14	04/19/14	03/30/14	10	B
	SUB-13-00016-SHT-132-A	Shop Drawings: Plan, Profile and Cross Section from Sta.0+000 to Sta.1+225-Al Aroub Road	SHT	S	03/20/14	04/19/14	03/31/14	11	B

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	SUB-13-00016-SHT-132-B	Shop Drawings: Plan, Profile and Cross Section from Sta.0+000 to Sta.1+225-Al Aroub Road -As per Walkthrough -For Engineering Record	SHT	S	06/04/14	07/04/14	06/10/14	6	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	05/05/14	5	E
	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	05/07/14	7	B
	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-136-B	Manufacturer "Bermad" sizing of Deir Shaar Pressure Reducing Valve -For Engineering Record	SHT	M	06/25/14	07/25/14	07/07/14	12	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-137-B	Welders Performance Qualification Certificates – RT Negative Films Attached	SHT	P	08/07/14	09/06/14	08/14/14	7	C
	SUB-13-00016-SHT-137-C	Welders Performance Qualification Certificates	SHT	P	08/21/14	09/20/14		PE	
	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-139-B	Shop Drawings: Water : Plan , Profile and Cross Section from Sta.1+200 to Sta.2+780 -For Engineering Record	SHT	S	08/12/14	09/11/14	08/17/14	5	B
	SUB-13-00016-SHT-139-C	Shop Drawings: Water : Plan , Profile and Cross Section from Sta.1+200 to Sta.2+780 -For Engineering Record (2)	SHT	S	08/24/14	09/23/14	08/28/14	4	C
	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+419 to Sta.7+450 LHS	SHT	S	05/13/14	06/12/14	05/21/14	8	C
	SUB-13-00016-SHT-140-D	Shop Drawings: Retaining Wall from Sta.7+374 to Sta.7+392 LHS and from Sta.7+419 to Sta.7+450 LHS	SHT	S	05/27/14	06/26/14	06/11/14	15	B
	SUB-13-00016-SHT-141-A	Second source of base course -Roots Crusher Plant- Report No. ST/14078 l	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

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	SUB-13-00016-SHT-142-C	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	05/06/14	06/05/14	05/08/14	2	B
	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-144-B	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 0+000 to St. 1+200.	SHT	S	05/12/14	06/11/14	05/21/14	9	B
	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	05/05/14	7	B
	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-146-B	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 6+780 to St. 7+500	SHT	S	05/12/14	06/11/14	05/21/14	9	B
	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	05/05/14	8	B
	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
	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	05/19/14	21	D
	SUB-13-00016-SHT-150-B	Butterfly Valve-PN 16-Henry Pratt-BOQ items No. 4.2.5,4.2.6,4.3.1 and 4.6.2	SHT	M	07/13/14	08/12/14	07/14/14	1	E
	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	05/05/14	6	D
	SUB-13-00016-SHT-151-B	Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 4.2.1,4.2.7 and 4.6.1	SHT	M	05/12/14	06/11/14	05/28/14	16	C
	SUB-13-00016-SHT-151-C	Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 4.2.1,4.2.7 and 4.6.1	SHT	M	07/13/14	08/12/14	07/14/14	1	E
	SUB-13-00016-SHT-152-A	Bolts, washers and nuts- Buried pipe flanges-Factor	SHT	M	04/29/14	05/29/14	05/07/14	8	C
	SUB-13-00016-SHT-153-A	Survey Plan from Sta. 7+650 to Sta. 9+890	SHT	P	04/29/14	05/29/14	05/08/14	9	B
	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	05/08/14	8	B
	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	05/27/14	27	C
	SUB-13-00016-SHT-155-B	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 3+900 to Sta. 4+950	SHT	S	06/02/14	07/02/14	06/10/14	8	B
	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	05/27/14	27	C

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	SUB-13-00016-SHT-156-B	Shop Drawing- Road Works- Plan, Profile and Cross Sections from Sta. 4+950 to Sta. 6+000	SHT	S	06/02/14	07/02/14	06/09/14	7	B
	SUB-13-00016-SHT-157-A	Resume and IIW certificate for Dr. Salahaldin Mnasia that is equivalent to required CWI per section "H.1 hey personnel " of task order contract	SHT	P	05/04/14	06/03/14	05/08/14	4	E
	SUB-13-00016-SHT-158-A	Updated Construction Schedule and S-curve -April 2014	SHT	SCH	05/04/14	06/03/14	05/12/14	8	B
	SUB-13-00016-SHT-159-A	Alternative source for single size Aggregate (Homos) - Roots Crusher Plant	SHT	M	05/06/14	06/05/14	05/07/14	1	B
	SUB-13-00016-SHT-160-A	Alternative for the source of Somsom size -Roots Crusher Plant	SHT	M	05/06/14	06/05/14	05/07/14	1	B
	SUB-13-00016-SHT-161-A	Shop Drawing-Water Works- Plan, Profile and Cross Sections from Sta. 2+780 to Sta. 3+900	SHT	S	05/07/14	06/06/14	05/26/14	19	C
	SUB-13-00016-SHT-161-B	Shop Drawing-Water Works- Plan, Profile and Cross Sections from Sta. 2+780 to Sta. 3+900	SHT	S	05/29/14	06/28/14	06/01/14	3	B
	SUB-13-00016-SHT-162-A	Shop Drawings: Stair at Sta.7+505 LHS	SHT	S	05/07/14	06/06/14	05/14/14	7	C
	SUB-13-00016-SHT-162-B	Shop Drawings: Stair at Sta.7+505 LHS	SHT	S	05/28/14	06/27/14	06/05/14	8	C
	SUB-13-00016-SHT-162-C	Shop Drawings: Stair at Sta.7+505 LHS	SHT	S	06/11/14	07/11/14	06/15/14	4	B
	SUB-13-00016-SHT-163-A	Traffic Control Plan -Phase I -from Sta.0+000 to Sta.2+800-Deir Sha'ar Water Transmission Project-DCL Final Written Approval -(Amendment for Submittal No.SUB-13-00016-SHT-103-A)	SHT	P	05/07/14	06/06/14	05/08/14	1	B
	SUB-13-00016-SHT-164-A	Pressure Gauge- Ashcroft 1279	SHT	M	05/11/14	06/10/14	05/19/14	8	C
	SUB-13-00016-SHT-164-B	Pressure Gauge- Ashcroft 1279	SHT	M	08/11/14	09/10/14	08/21/14	10	B
	SUB-13-00016-SHT-165-A	Ultrasonic Flow Detector Machine and Technician Certificate	SHT	P	05/11/14	06/10/14	05/14/14	3	C
	SUB-13-00016-SHT-165-B	Ultrasonic Flow Detector Machine and Technician Certificate	SHT	P	06/26/14	07/26/14	06/30/14	4	C
	SUB-13-00016-SHT-166-A	Elcometer 280 Pulsed DC Holiday detector -Holiday 280	SHT	M	05/11/14	06/10/14	05/12/14	1	E
	SUB-13-00016-SHT-167-A	Specific Method Statement -Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe Sch 20 /WT 12.7 mm	SHT	P	05/11/14	06/10/14	05/21/14	10	C
	SUB-13-00016-SHT-167-B	Specific Method Statement -Testing (Hydrostatic, Disinfection /Flushing) -760 mm steel pipe Sch 20 /WT 12.7 mm	SHT	P	08/07/14	09/06/14		PE	
	SUB-13-00016-SHT-168-A	Pipes Loading & Unloading -Specific Method Statement	SHT	P	05/11/14	06/10/14	05/12/14	1	C
	SUB-13-00016-SHT-168-B	Pipes Loading & Unloading -Specific Method Statement	SHT	P	05/19/14	06/18/14	05/29/14	10	C
	SUB-13-00016-SHT-168-C	Pipes Loading & Unloading -Specific Method Statement	SHT	P	06/11/14	07/11/14	06/29/14	18	B
	SUB-13-00016-SHT-169-A	30 inch Pipeline Entry -Safety Method Statement (Confined Space)	SHT	P	05/11/14	06/10/14	05/14/14	3	C
	SUB-13-00016-SHT-169-B	30 inch Pipeline Entry -Safety Method Statement (Confined Space)	SHT	P	05/19/14	06/18/14	05/29/14	10	B
	SUB-13-00016-SHT-169-C	30 inch Pipeline Entry -Safety Method Statement (Confined Space)- **For Engineering Record**	SHT	P	07/24/14	08/23/14	08/04/14	11	B
	SUB-13-00016-SHT-169-D	30 inch Pipeline Entry -Safety Method Statement (Confined Space)- For Engineering Record (2)	SHT	P	08/21/14	09/20/14	08/28/14	7	B
	SUB-13-00016-SHT-170-A	Internal Cement Lining Repair Method Statement	SHT	P	05/12/14	06/11/14	05/26/14	14	B
	SUB-13-00016-SHT-171-A	Mortar Fill after welding / layback Space closure Method Statement	SHT	P	05/12/14	06/11/14	05/26/14	14	B
	SUB-13-00016-SHT-172-A	Traffic Control Plan from Sta.6+800 to Sta.7+500	SHT	P	05/14/14	06/13/14	05/20/14	6	B

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	SUB-13-00016-SHT-173-A	Testing Labs-Renewed Accreditation Certificate and Schedule (For Building Center Lab)- Amendment to Submittal No. : SUB-13-00016-SHT-010-A	SHT	P	05/18/14	06/17/14	05/19/14	1	A
	SUB-13-00016-SHT-174-A	30 inch Pipe Welding Procedure Qualification Record	SHT	P	05/18/14	06/17/14	05/28/14	10	A
	SUB-13-00016-SHT-175-A	Flange Gasket- Reinz-AFM 34 - No.2	SHT	M	05/19/14	06/18/14	05/28/14	9	C
	SUB-13-00016-SHT-176-A	Mill Test Certificate for the first delivery of the 30" - ½ " pipes	SHT	M	05/19/14	06/18/14	05/29/14	10	C
	SUB-13-00016-SHT-177-A	Shop Drawings: Structural and Mechanical Detail for valve chambers for 8" Beit Ummar Internal Network Water Pipeline	SHT	S	05/21/14	06/20/14	06/01/14	11	C
	SUB-13-00016-SHT-177-B	Shop Drawings: Structural and Mechanical Detail for valve chambers for 8" Beit Ummar Internal Network Water Pipeline	SHT	S	06/15/14	07/15/14	06/19/14	4	C
	SUB-13-00016-SHT-177-C	Shop Drawings: Structural and Mechanical Detail for valve chambers for 8" Beit Ummar Internal Network Water Pipeline	SHT	S	06/23/14	07/23/14	07/02/14	9	B
	SUB-13-00016-SHT-178-A	Shop Drawings: Retaining Wall at the access road at Sta.7+185 LHS	SHT	S	05/22/14	06/21/14	06/09/14	18	B
	SUB-13-00016-SHT-178-B	Shop Drawings: Retaining Wall at the access road at Sta.7+185 LHS-For Engineering Record	SHT	S	07/14/14	08/13/14	07/16/14	2	C
	SUB-13-00016-SHT-178-C	Shop Drawings: Retaining Wall at the access road at Sta.7+185 LHS	SHT	S	07/20/14	08/19/14	07/22/14	2	B
	SUB-13-00016-SHT-179-A	Shop Drawings: Plan for Milling and Overlay from Sta.7+515 to Sta.9+880	SHT	S	05/22/14	06/21/14	06/15/14	24	B
	SUB-13-00016-SHT-180-A	Shop Drawings: Water: Plan ,Profile and Typical Section from Sta.8+700 to Sta.9+300	SHT	S	05/26/14	06/25/14	05/31/14	5	B
	SUB-13-00016-SHT-180-B	Shop Drawings: Water: Plan ,Profile and Typical Section from Sta.8+700 to Sta.9+300 -For Engineering Record	SHT	S	06/16/14	07/16/14	06/19/14	3	B
	SUB-13-00016-SHT-181-A	Shop Drawings: Pipe Culvert at Sta.0+543 -Al Aroub Road	SHT	S	06/02/14	07/02/14	06/12/14	10	C
	SUB-13-00016-SHT-181-B	Shop Drawings: Pipe Culvert at Sta.0+543 -Al Aroub Road	SHT	S	06/26/14	07/26/14	07/02/14	6	B
	SUB-13-00016-SHT-182-A	Shop Drawings: Water: Plan ,Profile and Typical Section from Sta.0+000 to Sta.1+110 -Halhul Water Distribution Network -Zaboud Water Pipeline	SHT	S	06/04/14	07/04/14	06/10/14	6	C
	SUB-13-00016-SHT-182-B	Shop Drawings: Water: Plan ,Profile and Typical Section from Sta.0+000 to Sta.1+110 -Halhul Water Distribution Network -Zaboud Water Pipeline	SHT	S	06/15/14	07/15/14	06/17/14	2	B
	SUB-13-00016-SHT-183-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 - As per RFI No. (RFI-13-00016-SHT-020) -Amendment to Submittal No. (SUB-13-00016-SHT-142-C)	SHT	S	06/05/14	07/05/14	06/11/14	6	B
	SUB-13-00016-SHT-184-A	Updated Construction Schedule and S-curve -May 2014	SHT	SCH	06/08/14	07/08/14	06/18/14	10	B
	SUB-13-00016-SHT-185-A	Risk Management Program –Phase 02 from Sta.2+800 to Sta.6+800 and from Sta. 7 +515 to the End of the Project	SHT	P	06/10/14	07/10/14	06/17/14	7	B

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	SUB-13-00016-SHT-186-A	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 1+200 to St. 2+780	SHT	S	06/11/14	07/11/14	06/18/14	7	B
	SUB-13-00016-SHT-187-A	Tee Fabrication Shop Drawings and calculation sheets 760 x 150 mm and 760 x 250 mm	SHT	S	06/11/14	07/11/14	06/18/14	7	C
	SUB-13-00016-SHT-187-B	Tee Fabrication Shop Drawings and calculation sheets 760 x 150 mm and 760 x 250 mm	SHT	S	07/22/14	08/21/14	08/06/14	15	C
	SUB-13-00016-SHT-187-C	Tee Fabrication Shop Drawings and calculation sheets 760 x 150 mm and 760 x 250 mm	SHT	S	08/11/14	09/10/14	08/28/14	17	B
	SUB-13-00016-SHT-188-A	Electro-Magnetic water meter-Siemens	SHT	M	06/11/14	07/11/14	06/18/14	7	C
	SUB-13-00016-SHT-188-B	Electro-Magnetic water meter-Siemens	SHT	M	08/06/14	09/05/14	08/12/14	6	B
	SUB-13-00016-SHT-189-A	EN 1092- Hubbed on Flanges for Welding for Nominal sizes up to 600mm-Alternative	SHT	M	06/11/14	07/11/14	06/17/14	6	B
	SUB-13-00016-SHT-190-A	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.0+000 to Sta.1+350-Halhul Water Distribution Network -Shahera Water Pipeline	SHT	S	06/11/14	07/11/14	06/17/14	6	C
	SUB-13-00016-SHT-190-B	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.0+000 to Sta.1+350-Halhul Water Distribution Network -Shahera Water Pipeline	SHT	S	06/21/14	07/21/14	06/22/14	1	B
	SUB-13-00016-SHT-191-A	Specific Method Statement - 30" pipe installation 0+000 - 1+200	SHT	P	06/11/14	07/11/14	06/24/14	13	B
	SUB-13-00016-SHT-192-A	Ultrasonic Weld Inspection Procedure 12" -30" Pipe line welds	SHT	P	06/15/14	07/15/14	06/30/14	15	C
	SUB-13-00016-SHT-192-B	Ultrasonic Weld Inspection Procedure 12" -30" Pipe line welds	SHT	P	07/09/14	08/08/14	07/09/14	0	B
	SUB-13-00016-SHT-192-C	Ultrasonic Weld Inspection Procedure 12" -30" Pipeline welds - For Engineering Record	SHT	P	07/16/14	08/15/14	07/23/14	7	B
	SUB-13-00016-SHT-193-A	Shop Drawings: Boundary Wall from Sta.6+935 to Sta.6+966 RHS and Retaining Wall from Sta.6+971 to Sta.7+036 RHS	SHT	S	06/16/14	07/16/14	06/29/14	13	C
	SUB-13-00016-SHT-193-B	Shop Drawings: Boundary Wall from Sta.6+935 to Sta.7+036 RHS	SHT	S	07/06/14	08/05/14	07/16/14	10	B
	SUB-13-00016-SHT-194-A	Shop Drawings: Stone Wall from Sta.7+430 to Sta.7+475 RHS	SHT	S	06/18/14	07/18/14	07/02/14	14	B
	SUB-13-00016-SHT-195-A	Shop Drawings: Retaining Wall from Sta.7+200 to Sta.7+220 LHS	SHT	S	06/18/14	07/18/14	06/18/14	0	C
	SUB-13-00016-SHT-195-B	Shop Drawings: Retaining Wall from Sta.7+200 to Sta.7+220 LHS	SHT	S	06/23/14	07/23/14	06/29/14	6	B
	SUB-13-00016-SHT-196-A	Traffic Control Plan from Sta.0+000 to Sta.1+350 -Halhul Water Distribution Network -Shahera Water Pipeline	SHT	P	06/18/14	07/18/14	07/02/14	14	C
	SUB-13-00016-SHT-196-B	Traffic Control Plan from Sta.0+000 to Sta.1+350 -Halhul Water Distribution Network -Shahera Water Pipeline	SHT	P	08/17/14	09/16/14	08/20/14	3	B
	SUB-13-00016-SHT-197-A	Traffic Control Plan from Sta.0+000 to Sta.1+110 -Halhul Water Distribution Network -Zaboud Water Pipeline	SHT	P	06/18/14	07/18/14	06/19/14	1	B
	SUB-13-00016-SHT-198-A	Dilapidation Survey- 8" Halhul Network (Zaboud)	SHT	P	06/19/14	07/19/14	06/25/14	6	B
	SUB-13-00016-SHT-199-A	Shop Drawings: Retaining Wall from Sta.7+425 to Sta.7+430 RHS	SHT	S	06/19/14	07/19/14	06/29/14	10	C
	SUB-13-00016-SHT-200-A	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 8+700 to St. 9+300	SHT	S	06/19/14	07/19/14	06/30/14	11	B
	SUB-13-00016-SHT-201-A	Qualified Welder Resume and Certificates – Jihad Ghatasheh	SHT	P	06/22/14	07/22/14	06/22/14	0	A
	SUB-13-00016-SHT-202-A	Shop Drawings: Retaining Wall from Sta.3+226.97 to Sta.3+295 RHS	SHT	S	06/22/14	07/22/14	07/16/14	24	C
	SUB-13-00016-SHT-202-B	Shop Drawings: Retaining Wall from Sta.3+226.97 to Sta.3+295 RHS	SHT	S	07/22/14	08/21/14	07/24/14	2	C

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	SUB-13-00016-SHT-202-C	Shop Drawings: Retaining Wall from Sta.3+226.97 to Sta.3+295 RHS	SHT	S	08/03/14	09/02/14	08/20/14	17	E
	SUB-13-00016-SHT-203-A	Risk Management Program - 8" Halhul Network (Zaboud)	SHT	P	06/22/14	07/22/14	06/25/14	3	B
	SUB-13-00016-SHT-204-A	Shop Drawings: Retaining Wall from Sta.6+873 to Sta.6+950 LHS	SHT	S	06/23/14	07/23/14	07/17/14	24	E
	SUB-13-00016-SHT-205-A	Mitered Bends Schedule and fabrication for 30" main pipeline from St. 2+780 to St. 3+900	SHT	S	06/24/14	07/24/14	07/02/14	8	B
	SUB-13-00016-SHT-206-A	Shop Drawings: Concrete Gravity Wall from Sta.3+523 to Sta.3+537 RHS and from Sta.3+555 to Sta.3+573 RHS	SHT	S	06/24/14	07/24/14	07/17/14	23	B
	SUB-13-00016-SHT-207-A	Manufacturer "Bermad" sizing for Flow Control Valves – Amendment to Submittal No. SUB-13-00016-SHT-032-B	SHT	M	06/25/14	07/25/14	07/10/14	15	B
	SUB-13-00016-SHT-208-A	Shop Drawings: Retaining Wall from Sta.3+380 to Sta.3+464.92 RHS	SHT	S	06/26/14	07/26/14	07/21/14	25	B
	SUB-13-00016-SHT-209-A	Shop Drawings: Structural and Mechanical Detail for valve chambers for 8" Zaboud Internal Network Water Pipeline	SHT	S	06/26/14	07/26/14	07/15/14	19	B
	SUB-13-00016-SHT-210-A	Motorized Actuated Butterfly Valve- VANESSA -BOQ item No. 4.2.6	SHT	M	06/30/14	07/30/14	07/15/14	15	C
	SUB-13-00016-SHT-211-A	Welders Performance Qualification Certificates and RT Test Report	SHT	P	07/06/14	08/05/14	07/10/14	4	B
	SUB-13-00016-SHT-211-B	Welders Performance Qualification Certificates and RT Test Report -For Engineering Record -RT Negative Films attached	SHT	P	08/07/14	09/06/14	08/21/14	14	B
	SUB-13-00016-SHT-212-A	Shop Drawings: Retaining Wall from Sta.6+971.2 to Sta.6+990.57 LHS and from Sta.7+005.85 to Sta.7+020 LHS	SHT	S	07/07/14	08/06/14	07/20/14	13	E
	SUB-13-00016-SHT-213-A	Updated Construction Schedule and S-curve -June 30, 2014	SHT	SCH	07/07/14	08/06/14	07/20/14	13	B
	SUB-13-00016-SHT-214-A	Traffic Control Plan for Al Arrub Water Networks	SHT	P	07/08/14	08/07/14	07/09/14	1	C
	SUB-13-00016-SHT-215-A	Shop Drawings: Structural and Mechanical Detail for Kharas Junction Chamber at Sta.9+028	SHT	S	07/14/14	08/13/14	07/27/14	13	C
	SUB-13-00016-SHT-215-B	Shop Drawings: Structural and Mechanical Detail for Kharas Junction Chamber at Sta.9+028	SHT	S	08/13/14	09/12/14	08/18/14	5	B
	SUB-13-00016-SHT-216-A	Welders Certificates and RT Test Results (G. Veeraswamy and D. Nagasatyanarayana)	SHT	P	07/10/14	08/09/14	07/22/14	12	B
	SUB-13-00016-SHT-216-B	Welders Certificates and RT Test Results (G. Veeraswamy and D. Nagasatyanarayana)- For Engineering Record- RT Negative films included	SHT	P	07/16/14	08/15/14	07/22/14	6	A
	SUB-13-00016-SHT-217-A	Traffic Control Plan for Al Nabi Younes Intersection	SHT	P	07/10/14	08/09/14	07/15/14	5	B
	SUB-13-00016-SHT-218-A	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.3+900 to Sta.4+950	SHT	S	07/13/14	08/12/14	08/04/14	22	C
	SUB-13-00016-SHT-218-B	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.3+900 to Sta.4+950	SHT	S	08/12/14	09/11/14	08/25/14	13	C
	SUB-13-00016-SHT-218-C	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.3+900 to Sta.4+950	SHT	S	08/31/14	09/30/14		PE	
	SUB-13-00016-SHT-219-A	Shop Drawings: Structural and Mechanical Detail for Washout Chamber at Sta.0+620 & ARV Valve Chamber @ Sta.0+743	SHT	S	07/15/14	08/14/14	08/05/14	21	C
	SUB-13-00016-SHT-219-B	Shop Drawings: Structural and Mechanical Detail for Washout Chamber at Sta.0+620 & ARV Valve Chamber @ Sta.0+743	SHT	S	08/31/14	09/30/14		PE	

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	SUB-13-00016-SHT-220-A	Shop Drawings: Storm Water : Plan, Profile& Typical Details from Sta.8+240 to Sta.9+060	SHT	S	07/15/14	08/14/14	08/10/14	26	E
	SUB-13-00016-SHT-221-A	Video recording for Internal mortar cement lining repair of installed 30" pipes from St. 1+190.60 to St. 0+594.39.	SHT	P	07/16/14	08/15/14	07/27/14	11	C
	SUB-13-00016-SHT-222-A	Structural and Mechanical detail For Washout Chamber For 30"*10" at Sta.7+223& Washout Chamber For 6"*3" at Sta.7+230	SHT	S	07/20/14	08/19/14	08/04/14	15	C
	SUB-13-00016-SHT-223-A	JMF for asphalt wearing ¾" -Roots- Co	SHT	M	07/20/14	08/19/14	07/24/14	4	A
	SUB-13-00016-SHT-224-A	Concrete Ready-Mix Design Class B35-Size 20 mm-Al A'abed Concrete Ready-Mix Plant	SHT	M	07/24/14	08/23/14	08/05/14	12	B
	SUB-13-00016-SHT-225-A	Shop Drawing: Structural and Mechanical detail For Deir Sha'ar Connection Chamber @ Sta.0+155	SHT	S	07/24/14	08/23/14	08/12/14	19	C
	SUB-13-00016-SHT-225-B	Shop Drawing: Structural and Mechanical detail For Deir Sha'ar Connection Chamber @ Sta.1+280	SHT	S	08/26/14	09/25/14		PE	
	SUB-13-00016-SHT-226-A	Pre Cast Concrete for Water Chamber 1.50m *1.5m*2.0m- addaci Co.	SHT	M	07/24/14	08/23/14	08/14/14	21	C
	SUB-13-00016-SHT-226-B	Pre Cast Concrete for Water Chamber 1.50m *1.5m*2.0m- addaci Co.	SHT	M	08/28/14	09/27/14		PE	
	SUB-13-00016-SHT-227-A	Updated Construction Schedule and S-curve -July 31,2014	SHT	SCH	08/07/14	09/06/14	08/19/14	12	B
	SUB-13-00016-SHT-228-A	Procedure Qualification Record (PQR)and Welding Procedure Specification (WPS)	SHT	P	08/14/14	09/13/14	08/28/14	14	C
	SUB-13-00016-SHT-229-A	Precast water manhole	SHT	M	08/17/14	09/16/14		PE	
	SUB-13-00016-SHT-230-A	Shop Drawings: Water : Plan , Profile and Typical section from Sta.9+090 to Sta.9+450 -Deer Sha'ar Main pipeline -New Alignment for water pipe line	SHT	S	08/17/14	09/16/14		PE	
	SUB-13-00016-SHT-231-A	Shop Drawings: Water: Plan ,Profile and Typical Section from Sta.7+500 to Sta.8+700	SHT	S	08/24/14	09/23/14	08/28/14	4	C
	SUB-13-00016-SHT-232-A	Welders Performance Qualification No.214149 (Kapanthi Srinivas)	SHT	P	08/24/14	09/23/14		PE	
	SUB-13-00016-SHT-233-A	Steel Manhole Cover for Storm System and Water System - KURDIEH & SONS LTD	SHT	M	08/28/14	09/27/14		PE	
	SUB-13-00016-SHT-234-A	Ball Valve-Tyco F120 for Pressure Gauge	SHT	M	08/28/14	09/27/14		PE	
	SUB-13-00016-SHT-235-A	Shop Drawings: Water : Plan , Profile and Typical Section from Sta.4+950 to Sta.6+000	SHT	S	08/31/14	09/30/14		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

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 for Footing 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	04/16/14	1	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
	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

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	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
	TEST-13-00016-SHT-020-A	Soil & Soil Aggregate Material Report # ST/14156 – Deir Shaar Main pipeline at st.7+350	SHT	05/04/14	06/03/14	05/06/14	2	A
	TEST-13-00016-SHT-021-A	Concrete Compressive Strength for Lean Concrete Pad of the Retaining Wall Between Stations (7+310-7+365) /Al Hawawreh Street/Halhoul City Report#BM/CT/14496 - 7 days	SHT	05/05/14	06/04/14	05/06/14	1	A
	TEST-13-00016-SHT-022-A	Concrete Compressive Strength for Footings of the Retaining Walls Between Stations (7+389-7+390.6) & (7+440-7+445) /Al Hawawreh Street/Halhoul City Report#BM/CT/14472- 7 days	SHT	05/05/14	06/04/14	05/06/14	1	A
	TEST-13-00016-SHT-023-A	Concrete Compressive Strength for Retaining Wall Between Stations (7+447-7+457) & (7+468-7+479) /Al Hawawreh Street/Halhoul CityReport# BM/CT/14495- 7 days	SHT	05/05/14	06/04/14	05/06/14	1	A
	TEST-13-00016-SHT-024-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- 28 days	SHT	05/12/14	06/11/14	05/14/14	2	A
	TEST-13-00016-SHT-025-A	Concrete Compressive Strength for Lean Concrete Pad for the Retaining Wall Between Stations (7+270-7+310)LHS /Al Hawawreh Street/Halhoul City Report# BM/CT/14514- 7 days	SHT	05/12/14	06/11/14	05/14/14	2	A
	TEST-13-00016-SHT-026-A	Concrete Compressive Strength for Retaining Wall Between Stations (7+490-7+500) LHS /Al Hawawreh Street/Halhoul City Report# BM/CT/14513- 7 days	SHT	05/12/14	06/11/14	05/14/14	2	A
	TEST-13-00016-SHT-027-A	Concrete Compressive Strength for Footing for the Retaining Wall Between Stations (7+445-7+505) /Al Hawawreh Street/Halhoul City Report# BM/CT/14436- 28 days	SHT	05/12/14	06/11/14	05/14/14	2	A
	TEST-13-00016-SHT-028-A	Bedding Material Aggregate for Stockpiling Area At The Project Site At Station 0+800 Report# BM/QC/14063	SHT	05/22/14	06/21/14	05/26/14	4	C
	TEST-13-00016-SHT-028-B	Bedding Material for Beit Ummar Network 8" Pipeline from Sta.0+300 to Sta.0+800- Report# BM/QC/14063	SHT	07/17/14	08/16/14			A
	TEST-13-00016-SHT-029-A	Bedding Material Aggregate for Single Size Aggregate (Homos). Deir Sha'ar Main Pipeline At Station 0+800 Report# BM/QC/14062	SHT	05/22/14	06/21/14	05/26/14	4	C
	TEST-13-00016-SHT-029-B	Single siza materail for Beit Ummar Network 8" Pipeline from Sta.0+300 to Sta.0+800- Report# BM/QC/14062	SHT	07/17/14	08/16/14			A
	TEST-13-00016-SHT-030-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 - 28 days	SHT	05/22/14	06/21/14	05/26/14	4	A
	TEST-13-00016-SHT-031-A	Concrete Compressive Strength Report# BM/CT/14553 – 7 days Footing of the Retaining Wall Between Stations (7+330-7+362) /Al Hawawreh Street/Halhoul City	SHT	06/04/14	07/04/14	06/04/14	0	A
	TEST-13-00016-SHT-032-A	Concrete Compressive Strength Report# BM/CT/14554 – 7 days Retaining Wall Between Stations (7+407-7+417) /Al Hawawreh Street/Halhoul City	SHT	06/04/14	07/04/14	06/04/14	0	A

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	TEST-13-00016-SHT-033-A	Concrete Compressive Strength Report# BM/CT/14587– 7 days Retaining Wall Between Stations (7+479.12-7+488.99) and (7+457.22-7+464.19)/Al Hawawreh Street/Halhoul City	SHT	06/04/14	07/04/14	06/04/14	0	A
	TEST-13-00016-SHT-034-A	Concrete Compressive Strength Report# BM/CT/14586– 7 days Footing of the Retaining Wall Between Stations (7+316-7+322) /Al Hawawreh Street/Halhoul City	SHT	06/04/14	07/04/14	06/04/14	0	A
	TEST-13-00016-SHT-035-A	Concrete Compressive Strength Report# BM/CT/14496– 28 days Lean Concrete Pad of the Retaining Wall Between Stations (7+310-7+365) /Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-036-A	Concrete Compressive Strength Report# BM/CT/14495– 28 days Retaining Wall Between Stations (7+447-7+457) & (7+468-7+479) /Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-037-A	Concrete Compressive Strength Report# BM/CT/14513– 28 days Retaining Wall Between Stations (7+490-7+500)LHS /Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-038-A	Concrete Compressive Strength Report# BM/CT/14514– 28 days Lean Concrete Pad for the Retaining Wall Between Stations (7+270-7+310)LHS /Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-039-A	Concrete Compressive Strength Report# BM/CT/14608 – 7 days Footing of the Retaining Wall Between Stations (7+280.87-7+259.98)/Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-040-A	Concrete Compressive Strength Report# BM/CT/14609– 7 days Retaining Wall Between Stations (7+389.32-7+398)/Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-041-A	Concrete Compressive Strength Report# BM/CT/14624– 7 days Retaining Wall Between Stations (7+500-7+505)/Al Hawawreh Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-042-A	Concrete Compressive Strength Report# BM/CT/14625– 7 days Footing of the Retaining Wall Between Stations (7+237-7+259)/Al Hawawr Street/Halhoul City	SHT	06/08/14	07/08/14	06/08/14	0	A
	TEST-13-00016-SHT-043-A	**Base Course / Loose Sample** – Deir Sha'ar Main Pipeline (Halhoul - A'syoon) at Station 1+000 - Report# ST/14241	SHT	06/09/14	07/09/14	06/09/14	0	C
	TEST-13-00016-SHT-043-B	Soil and Soil Aggregate Materials -Base Course / Loose Sample Report # ST/14241 – Beit Ummer Network 8" Pipeline Between Stations (1+000 & 1+500)	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-044-A	**Base Course / Loose Sample –** Stockpiling area at the Crusher Plant - Report# ST/14212	SHT	06/09/14	07/09/14	06/09/14	0	C
	TEST-13-00016-SHT-044-B	Soil and Soil Aggregate Materials-Base Course / Loose Sample – Beit Ummer Network 8" Pipeline Between Stations (0+300 & 0+800)- Report# ST/14212	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-045-A	Concrete Compressive Strength Report# BM/CT/14636– 7 days Retaining Wall Between Stations (7+346-7+356))/Al Hawawreh Street/Halhoul City	SHT	06/15/14	07/15/14	06/23/14	8	A
	TEST-13-00016-SHT-046-A	Concrete Compressive Strength Report# BM/CT/14646– 7 days Retaining Wall Between Stations (7+347-7+356))/Al Hawawreh Street/Halhoul City	SHT	06/15/14	07/15/14	06/23/14	8	A
	TEST-13-00016-SHT-047-A	Concrete Compressive Strength Report# BM/CT/14649– 7 days Retaining Wall Between Stations (7+398-7+407.05))/Al Hawawreh Street/Halhoul City	SHT	06/15/14	07/15/14	06/23/14	8	A
	TEST-13-00016-SHT-048-A	Concrete Compressive Strength Report# BM/CT/14553– 7 days Footing of the Retaining Wall Between Stations (7+330-7+362) /Al Hawawreh Street/Halhoul City	SHT	06/15/14	07/15/14	06/23/14	8	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)

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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-049-A	Concrete Compressive Strength Report# BM/CT/14554– 28 days Retaining Wall Between Stations (7+407-7+417) /Al Hawawreh Street/Halhoul City	SHT	06/15/14	07/15/14	06/23/14	8	A
	TEST-13-00016-SHT-050-A	**Fill Materials** / 1st Layer - Density of Soil Report # ST/FD/14305 - Deir Sha'ar Main Pipeline Between Stations (7+093 & 7+175) LHS / 1st Layer / Behind Retaining Wall	SHT	06/26/14	07/26/14	07/09/14	13	A
	TEST-13-00016-SHT-051-A	**Fill Materials** / 2nd Layer - Density of Soil Report # ST/FD/14322 - Deir Sha'ar Main Pipeline Between Stations (7+093 & 7+170) LHS / 2ndLayer / Behind Retaining Wall	SHT	06/26/14	07/26/14	07/09/14	13	A
	TEST-13-00016-SHT-052-A	Aggregate Report # BM/QC/14066 - Beit Ummer Network 8" Pipeline Between Stations (1+000 & 1+500)	SHT	06/26/14	07/26/14	07/09/14	13	A
	TEST-13-00016-SHT-053-A	**Fill Materials** / 4th Layer - Density of Soil Report # ST/FD/14338 - Deir Sha'ar Main Pipeline Between Stations (7+100 & 7+150) LHS / 4thLayer / Behind Retaining Wall	SHT	06/26/14	07/26/14	07/09/14	13	A
	TEST-13-00016-SHT-054-A	**Fill Materials** / 1st & 5th Layer - Density of Soil Report # ST/FD/14343 - Deir Sha'ar Main Pipeline Between Stations (7+135 & 7+193) LHS / 5th Layer & - Deir Sha'ar Main Pipeline Between Stations (7+450 & 7+470) / 1st Layer	SHT	06/26/14	07/26/14	07/09/14	13	A
	TEST-13-00016-SHT-055-A	Bedding Material Aggregate Report # BM/QC/14067 - Beit Ummer Network 8" Pipeline Between Stations (1+000 & 1+500)	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-056-A	Bedding Material Aggregate Report # BM/QC/14069 - Beit Ummer Network 8" Main Pipeline Between Stations (1+600 & 2+100)	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-057-A	Fill Materials - Aggregate Report # BM/QC/14070 - Beit Ummer Network 8" Main Pipeline Between Stations (1+600 & 2+100) - Single Size Aggregate	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-058-A	Fill Materials -Single Size Aggregate- Aggregate Report # BM/QC/14073 - Deir Sha'ar Main Pipeline 30" Between Stations (0+700 & 1+200)	SHT	07/06/14	08/05/14	07/10/14	4	A
	TEST-13-00016-SHT-059-A	Radiographic Examination Interpretation Report No. 8138776/14 for 30" Welded Joints J1 22R at St. 1+018.34 and J2 23R at St. 1+006.15- Negative films were submitted at BV main office	SHT	07/16/14	08/15/14	07/24/14	8	A
	TEST-13-00016-SHT-060-A	Concrete Compressive Strength Report# BM/CT/14701– 7 days Retaining Wall Between Stations (7+288-7+298) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-061-A	Concrete Compressive Strength Report# BM/CT/14692– 7 days -First Stage Retaining Wall Between Stations (7+308-7+318) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-062-A	Concrete Compressive Strength Report# BM/CT/14697– 7 days -Second Stage Retaining Wall Between Stations (7+308-7+318) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-063-A	Concrete Compressive Strength Report# BM/CT/14578– 28 days -Retaining Wall Between Stations (7+280-7+330) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-064-A	Concrete Compressive Strength Report# BM/CT/14586– 28 days -Footing of Retaining Wall Between Stations (7+316-7+322) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-065-A	Concrete Compressive Strength Report# BM/CT/14587– 28 days -Retaining Wall Between Stations (7+479.12 - 7+488.99 and 7+457 - 7+464.19) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-066-A	Concrete Compressive Strength Report# BM/CT/14608– 28 days -Footing of Retaining Wall Between Stations (7+280.87-7+259.98) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-067-A	Concrete Compressive Strength Report# BM/CT/14609– 28 days -Retaining Wall Between Stations (7+389.32 - 7+398) /Al Hawawreh Street/Halhoul City	SHT	07/17/14	08/16/14	07/21/14	4	A
	TEST-13-00016-SHT-068-A	Bedding Material Aggregate -Cruched Limestone Aggregates - Report # BM/QC/14075- Deir Sha'ar Main Pipeline 30" Between Stations (0+700 & 1+200)	SHT	07/17/14	08/16/14	08/05/14	19	A

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	TEST-13-00016-SHT-069-A	Bedding Material Aggregate -Cruched Limestone Aggregates- Report # BM/QC/14076 - Halhul Network 8" Pipeline Zabood between Stations (0+600 & 1+100)	SHT	07/17/14	08/16/14	08/05/14	19	A
	TEST-13-00016-SHT-070-A	Fill Materials / Trench Backfill -Single size Aggregate Report # BM/QC/14077 - Halhul Network 8" Pipeline Zabood between Stations (0+600 & 1+100)	SHT	07/17/14	08/16/14	08/05/14	19	A
	TEST-13-00016-SHT-071-A	Fill Materials / Trench Backfill -Single size Aggregate- Report # BM/QC/14078 -Deir Sha'ar Main Pipeline 30" Between Stations (0+200 & 0+700)	SHT	07/17/14	08/16/14	08/05/14	19	A
	TEST-13-00016-SHT-072-A	Bedding Material Aggregate -Cruched Limestone Aggregates- Report # BM/QC/14079 -Deir Sha'ar Main Pipeline 30" Between Stations (0+200 & 0+700)	SHT	07/17/14	08/16/14	08/05/14	19	A
	TEST-13-00016-SHT-073-A	Base Course / Loose Sample – Beit Ummer Network 8" Pipeline Between Stations (1+600 & 2+100) - Report# ST/14255	SHT	07/17/14	08/16/14	08/05/14	19	A
	TEST-13-00016-SHT-074-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- 28 days	SHT	07/19/14	08/18/14	07/21/14	2	A
	TEST-13-00016-SHT-075-A	Concrete Compressive Strength Report# BM/CT/14701– 28 days Retaining Wall Between Stations (7+288-7+298) /Al Hawawreh Street/Halhoul City/first stage	SHT	07/20/14	08/19/14	07/21/14	1	A
	TEST-13-00016-SHT-076-A	Concrete Compressive Strength Report# BM/CT/14724– 28 days Retaining Wall Between Stations (7+288-7+298) /Al Hawawreh Street/Halhoul City/ Second stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-077-A	Concrete Compressive Strength Report# BM/CT/14726– 28 days Retaining Wall Between Stations (7+268-7+278) /Al Hawawreh Street/Halhoul City/first stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-078-A	Concrete Compressive Strength Report# BM/CT/14729– 28 days Retaining Wall Between Stations (7+337.87-7+347.26) /Al Hawawreh Street/Halhoul City/ First stage	SHT	07/20/14	08/19/14	08/07/14	18	A
	TEST-13-00016-SHT-079-A	Concrete Compressive Strength Report# BM/CT/14731– 28 days Retaining Wall Between Stations (7+268.74-7+278.85) /Al Hawawreh Street/Halhoul City/ Second stage	SHT	07/20/14	08/19/14	08/05/14	16	A
	TEST-13-00016-SHT-080-A	Concrete Compressive Strength Report# BM/CT/14753– 28 days Retaining Wall Between Stations (7+318-7+328) /Al Hawawreh Street/Halhoul City	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-081-A	Concrete Compressive Strength Report# BM/CT/14769– 7 days Retaining Wall Between Stations (7+436-7+443) and (7+318-7+328)(/Al Hawawreh Street/Halhoul City	SHT	07/20/14	08/19/14	08/04/14	15	A
	TEST-13-00016-SHT-082-A	Concrete Compressive Strength Report# BM/CT/14770 - 28 days -Pad Concrete (Blinding) Retaining Wall Between Stations (7+203.4 -7+237.3) /Al Hawawr Street/Halhoul City	SHT	07/20/14	08/19/14	08/04/14	15	A
	TEST-13-00016-SHT-083-A	Concrete Compressive Strength Report# BM/CT/14811– 7 days Retaining Wall Between Stations (7+205-7+273.3) /Al Hawawreh Street/Halhoul City	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-084-A	Concrete Compressive Strength Report# BM/CT/14743– 28 days Retaining Wall Between Stations (7+337.87-7+347.62) /Al Hawawreh Street/Halhoul City	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-085-A	Concrete Compressive Strength Report# BM/CT/14781– 7 days Retaining Wall Between Stations (7+250.54 -7+259.24) /Al Hawawreh Street/Halhoul City /First Stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-086-A	Concrete Compressive Strength Report# BM/CT/14786– 7 days Retaining Wall Between Stations (7+250.54 -7+259.24) /Al Hawawreh Street/Halhoul City / Second Stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-087-A	Concrete Compressive Strength Report# BM/CT/14797– 7 days Retaining Wall Between Stations (7+299.72 -7+308.48) /Al Hawawreh Street/Halhoul City /First Stage	SHT	07/20/14	08/19/14	07/24/14	4	A

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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-088-A	Concrete Compressive Strength Report# BM/CT/14812– 7 days Retaining Wall Between Stations (7+299.72 -7+308.48) /Al Hawawreh Street/Halhoul City /Second Stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-089-A	Concrete Compressive Strength Report# BM/CT/14818– 7 days Retaining Wall Between Stations (7+278.85 -7+89.98) /Al Hawawreh Street/Halhoul City /First Stage	SHT	07/20/14	08/19/14	07/24/14	4	A
	TEST-13-00016-SHT-090-A	Concrete Compressive Strength Report# BM/CT/14624– 28 days Retaining Wall Between Stations (7+500-7+505)/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	07/24/14	2	A
	TEST-13-00016-SHT-091-A	Concrete Compressive Strength Report# BM/CT/14625– 28 days Footing of the Retaining Wall Between Stations (7+237-7+259)/Al Hawawr Street/Halhoul City	SHT	07/22/14	08/21/14	07/24/14	2	A
	TEST-13-00016-SHT-092-A	Concrete Compressive Strength Report# BM/CT/14636– 28 days Retaining Wall Between Stations (7+346-7+356))/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-093-A	Concrete Compressive Strength Report# BM/CT/14646– 28 days Retaining Wall Between Stations (7+347-7+356))/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-094-A	Concrete Compressive Strength Report# BM/CT/14649– 28 days Retaining Wall Between Stations (7+398-7+407.05))/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-095-A	Concrete Compressive Strength Report# BM/CT/14659– 28 days Retaining Wall Between Stations (7+327-7+337))/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-096-A	Concrete Compressive Strength Report# BM/CT/14676– 28 days Retaining Wall Between Stations (7+328.12 -7+337.87))/Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-097-A	Concrete Compressive Strength Report# BM/CT/14692– 28 days -First Stage Retaining Wall Between Stations (7+308-7+318) /Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-098-A	Concrete Compressive Strength Report# BM/CT/14697– 28 days -Second Stage Retaining Wall Between Stations (7+308-7+318) /Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-099-A	Concrete Compressive Strength Report# BM/CT/14835– 7 days -Second Stage Retaining Wall Between Stations (7+278.85-7+289.98) /Al Hawawreh Street/Halhoul City	SHT	07/22/14	08/21/14	08/04/14	13	A
	TEST-13-00016-SHT-100-A	Concrete Compressive Strength for Footings of the Retaining Walls Between Stations (7+389-7+390.6) & (7+440-7+445)- 28 days -Al Hawawreh Street/Halhoul City -Report#BM/CT/14472	SHT	07/24/14	08/23/14	08/04/14	11	A
	TEST-13-00016-SHT-101-A	Radiographic Examination Interpretation Report No. 8138928/14 for 6" Welded Joints Jo 25RS at Sta.0+238.24 , Jo 26RS at Sta.0+250.48, Jo 27RS at Sta 262.72 ,And for 30" six bents pipe at workshop in storage yard - Negative films were submitted at BV main office.	SHT	07/24/14	08/23/14	08/13/14	20	C
	TEST-13-00016-SHT-102-A	Bedding Material Aggregate -Crushed Limestone Aggregates - Report # BM/QC/14086- Al-Aroub Pipeline 6"+4"-Beit Ummer Network Between Stations (0+500 & 1+200)	SHT	08/06/14	09/05/14	08/19/14	13	A
	TEST-13-00016-SHT-103-A	Testing Bituminous Paving Mixture Report -Asphalt/loose sample-Report #AS/TBM/14204 - Deir Sha'ar Main Pipeline 8" Between Stations (1+740 & 2+310)	SHT	08/06/14	09/05/14	08/13/14	7	A
	TEST-13-00016-SHT-104-A	Bedding Material Aggregate -Crushed Limestone Aggregates - Report # BM/QC/14083-Al-Aroub Pipeline 6"+4"- Beit Ummer Network Between Stations (0+000 & 0+500)	SHT	08/06/14	09/05/14	08/19/14	13	A
	TEST-13-00016-SHT-105-A	Fill Materials - Aggregate Report # BM/QC/14082 - Al-Aroub Pipeline 6"+4"-Beit Ummer Network Between Stations (0+000 & 0+500) - Single Size Aggregate	SHT	08/06/14	09/05/14	08/19/14	13	A
	TEST-13-00016-SHT-106-A	Density of soil In-Place -Sand Cone Method - #ST/FD/14419- Standard Sand ,0.6/0.3mm ,C Fraction - Biet Ummer Network 8" between Stations (1+240 to 1+600)	SHT	08/06/14	09/05/14	08/13/14	7	A
	TEST-13-00016-SHT-107-A	Density of soil In-Place -Sand Cone Method - #ST/FD/14410- Standard Sand ,0.6/0.3mm ,C Fraction - Biet Ummer Network 8" between Stations (1+600 to 1+300)	SHT	08/06/14	09/05/14	08/13/14	7	A

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	TEST-13-00016-SHT-108-A	Concrete Compressive Strength Report# BM/CT/14840– 7 days First Stage Retaining Wall Between Stations (7+357.37-7+363.22) /Al Hawawreh Street/Halhoul City	SHT	08/06/14	09/05/14	08/13/14	7	A
	TEST-13-00016-SHT-109-A	Concrete Compressive Strength Report# BM/CT/14769– 28 days Retaining Wall Between Stations (7+436-7+443) and Second stage Retaining Wall Between Stations (7+318.38-7+328.16) /Al Hawawreh Street/Halhoul City	SHT	08/06/14	09/05/14	08/13/14	7	A
	TEST-13-00016-SHT-110-A	Ultrasonic Inspection Report- # 001 to 012 - Deir Sha'ar Main Pipeline 30" - Jo. 33,35,37,39,41,43,47,48,49,50,51,53,54,55,57,58,59,60,62,63.	SHT	08/06/14	09/05/14	08/13/14	7	C
	TEST-13-00016-SHT-110-B	Ultrasonic Inspection Report- # 001 to 012 - Deir Sha'ar Main Pipeline 30" - Jo. 33,35,37,39,41,43,47,48,49,50,51,53,54,55,57,58,59,60,62,63.	SHT	08/19/14	09/18/14		PE	
	TEST-13-00016-SHT-111-A	Fill Materials - Aggregate Report # BM/QC/14085 -Al-Aroub Pipeline 6"+4"-Beit Ummer Network Between Stations (0+500 & 1+200) - Single Size Aggregate	SHT	08/06/14	09/05/14	08/19/14	13	A
	TEST-13-00016-SHT-112-A	Concrete Compressive Strength Report# BM/CT/14781– 28 days First Stage Retaining Wall Between Stations (7+250.54-7+259.24) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-113-A	Concrete Compressive Strength Report# BM/CT/14786– 28 days Second Stage Retaining Wall Between Stations (7+250.54-7+259.24) /Al HawawerStreet/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-114-A	Concrete Compressive Strength Report# BM/CT/14811– 28 days - Retaining Wall Foundation Between Stations (7+205.7-7+237.3) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-115-A	Concrete Compressive Strength Report# BM/CT/14812– 28 days Second Stage Retaining Wall Between Stations (7+299.72-7+308.48) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-116-A	Concrete Compressive Strength Report# BM/CT/14818– 28 days First Stage Retaining Wall Between Stations (7+278.85-7+289.98) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-117-A	Concrete Compressive Strength Report# BM/CT/14857– 7 days Retaining Wall Between Stations (7+416.85-7+420.01) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/21/14	10	A
	TEST-13-00016-SHT-118-A	Concrete Compressive Strength Report# BM/CT/14864– 7 days Retaining Wall (Second Stage) Between Stations (7+237.5-7+243.9) and (First Stage) Between Stations (7+259.3-7+268.9) /Al Hawawer Street/Halhoul City.	SHT	08/11/14	09/10/14	08/19/14	8	A
	TEST-13-00016-SHT-119-A	Concrete Compressive Strength Report# BM/CT/14849– 7 days Retaining Wall (Second Stage) Between Stations (7+357.36-7+364.35) and (First Stage) Between Stations (7+243.9-7+237.3) /Al Hawawerh Street/Halhoul City.	SHT	08/11/14	09/10/14	08/19/14	8	A
	TEST-13-00016-SHT-120-A	Concrete Compressive Strength Report# BM/CT/14797– 28 days- First Stage Retaining Wall Between Stations (7+299.72-7+308.48) /Al Hawawer Street/Halhoul City	SHT	08/11/14	09/10/14	08/20/14	9	A
	TEST-13-00016-SHT-121-A	Soil and Soil Aggregate Materials - Topping material / Loose Sample Report # ST/14367 –30" Main Pipeline at Station 1+300	SHT	08/17/14	09/16/14	08/20/14	3	A
	TEST-13-00016-SHT-122-A	Concrete Compressive Strength Report# BM/CT/14840– 28 days First Stage Retaining Wall Between Stations (7+357.37-7+363.22) /Al Hawawreh Street/Halhoul City	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-123-A	Concrete Compressive Strength Report# BM/CT/14887– 7 days Second Stage Retaining Wall Between Stations (7+259.24-7+268.94) /Al Hawawreh Street/Halhoul City	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-124-A	Density of soil In-Place -Sand Cone Method - #ST/FD/14435 - Biet Ummer Network 8" between Stations (0+810 to 1+250)	SHT	08/17/14	09/16/14	08/28/14	11	A

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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-125-A	Density of soil In-Place -Sand Cone Method - #ST/FD/14452- Biet Ummer Network 8" between Stations (0+450 to 0+810)	SHT	08/17/14	09/16/14	08/28/14	11	A
	TEST-13-00016-SHT-126-A	Density of soil In-Place -Sand Cone Method - #ST/FD/14457- Al Aroub Pipeline 6" & 4"-Biet Ummer Network between Stations (0+000 to 0+700)	SHT	08/17/14	09/16/14	08/28/14	11	A
	TEST-13-00016-SHT-127-A	Bedding Material Aggregate -Cruched Limestone Aggregates- Report # BM/QC/14090 -Deir Sha'ar Main Pipeline Between Stations (1+200 & 1+700)	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-128-A	Bedding Material Aggregate -Cruched Limestone Aggregates- Report # BM/QC/14091-Deir Sha'ar Main Pipeline Between Stations (9+000 & 9+500)	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-129-A	Fill Materials / Trench Backfill -Single size Aggregate Report # BM/QC/14092-Deir Sha'ar Main Pipeline Between Stations (9+000 & 9+500)	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-130-A	Fill Materials / Trench Backfill -Single size Aggregate Report # BM/QC/14093-Deir Sha'ar Main Pipeline Between Stations (1+200 & 1+700)	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-131-A	Soil and Soil Aggregate Materials -Base Course / Loose Sample Report # ST/14359 – Beit Ummer Network 8" Pipeline Between Stations (0+450 & 0+810)	SHT	08/17/14	09/16/14	08/28/14	11	A
	TEST-13-00016-SHT-132-A	Soil and Soil Aggregate Materials -Sub Grade/ Compacted Sample Report # ST/14364 – Al Aroub Pipeline 6" & 4"-Biet Ummer Network between Stations (0+000 to 0+700)	SHT	08/17/14	09/16/14	08/28/14	11	A
	TEST-13-00016-SHT-133-A	Testing Bituminous Paving Mixture Report -Asphalt/loose sample-Report #AS/TBM/14210 - Deir Sha'ar Main Pipeline 8" Between Stations (0+800 & 1+740)	SHT	08/17/14	09/16/14	08/28/14	11	A
	TEST-13-00016-SHT-134-A	Concrete Compressive Strength Report# BM/CT/14897– 7 days First Stage Retaining Wall Between Stations (7+218/18-7+227.92) /Al Hawawreh Street/Halhoul City	SHT	08/17/14	09/16/14	08/25/14	8	A
	TEST-13-00016-SHT-135-A	Radiographic Examination Interpretation Report-Deir Sha'ar Main Pipeline- Jo. B-37-J1, B-37-J2, B-38-J1, B-38-J2, B-39-J1, B-40-J1, B-40-J1, B-40-J2, B-45-J1, B-45-J2, B-2-J1, B-2-J2.	SHT	08/20/14	09/19/14	08/24/14	4	C
	TEST-13-00016-SHT-135-B	Radiographic Examination Interpretation Report-Deir Sha'ar Main Pipeline- Jo. B-37-J1, B-37-J2, B-38-J1, B-38-J2, B-39-J1, B-40-J1, B-40-J1, B-40-J2, B-45-J1, B-45-J2, B-2-J1, B-2-J2- Negative Films attached	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-136-A	Bituminous paving mixture report-Asphalt loose sample Report#AS/TBM/14213- Biet Ummer network 8" pipeline between Sta.(0+450 & 0+800).	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-137-A	Soil and Soil Aggregate Materials Testing Report- Base course loose material- Report # ST/14377- Deir Sha'ar Main Pipeline Between Sta. (9+000 & 9+500).	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-138-A	Soil and Soil Aggregate Materials Testing Report- Base course loose material- Report # ST/14380- Biet Ummer network 8" Pipeline Between Sta. (0+000 & 0+450).	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-139-A	Field Density Test – Report #ST/FD/14465- Deir Sha'ar Main Pipeline between Sta.(7+093 & 7+135) LHS/7th layer/Behind Retaining Wall	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-140-A	Field Density Test – Report #ST/FD/14468- Beit Ummer Network 8" Pipeline between Sta.(0+000 & 0+450)	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-141-A	Concrete compressive strength test for retaining wall- Between Sta.(7+259.3 -7+268.9) and Sta.(7+237.5 – 7+243.9) /AL Hawawreh Street/Halhul -Report # BM/CT/14864- 28 days.	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-142-A	Concrete compressive strength test for retaining wall- Between Sta. (7+243.48 – 7+250.58)/AL Hawawreh Street/Halhul/First Stage -Report # BM/CT/14916-7 days.	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-143-A	Concrete compressive strength test for retaining wall- Between Sta. (7+204.54-7+211.57)/AL Hawawreh Street/Halhul-Report # BM/CT/14920-7 days.	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-144-A	Concrete compressive strength test for retaining wall- Between Sta. (7+243.48-7+250.58)/AL Hawawreh Street/Halhul/ Second Stage -Report # BM/CT/14937-7 days.	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-145-A	Concrete compressive strength test for footing of the retaining wall- Between Sta. (7+204.54-access road)/AL Hawawreh Street/Halhul -Report # BM/CT/14921-7 days.	SHT	08/26/14	09/25/14		PE	

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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-146-A	Ultrasonic Inspection Report- # 013 to 018 - Deir Sha'ar Main Pipeline 30" - Jo. 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 25, 26, 27, 28, 29, 30, 31, 32.	SHT	08/26/14	09/25/14		PE	
	TEST-13-00016-SHT-147-A	Bituminous paving mixture report-Asphalt loose sample Report#AS/TBM/14217- Deir Sha'ar main pipeline between Sta. (9+027 & 9+220).	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-148-A	Concrete Compressive Strength Report# BM/CT/14818–28 days Retaining Wall Between Stations (7+278.85 - 7+89.98) /Al Hawawreh Street/Halhoul City /First Stage	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-149-A	Concrete Compressive Strength Report# BM/CT/14835– 28 days -Second Stage Retaining Wall Between Stations (7+278.85-7+289.98) /Al Hawawreh Street/Halhoul City	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-150-A	Concrete Compressive Strength Report# BM/CT/14849– 28 days Retaining Wall (Second Stage) Between Stations (7+357.36-7+364.35) and (First Stage) Between Stations (7+243.9-7+237.3) /Al Hawawerh Street/Halhoul City.	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-151-A	Concrete Compressive Strength Report# BM/CT/14840– 28 days First Stage Retaining Wall Between Stations (7+357.37-7+363.22) /Al Hawawreh Street/Halhoul City	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-152-A	Concrete Compressive Strength Report# BM/CT/14857– 28 days Retaining Wall Between Stations (7+416.85-7+420.01) /Al Hawawer Street/Halhoul City	SHT	08/28/14	09/27/14		PE	
	TEST-13-00016-SHT-153-A	Concrete Compressive Strength Report# BM/CT/14864– 28 days Retaining Wall (Second Stage) Between Stations (7+237.5-7+243.9) and (First Stage) Between Stations (7+259.3-7+268.9) /Al Hawawer Street/Halhoul City.	SHT	08/28/14	09/27/14		PE	

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

G | RFI's Log for the Reporting Period

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CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #16, Deir Shaar Main Pipeline
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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	05/06/14	19	Maher Awawdeh
	RFI-13-00016-SHT-017	Eliminate pipe culverts @ sta. 1+525 @ 2+230 Beit Ummar Task Order #16	SHT	05/19/14	06/18/14	05/20/14	1	Maher Awawdeh
	RFI-13-00016-SHT-018	Access road required per Halhul municipality from sta. 7+180 to 7+190. Deir Sha'ar main pipeline project, TO # 16	SHT	05/21/14	06/20/14	05/31/14	10	Maher Awawdeh
	RFI-13-00016-SHT-019	Pouring concrete retaining wall in two stages at Deir Sha'ar Main pipeline Task Order #16	SHT	05/25/14	06/24/14	05/31/14	6	Maher Awawdeh
	RFI-13-00016-SHT-020	Revise the profile for Al-Aroub road / Beit Ummar-Deir Sha'ar main pipeline project, TO # 16	SHT	06/05/14	07/05/14	06/09/14	4	Maher Awawdeh

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-021	Required washout and air relieve valve chambers at Sta.0+000 to Sta.1+350-Halhul Water Distribution Network -Shahera Water Pipeline Task Order #16	SHT	06/12/14	07/12/14	06/17/14	5	Maher Awawdeh
	RFI-13-00016-SHT-022	Using geo textile sheet under base course and above single size material in water lines trenches.	SHT	06/24/14	07/24/14	07/13/14	19	Maher Awawdeh
	RFI-13-00016-SHT-023	Technical requirement as per RFI#13 response for Bladder Type Surge System At Deir Sha'ar main pipeline project, TO # 16	SHT	07/03/14	08/02/14	07/10/14	7	Maher Awawdeh
	RFI-13-00016-SHT-024	CMC response to stone wall shop drawing submittal no. SUB-13-00016 –SHT-194-A-Deir Sha'ar main pipeline project, TO # 16	SHT	07/14/14	08/13/14	07/24/14	10	Maher Awawdeh
	RFI-13-00016-SHT-025	Replace the proposed pipe culvert 1.0 m dia with 3(60) cm dia pipe culverts at sta. 4+610/ Deir Sha'ar main pipeline project, TO # 16	SHT	07/14/14	08/13/14	07/22/14	8	Maher Awawdeh
	RFI-13-00016-SHT-026	Pipes and Catch basin for Storm Drainage system	SHT	08/14/14	09/13/14	08/25/14	11	Maher Awawdeh
	RFI-13-00016-SHT-027	Location for the required valves and connection chambers at Deir Sha'ar Main pipeline project, TO # 16	SHT	08/26/14	09/25/14			

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

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

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

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

Deir Sha'ar Main Pipeline Project (SHT)

Temproray Job Days Summary Report

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

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

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments	Female Working Hours	Female Working Days
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	29.6	15.1	37.3	0.0	0.0	82.0	3.4		121.0	15.1
December	2013	46.0	14.0	1.5	0.0	0.0	61.5	2.6		112.0	14.0
January	2014	92.0	51.0	28.0	48.0	0.0	219.0	9.2		200.0	25.0
February	2014	95.0	68.4	106.5	105.6	0.0	375.5	15.8		192.0	24.0
March	2014	108.0	80.0	221.3	186.0	0.0	595.3	25.0		216.0	27.0
April	2014	104.0	78.0	299.5	254.0	0.0	735.5	30.9		208.0	26.0
May	2014	135.0	76.8	572.4	553.3	0.0	1337.4	56.2		208.0	26.0
June	2014	164.0	83.0	656.9	604.3	0.0	1508.6	63.4		214.0	26.8
July	2014	141.9	94.3	526.5	321.4	0.0	1093.1	45.9		56.0	7.0
August	2014	159.8	121.6	893.0	558.5	0.0	1732.9	72.8		0.0	0.0
September	2014						0.0	0.0			
Total of FY 2014							7740.8	325.2		1527.0	190.9
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.

Note: All numbers are rounded to the nearest decimal number.

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: August 01, 2014

PERIOD TO: August 31, 2014

DATE	Deir Sha'ar Main Pipe Line Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
August 1, 2014	0.0	0.0	0.0	2.0		2.0						
August 2, 2014	6.5	4.3	30.4	22.1		63.3						
August 3, 2014	6.5	4.3	32.1	22.1		65.0						
August 4, 2014	6.6	4.3	34.1	20.1		65.1						
August 5, 2014	6.9	4.1	38.4	21.1		70.5						
August 6, 2014	6.9	4.4	35.4	22.3		68.9						
August 7, 2014	6.9	5.4	21.5	21.3		55.0						
August 8, 2014	0.0	0.0	0.0	2.0		2.0						
August 9, 2014	6.9	5.4	34.9	24.3		71.4						
August 10, 2014	6.9	5.4	38.6	24.3		75.1						
August 11, 2014	0.0	0.0	0.0	0.0		0.0						
August 12, 2014	6.9	5.6	49.6	29.3		91.4						
August 13, 2014	6.8	4.4	36.4	23.3		70.8						
August 14, 2014	6.8	5.4	33.9	17.3		63.3						
August 15, 2014	0.0	0.0	0.0	0.0		0.0						
August 16, 2014	7.8	5.4	41.4	21.3		75.8						
August 17, 2014	6.8	5.4	36.4	20.3		68.8						
August 18, 2014	6.8	6.4	37.4	22.3		72.8						
August 19, 2014	6.8	6.4	41.4	24.3		78.8						
August 20, 2014	6.8	6.4	40.4	24.3		77.8						
August 21, 2014	6.8	4.4	32.4	20.3		63.8						
August 22, 2014	0.0	0.0	0.0	2.0		2.0						
August 23, 2014	6.8	5.4	44.4	25.3		81.8						
August 24, 2014	0.0	0.0	0.0	0.0		0.0						
August 25, 2014	6.8	4.4	35.5	21.3		67.9						
August 26, 2014	6.8	5.4	39.5	22.3		73.9						
August 27, 2014	6.8	4.4	39.5	23.3		73.9						
August 28, 2014	5.6	4.4	41.1	22.3		73.4						
August 29, 2014	0.0	0.0	0.0	1.0		1.0						
August 30, 2014	5.6	5.4	40.1	26.3		77.4						
August 31, 2014	5.6	5.4	38.4	31.3		80.6						
Sub Total of August 2014	159.8	121.6	893.0	558.5	0.0	**1732.9**						

Aug-14	**Total Job Days**	**No of Full Time Equivalent (FTE) Jobs**
	1732.9	72.8

Daily Work Force /August 2014
Project: Deir Sha'ar Main Pipeline Project
Contract No. AID-294-I-00-12-00005

APCO/ArCon CONSTRUCTION AND SERVICES

Daily Work Force /August 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	CWI	Safety & Environmental Compliance Officer	Assistant Safety Officer	Project Engineer	Office Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Welder Assistance	Welder	Unskilled Labor	Flagmen	Guard	Office Guard	Storekeeper	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
August 1, 2014	APCO/ArCon																				16				0	0	0	2
	Subcontractor																											
August 2, 2014	APCO/ArCon		9	9		8	8	9	9	25	9	34	9		96	80	8	16	104	32	16	8	9	8	7	4	30	22
	Subcontractor																											
August 3, 2014	APCO/ArCon		9	9		8	8	9	9	25	9	26	9		118	80	8	16	104	32	16	8	9	8	7	4	32	22
	Subcontractor																											
August 4, 2014	APCO/ArCon		10	9		8	8	9	9	25	9	26	9		126	88	8	16	104	16	16	8	9	8	7	4	34	20
	Subcontractor																											
August 5, 2014	APCO/ArCon		10	9		8	8	11	9	25	8	26	9		160	88	8	16	104	24	16	8	9	8	7	4	38	21
	Subcontractor																											
August 6, 2014	APCO/ArCon		10	10		8	8	10	9	26	9	26	9		136	88	8	16	104	32	16	8	10	8	7	4	35	22
	Subcontractor																											
August 7, 2014	APCO/ArCon		10	10		8	8	10	9	34	9	26	9		73	64			96	32	16	8	10	8	7	5	22	21
	Subcontractor																											
August 8, 2014	APCO/ArCon																				16				0	0	0	2
	Subcontractor																											
August 9, 2014	APCO/ArCon		10	10		8	8	10	9	34	9	26	9		116	88	16	24	136	16	16	8	10	8	7	5	35	24
	Subcontractor																											
August 10, 2014	APCO/ArCon		10	10		8	8	10	9	34	9	26	9		130	96	16	32	120	32	16	8	10	8	7	5	39	24
	Subcontractor																											
August 11, 2014	APCO/ArCon		10	10		8	8	10	9	34	9	26	9		146	72	16	32	96	32	16	8	10	8				
	Subcontractor																											
August 12, 2014	APCO/ArCon		10	10		8	8	10	9	36	9	42	19		152	96	32	56	144	48	16	8	10	8	7	6	50	29
	Subcontractor																											
August 13, 2014	APCO/ArCon		10	10		8	8	10	8	26	9	34	17		88	72	32	48	112	40	8	8	10	8	7	4	36	23
	Subcontractor																											
August 14, 2014	APCO/ArCon		10	10		8	8	10	8	34	9	42	17		100	64	16	32	72	32	8	8	10	8	7	5	34	17
	Subcontractor																											
August 15, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																											
August 16, 2014	APCO/ArCon		10	10		8	16	10	8	34	9	42	17		120	72	32	48	104	32	8	8	10	8	8	5	41	21
	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	CWI	Safety & Environmental Compliance Officer	Assistant Safety Officer	Project Engineer	Office Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Welder Assistance	Welder	Unskilled Labor	Flagmen	Guard	Office Guard	Storekeeper	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
August 17, 2014	APCO/ArCon		10	10		8	8	10	8	34	9	42	17		112	56	24	40	96	32	8	8	10	8	7	5	36	20
	Subcontractor																											
August 18, 2014	APCO/ArCon		10	10		8	8	10	8	42	9	42	17		112	96	8	24	112	32	8	8	10	8	7	6	37	22
	Subcontractor																											
August 19, 2014	APCO/ArCon		10	10		8	8	10	8	42	9	42	17		120	96	16	40	136	24	8	8	10	8	7	6	41	24
	Subcontractor																											
August 20, 2014	APCO/ArCon		10	10		8	8	10	8	42	9	42	17		128	96	16	24	136	24	8	8	10	8	7	6	40	24
	Subcontractor																											
August 21, 2014	Subcontractor		10	10		8	8	10	8	26	9	42	9		104	72	16	16	104	24	8	8	10	8	7	4	32	20
	Subcontractor																											
August 22, 2014	APCO/ArCon																				16				0	0	0	2
	Subcontractor																											
August 23, 2014	APCO/ArCon		10	10		8	8	10	8	34	9	58	17		128	96	16	40	136	32	8	8	10	8	7	5	44	25
	Subcontractor																											
August 24, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																											
August 25, 2014	APCO/ArCon		10	10		8	8	10	8	26	9	42	26		104	72	16	24	104	32	8	8	10	8	7	4	36	21
	Subcontractor																											
August 26, 2014	APCO/ArCon		10	10		8	8	10	8	34	9	42	26		128	80	16	24	112	32	8	8	10	8	7	5	40	22
	Subcontractor																											
August 27, 2014	APCO/ArCon		10	10		8	8	10	8	26	9	42	26		128	80	16	24	112	40	8	8	10	8	7	4	40	23
	Subcontractor																											
August 28, 2014	APCO/ArCon		10	0		8	8	10	9	26	9	56	25		152	72	8	16	112	32	8	8	10	8	6	4	41	22
	Subcontractor																											
August 29, 2014	APCO/ArCon																				8				0	0	0	1
	Subcontractor																											
August 30, 2014	APCO/ArCon		10	0		8	8	10	9	34	9	40	25		120	104	16	16	144	32	8	8	10	8	6	5	40	26
	Subcontractor																											
August 31, 2014	APCO/ArCon		10	0		8	8	10	9	34	9	42	17		144	72	16	16	176	32	16	8	10	8	6	5	38	31
	Subcontractor																											
Total																									**160**	**122**	**893**	**559**

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/ CONSEQUEN	RAISED BY	DATE RAISED	PROBLTY.	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Design	No risks during this reporting period.							0							
2	Owner								0							
3	USAID								0							
4	External								0							
5	Procurement								0							
6	Skills								0							
7	Complexity								0							
8	Resources								0							
9	Communications								0							
									0							