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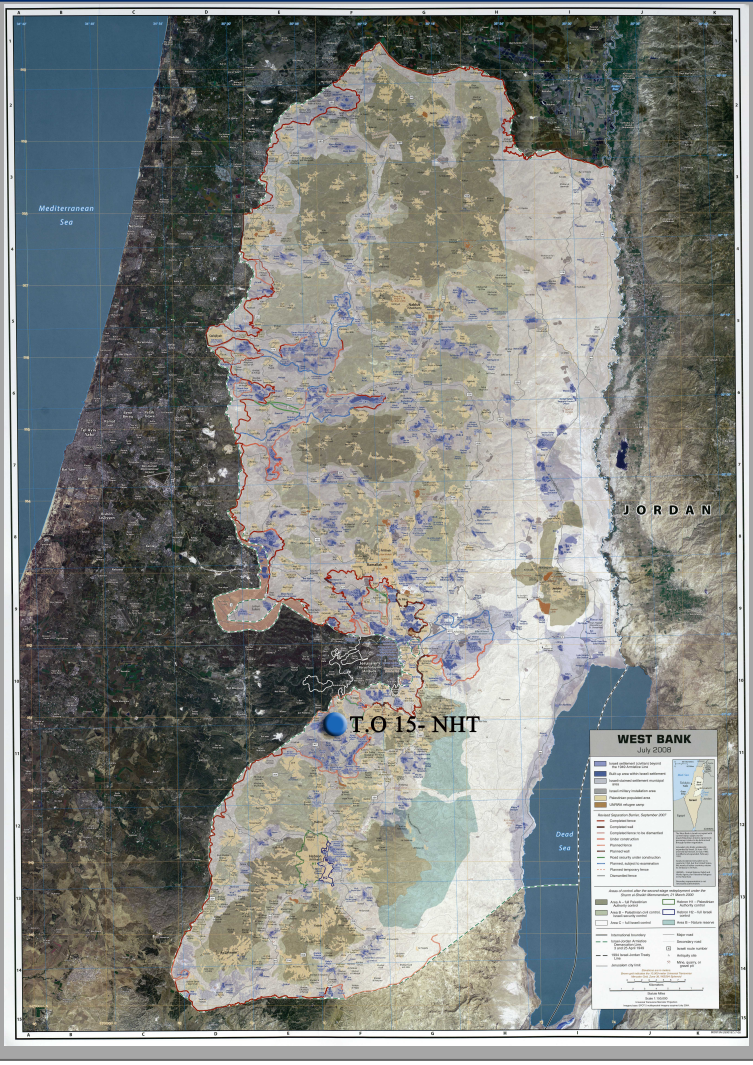
MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00015

Nahaleen Main Pipeline Project (NHT)

APCO/ArCon

June , 2014



MONTHLY TASK ORDER PROGRESS REPORT

INFRASTRUCTURE NEEDS PROGRAM

Contract No. 294-I-00-12-00005
Task Order No. AID-294-TO-13-00015

From June. 01, 2014 to June. 30, 2014

DISCLAIMER

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USAID Contract No.:	294-I-00-12-00005
TO No.:	13-00015
Contractor:	APCO/ArCon Construction and Services
T.O Key Personnel:	Eng. Naim Fannoon T.O.M Eng. Monther Ibhais- Q.C.M Eng. Ahmad Najajreh- S.E.O Eng. Motasem Abu Rayyan- P.E CWI. Aron Luke Gumpana

Monthly Progress Report number 08

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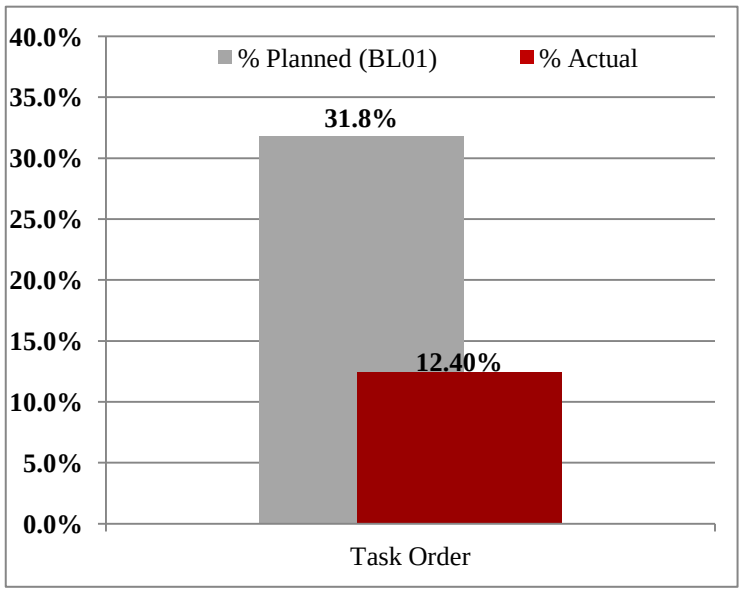
TASK ORDER OVERVIEW:

Task Order Project Name	Nahaleen Main Pipeline Project (NHT)
Project Description	This project consists of: 1. Installing a new 300mm, 250mm, 200mm, and 100mm diameter main transmission pipeline approximately 9.14 kilometers long to supply potable water to the towns of Nahaleen, Wadi Fukin, Husan, and Battir. The pipeline originates at a new connection to an existing Mekorot pipeline near Al Jaba' junction and terminates at new connection chambers for Nahaleen, Husan, and Battir, as well as at a connection to an existing pipeline to Wadi Fukin. A metered turnout (connection chamber) is provided for each town. 2. Installing approx. 7.24 km of local network connections for Nahaleen, Husan, and Battir. 3. Upgrading a total of 9.5 kilometers of existing roads within Nahaleen, Husan, and Battir. The road is a two-lane regional road connecting the communities of Nahaleen, Hussan, Battir and Wadi Fukin to Road 60 and Road 367 in the Bethlehem Governorate. And 1.3km of local roads in Nahaleen.
Statement of Work (SOW)	The scope entails water scope to include excavation works, supply and installation of piping and associated fittings for the transmission main, related civil and mechanical works, backfilling excavated areas, pipe pressure testing, pipe disinfection and cleaning for complete operation of the water system. Road scope details excavation works, embankment backfilling, pavement layer construction, construction of retaining structures, installation of safety features (signage, road marking, cat eyes, and guardrails).
Project Location	Nahaleen, Husan and Battir localities, Bethlehem District (Areas B and C)
Contract No.	294-I-00-12-00005
Task Order No.	AID-294-TO-13-00015
Employer	USAID
Contractor	APCO/ArCon
Engineer / CMC	Black and Veatch
Subcontractor Name	Al Tarifi Company
Notice of Award (NOA)	Sep. 20, 2013
Notice To Proceed (NTP)	Nov. 06, 2013
Task Order Contract Value	$12,214,885.00
Projects Total Value	$11,614,885.00
Day Work	$600,000
Modified Projects Total Value	---
Modified Day Work	---
Start of Construction	February 26, 2014
Contractual period of Performance	540 Calendar Days
Contractual End Date	April 29, 2015
Modified period of Performance	---
Modified End Date	---
Estimated Completion Date	April 29, 2015
Planned Percentage of Completion	31.8% (BL01)
Actual Percentage of Completion	12.4%



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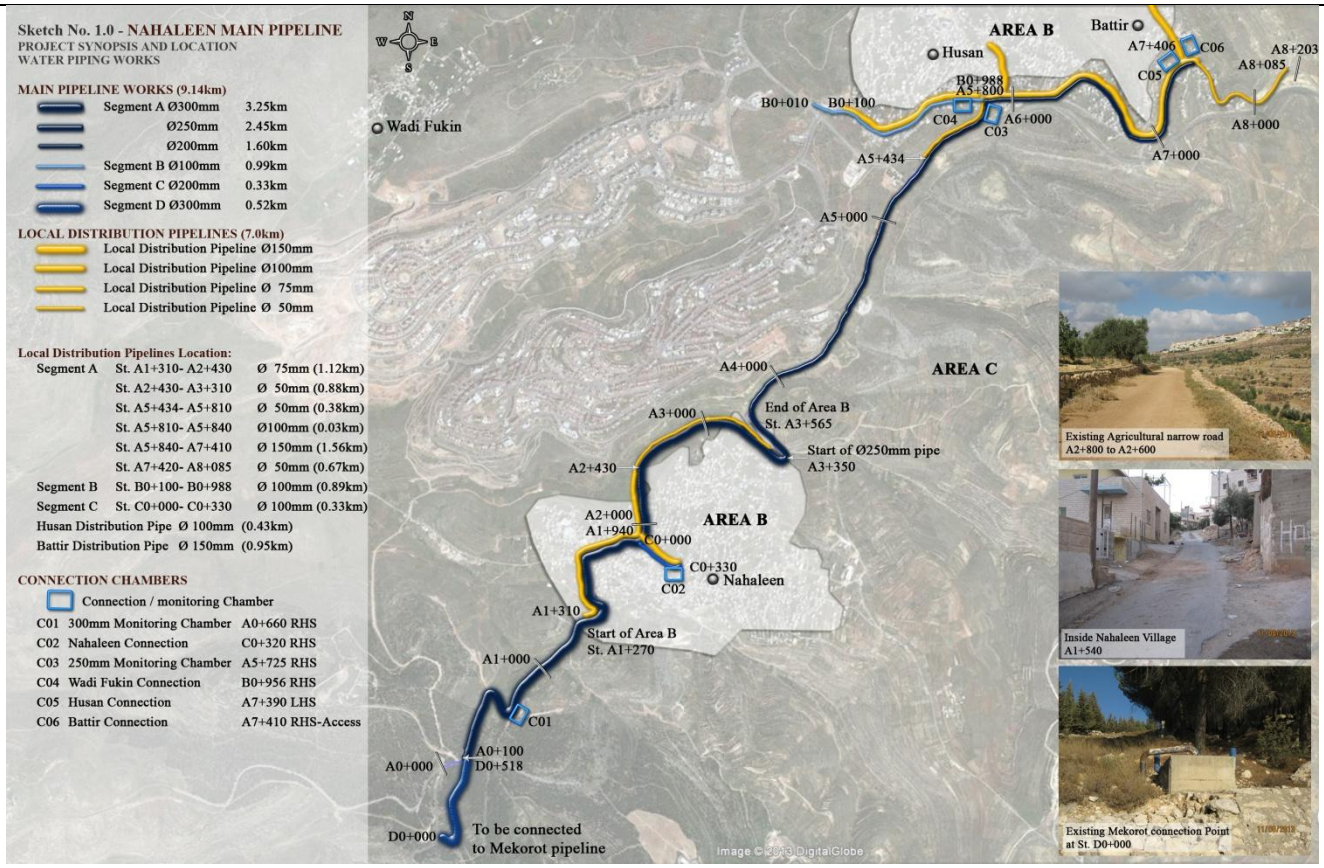

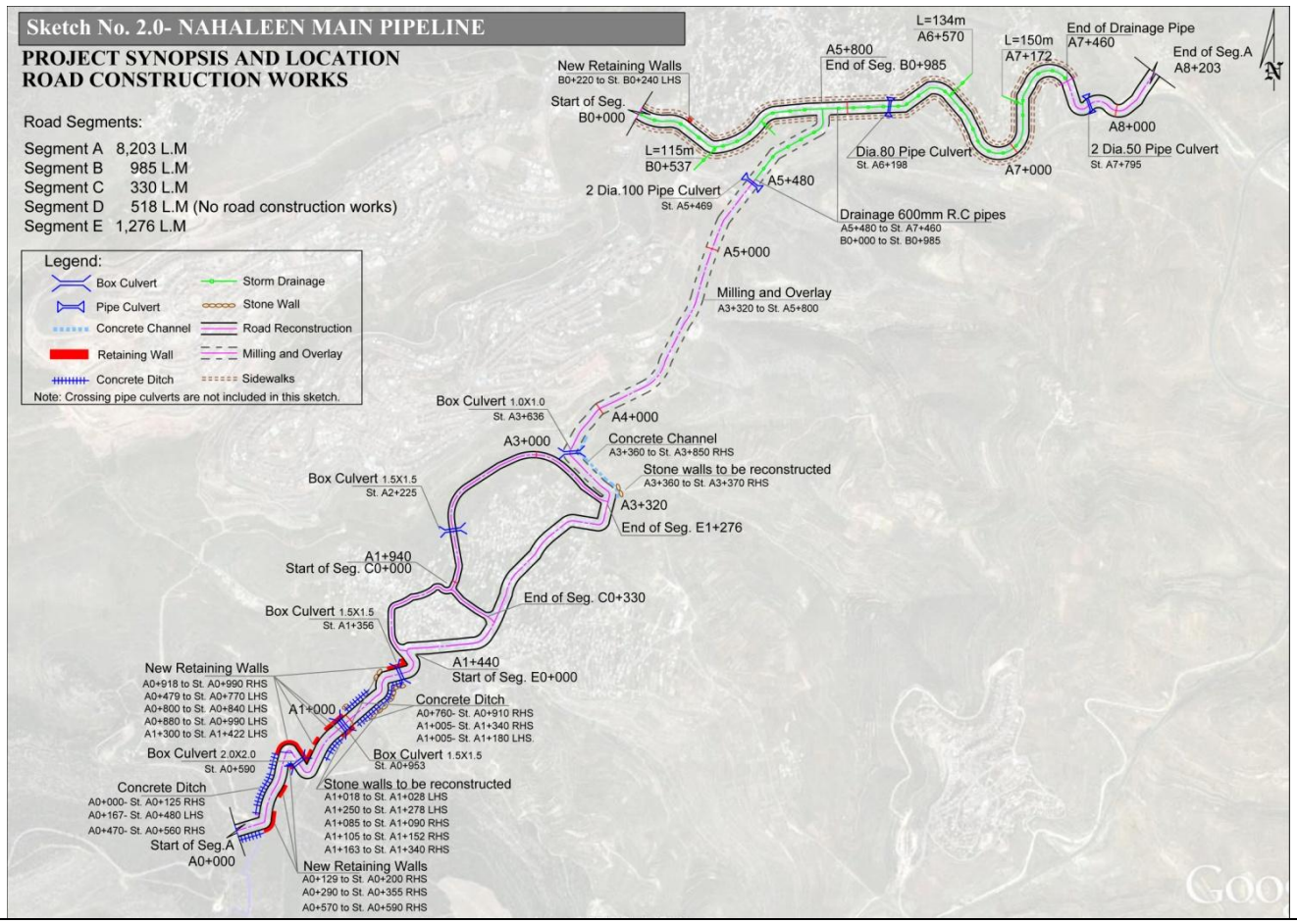

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SAFETY:

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

Toolbox Log

Date	Tool Box No.	Location	Description
June 03, 2014	007	Storage Yard	Discuss the following subjects: Safe Ladder, Personal protective equipment and clothing, hearing protection, maintained three point contact with mobile equipment, excavation requirements and trenches excavations

Figure 01-Toolbox talks during June.

ENVIRONMENTAL COMPLIANCE:

Environmental mitigation plan detailed methods that respond to special conditions and construction activities that may impact on projects surroundings was prepared and submitted to CMC. Approval on this plan was received on Jan. 07, 2014. Environmental mitigation plan measures (such as public and labors health and safety, dust control, traffic control, and other measures) were implemented during this reporting period.

TRAFFIC CONTROL MEASURES:

Conditional written approval was received from DCL on February 18, 2014 for traffic control plans in segment D, Segment A from St. 0+000 to St. 1+400 and from St. 3+330 to St. 5+800. Although verbal approval received to open Nahaleen eastern entrance and gate installed to allow passage of local traffic during day hours, the gate remained closed at direction of Israeli DCL. The contractor developed an alternate traffic plan that was approved by DCL and CMC on Feb. 20, 2014. Accordingly, contractor changed implementation method and started construction works at segment A from sta. 0+100 to sta. 1+400.

On Feb. 6th 2014 verbal approval received for (Seg. D above ground water pipe from sta. 0+000 to sta.0+515, and for Seg. A from sta. 0+000 to sta. 1+450. Traffic plan written approval received from DCL on Feb. 20th 2014 on:

- Phase II: From sta. 3+320 to sta. 5+800
- Phase IA: exposed water pipe line Seg. D
- Phase IB: Road and water pipe line works from sta. 0+000 to sta. 1+400

On May 4th 2014, DCL written approval was received for Seg. D from sta. 0+000 to sta. 0+515.

On May 4th 2014, DCL written approval was received for temporary traffic plan for Nahaleen Water line phase II (from sta. 3+320 to sta. 5+800)

Traffic plan from sta. 2+200 to sta. 3+300 was submitted and approved on May 20th 2014

Traffic plan for segment B from sta. B0+000 to sta. B0+980 was submitted to DCL proposing the use of existing roads as detours, this proposal was rejected by DCL and they requested working the segment in 2 phases (RHS and LHS), verbal Approval was obtained for Segment B temporary traffic plan from sta. 0+000 to sta. 0+980 and for segment A from sta. 5+800 to sta. 8+200 on June 28th, 2014. 13 copies were sent to ICA to obtain written approval which is not received yet.

Regarding the Nature Reserve Israeli Authority approval for Segment D, a Joint walkthrough with related Israeli Authorities was conducted on May 22, 2014, proposed works plan and schedule were discussed during this walkthrough, and verbal approval was received to continue works at the Natural reserve.

Regarding Maatz Approvals: APCO received Maatz approval for Segment D, Segment A from St. A0+000 to St. A1+400 and from St. A3+320 to St. A5+800.

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COMMUNITY OUTREACH, PUBLIC INFORMATION AND GENDER CONSIDERATION:

Coordinations with local councils, utility owners and residences were conducted during this reporting period as shown in below coordination log.

June 26, 2014 Meeting with the Assocation of the Poor Patient Representatives regarding construction activities near the association.

COORDINATION:

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

Date	Attendees	Subject	Description
June 02, 2014	USAD- Mark Peters APCO - Naim Fanoon, Najim Saymuah, Ahamad Najajrah, Mahmoud Jaradat, Jumana Zaqzaq B&V– Nimer Rjoub , Adnan Safi, Jamil Awwad WBWD- Aysar Rabaya	Bi weekly progress meeting	Discussed project progress, issues and recovery plan.
June 14, 2014	APCO- Naim Fannoon B&V- Nimer Rjoub, Jamil Awwad PalTel representative	Coordination Meeting	Work arrangement, precaution, manhole final level and main contractor maintenance period.
June 15, 2014	B&V- Adnan Joulani, Salah Tamimi APCO- Najim Saymuah Narmeen Al Bakri Amar Dwiekat Amani Krunz IRD- Public Relation Officer	Public Relation Meeting (All Task Orders)	B&V presented and introduction about USAID's communications and outreach interests and INP II communications vision and discussed the already conducted PR activities by the contractors.
June 19, 2014	APCO- Naim Fanoon B&V- Islam Qawasmeh PWA- Taher Safi Hussan Village Council representatives	Coordination Meeting and Joint Walkthrough	Joint walkthrough and meeting to determine and mark the location of house connections from Sta.B 0+000 to Sta.B 0+980
June 25, 2014	USAID Representatives B&V Representatives APCO Representatives. Subcontractors Representatives	Monthly CO Meeting	APCO Briefly presented Projects status and discussed projects progress and issues.
May 29, 2014	APCO- Naim Fanoon B&V- Nimer Rjoub Adnan Safi Hussan Village Council Representatives	Coordination meeting	APCO briefly discussed proposed work plan at segment B and the preparation for the work.

SITE VISITORS:

During this reporting period, the following visits have occurred:

Date	Company	Location	Description
Task Order 15			
June 11, 2014	USAID- Sonia Massis , Peter Riley , Sophie Taintor and Mark Peters	Nahaleen Main Pipeline Project	Site visit to follow-up work progress and introduce USAID projects in the Southern area of the West Bank.
June 19, 2014	PWA- Taher Safi Hussan Village Council representatives	Husan – Segment B	Joint walkthrough and meeting to determine and mark the location of house connections from Sta.B 0+000 to Sta.B 0+980

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

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

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PROGRESS and SCHEDULING:

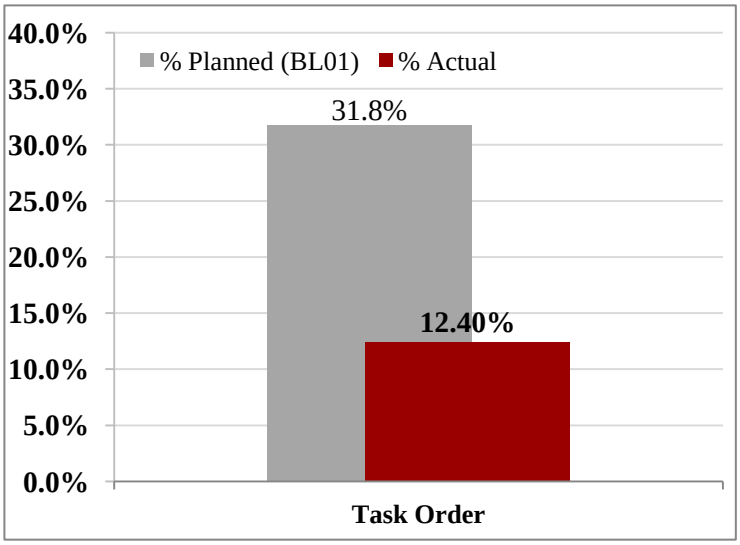
% of Completion:

- Survey	95%
- Shop drawing preparation	75%
- Excavation	72%
- Base course	01%
- Concrete Works	36%
- Installation steel pipes	19%
- Stone Wall	44%

Overall percentages of completion are :

Completion%	T.O
Planned % Baseline 01	31.8%
Actual %	12.4%
Total Float	-72

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



Nahaleen project is behind schedule due to previous months delays (late DCL approval on proposed traffic control plan, in addition absence of the CWI at site delayed the works of pipeline installation). The contractor recognizes the shortcomings and delays, accordingly APCO started to mitigate the delays and go back on track by increasing staffing and resourcing. APCO/ArCon increased working hours to 11 hours a day.
Revised recovery plan was submitted to CMC for review.
Please see project obstacles and challenges for more details.

ACTIVITIES DURING THIS REPORTING PERIOD:

- Continue survey works.
- Continue preparation and submitting of material submittals.
- Maintain implementation of traffic control plan
- Continue construction stone walls concrete protection from St.A+450 to St.0+850(90% completed)
- Delivery of (300 mm) steel pipes 1316 l.m.
- Delivery of (100 mm) steel pipes 866.2 l.m.
- Delivery of steel pipes (75 mm) 646.6 l.m.
- Excavation, bedding ,installing 2" pipe and backfill from St. A 2+260 to St.3+000 (80% completed)
- Subgrade preparation works from St. A 2+260 to St.3+300 (80% completed)
- Excavation for road widening and slope cut from St.A3+320 to St.A3+850.(50% completed)
- Continue excavation (cut/fill) from Sta.0+000 to St.1+440 (95% complete).
- Continue of retaining walls and box culvert construction at St. A 0+915 980% completed
- Completion of retaining wall construction from St. A0+129 to St. A0+200 RHS (100% Complete).
- Construction of concrete protection for the existing stone wall from St. A0+479 to St. A0+625 LHS (100% Complete).
- Continue construction of concrete protection for the existing stone wall from St. A0+614 to St. A0+772.5 LHS.
- Continue construction of concrete protection for the existing stone wall from St. A0+570 to St. A0+590 RHS (85% Complete).
- Start excavation of trench, bedding and installation of 300mm pipe line from Sta. A0+590 to St.0+900(70% Complete).
- continue excavation of trench, bedding, and installation of 250 mm steel pipes and backfill From Sta.A3+640 to Sta.A5+800 (90% Complete).
- Continue installing 2" pipe in combined trench from St. A 5+170 to St.5+500(75% completed)
- Excavation fill and installing pipe culvert at St.1+350 (90% completed)
- Start excavation for retaining walls from St.1+200 to 1+350 (80% completed)
- Sub grade work from St. A 0+80 to St.0+480 (95% completed)
- Construction of stone walls from St. A 0+950to 1+1200(80% completed)

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PLANNED ACTIVITIES FOR NEXT MONTH:

- Continue survey works.
- Continue preparation and submitting of material submittals.
- Continue delivery of steel pipes and fittings.
- Maintain implementation of traffic control plan.
- Finish excavation from Sta.0+000 to St.1+440.
- Finish construction of concrete backing for Stone walls from St. A0+865 to St. A0+930 RHS.
- Finish construction of concrete protection for the existing stone wall from St. A0+614 to St. A0+772.5 LHS.
- Finish construction of concrete protection for the existing stone wall from St. A0+570 to St. A0+590 RHS.
- Finish construction work for box culvert at Sta. A0+590.
- Start Excavation and reinforcement concrete foundation supports for main pipeline in segment D.
- Finish excavation of trench, bedding, installation of 250 mm steel pipes and backfill From St.A3+850 to St.A5+800.
- Continue Excavation for road widening and slope cut from St.A3+320 to St.A3+850.
- Continue excavation of trench, bedding, installation of 250 mm steel pipes and backfill from St.A3+320 to St.A3+850.
- Start road work storm water and pipe line for segment D from St.0+00 to St.0+330.
- Continue excavation of trench, bedding and installation of 300mm pipe line from Sta. A0+100 to St.0+600 and from St.0+900 towards St.1+360.
- Continue excavation of trench, bedding and installation of 250 mm pipe line from Sta. A3+200 to St.3+600.
- Applying base coarse layers on sub grade from St.2+260 to St.3+300.
- Asphalt from St.2+260 to St.3+300.
- Handrails for road section from St.2+260 to St.3+300.
- Continue on sub grade work from St 0+460 to St. 1 +450.
- Continue Trench re instatement from St A3+850 to St.5+800.
- Start road work from St 1+400 to St. 2+260.

Please refer to attached time schedule for more details.

INDICATOR NO. 01- Number of pipelines installed, road constructed or repaired through USG assistance:

Road Works-	
Total Road reconstruction (100% Completed)	0.00 Km
Target value	10.8 Km
Number of kilometers constructed or repaired through end of this reporting period=	**0.00** Km
Water Pipeline Works-	
Total Pipelines installed (100% Completed)	3.226 Km
Target value	16.38 Km
Number of kilometers of pipelines installed through end of this reporting period.	**3.298** Km

WORKING / NON-WORKING DAYS

1	Total Period of Performance (Original)	540
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	194
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	4
8	Accumulated non-working days (Holidays and weekends)	35
9	No. of other non-working days during this month**	0
10	Accumulated other non-working days	8

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

This indicator count only local Palestinian staff whose time is charged to the USAID activity (the Contractor at the "prime" and "first tier" subcontractor level only). Neither expatriate person days of employment (i.e. those worked by American or other Third Country National staff) nor management nor administrative person days of employment (i.e. program level and other general and administrative staff shared among multiple task orders) are included. All reported person-days are calculated based on the approved Daily Joint Reports.
Note: all numbers are rounded to the nearest integer number (man-day)

Task Order

- Target value= **25,000**
- Employment generated previously = 3,276 Person-Days (per CMC audit up to May 31, 2014)
- Employment generated this month =2,344 Person-Days (per CMC audit up to May 31, 2014)
- Total cumulative employment (Male and Female) generated to-date= **5,620** Person-Days
- Total cumulative Female employment generated previously= **257** Person-Days (per CMC audit up to May 31, 2014)
- Total Female employment generated during this reporting period= **55** Person-Days
- Total cumulative Female employment generated to-date= **312** Person-Days

Total Person Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Person Days / 23.8)
Generated previously = 3,276 Person-days	Generated previously = 138
During this reporting period = 2,344 Person-days	During this reporting period = 98
Total generated to-date = 5,620 Person-days	Total generated to-date = 236 (rounded to nearest FTE)

SITE MEMO:

- **See Appendix D** Site Memos log

PROCUREMENT:

June 22, 2014	Delivery of 12" Steel pipes	QTY 328 L.m.
June 24, 2014	Delivery of 12" Steel pipes	QTY 329.4 L.m.
June 25, 2014	Delivery of 12" Steel pipes	QTY 658.8 L.m.
June 26, 2014	Delivery of 3" Steel pipes	QTY 646.6 L.m.
	Delivery of 4" Steel pipes	QTY 866.2 L.m.

INSPECTION REQUEST:

- See **Appendix E**- Inspection request log

During this reporting period **130** inspection requests were issued and/or closed as follow:

NHT	**No. of IRs**	**No. Reviewed**	**No. Pending**	**% No Exception Noted**	**% Make Corrections Noted**	**% Amend-Resubmit**	**% Rejected-Resubmit**
No.	130	125	5	117	0	7	1
%		96.2%	3.8%	90.0%	0.0%	5.4%	0.8%

Non Compliance Report Log - NCR -

No NCR's were issued during this reporting period.

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QUALITY CONTROL AND TEST RESULTS:

During this reporting period **60** Test Reports were issued and/or closed as follow:

NHT	No. of Tests	No. Reviewed	No. Pending	% No Exception Noted	% Make Corrections Noted	% Amend-Resubmit	% Rejected-Resubmit	% Review Not Required
No.	60	60	0	60	0	0	0	0
%		100%	0.0%	100%	0.0%	0.0%	0.0%	0.0%

Tests Log summary table up to this reporting period

Material Description	Test description	Number of tests	Pass	Fail	Notes (Action taken for failed tests)
Soil under R.W Foundation	Bearing Capacity	2	2	0	
Soil/ Benching	Slope Stability	1	1	-	
	Field Density Test	21	19	1	Re-compacted and re-tested. One test result returned as E (Review not required) since the same report was submitted twice
	Classification	1	1	0	
	Modified Proctor	4	4	0	
Concrete	Compressive Strength	54	53	1	One test report was rejected.
Reinforcement Steel		1	1	0	
Basecourse	Comprehensive Test	1	1	0	
Bedding and Backfilling	Sieve amylases	8	8	0	

SUBMITTALS:

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

No. of submittals submitted and/or closed during this reporting period:

NHT	No. of SUB	No. Reviewed	No. Pending	% No Exception Noted	% Make Corrections Noted	% Amend-Resubmit	% Rejected-Resubmit	% Review Not required
No.	24	17	7	0	9	6	1	1
%		70.8%	29.2%	0.0%	37.5%	25.0%	4.2%	4.2%

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
June 02, 2014	By Email	USAID/ APCO/ArCon	Re: TO#15 NHT project starting 10" pipe
June 02, 2014	By Email	USAID/ APCO/ArCon	CO Meeting requests
June 03, 2014	By Email	USAID/ APCO/ArCon	Notification
June 03, 2014	By Email	APCO/ArCon/ USAID	RE: Notification
June 04, 2014	By Email	APCO/ArCon/ USAID	CWI Training
June 05, 2014	By Email	APCO/ArCon/ USAID	T.O 15- May 2014 - Monthly Report- Draft
June 05, 2014	By Email	APCO/ArCon/ USAID	T.O 15- April 2014 - Monthly Report- COR Approval

Date	Contractor Trans. No.	Sender/Recipient	Subject
June 06, 2014	By Email	USAID/ APCO/ArCon	Re: CWI Training
June 06, 2014	By Email	APCO/ArCon/ USAID	RE: CWI Training
June 06, 2014	By Email	USAID/ APCO/ArCon	Re: T.O 15- April 2014 - Monthly Report- Modified
June 06, 2014	By Email	APCO/ArCon/ USAID	RE: T.O 15- April 2014 - Monthly Report- Modified
June 06, 2014	By Email	USAID/ APCO/ArCon	Re: T.O 15- April 2014 - Monthly Report- Modified
June 11, 2014	By Email	APCO/ArCon/ USAID	Today's Visit
June 11, 2014	By Email	USAID/ APCO/ArCon	Re: Notification
June 11, 2014	By Email	USAID/ APCO/ArCon	Re: Today's Visit
June 11, 2014	By Email	APCO/ArCon/ USAID	RE: Notification- recovery Plan TO#15
June 12, 2014	By Email	USAID/ APCO/ArCon	Re: Notification- recovery Plan TO#15
June 12, 2014	By Email	USAID/ APCO/ArCon	Re: Notification- recovery Plan TO#15
June 12, 2014	By Email	APCO/ArCon/ USAID	RE: Notification- recovery Plan TO#15
June 13, 2014	By Email	USAID/ APCO/ArCon	Request for clarification on CWI request - if any.
June 13, 2014	By Email	USAID/ APCO/ArCon	Re: Stone Walls all TOs
June 15, 2014	By Email	APCO/ArCon/ USAID	RE: Request for clarification on CWI request – if any.
June 15, 2014	By Email	USAID/ APCO/ArCon	Re: security Situation
June 16, 2014	By Email	USAID/ APCO/ArCon	Please call when you are available
June 16, 2014	By Email	APCO/ArCon/ USAID	Reminder: T.O 15- May 2014 – Monthly Report- COR Comments
June 17, 2014	By Email	USAID/ APCO/ArCon	Request for Accrual information TO 00015 Nahaleen Pipeline Project
June 17, 2014	By Email	APCO/ArCon/ USAID	RE: Request for Accrual information TO 00015 Nahaleen Pipeline Project
June 17, 2014	By Email	USAID/ APCO/ArCon	Security reports
June 17, 2014	By Email	APCO/ArCon/ USAID	FW: TO#15 NHT project Statistics for daily activities , manpower and equipment
June 18, 2014	By Email	APCO/ArCon/ USAID	Message from DCL Ramallah
June 18, 2014	By Email	USAID/ APCO/ArCon	Re: Message from DCL Ramallah
June 22, 2014	By Email	APCO/ArCon/ USAID	Reminder: T.O 15- May 2014 – Monthly Report- COR Comments
June 23, 2014	By Email	USAID/ APCO/ArCon	Re: Monthly Contracting Officer's Meeting
June 23, 2014	By Email	USAID/ APCO/ArCon	Re: TO#15 - Israeli Army
June 23, 2014	By Email	APCO/ArCon/ USAID	RE: TO#15 - Israeli Army
June 26, 2014	By Email	APCO/ArCon/ USAID	Reminder: T.O 15- May 2014 - Monthly Report- COR Comments
June 30, 2014	By Email	USAID/ APCO/ArCon	Re: T.O 15- May 2014 - Monthly Report- Draft

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
June 01, 2014	By Email	B&V/ APCO/ArCon	RE: Aggregate filled Bags as Barriers
June 02, 2014	By Email	B&V/ APCO/ArCon	RE: All Task Orders: Traffic Plan Status Update
June 03, 2014	By Email	B&V/ APCO/ArCon	RE: All Task Orders: Traffic Plan Status Update
June 03, 2014	By Email	B&V/ APCO/ArCon	RE: TO#15 NHT using of mini steel guard instead of concrete barriers in pipe line work
June 03, 2014	By Email	B&V/ APCO/ArCon	Introduction, INP II Communications Vision
June 04, 2014	By Email	B&V/ APCO/ArCon	RE: Welder Qualifications
June 04, 2014	By Email	APCO/ArCon/ B&V	Nahaleen, Dura
June 04, 2014	By Email	B&V/ APCO/ArCon	Works in Area C at Nahaleen
June 04, 2014	By Email	B&V/ APCO/ArCon	RE: Nahaleen, Dura
June 05, 2014	By Email	APCO/ArCon/ B&V	May 2014- Geo-MIS Data

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Date	Contractor Trans. No.	Sender/Recipient	Subject
June 08, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: Draft MOM #09
June 08, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: Stone Wall Mockup Sample - Poor Quality
June 08, 2014	By Email	APCO/ArCon/ B&V	RE: Nahaleen, Dura
June 09, 2014	By Email	APCO/ArCon/ B&V	RE: Introduction, INP II Communications Vision
June 10, 2014	By Email	B&V/ APCO/ArCon	RE: Introduction, INP II Communications Vision
June 10, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: Final MOM #09
June 11, 2014	By Email	APCO/ArCon/ B&V	Stone Walls all TOs
June 12, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: 2" Pipeline
June 12, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: 2" Pipeline
June 12, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 12, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 12, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015 NHT: 2" Pipeline
June 14, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: Equipment license and certificates
June 14, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015 NHT: Equipment license and certificates
June 14, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: Equipment license and certificates
June 15, 2014	By Email	B&V/ APCO/ArCon	FW: TO 13-00015 NHT: SM-13-00015-NHT-C-E-004
June 16, 2014	By Email	APCO/ArCon/ B&V	TO#15 Retract and replacing of SM-1300015-NHT-C-E 004
June 16, 2014	By Email	APCO/ArCon/ B&V	FW: HUSSAN Temporary Traffic Plan
June 17, 2014	By Email	B&V/ APCO/ArCon	RE: Notification- recovery Plan TO#15
June 17, 2014	By Email	B&V/ APCO/ArCon	RE: Work in-and - Changes in Area C
June 17, 2014	By Email	B&V/ APCO/ArCon	RE: Stone Walls all TOs
June 17, 2014	By Email	B&V/ APCO/ArCon	RE: All Task Orders: Traffic Plan Status Update
June 18, 2014	By Email	APCO/ArCon/ B&V	TO#15 NHT Evacuation of the site by Israeli army (segment A from St. A 0+00 to St.1+450)
June 18, 2014	By Email	APCO/ArCon/ B&V	Message from DCL Ramallah
June 19, 2014	By Email	APCO/ArCon/ B&V	Radio graphic test for 10" steel pipe
June 23, 2014	By Email	APCO/ArCon/ B&V	TO#15 - Israeli Army
June 23, 2014	By Email	APCO/ArCon/ B&V	RE: Husan Temporary Traffic Plan
June 23, 2014	By Email	B&V/ APCO/ArCon	RE: Husan Temporary Traffic Plan
June 23, 2014	By Email	B&V/ APCO/ArCon	CO Monthly Meeting: Percentages of Completion for APCO
June 24, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 24, 2014	By Email	APCO/ArCon/ B&V	RE: CO Monthly Meeting: Percentages of Completion for APCO
June 24, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 24, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 24, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015: Stone Wall Mockup Sample - Poor Quality
June 26, 2014	By Email	B&V/ APCO/ArCon	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 26, 2014	By Email	APCO/ArCon/ B&V	RE: TO 13-00015 NHT: Traffic Control Plan for segment A & B
June 28, 2014	By Email	B&V/ APCO/ArCon	RE: Husan Temporary Traffic Plan
June 28, 2014	By Email	APCO/ArCon/ B&V	RE: Husan Temporary Traffic Plan
June 28, 2014	By Email	B&V/ APCO/ArCon	TO 13-00015 NHT: RE: Husan Temporary Traffic Plan
June 29, 2014	By Email	APCO/ArCon/ B&V	Final Control Valves Lists

PAYMENTS:

Voucher Number	Submitted Date	Amount	Retention Amount	Amount Received	Date Received
01	January 21, 2014	$ 420,348.25	$0.00	$ 420,348.25	January 31, 2014
02	April 16, 2014	$ 196,557.35	$0.00	$ 196,557.35	May 07, 2014
03	May 26, 2014	$ 80,563.73	$0.00	$ 80,563.73	June 10, 2014
04	June 23, 2014	$ 307,982.25	$0.00	Not received yet	
Total		**$1,005,451.58**	**$0.00**	**$ 697,469.33**	
APCO/ArCon total accrued expenditures		**$841,085.98**			

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VARIATION ORDERS

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

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

VARIATION ORDER REQUESTS:

VOR No.	DESCRIPTION	Date Sent to B&V	Variation order Amount	Time Ex.
01	Concrete New jersey Barrier vs. Steel Barrier	June 02, 2014	$0.00 Approved	00 Days

OBSTACLES AND CHALLENGES

Issue	Action
DCL approval for segment B traffic plan from St. B0+000 to St. B0+980 and segment A from St.A5+800 to St.A8+200	A proposed traffic plan was submitted to DCL utilizing existing roads as detours, this proposal was rejected by DCL and they requested working the segment in 2 phases (RHS and LHS), APCO submitted modified traffic plan and verbal approval was received on June 28, 2014. 13 copies were sent to ICA to obtain written approval.
The security situation during June caused slow down in work progress as our staff moved and worked under difficult movement restrictions. Travel and movement have been restricted either by the Army or by settler activities. On June 22, 2014 we received a massage from Bethlehem DCL that IDF forces will have tours and searching in the area of Nahaleen during the day. On June 23, 2014 Israeli Army established a check point within the construction zone at St.0+1000 and also at St.0+000 where they control entry and exit to the site. The Army did not stop the work and didn't question construction force. Our staff took pictures but were ordered to delete them. The situation was obviously not comfortable to anyone onsite	Intensive coordination with Bethlehem DCL, BV and USAID was conducted. Clear instructions were given to our staff and subcontractor's staff that their safety and wellbeing of all on the site comes first, even if works stopped. On June 15, 2014 all field staff were instructed to "finish up" what they were doing as soon as possible, stop all work and send everyone home during daylight.

USAID | WEST BANK/GAZA

PROGRESS PHOTOS:

Segment A: 10" water pipeline excavations from Sta. A3+850 to Sta. A5+700

Segment A: Box Culvert and Retaining Wall Constructions at Sta. A0+951, Stone Wall Concrete Protections from Sta. A0+614 to Sta. A0+880 (LHS), 12" Water Pipe Line Excavation From Sta. A0+800 to Sta. A0+900 and Stone Wall Constructions from Sta. A0+970 to sta. A1+320 (LHS & RHS).

Segment A: 10" Water Pipe Installations and inspection of welded joints.

Segment A: Casting Concrete For Retaining Wall Foundations from Sta. A0+930 to Sta. A0+970 (RHS)

Segment A: Backfilling Layers Behind R. Wall and Subgrade preparation from Sta. A0+125 to Sta. A0+205. (RHS)

Segment A: Compacting Base Course Layer for Road Widening from Sta. A3+850 To Sta. A5+700 (RHS)

A | Materials- Equipments Receiving Log

Project: Nahaleen Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Equipment receiving log/June, 2014

Date	Grader CAT		Bob Cat		Wheel roller		Wheel Loader		Wheel Excavator		Backhoe, JCB		Welding Machine		Truck, Mercedes		Truck DAF		Trailer		Truck ,valavo		WATER TANK		Milling machine		crusher		Asphalt Steel Roller		chain loader		chain excavator		plate Compactor		lorry, Marcedes (Beze 519),2012		concrete pump		concrete mixer		Crane machine		Asphalt Cutting Machine		Steel Roller	
	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	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle
1-Jun		1		1		1		1		2	1	1			1						1		1										1						1		2							
2-Jun		1	1			1	1		2		2				1						1		1									1	1						1		3							
3-Jun		1	1			1	1		2		2				1						1		1									1	1						1		3		1					
4-Jun		1	1		1		1		2		3				3						1		1									1	1						1		3		1					1
5-Jun		1	1		1		1		2		2	1			2								1									1							1		3		1					1
6-Jun		1		1		1		1		2		3				2								1										1										1				1
7-Jun		1	1		1		1		2		2	1			2		1				1		1									1	1						1		3		1					1
8-Jun		1	1		1		1		2		4				2		1				1		1									1	2						1		3		1					1
9-Jun		1	1		1		1		2		3				3		1				1		1										2		1				1		2		1					1
10-Jun	1		2		1		1		2		3	1			3		1				1		1										4						1		8		1					1
11-Jun	1		2		1		2		2		4				3		1				1		1										4										1					1
12-Jun	1		2		1		2		2		2	1			4		1				2		1										4						1		1		1				1	1
13-Jun		1		2		1		2		2		3				4		1				2		1										4										1				1
14-Jun	1		2		1		2		2		3				4		1				2		1										4						1		3							2
15-Jun	1		2		1		2		2		3		1		4		1				3		2										3		1				1		2		1				1	1
16-Jun	1		2		1		2		2		4		1		4		1				2		1										4		1				1		7		1				1	1
17-Jun	1		3		1		2		1	1	3				4		1				2		1										4								2			1				1
18-Jun	1		1			1	1	1	2		3	1	1		3		1				2		1										3		1								1				1	1
19-Jun	1		2		1		2		2		3	1	1		4		1				2		1										3		1				1		2		1				1	1
20-Jun		1		2		1		2		2		4		1		4		1				2		1										2		1								1				2
21-Jun	1		2		1		2		1	1	3	1	1		4		1				2		1										2	1	1				1		4		1				1	1
22-Jun	1		2		1		2		1	1	3	1	1		2	2	1		1		2		1										4		1				1		5		1				1	1
23-Jun	1		1		1		2		1	1	3	1			3		1		1		2		2										3	1					1		4		1				1	1
24-Jun	1		1		1		2		2		3		1		4		3		1		2		1										3	1	1								2					2
25-Jun	1		1		1		2		2		3	1	2		4		3		1		2		1										3	1	2				1		4		3					2
26-Jun	1		1		1		2		2		3		2		4		2		1		2		1										2		1								3					
27-Jun		1		1		1		1		2		3		2		2		1		1		2		1											2		1								2				
28-Jun	1		1		1		2		2		3		2		3		1						1										1	1	1				1		10		2					
29-Jun	1		1		1		2		2		3		1		3		1						1										2		1								1					
30-Jun	1		1		1		2		1	1	3		1		3			1					1											1	1								1					

Project: Nahaleen Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Materials Receiving Log/June 2014

Date	Material Delivered to Site	Quantity
1-Jun	Concrete B 250	13.5 m3
	Single size	60 ton
2-Jun	Concrete B 250	19.5 m3
	Single size	90 ton
	Somsom	90 ton
3-Jun	Concrete B 250	24.0 m3
	Concrete B 150	4.00 m3
	Reinforcement Steel	20 ton
4-Jun	Concrete B 250	22.5 m3
	Somsom	30 ton
5-Jun	Cocnrete B 250	21.0 m3
6-Jun		
7-Jun	Concrete B 250	9.0 m3
	Concrete B 150	17 m3
8-Jun	Concrete B 250	16.5 m3
9-Jun	Concrete B 250	13.00 m3
10-Jun	Concrete B 250	72.00 m3
11-Jun		
12-Jun	Concrete B 250	5.5 m3
	Base Course	150 ton
	Bedding Material	200 ton
	Single size	200 ton
13-Jun		
14-Jun	Concrete B 250	18.0 m3
	Bedding Material	90 ton
	Single size	90 ton
15-Jun	Cocnrete B 250	16.0 m3
16-Jun	Cocnrete B 250	45.0 m3
	Cocnrete B 250	11.0 m3
17-Jun	Concrete B 250	11.0 m3
	Bedding Material	150 ton
	Single size	150 ton
18-Jun	Single size	90.0 m3
	Bedding Material	90.0 m3
19-Jun		
20-Jun		

Project: Nahaleen Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Materials Receiving Log/June 2014

Date	Material Delivered to Site	Quantity
21-Jun	Single size	39.0 ton
	Bedding Material	90.0 ton
	Base Course	30.0 ton
	Concrete B 250	32 m3
22-Jun	Single size	90.0 ton
	Bedding Material	190.0 ton
	Base Course	120 ton
	Concrete B 250	44.0 m3
	Pipe Culvert	22 LM
	12 inch water pipeline	27 pipes
	Hot Mix Asphalt	20 ton
23-Jun	Single size	90.0 ton
	Bedding Material	150.0 ton
	Concrete B 250	36.0 m3
	Pipe Culvert	20 LM
24-Jun	Single size	120 ton
	Bedding Material	90.0 ton
	12 inch water pipeline	27 pipes
	12 inch shrinkable sheet	27 piece
25-Jun	Single size	180 ton
	Bedding Material	150 ton
	12 inch water pipeline	54 piece
	Concrete B 250	31.5 m3
26-Jun	4 inch water pipeline	866.2 m
	4 inch shrinkable sheet	61 piece
	3 inch water pipeline	646.6 m
	3 inch shrinkable sheet	50 piece
	Sngle size	150 ton
	Bedding Material	180 ton
27-Jun		
28-Jun	Concrete B 250	84 m3
29-Jun	Single size	90.0 ton
	Bedding Material	90.0 ton
30-Jun	Single size	90 ton
	Bedding Material	90 ton

B | Detailed Time Schedule for the Project

APCO/ArCon CONSTRUCTION AND SERVICES

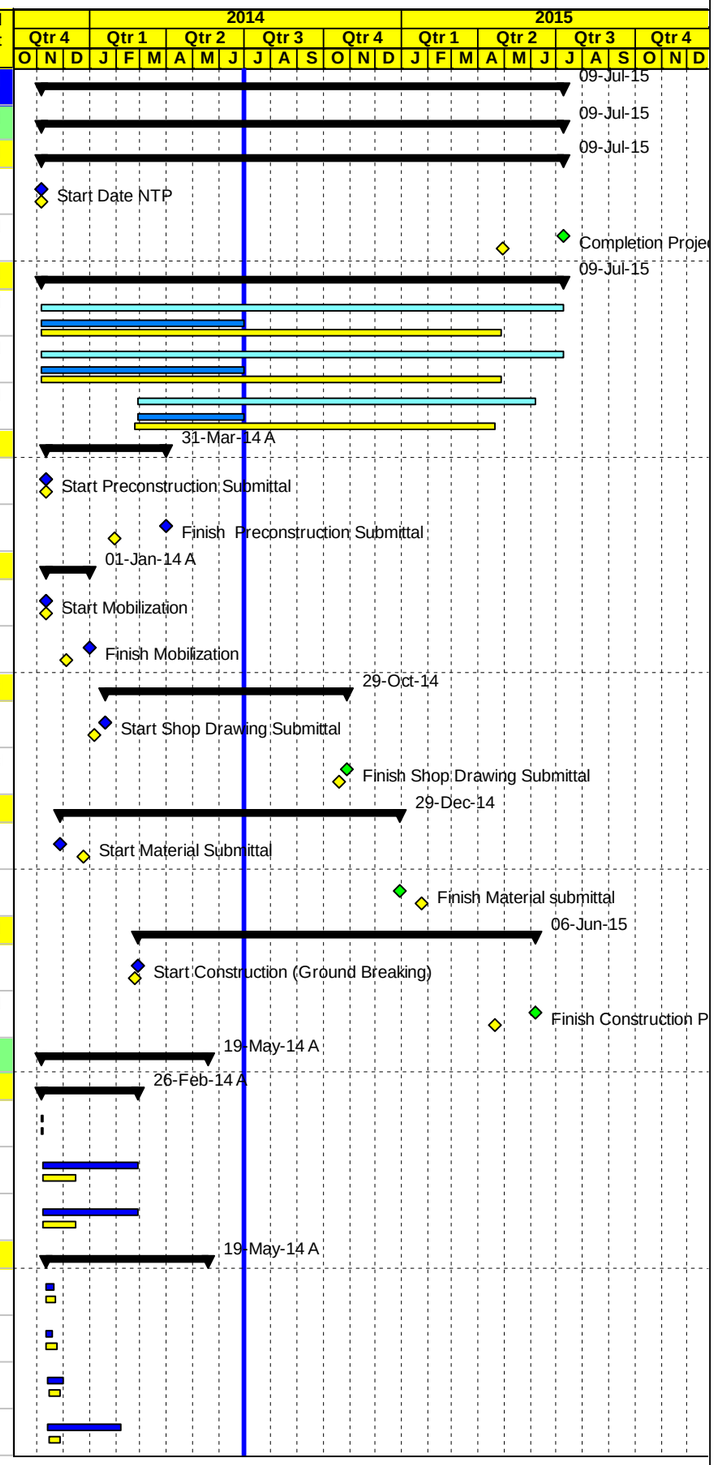
Updated Construction Program

June 30, 2014

TO15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
Nahaleen Main Pipeline Project		611d		374d	06-Nov-13	29-Apr-15	06-Nov-13 A	09-Jul-15	-72d
Milestones		611d		374d	06-Nov-13	29-Apr-15	06-Nov-13 A	09-Jul-15	-72d
General Milestones		611d		0d	06-Nov-13	29-Apr-15	06-Nov-13 A	09-Jul-15	-72d
NHT0000	Start Date NTP	0d	100%	0d	06-Nov-13		06-Nov-13 A		
NHT0010	Completion Project	0d	0%	0d		29-Apr-15		09-Jul-15	-72d
Task order Duration		539d		374d	06-Nov-13	28-Apr-15	06-Nov-13 A	09-Jul-15	-72d
NHT0020	Project Duration (Calendar Days)	539d	30.65%	374d	06-Nov-13	28-Apr-15	06-Nov-13 A	09-Jul-15	-72d
NHT0030	Project Duration (Working Days)	415d	30.14%	290d	06-Nov-13	28-Apr-15	06-Nov-13 A	09-Jul-15	-62d
NHT0040	Construction Duration (Working Days)	326d	19.98%	261d	23-Feb-14	19-Apr-15	26-Feb-14 A	06-Jun-15	-41d
Pre Construction Milestones		101d		0d	10-Nov-13	30-Jan-14	10-Nov-13 A	31-Mar-14 A	
NHT0050	Start Preconstruction Submittal	0d	100%	0d	10-Nov-13		10-Nov-13 A		
NHT0060	Finish Preconstruction Submittal	0d	100%	0d		30-Jan-14		31-Mar-14 A	
Mobilization Milestones		20d		0d	10-Nov-13	04-Dec-13	11-Nov-13 A	01-Jan-14 A	
NHT0070	Start Mobilization	0d	100%	0d	10-Nov-13		11-Nov-13 A		
NHT0080	Finish Mobilization	0d	100%	0d		04-Dec-13		01-Jan-14 A	
Shop Drawing Milestones		230d		0d	06-Jan-14	19-Oct-14	20-Jan-14 A	29-Oct-14	141d
NHT0090	Start Shop Drawing Submittal	0d	100%	0d	06-Jan-14		20-Jan-14 A		
NHT0100	Finish Shop Drawing Submittal	0d	0%	0d		19-Oct-14		29-Oct-14	141d
Material Milestones		282d		0d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
NHT0110	Start Material Submittal	0d	100%	0d	24-Dec-13		28-Nov-13 A		
NHT0120	Finish Material submittal	0d	0%	0d		25-Jan-15		29-Dec-14	96d
Construction Milestones		366d		0d	23-Feb-14	19-Apr-15	26-Feb-14 A	06-Jun-15	-41d
NHT0130	Start Construction (Ground Breaking)	0d	100%	0d	23-Feb-14		26-Feb-14 A		
NHT0140	Finish Construction Phase	0d	0%	0d		19-Apr-15		06-Jun-15	-41d
Pre Construction Phase		190d		0d	06-Nov-13	30-Jan-14	06-Nov-13 A	19-May-14 A	
Conformed Drawings and Coordination		41d		0d	06-Nov-13	16-Dec-13	06-Nov-13 A	26-Feb-14 A	
NHT0145	Final for Construction Drawing (Conformed)	1d	100%	0d	06-Nov-13	06-Nov-13	06-Nov-13 A	06-Nov-13 A	
NHT0155	Coordination with local Authorities before Construction	40d	100%	0d	07-Nov-13	16-Dec-13	07-Nov-13 A	26-Feb-14 A	
NHT0150	Coordination with Israeli authorities for approval and permit area C	40d	100%	0d	07-Nov-13	16-Dec-13	07-Nov-13 A	26-Feb-14 A	
Pre Construction Submittals		135d		0d	10-Nov-13	30-Jan-14	10-Nov-13 A	19-May-14 A	
NHT0160	Schedule for Pre Construction Submittals & Mobilization	10d	100%	0d	10-Nov-13	21-Nov-13	10-Nov-13 A	20-Nov-13 A	
NHT0170	Bank Guarantee Certificates	10d	100%	0d	10-Nov-13	24-Nov-13	10-Nov-13 A	19-Nov-13 A	
NHT0190	Field Offices Location & Layout	10d	100%	0d	14-Nov-13	27-Nov-13	13-Nov-13 A	01-Dec-13 A	
NHT0200	Field Offices Furniture & Equipment Plan	10d	100%	0d	14-Nov-13	27-Nov-13	13-Nov-13 A	06-Feb-14 A	



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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Date	Revision	Checked	Approved
03-Jul-14			

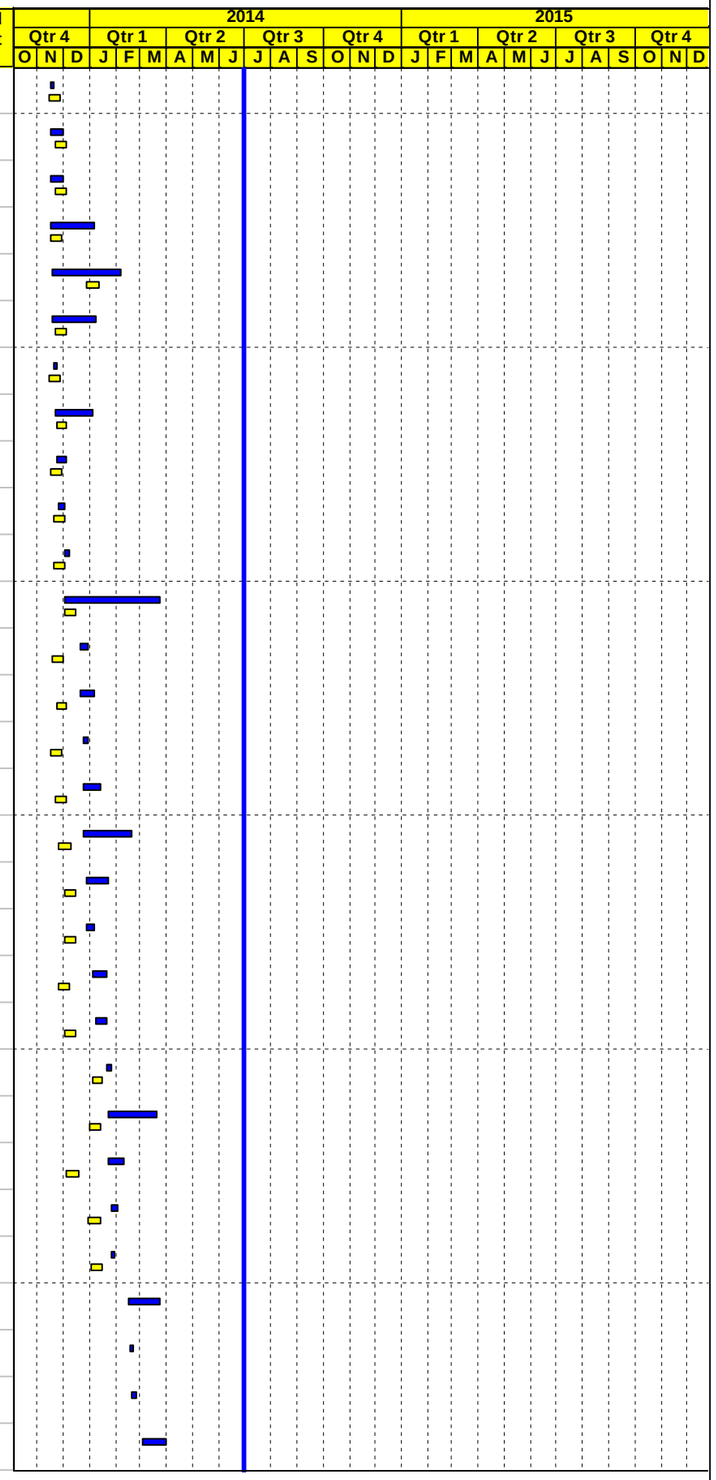
APCO ArCon
CONSTRUCTION AND SERVICES

Updated Construction Program

June 30, 2014

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT0210	Scheduling Qualification Submittals	10d	100%	0d	14-Nov-13	27-Nov-13	17-Nov-13 A	20-Nov-13 A	
NHT0290	60-Day Plan of Operation	10d	100%	0d	21-Nov-13	04-Dec-13	17-Nov-13 A	01-Dec-13 A	
NHT0300	Project Overview Bar Chart	10d	100%	0d	21-Nov-13	04-Dec-13	17-Nov-13 A	01-Dec-13 A	
NHT0240	Submittals Schedule	10d	100%	0d	17-Nov-13	28-Nov-13	17-Nov-13 A	07-Jan-14 A	
NHT0410	Trench safety plan	10d	100%	0d	29-Dec-13	12-Jan-14	19-Nov-13 A	06-Feb-14 A	
NHT0280	Safety Plan	10d	100%	0d	21-Nov-13	04-Dec-13	19-Nov-13 A	09-Jan-14 A	
NHT0180	Testing Lab	10d	100%	0d	14-Nov-13	27-Nov-13	20-Nov-13 A	24-Nov-13 A	
NHT0330	Risk Management Plan	10d	100%	0d	24-Nov-13	05-Dec-13	22-Nov-13 A	05-Jan-14 A	
NHT0230	Insurances	10d	100%	0d	17-Nov-13	28-Nov-13	24-Nov-13 A	05-Dec-13 A	
NHT0260	Coordination with local Authorities Plan including list of permits & and licenses	10d	100%	0d	20-Nov-13	03-Dec-13	26-Nov-13 A	03-Dec-13 A	
NHT0265	Temporary and Permanent Project Sign Plan	10d	100%	0d	20-Nov-13	03-Dec-13	03-Dec-13 A	09-Dec-13 A	
NHT0390	CPM-Construction Schedule and S-Curve	10d	100%	0d	03-Dec-13	16-Dec-13	03-Dec-13 A	24-Mar-14 A	
NHT0250	Subcontractors' profile	10d	100%	0d	18-Nov-13	01-Dec-13	22-Dec-13 A	30-Dec-13 A	
NHT0320	Dilapidation Survey	10d	100%	0d	24-Nov-13	05-Dec-13	22-Dec-13 A	07-Jan-14 A	
NHT0220	Key Personnel Plan	10d	100%	0d	17-Nov-13	28-Nov-13	25-Dec-13 A	30-Dec-13 A	
NHT0270	QCP-Quality Control Program	10d	100%	0d	21-Nov-13	04-Dec-13	25-Dec-13 A	14-Jan-14 A	
NHT0350	USAID Branding Plan	10d	100%	0d	26-Nov-13	09-Dec-13	25-Dec-13 A	20-Feb-14 A	
NHT0370	Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys.,&R. mark	10d	100%	0d	03-Dec-13	16-Dec-13	29-Dec-13 A	23-Jan-14 A	
NHT0380	Environmental Mitigation Plan	10d	100%	0d	03-Dec-13	16-Dec-13	29-Dec-13 A	07-Jan-14 A	
NHT0340	Existing Survey Plan	10d	100%	0d	25-Nov-13	08-Dec-13	05-Jan-14 A	21-Jan-14 A	
NHT0360	Material Staging ,Storage and dumping Areas Plan	10d	100%	0d	02-Dec-13	15-Dec-13	09-Jan-14 A	21-Jan-14 A	
NHT0450	Welder Qualification procedure	10d	100%	0d	05-Jan-14	16-Jan-14	21-Jan-14 A	26-Jan-14 A	
NHT0430	Welding procedure	10d	100%	0d	31-Dec-13	14-Jan-14	23-Jan-14 A	20-Mar-14 A	
NHT0400	Traffic Control Plan Phase IA	10d	100%	0d	05-Dec-13	18-Dec-13	23-Jan-14 A	10-Feb-14 A	
NHT0420	Public relation plan	10d	100%	0d	30-Dec-13	13-Jan-14	27-Jan-14 A	03-Feb-14 A	
NHT0440	Third party testing lab	10d	100%	0d	02-Jan-14	15-Jan-14	27-Jan-14 A	30-Jan-14 A	
NHT0402-NEW	Traffic Control Plan - Phase 1B	10d	100%	0d			16-Feb-14 A	25-Mar-14 A	
NHT0401-NEW	Traffic Control Plan Phase II	10d	100%	0d			17-Feb-14 A	22-Feb-14 A	
NHT0431-NEW	3 inch Procedure Qualification Record(PQR)	10d	100%	0d			20-Feb-14 A	24-Feb-14 A	
NHT0436-NEW	Radiographic Testing Safety Plan	10d	100%	0d			04-Mar-14 A	31-Mar-14 A	



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

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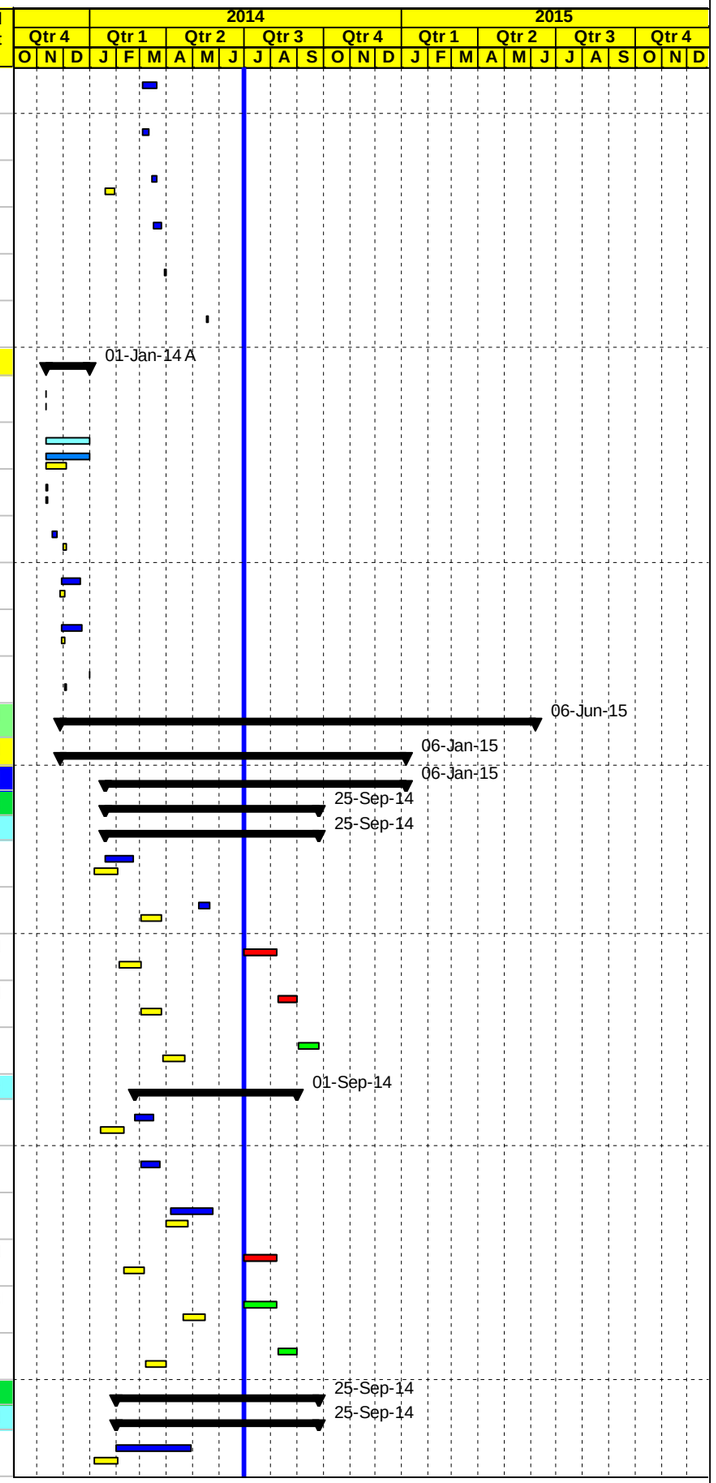
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT0432-NEW	6 inch and over Procedure Qualification Recored (PQR)	10d	100%	0d			05-Mar-14 A	20-Mar-14 A	
NHT0433-NEW	8-12 inch Procedure Qualification Record (PQR)	10d	100%	0d			05-Mar-14 A	12-Mar-14 A	
NHT0455	R.T. testing agency qualifications	10d	100%	0d	19-Jan-14	30-Jan-14	15-Mar-14 A	20-Mar-14 A	
NHT0435-NEW	Stockpile area for excavated material	10d	100%	0d			17-Mar-14 A	27-Mar-14 A	
NHT0434-NEW	Welders Performance Qualification Certificates	10d	100%	0d			29-Mar-14 A	31-Mar-14 A	
NHT0500-NEW	Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A	10d	100%	0d			18-May-14 A	19-May-14 A	
Mobilization		21d		0d	10-Nov-13	04-Dec-13	11-Nov-13 A	01-Jan-14 A	
NHT0500	Site Hand Over	1d	100%	0d	11-Nov-13	11-Nov-13	11-Nov-13 A	11-Nov-13 A	
NHT0480	Mobilization Total Cost (4.0%)	21d	100%	0d	10-Nov-13	04-Dec-13	11-Nov-13 A	01-Jan-14 A	
NHT0510	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	
NHT0540	Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials)	3d	100%	0d	01-Dec-13	04-Dec-13	19-Nov-13 A	23-Nov-13 A	
NHT0520	Supply and install Office Furniture's and Supplies	4d	100%	0d	27-Nov-13	02-Dec-13	30-Nov-13 A	22-Dec-13 A	
NHT0530	Supply and install Office IT Equipments & Applience	4d	100%	0d	28-Nov-13	03-Dec-13	30-Nov-13 A	22-Dec-13 A	
NHT0550	Install Temporary Project Sign	1d	100%	0d	03-Dec-13	04-Dec-13	01-Jan-14 A	01-Jan-14 A	
Construction Phase		578d		341d	24-Dec-13	21-Apr-15	28-Nov-13 A	06-Jun-15	-39d
Construction Submittals		427d		190d	24-Dec-13	25-Jan-15	28-Nov-13 A	06-Jan-15	112d
Shop Drawing Submittals		427d		190d	06-Jan-14	19-Oct-14	20-Jan-14 A	06-Jan-15	112d
Plan Profile and Cross Sections		250d		63d	06-Jan-14	15-May-14	20-Jan-14 A	25-Sep-14	141d
Plan Profile and Cross Sections for Group One		206d		63d	06-Jan-14	21-Apr-14	20-Jan-14 A	25-Sep-14	13d
NHT0590	SEG.A From Sta.0+000 Ato Sta.1+440	21d	100%	0d	06-Jan-14	03-Feb-14	20-Jan-14 A	22-Feb-14 A	
NHT0610	SEG.A From Sta. 2+250 to Sta.A3+330	21d	100%	0d	02-Mar-14	26-Mar-14	08-May-14 A	21-May-14 A	
NHT0600	SEG.A From Sta.-A1+500 to A2+250	21d	0%	21d	04-Feb-14	01-Mar-14	01-Jul-14	07-Aug-14	-41d
NHT0620	Seg.C From sta.C0+000 to C0+330	21d	0%	21d	02-Mar-14	26-Mar-14	09-Aug-14	01-Sep-14	-41d
NHT0630	Design and shop drawing for SEG. E From Sta. E0+000 to Sta.E1+276	21d	0%	21d	27-Mar-14	21-Apr-14	02-Sep-14	25-Sep-14	13d
Plan Profile and Cross Sections for Group Two		229d		42d	13-Jan-14	15-May-14	24-Feb-14 A	01-Sep-14	162d
NHT0650	SEG.A From Sta.A3+850to Sta.A5+700	21d	100%	0d	13-Jan-14	09-Feb-14	24-Feb-14 A	17-Mar-14 A	
NHT0651-NEW	SEG.A From Sta.3+330 to Sta.3+850	21d	100%	0d			03-Mar-14 A	25-Mar-14 A	
NHT0680	SEG.B From Sta. B0+000 to Sta. B0+985	21d	100%	0d	01-Apr-14	26-Apr-14	06-Apr-14 A	26-May-14 A	
NHT0660	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	21d	10-Feb-14	05-Mar-14	01-Jul-14	07-Aug-14	-41d
NHT0690	Access Roads	21d	0%	21d	21-Apr-14	15-May-14	01-Jul-14	07-Aug-14	183d
NHT0670	SEG.A From Sta. 7+460 to Sta. A8+203	21d	0%	21d	08-Mar-14	31-Mar-14	09-Aug-14	01-Sep-14	60d
Waterline		250d		63d	06-Jan-14	25-May-14	02-Feb-14 A	25-Sep-14	-7d
Waterline for Group One		206d		63d	06-Jan-14	25-May-14	02-Feb-14 A	25-Sep-14	-28d
NHT0700	300 mm Dia. Waterline SEG. D From Sta.D0+515 to Sta.D0+000	21d	100%	0d	06-Jan-14	03-Feb-14	02-Feb-14 A	30-Apr-14 A	



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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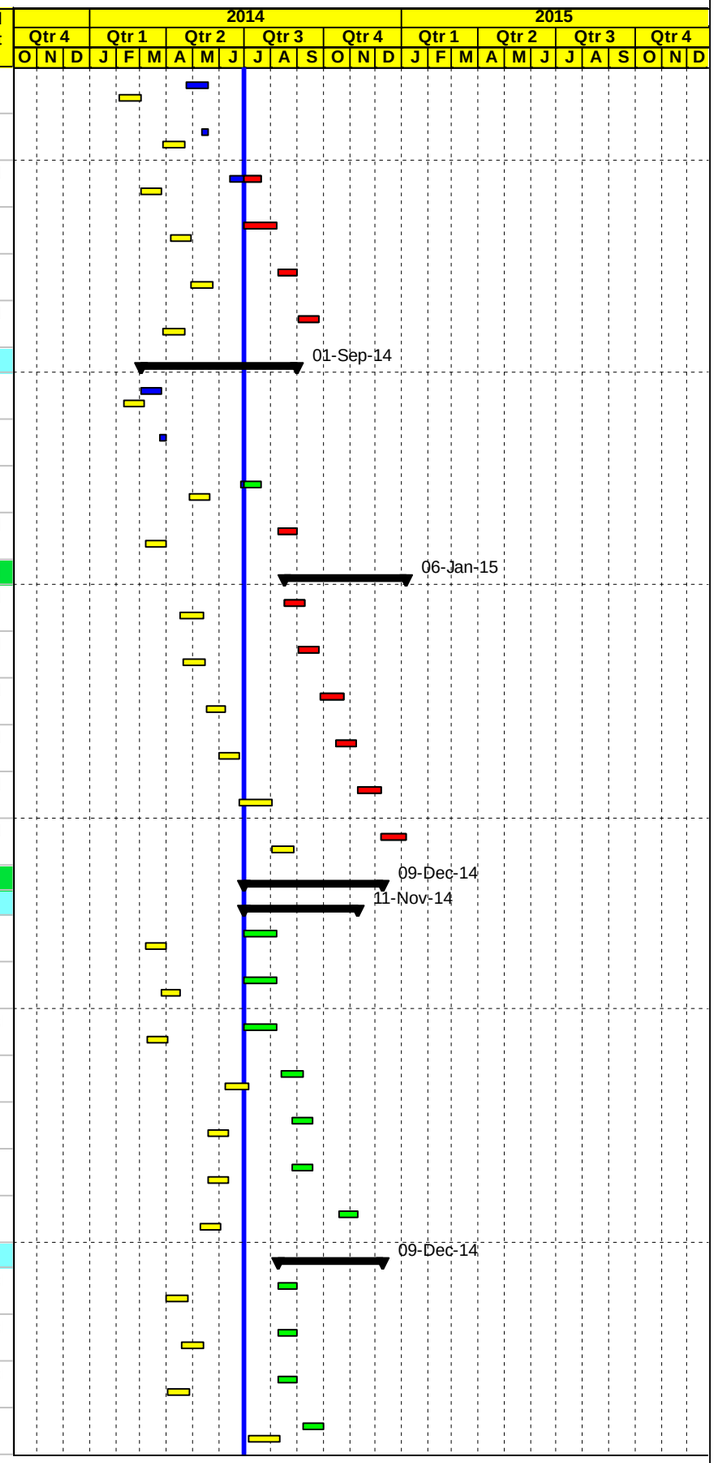
NHT0705	300 mm & 75 mm Dia. Waterline Seg. A From Sta.A0+000 to Sta.A1+440	21d	100%	0d	04-Feb-14	01-Mar-14	24-Apr-14 A	20-May-14 A	
NHT0720	50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300	21d	100%	0d	27-Mar-14	21-Apr-14	12-May-14 A	20-May-14 A	
NHT0715	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440	21d	50%	11d	02-Mar-14	26-Mar-14	14-Jun-14 A	20-Jul-14	-29d
NHT0730	100 mm Dia. Waterline for Hussan distribution pipe	21d	0%	21d	05-Apr-14	29-Apr-14	01-Jul-14	07-Aug-14	-7d
NHT0735	150 mm Dia. Waterline for Battir distribution pipe	21d	0%	21d	30-Apr-14	25-May-14	09-Aug-14	01-Sep-14	-7d
NHT0725	200 mm & 100 mm Dia. waterline SEG.C from sta. 0+00 to st. C0+330	21d	0%	21d	27-Mar-14	21-Apr-14	02-Sep-14	25-Sep-14	-41d
Waterline for Group Two		229d		42d	10-Feb-14	21-May-14	02-Mar-14 A	01-Sep-14	14d
NHT0740	250 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+850 to Sta.A5+700	21d	100%	0d	10-Feb-14	05-Mar-14	02-Mar-14 A	27-Mar-14 A	
NHT0741-NEW	250 mm & 50 mm Dia. Waterline Seg. A From Sta.3+350 to Sta.3+850 -Segment A	21d	100%	0d			24-Mar-14 A	01-Apr-14 A	
NHT0750	100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985	21d	50%	11d	27-Apr-14	21-May-14	28-Jun-14 A	20-Jul-14	46d
NHT0745	200 mm, 150 mm & 100 mm Dia. Waterline Seg. A From Sta.A5+800 to Sta. 7+460	21d	0%	21d	08-Mar-14	31-Mar-14	09-Aug-14	01-Sep-14	-41d
House connection		111d		111d	17-Apr-14	27-Aug-14	17-Aug-14	06-Jan-15	-41d
NHT0755	Water meters and house connection Segment A from St. 1+450 to St. 2+300	21d	0%	21d	17-Apr-14	13-May-14	17-Aug-14	10-Sep-14	-29d
NHT0760	Water meters and house connection Segment A from St. 5+400 to St. 8+200	21d	0%	21d	21-Apr-14	15-May-14	02-Sep-14	25-Sep-14	-41d
NHT0765	Water meters and house connection Segment C	21d	0%	21d	17-May-14	09-Jun-14	27-Sep-14	25-Oct-14	-41d
NHT0770	Water meters and house connection Battir distribution	21d	0%	21d	01-Jun-14	24-Jun-14	16-Oct-14	09-Nov-14	-41d
NHT0775	Water meters and house connection Segment B	21d	0%	21d	25-Jun-14	03-Aug-14	10-Nov-14	07-Dec-14	-41d
NHT0780	Water meters and house connection Hussan distribution pipe	21d	0%	21d	03-Aug-14	27-Aug-14	08-Dec-14	06-Jan-15	-41d
Valves		120d		120d	08-Mar-14	11-Aug-14	01-Jul-14	09-Dec-14	42d
Civil Chambers		99d		99d	08-Mar-14	05-Jul-14	01-Jul-14	11-Nov-14	42d
NHT0805	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	08-Mar-14	31-Mar-14	01-Jul-14	07-Aug-14	89d
NHT0815	Flow monitoring chamber @ sta. A5+725	21d	0%	21d	25-Mar-14	17-Apr-14	01-Jul-14	07-Aug-14	13d
NHT0810	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	21d	09-Mar-14	01-Apr-14	01-Jul-14	07-Aug-14	120d
NHT0835	Wadi Fukin connection chamber @sta. B0+957	21d	0%	21d	09-Jun-14	05-Jul-14	13-Aug-14	07-Sep-14	73d
NHT0825	Hussan Connection chamber @ Sta.A7+390	21d	0%	21d	19-May-14	11-Jun-14	26-Aug-14	18-Sep-14	43d
NHT0830	Battir Connection chamber @ Sta.A7+410	21d	0%	21d	19-May-14	11-Jun-14	26-Aug-14	18-Sep-14	44d
NHT0820	Nahaleen connection chamber @ st. C0+320	21d	0%	21d	11-May-14	03-Jun-14	19-Oct-14	11-Nov-14	42d
Mechanical		99d		99d	01-Apr-14	11-Aug-14	09-Aug-14	09-Dec-14	42d
NHT0840	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	01-Apr-14	26-Apr-14	09-Aug-14	01-Sep-14	120d
NHT0850	Flow monitoring chamber @ sta. A5+725	21d	0%	21d	19-Apr-14	14-May-14	09-Aug-14	01-Sep-14	120d
NHT0845	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	21d	02-Apr-14	27-Apr-14	09-Aug-14	01-Sep-14	120d
NHT0868	Wadi Fukin connection chamber @sta. B0+957	21d	0%	21d	05-Jul-14	11-Aug-14	07-Sep-14	01-Oct-14	94d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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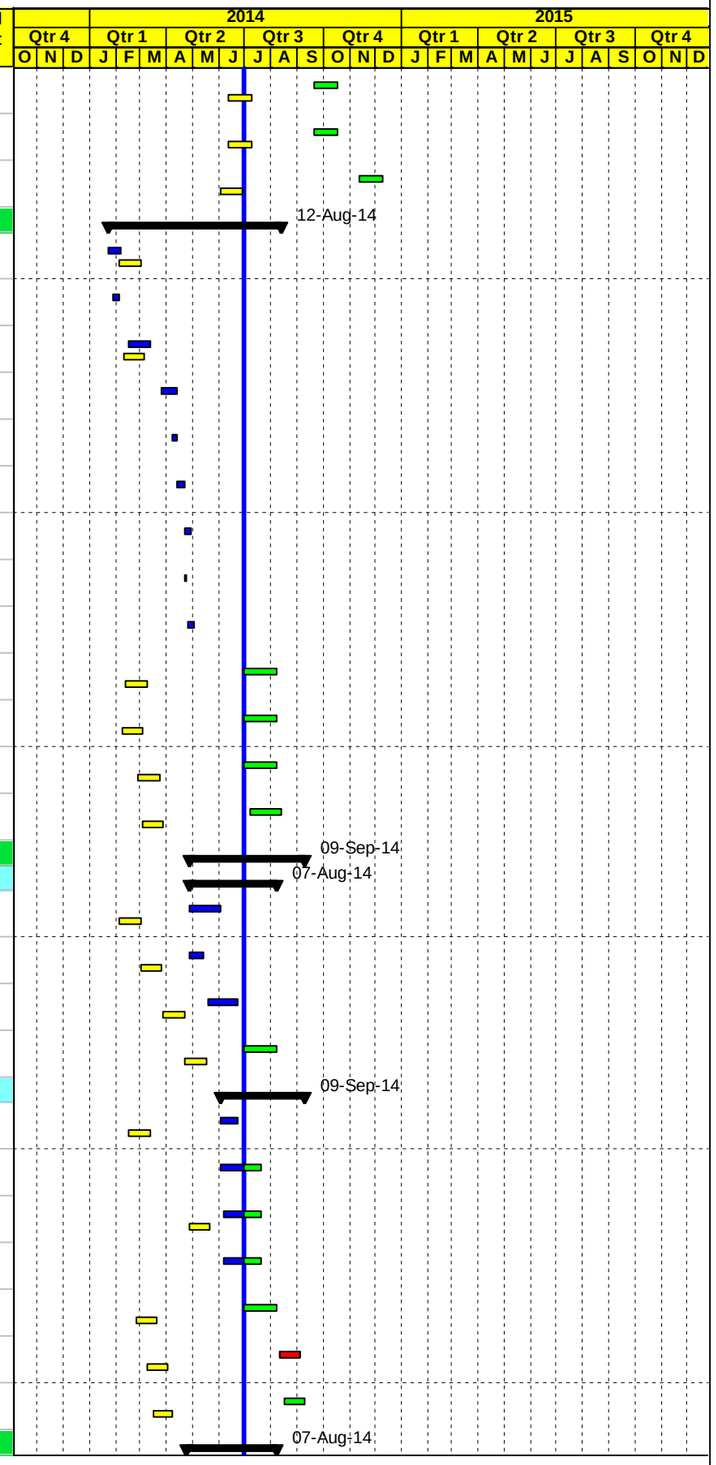
NHT0860	Hussan Connection chamber @ Sta.A7+390	21d	0%	21d	12-Jun-14	10-Jul-14	20-Sep-14	18-Oct-14	84d
NHT0865	Battir Connection chamber @ Sta.A7+410	21d	0%	21d	12-Jun-14	10-Jul-14	20-Sep-14	18-Oct-14	84d
NHT0855	Nahaleen connection chamber @ st. C0+320	21d	0%	21d	04-Jun-14	29-Jun-14	12-Nov-14	09-Dec-14	42d
Concrete walls		280d		43d	04-Feb-14	27-Mar-14	23-Jan-14 A	12-Aug-14	259d
NHT0870	Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM)	21d	100%	0d	04-Feb-14	01-Mar-14	23-Jan-14 A	06-Feb-14 A	
NHT0941-NEW	Formwork System for Retaining Work	21d	100%	0d			29-Jan-14 A	04-Feb-14 A	
NHT0890	Retaining wall from Sta. A0+477 to A0+615 LHS (138 LM)	21d	100%	0d	10-Feb-14	05-Mar-14	16-Feb-14 A	12-Mar-14 A	
NHT0891-NEW	Retaining Wall from Sta.0+640 to Sta.0+770 LHS (130 LM)	21d	100%	0d			26-Mar-14 A	14-Apr-14 A	
NHT0942-NEW	Concrete Basement Wall-from Sta. E1+100 to E1+116 RHS (16 LM)	21d	100%	0d			08-Apr-14 A	13-Apr-14 A	
NHT0943-NEW	Retaining Wall from Sta.0+790 to Sta.0+835 LHS	21d	100%	0d			13-Apr-14 A	22-Apr-14 A	
NHT0892-NEW	Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS	21d	100%	0d			22-Apr-14 A	29-Apr-14 A	
NHT0993-NEW	Retaining Walls From Sta.B0+471-B0+493.6 LHS&From Sta.B0+506.35-B0+522 LHS & From Sta.B0+523 To B0+529 RHS	21d	100%	0d			22-Apr-14 A	24-Apr-14 A	
NHT0994-NEW	One Side Shutter Wall from St.0+480-St.0+574 LHSfrom St.0+614-St.0+790 LHS and from St.0+827-St.0+930 LHS	21d	100%	0d			27-Apr-14 A	04-May-14 A	
NHT0900	Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	21d	0%	21d	12-Feb-14	09-Mar-14	01-Jul-14	07-Aug-14	207d
NHT0880	Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	21d	0%	21d	08-Feb-14	03-Mar-14	01-Jul-14	07-Aug-14	207d
NHT0930	Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	21d	0%	21d	26-Feb-14	23-Mar-14	01-Jul-14	07-Aug-14	203d
NHT0940	Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	21d	0%	21d	03-Mar-14	27-Mar-14	08-Jul-14	12-Aug-14	203d
Pipe and Box Culverts		75d		49d	04-Feb-14	21-May-14	28-Apr-14 A	09-Sep-14	179d
Pipe and Box Culverts for Group One		47d		21d	04-Feb-14	17-May-14	28-Apr-14 A	07-Aug-14	13d
NHT0960	2.0x2.0x19 M box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta	21d	100%	0d	04-Feb-14	01-Mar-14	28-Apr-14 A	04-Jun-14 A	
NHT0970	1.5x1.5x12 M box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980	21d	100%	0d	02-Mar-14	26-Mar-14	28-Apr-14 A	14-May-14 A	
NHT0980	1.5x1.5x15 M box culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	21d	100%	0d	27-Mar-14	21-Apr-14	19-May-14 A	23-Jun-14 A	
NHT0990	1.5x15m Box box culvert @ Sta.A2+225	21d	0%	21d	22-Apr-14	17-May-14	01-Jul-14	07-Aug-14	13d
Pipe and Box Culverts for Group Two		75d		49d	16-Feb-14	21-May-14	04-Jun-14 A	09-Sep-14	179d
NHT1015	Dia.1000 mm of double pipe culvert @ Sta.A5+472	21d	100%	0d	16-Feb-14	12-Mar-14	04-Jun-14 A	23-Jun-14 A	
NHT10655-new	Storm concrete drainage system from Sta.0+000 to Sta.0+210 -Segment B	21d	50%	11d			04-Jun-14 A	20-Jul-14	218d
NHT1060	Storm concrete drainage system from sta. B0+000 to B0+985 (985 LM) & outfall for @ St.B0+537 & B0+714 (115 & 50 LM)	21d	50%	11d	27-Apr-14	21-May-14	07-Jun-14 A	20-Jul-14	114d
NHT10656-new	Storm concrete drainage system from Sta.0+953 Segment B to Sta.5+480 Segment A	21d	50%	11d			08-Jun-14 A	20-Jul-14	218d
NHT1030	Dia.800 mm of pipe culvert @ Sta.A6+198 with outlet	21d	0%	21d	24-Feb-14	20-Mar-14	01-Jul-14	07-Aug-14	2d
NHT1040	Storm concrete drainage system SEG.A From sta. A5+480 to A7+460 (1660 L.m)	21d	0%	21d	10-Mar-14	02-Apr-14	11-Aug-14	03-Sep-14	-37d
NHT1050	600 mm Dia outfall for hussan @ st.A6+570 & A7+172	21d	0%	21d	16-Mar-14	08-Apr-14	17-Aug-14	09-Sep-14	51d
Stone Walls		86d		21d	01-Mar-14	30-Mar-14	24-Apr-14 A	07-Aug-14	117d



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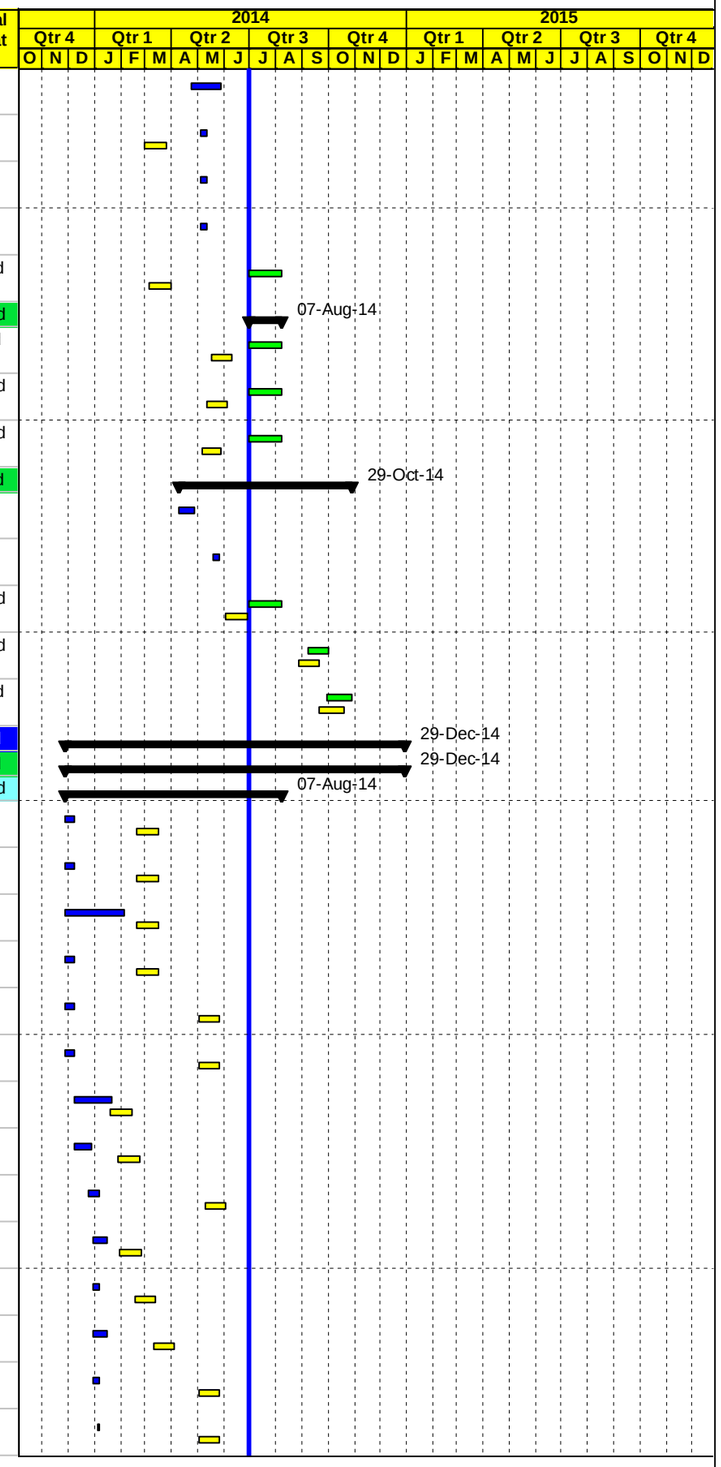
NHT1081-NEW	Stone Walls_Segment B	21d	100%	0d			24-Apr-14 A	29-May-14 A	
NHT1070	Stone wall from sta.A1+018 to A1+340	21d	100%	0d	01-Mar-14	25-Mar-14	06-May-14 A	12-May-14 A	
NHT1082-NEW	Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A	21d	100%	0d			06-May-14 A	12-May-14 A	
NHT1083-NEW	Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A	21d	100%	0d			06-May-14 A	12-May-14 A	
NHT1080	Stone wall from Sta.A3+360 to sta. A3+370 RHS	21d	0%	21d	05-Mar-14	30-Mar-14	01-Jul-14	07-Aug-14	117d
Concrete curbstone and side walk		21d		21d	06-May-14	10-Jun-14	01-Jul-14	07-Aug-14	164d
NHT1110	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	21d	18-May-14	10-Jun-14	01-Jul-14	07-Aug-14	42d
NHT1100	SEG.E From Sta. E0+000 to Sta.E1+276	21d	0%	21d	12-May-14	04-Jun-14	01-Jul-14	07-Aug-14	138d
NHT1090	SEG.B From Sta. B0+000 to Sta. B0+985	21d	0%	21d	06-May-14	29-May-14	01-Jul-14	07-Aug-14	164d
Others		152d		87d	04-Jun-14	19-Oct-14	10-Apr-14 A	29-Oct-14	118d
NHT1150-new	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	21d	100%	0d			10-Apr-14 A	28-Apr-14 A	
NHT1151-new	12" pipeline Mitered Bends Schedule and fabrication for -Segment D	21d	100%	0d			19-May-14 A	27-May-14 A	
NHT1120	Street Lighting SEG.A from A5+800 TO 7+460 & B0+00 to B0+980	21d	0%	21d	04-Jun-14	29-Jun-14	01-Jul-14	07-Aug-14	168d
NHT1130	Concrete Ditches and Concrete protection	21d	0%	21d	27-Aug-14	21-Sep-14	07-Sep-14	01-Oct-14	137d
NHT1140	Road furnishing/Guard Rail	21d	0%	21d	20-Sep-14	19-Oct-14	30-Sep-14	29-Oct-14	118d
Material Submittals		319d		132d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		319d		132d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Material Submittals Roads		168d		21d	19-Jan-14	19-Jun-14	28-Nov-13 A	07-Aug-14	207d
NHT1260	Prime Coat	21d	100%	0d	19-Feb-14	16-Mar-14	28-Nov-13 A	09-Dec-13 A	
NHT1270	Tack Coat	21d	100%	0d	19-Feb-14	16-Mar-14	28-Nov-13 A	09-Dec-13 A	
NHT1280	Bituminous Binder Course-Mix Design	21d	100%	0d	19-Feb-14	16-Mar-14	28-Nov-13 A	04-Feb-14 A	
NHT1290	Bituminous Wearing Course-Mix Design	21d	100%	0d	19-Feb-14	16-Mar-14	28-Nov-13 A	09-Dec-13 A	
NHT1360	Cat eyes	21d	100%	0d	04-May-14	27-May-14	28-Nov-13 A	09-Dec-13 A	
NHT1370	Thermoplastic paint	21d	100%	0d	04-May-14	27-May-14	28-Nov-13 A	09-Dec-13 A	
NHT1180	Concrete Mix Design including cement type	21d	100%	0d	19-Jan-14	13-Feb-14	08-Dec-13 A	22-Jan-14 A	
NHT1230	Base Course Source	21d	100%	0d	28-Jan-14	22-Feb-14	08-Dec-13 A	28-Dec-13 A	
NHT1400	Curbstone paint material	21d	100%	0d	10-May-14	02-Jun-14	25-Dec-13 A	06-Jan-14 A	
NHT1240	Concrete Pipes	21d	100%	0d	30-Jan-14	24-Feb-14	30-Dec-13 A	15-Jan-14 A	
NHT1250	Curbstone	21d	100%	0d	17-Feb-14	13-Mar-14	30-Dec-13 A	06-Jan-14 A	
NHT1320	Concrete joint sealant material	21d	100%	0d	11-Mar-14	03-Apr-14	30-Dec-13 A	15-Jan-14 A	
NHT1380	Guard Rail	21d	100%	0d	04-May-14	27-May-14	30-Dec-13 A	06-Jan-14 A	
NHT1390	Traffic sign	21d	100%	0d	04-May-14	27-May-14	05-Jan-14 A	06-Jan-14 A	



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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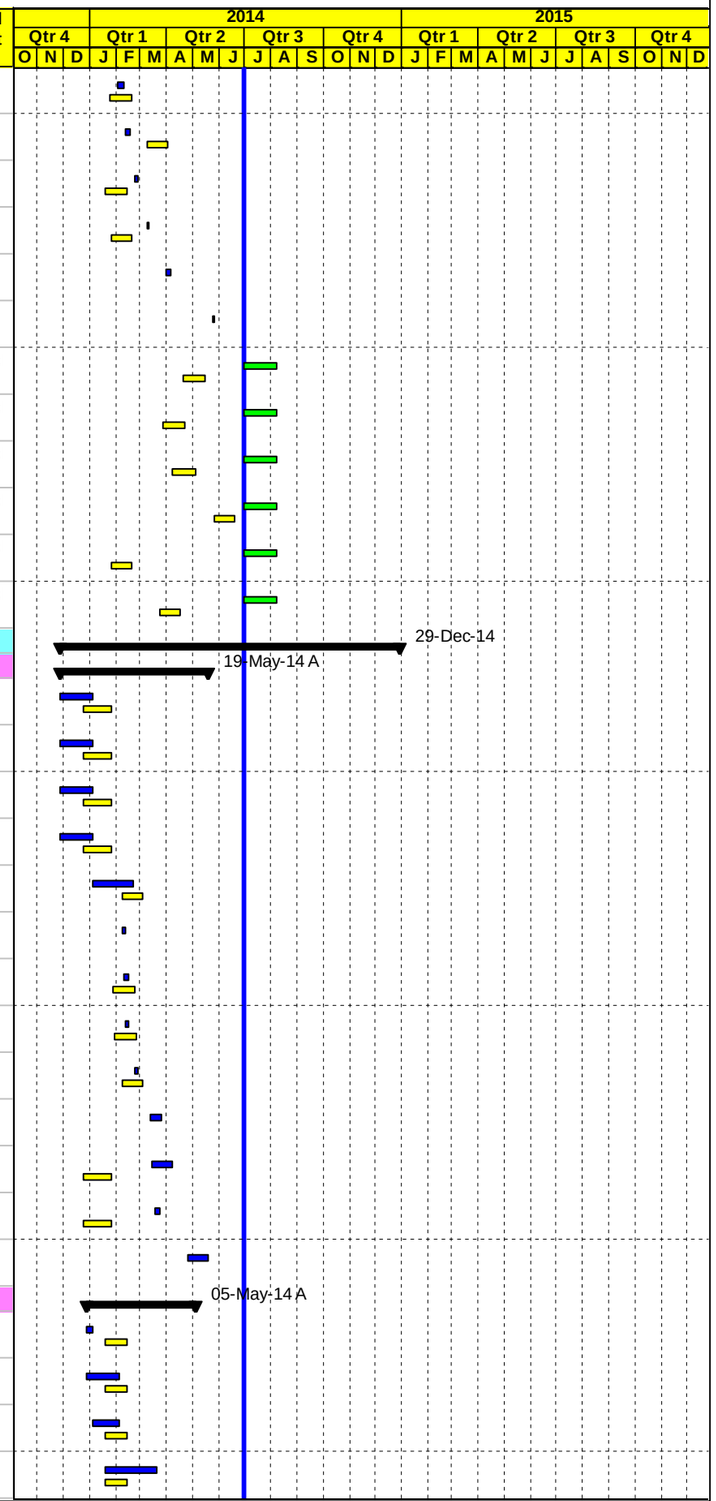
NHT1200	Steel Reinforcement	21d	100%	0d	25-Jan-14	18-Feb-14	03-Feb-14 A	11-Feb-14 A	
NHT1310	Concrete Repair	21d	100%	0d	10-Mar-14	02-Apr-14	12-Feb-14 A	18-Feb-14 A	
NHT1190	Formwork material	21d	100%	0d	19-Jan-14	13-Feb-14	23-Feb-14 A	27-Feb-14 A	
NHT1210	Precast Concrete Manholes and catch basin	21d	100%	0d	26-Jan-14	19-Feb-14	09-Mar-14 A	12-Mar-14 A	
NHT1411-new	Concrete curing compound material	21d	100%	0d			01-Apr-14 A	06-Apr-14 A	
NHT1412-new	Joint Sealant Material	21d	100%	0d			25-May-14 A	28-May-14 A	
NHT1350	Galvanized steel Handrail	21d	0%	21d	21-Apr-14	15-May-14	01-Jul-14	07-Aug-14	184d
NHT1330	Street Lighting including poles	21d	0%	21d	27-Mar-14	21-Apr-14	01-Jul-14	07-Aug-14	136d
NHT1340	Interlocking Blocks	21d	0%	21d	08-Apr-14	04-May-14	01-Jul-14	07-Aug-14	207d
NHT1410	Lighting control	21d	0%	21d	27-May-14	19-Jun-14	01-Jul-14	07-Aug-14	136d
NHT1220	Water proofing	21d	0%	21d	26-Jan-14	19-Feb-14	01-Jul-14	07-Aug-14	207d
NHT1323	Geocell	21d	0%	21d	24-Mar-14	16-Apr-14	01-Jul-14	07-Aug-14	207d
Material Submittals	**Pipelines including Hydraulic calculation and wiring diagrams, la**	319d		132d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Pipes		143d		0d	24-Dec-13	03-Mar-14	28-Nov-13 A	19-May-14 A	
NHT1420	Steel pipeline 300 mm	21d	100%	0d	24-Dec-13	26-Jan-14	28-Nov-13 A	05-Jan-14 A	
NHT1430	Steel pipeline 200 mm	21d	100%	0d	24-Dec-13	26-Jan-14	28-Nov-13 A	05-Jan-14 A	
NHT1440	Steel pipeline 150 mm	21d	100%	0d	24-Dec-13	26-Jan-14	28-Nov-13 A	05-Jan-14 A	
NHT1450	Steel pipeline 100 mm	21d	100%	0d	24-Dec-13	26-Jan-14	28-Nov-13 A	05-Jan-14 A	
NHT1500	Shrinkable sheet	21d	100%	0d	08-Feb-14	03-Mar-14	05-Jan-14 A	22-Feb-14 A	
NHT1512-NEW	Mill Certificate and testing reports for 8 inch steel pipe	21d	100%	0d			09-Feb-14 A	13-Feb-14 A	
NHT1480	Bedding material	21d	100%	0d	29-Jan-14	23-Feb-14	11-Feb-14 A	16-Feb-14 A	
NHT1490	Backfilling material (Single size)	21d	100%	0d	30-Jan-14	24-Feb-14	12-Feb-14 A	16-Feb-14 A	
NHT1510	Warning tape	21d	100%	0d	08-Feb-14	03-Mar-14	23-Feb-14 A	27-Feb-14 A	
NHT1511-NEW	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers	21d	100%	0d			13-Mar-14 A	27-Mar-14 A	
NHT1460	Steel pipeline 75 mm	21d	100%	0d	24-Dec-13	26-Jan-14	16-Mar-14 A	08-Apr-14 A	
NHT1470	Galvanized Steel pipeline 0.5", 0.75",1",1.5",2"	21d	100%	0d	24-Dec-13	26-Jan-14	19-Mar-14 A	24-Mar-14 A	
NHT1471-NEW	Pipe Expansion Joint	21d	100%	0d			27-Apr-14 A	19-May-14 A	
Fittings		36d		0d	24-Dec-13	13-Feb-14	29-Dec-13 A	05-May-14 A	
NHT1580	Mechanical coupling	21d	100%	0d	19-Jan-14	13-Feb-14	29-Dec-13 A	05-Jan-14 A	
NHT1590	Dismantling Joint	21d	100%	0d	19-Jan-14	13-Feb-14	29-Dec-13 A	05-Feb-14 A	
NHT1550	Flanges	21d	100%	0d	19-Jan-14	13-Feb-14	05-Jan-14 A	04-Feb-14 A	
NHT1560	Gaskets	21d	100%	0d	19-Jan-14	13-Feb-14	20-Jan-14 A	20-Mar-14 A	



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
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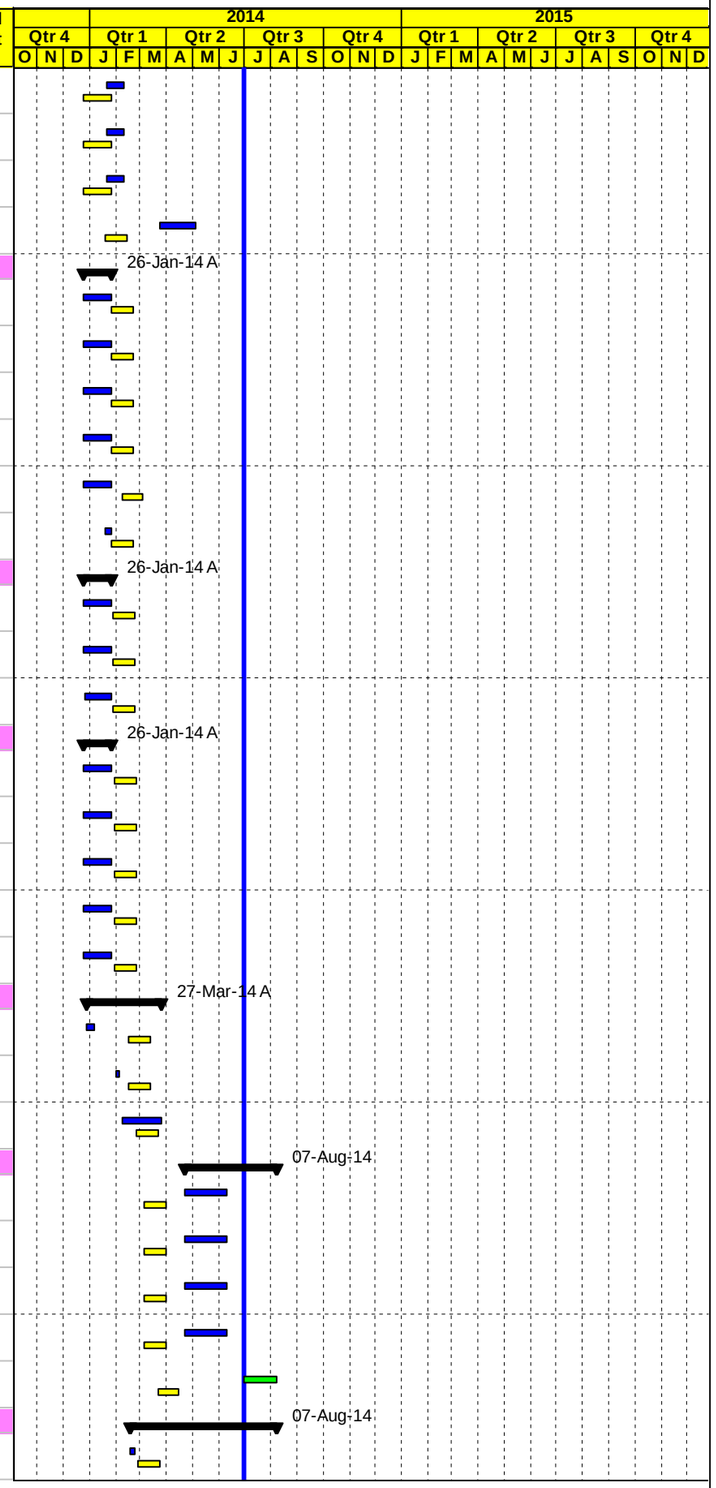
NHT1520	Steel Elbows	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1530	Steel Tees	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1540	Steel reducers	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1570	Bolts ,washers & nuts	21d	100%	0d	19-Jan-14	13-Feb-14	24-Mar-14 A	05-May-14 A	
Gate Valves		31d		0d	27-Jan-14	04-Mar-14	25-Dec-13 A	26-Jan-14 A	
NHT1600	Gate valves16 , 200mm	21d	100%	0d	27-Jan-14	20-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1610	Gate valves PN16,150	21d	100%	0d	27-Jan-14	20-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1620	Gate valves 100.	21d	100%	0d	27-Jan-14	20-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1630	Gate valves 75.	21d	100%	0d	27-Jan-14	20-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1650	Manual Actuator for gate valves	21d	100%	0d	09-Feb-14	04-Mar-14	25-Dec-13 A	26-Jan-14 A	
NHT1640	Gate valves 50	21d	100%	0d	27-Jan-14	20-Feb-14	20-Jan-14 A	26-Jan-14 A	
Butterfly valves		21d		0d	28-Jan-14	22-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1660	Butterfly valves PN40,300 mm	21d	100%	0d	28-Jan-14	22-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1670	Butterfly valves PN40,250 mm	21d	100%	0d	28-Jan-14	22-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1680	Butterfly valves PN25,250 mm	21d	100%	0d	28-Jan-14	22-Feb-14	26-Dec-13 A	26-Jan-14 A	
Washout valve		21d		0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1690	Washout gate valve PN40DN250	21d	100%	0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1700	Washout gate valve PN40DN200	21d	100%	0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1710	Washout gate valve PN25DN150	21d	100%	0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1720	PN 16 bar, DN 75 mm washout Gate Valve on DN 150 mm and on DN 100 mm pipelines	21d	100%	0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
NHT1730	PN 16 bar, DN 50 mm washout gate valve on DN 75 and DN 50 mm pipelines	21d	100%	0d	30-Jan-14	24-Feb-14	25-Dec-13 A	26-Jan-14 A	
Air relief valves and Pressure reducing valve		29d		0d	16-Feb-14	22-Mar-14	29-Dec-13 A	27-Mar-14 A	
NHT1740	Combination Air relief valves ,PN40,DN100-/PN25,DN80-/PN25,DN50	21d	100%	0d	16-Feb-14	12-Mar-14	29-Dec-13 A	06-Jan-14 A	
NHT1750	Air relief valves	21d	100%	0d	16-Feb-14	12-Mar-14	02-Feb-14 A	04-Feb-14 A	
NHT1760	Pressure reducing valves PN40 DN150	21d	100%	0d	25-Feb-14	22-Mar-14	09-Feb-14 A	27-Mar-14 A	
Water meters		86d		21d	05-Mar-14	14-Apr-14	22-Apr-14 A	07-Aug-14	59d
NHT1770	Water meters PN40 at 200mm pipe line	21d	100%	0d	05-Mar-14	30-Mar-14	22-Apr-14 A	10-Jun-14 A	
NHT1780	Water meters PN16 at 150mm pipe line	21d	100%	0d	05-Mar-14	30-Mar-14	22-Apr-14 A	10-Jun-14 A	
NHT1790	Water meters PN16 at 200mm pipe line	21d	100%	0d	05-Mar-14	30-Mar-14	22-Apr-14 A	10-Jun-14 A	
NHT1800	Water meters PN25 at 100 mm pipe line	21d	100%	0d	05-Mar-14	30-Mar-14	22-Apr-14 A	10-Jun-14 A	
NHT1802	Water meter (prepaid)	21d	0%	21d	22-Mar-14	14-Apr-14	01-Jul-14	07-Aug-14	59d
Manholes and chambers		124d		21d	27-Feb-14	26-Mar-14	18-Feb-14 A	07-Aug-14	59d
NHT1820	Manhole Cover and Frame.	21d	100%	0d	27-Feb-14	24-Mar-14	18-Feb-14 A	24-Feb-14 A	



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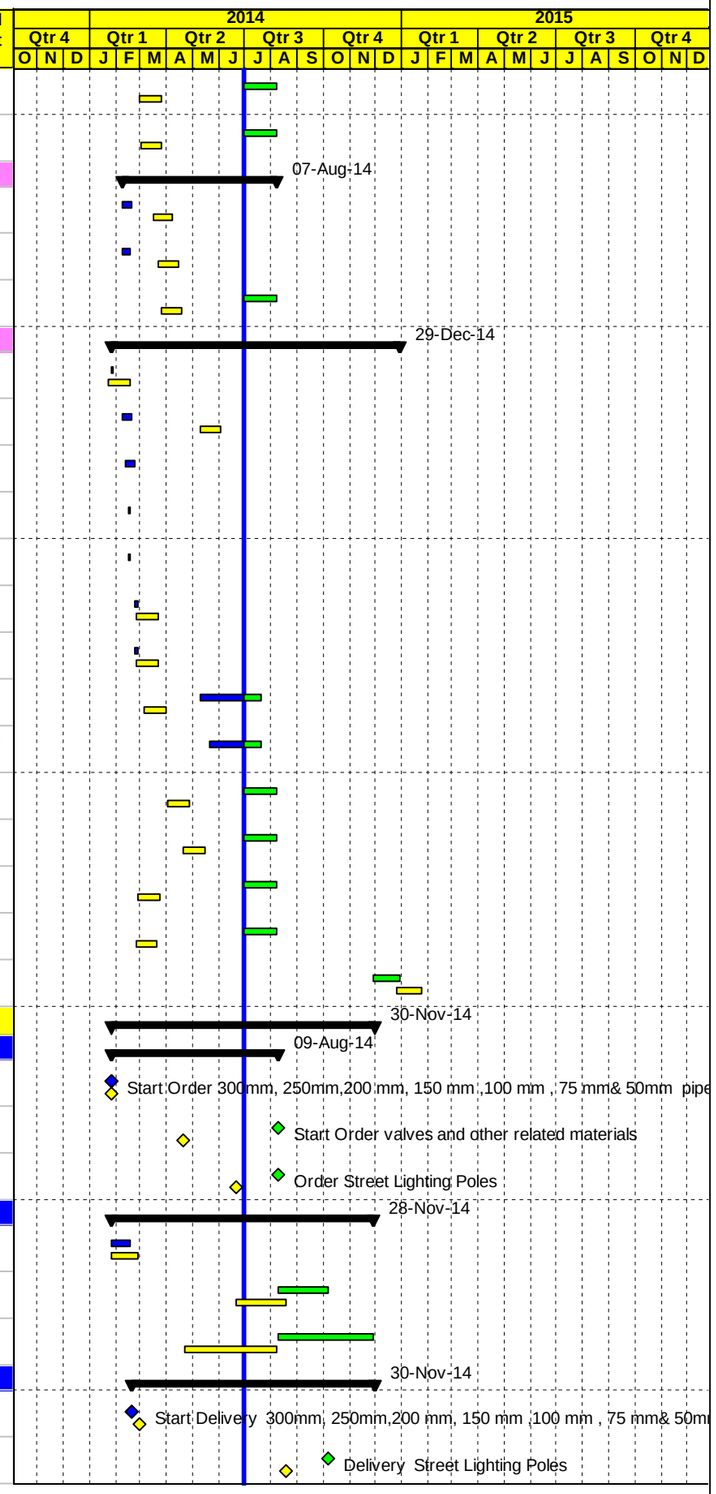
NHT1830	Ladders steps	21d	0%	21d	01-Mar-14	25-Mar-14	01-Jul-14	07-Aug-14	59d
NHT1840	Holding Jacks	21d	0%	21d	02-Mar-14	26-Mar-14	01-Jul-14	07-Aug-14	59d
Control Valves		111d		21d	16-Mar-14	19-Apr-14	09-Feb-14 A	07-Aug-14	59d
NHT1890	Remote Control Monitoring Flow water meterPN40,DN250	21d	100%	0d	16-Mar-14	08-Apr-14	09-Feb-14 A	20-Feb-14 A	
NHT1870	Flow control valves	21d	100%	0d	23-Mar-14	15-Apr-14	09-Feb-14 A	17-Feb-14 A	
NHT1880	Remote Control Monitoring Flow water meterPN40,DN300	21d	0%	21d	26-Mar-14	19-Apr-14	01-Jul-14	07-Aug-14	59d
Others		264d		132d	22-Jan-14	25-Jan-15	27-Jan-14 A	29-Dec-14	96d
NHT1900	Strainers.	21d	100%	0d	22-Jan-14	17-Feb-14	27-Jan-14 A	29-Jan-14 A	
NHT1980	Earthing Grounding System	21d	100%	0d	11-May-14	03-Jun-14	09-Feb-14 A	20-Feb-14 A	
NHT1991-NEW	Repairing and application of interior steel pipes cement lining	21d	100%	0d			12-Feb-14 A	24-Feb-14 A	
NHT1992-NEW	Bitumen Protective Coating for Underground Concrete	21d	100%	0d			16-Feb-14 A	18-Feb-14 A	
NHT1993-NEW	Form Release Agent	21d	100%	0d			16-Feb-14 A	18-Feb-14 A	
NHT1920	Spacers	21d	100%	0d	25-Feb-14	22-Mar-14	23-Feb-14 A	27-Feb-14 A	
NHT1930	Tie Rods	21d	100%	0d	25-Feb-14	22-Mar-14	23-Feb-14 A	27-Feb-14 A	
NHT1950	Pressure Gauge With Needle Valve	21d	50%	11d	05-Mar-14	30-Mar-14	11-May-14 A	20-Jul-14	69d
NHT2000-NEW	Paint as Second Coat to be Sparyed Over Factory EPOXY Coating to Protect Pipe against UV Rays- -Segment D	21d	50%	11d			21-May-14 A	20-Jul-14	217d
NHT1960	Floor Boxes	21d	0%	21d	02-Apr-14	27-Apr-14	01-Jul-14	07-Aug-14	141d
NHT1970	Electrical Tests and Commissioning	21d	0%	21d	21-Apr-14	15-May-14	01-Jul-14	07-Aug-14	141d
NHT1940	Air Ventilation Pipes	21d	0%	21d	27-Feb-14	24-Mar-14	01-Jul-14	07-Aug-14	59d
NHT1910	Epoxy Coating	21d	0%	21d	24-Feb-14	20-Mar-14	01-Jul-14	07-Aug-14	59d
NHT1990	Spare Parts	21d	0%	21d	27-Dec-14	25-Jan-15	29-Nov-14	29-Dec-14	96d
Procurements		307d		113d	27-Jan-14	19-Aug-14	27-Jan-14 A	30-Nov-14	122d
Order		150d		0d	27-Jan-14	21-Jun-14	27-Jan-14 A	09-Aug-14	136d
NHT2000	Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	0d	100%	0d	27-Jan-14		27-Jan-14 A		
NHT2010	Start Order valves and other related materials	0d	0%	0d	21-Apr-14		09-Aug-14		59d
NHT2020	Order Street Lighting Poles	0d	0%	0d	21-Jun-14		09-Aug-14		136d
Manufacturing		245d		89d	27-Jan-14	19-Aug-14	27-Jan-14 A	28-Nov-14	99d
NHT2030	300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	28d	100%	0d	27-Jan-14	27-Feb-14	27-Jan-14 A	18-Feb-14 A	
NHT2050	Street Lighting Poles	50d	0%	50d	22-Jun-14	19-Aug-14	10-Aug-14	07-Oct-14	138d
NHT2040	Valves and other related materials	89d	0%	89d	22-Apr-14	07-Aug-14	10-Aug-14	28-Nov-14	55d
Delivery		191d		39d	28-Feb-14	19-Aug-14	19-Feb-14 A	30-Nov-14	99d
NHT2060	Start Delivery 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	0d	100%	0d	28-Feb-14		19-Feb-14 A		
NHT2080	Delivery Street Lighting Poles	0d	0%	0d		19-Aug-14		07-Oct-14	138d



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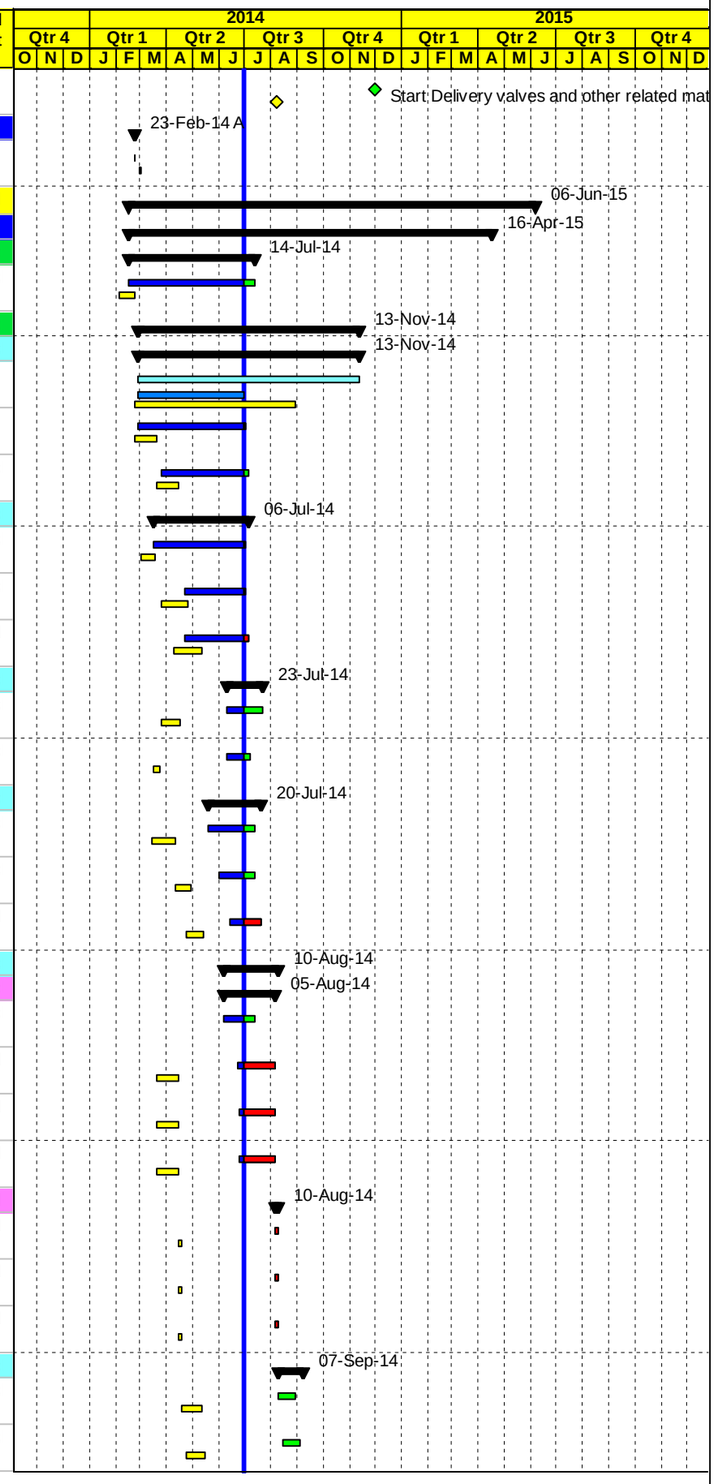
NHT2070	Start Delivery valves and other related materials	0d	0%	0d	08-Aug-14		30-Nov-14		55d
Testing		2d		0d	28-Feb-14	02-Mar-14	23-Feb-14 A	23-Feb-14 A	
NHT2090	300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	2d	100%	0d	28-Feb-14	02-Mar-14	23-Feb-14 A	23-Feb-14 A	
Construction Work		486d		341d	05-Feb-14	21-Apr-15	16-Feb-14 A	06-Jun-15	-39d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		435d		290d	05-Feb-14	01-Feb-15	16-Feb-14 A	16-Apr-15	12d
Implementation traffic control and safety plan		14d		7d	05-Feb-14	23-Feb-14	16-Feb-14 A	14-Jul-14	221d
NHT2505	Implementation traffic control and safety plan	14d	50%	7d	05-Feb-14	23-Feb-14	16-Feb-14 A	14-Jul-14	221d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		263d		136d	23-Feb-14	30-Aug-14	26-Feb-14 A	13-Nov-14	166d
Safety and Excavation		145d		101d	23-Feb-14	30-Aug-14	26-Feb-14 A	13-Nov-14	127d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	101d	23-Feb-14	30-Aug-14	26-Feb-14 A	13-Nov-14	96d
NHT2520	Excavation for reconstruction road From Sta. A0+000 To A0+720	21d	95%	1d	23-Feb-14	20-Mar-14	26-Feb-14 A	02-Jul-14	-9d
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	21d	90%	2d	20-Mar-14	14-Apr-14	26-Mar-14 A	05-Jul-14	226d
Concrete Wall Crew one		76d		3d	02-Mar-14	12-May-14	17-Mar-14 A	06-Jul-14	225d
NHT2560	Construct R.Concrete Retaining wall from Sta. A0+129to A0+200 RHS (71 LM)	14d	95%	1d	02-Mar-14	18-Mar-14	17-Mar-14 A	02-Jul-14	227d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	95%	1d	26-Mar-14	26-Apr-14	22-Apr-14 A	03-Jul-14	193d
NHT2590	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+614 to A0+790 LHS	26d	90%	3d	10-Apr-14	12-May-14	22-Apr-14 A	06-Jul-14	-17d
Concrete Wall Crew two		28d		12d	16-Mar-14	16-Apr-14	10-Jun-14 A	23-Jul-14	216d
NHT2620	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+827 to A0+930LHS	20d	40%	12d	25-Mar-14	16-Apr-14	10-Jun-14 A	23-Jul-14	216d
NHT2610	Construction Rubbil Concrete Wall 0+790 to 0+827 LHS	8d	60%	3d	16-Mar-14	24-Mar-14	10-Jun-14 A	07-Jul-14	191d
Box Culvert		52d		10d	15-Mar-14	14-May-14	19-May-14 A	20-Jul-14	218d
NHT2650	Construct box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+614.0 LHS	23d	70%	7d	15-Mar-14	10-Apr-14	19-May-14 A	14-Jul-14	221d
NHT2660	Construct box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980 LHS	16d	60%	6d	10-Apr-14	30-Apr-14	02-Jun-14 A	13-Jul-14	188d
NHT2670	Construct Pipe culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	17d	40%	10d	23-Apr-14	14-May-14	15-Jun-14 A	20-Jul-14	-25d
Pipe Installation		71d		41d	20-Mar-14	19-Apr-14	07-Jun-14 A	10-Aug-14	261d
300 mm main pipeline		25d		36d	20-Mar-14	14-Apr-14	07-Jun-14 A	05-Aug-14	266d
NHT2770	Digging	21d	40%	13d			07-Jun-14 A	13-Jul-14	289d
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	21d	10%	19d	20-Mar-14	14-Apr-14	24-Jun-14 A	05-Aug-14	-27d
NHT2700	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (1210 LM)	21d	10%	19d	20-Mar-14	14-Apr-14	25-Jun-14 A	05-Aug-14	-27d
NHT2710	Backfill the pipe trench with (single size aggregate) to the required level (1210 LM)	21d	10%	19d	20-Mar-14	14-Apr-14	25-Jun-14 A	05-Aug-14	-62d
300 mm main pipeline with 75 mm dist. Pipe		4d		4d	14-Apr-14	19-Apr-14	05-Aug-14	10-Aug-14	-25d
NHT2680	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from sta. A1+310 TO A1+440 length approx. (130 LM)	4d	0%	4d	14-Apr-14	19-Apr-14	05-Aug-14	10-Aug-14	-27d
NHT2682	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (130 LM)	4d	0%	4d	14-Apr-14	19-Apr-14	05-Aug-14	10-Aug-14	-27d
NHT2685	Backfill the pipe trench with (single size aggregate) to the required level 130 LM)	4d	0%	4d	14-Apr-14	19-Apr-14	05-Aug-14	10-Aug-14	-25d
Chamber work		24d		24d	19-Apr-14	19-May-14	10-Aug-14	07-Sep-14	143d
NHT2720	Construct - Wash out Valve chamber @ Sta. A0+624 .A0+911& &A1+340	17d	0%	17d	19-Apr-14	11-May-14	10-Aug-14	30-Aug-14	143d
NHT2730	Construct - AR/AV Valve chamber @ Sta. A0+719, A1+108 and A1+213	17d	0%	17d	24-Apr-14	15-May-14	14-Aug-14	03-Sep-14	143d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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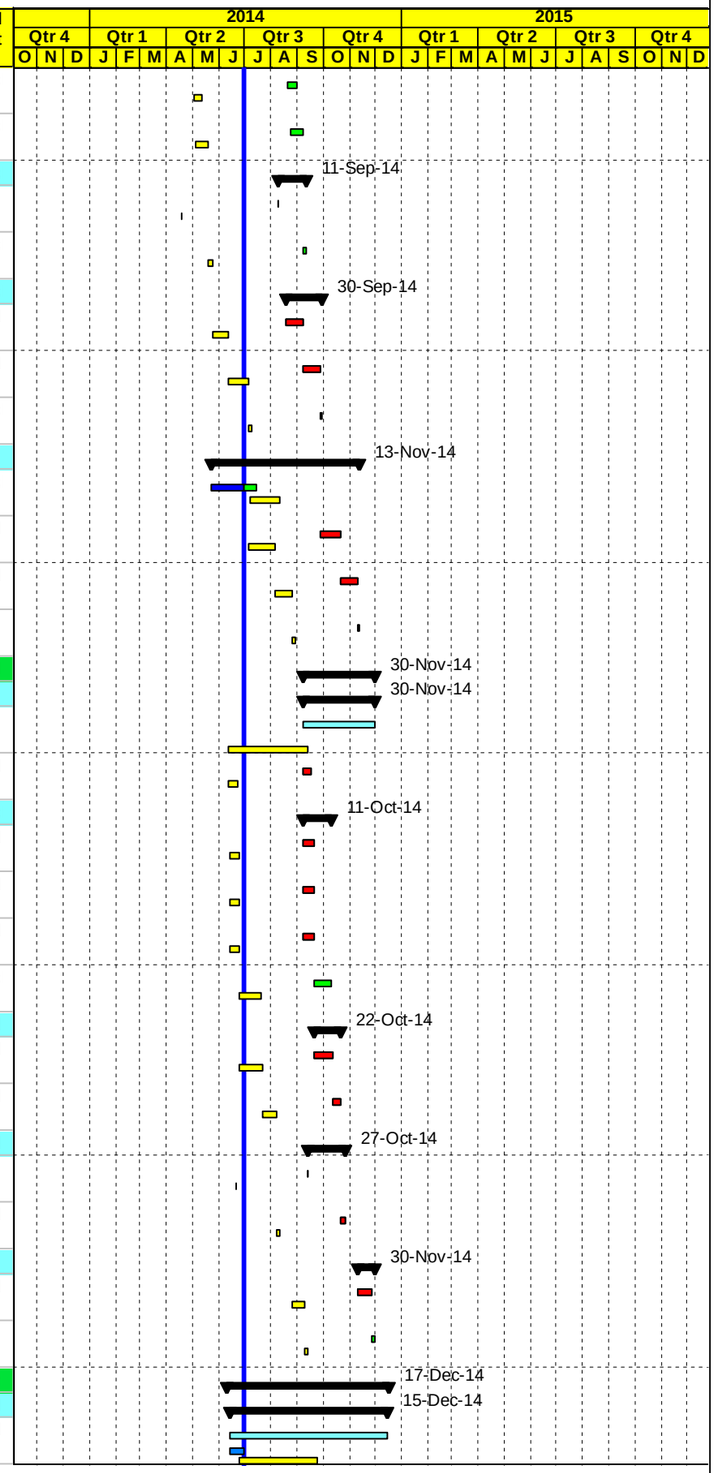
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT2740	Construct - Butterfly Valve chamber @ Sta.A1+084	8d	0%	8d	03-May-14	12-May-14	21-Aug-14	31-Aug-14	143d
NHT2750	Construct -300 mm flow monitoring chamber @ Sta.A0+660	12d	0%	12d	05-May-14	19-May-14	24-Aug-14	07-Sep-14	143d
Testing		34d		34d	19-Apr-14	24-May-14	09-Aug-14	11-Sep-14	188d
NHT2755	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	19-Apr-14	09-Aug-14	09-Aug-14	-6d
NHT2760	Pressure Testing	4d	0%	4d	19-May-14	24-May-14	07-Sep-14	11-Sep-14	143d
Base course and Asphalt From Sta. A0+000 To A0+720		37d		37d	24-May-14	10-Jul-14	18-Aug-14	30-Sep-14	130d
NHT2780	20 cm thick for first base course layer	17d	0%	17d	24-May-14	12-Jun-14	18-Aug-14	07-Sep-14	-62d
NHT2790	20 cm thick for second base course layer	17d	0%	17d	12-Jun-14	05-Jul-14	07-Sep-14	27-Sep-14	-62d
NHT2800	7cm Asphalt wearing course including prime coat	3d	0%	3d	05-Jul-14	10-Jul-14	27-Sep-14	30-Sep-14	130d
Base course ,Stone Wall and Asphalt From Sta. A0+720 To A1+440		37d		101d	05-Jul-14	30-Aug-14	24-May-14 A	13-Nov-14	96d
NHT2804	Construct stone walls from sta.A0+500to A1+340	20d	60%	8d	07-Jul-14	11-Aug-14	24-May-14 A	15-Jul-14	186d
NHT2802	20 cm thick for first base course layer	17d	0%	17d	05-Jul-14	06-Aug-14	27-Sep-14	21-Oct-14	-62d
NHT2805	20 cm thick for second base course layer	17d	0%	17d	06-Aug-14	26-Aug-14	21-Oct-14	10-Nov-14	-62d
NHT2809	7cm Asphalt wearing course including prime coat	3d	0%	3d	26-Aug-14	30-Aug-14	10-Nov-14	13-Nov-14	96d
SEG.A From Sta.A1+440- A2+190 (Residential area)		84d		84d	12-Jun-14	13-Sep-14	07-Sep-14	30-Nov-14	115d
Safety and Excavation		66d		66d	12-Jun-14	13-Sep-14	07-Sep-14	30-Nov-14	87d
NHT2810	Maintain traffic control and safety plan with coordination	66d	0%	66d	12-Jun-14	13-Sep-14	07-Sep-14	30-Nov-14	87d
NHT2820	Excavation for reconstruction road including subgrade and backfilling if required	8d	0%	8d	12-Jun-14	22-Jun-14	07-Sep-14	16-Sep-14	-50d
Pipe Installation		24d		24d	14-Jun-14	20-Jul-14	08-Sep-14	11-Oct-14	103d
NHT2830	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from A1+440 to sta. A2+190 length approx. (750 LM)	10d	0%	10d	14-Jun-14	25-Jun-14	08-Sep-14	20-Sep-14	-50d
NHT2840	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection(750 LM)	10d	0%	10d	14-Jun-14	25-Jun-14	08-Sep-14	20-Sep-14	-50d
NHT2850	Backfill the pipe trench with (single size aggregate) to the required level (750 LM)	10d	0%	10d	14-Jun-14	25-Jun-14	08-Sep-14	20-Sep-14	-16d
NHT2854	Water meters and House connection	14d	0%	14d	25-Jun-14	20-Jul-14	20-Sep-14	11-Oct-14	103d
Chamber work		24d		24d	25-Jun-14	07-Aug-14	20-Sep-14	22-Oct-14	-50d
NHT2860	Construct - AR/AV Valve chamber @ A1+457, Sta. A1+727 &,A1+820,.	16d	0%	16d	25-Jun-14	23-Jul-14	20-Sep-14	13-Oct-14	-50d
NHT2870	Construct - Wash out Valve chamber @ Sta.A1+503	8d	0%	8d	23-Jul-14	07-Aug-14	13-Oct-14	22-Oct-14	-50d
Testing		45d		45d	21-Jun-14	12-Aug-14	13-Sep-14	27-Oct-14	-63d
NHT2873	Radiographic Testing (RT)	1d	0%	1d	21-Jun-14	21-Jun-14	13-Sep-14	13-Sep-14	-4d
NHT2880	Pressure Testing	4d	0%	4d	07-Aug-14	12-Aug-14	22-Oct-14	27-Oct-14	-50d
Base course and Asphalt		15d		15d	26-Aug-14	13-Sep-14	10-Nov-14	30-Nov-14	87d
NHT2890	20 cm thick for base course layer	12d	0%	12d	26-Aug-14	09-Sep-14	10-Nov-14	26-Nov-14	-62d
NHT2930	7cm asphalt wearing course including prime coat	3d	0%	3d	09-Sep-14	13-Sep-14	26-Nov-14	30-Nov-14	87d
SEG.A From Sta A2+190.to Sta. A3+320 (Non-Residential area)		187d		170d	25-Jun-14	28-Sep-14	11-Jun-14 A	17-Dec-14	132d
Safety, Excavation and Box Culvert		134d		124d	25-Jun-14	25-Sep-14	14-Jun-14 A	15-Dec-14	-62d
NHT2940	Maintain traffic control and safety plan with coordination	134d	7.45%	124d	25-Jun-14	25-Sep-14	14-Jun-14 A	15-Dec-14	-62d



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

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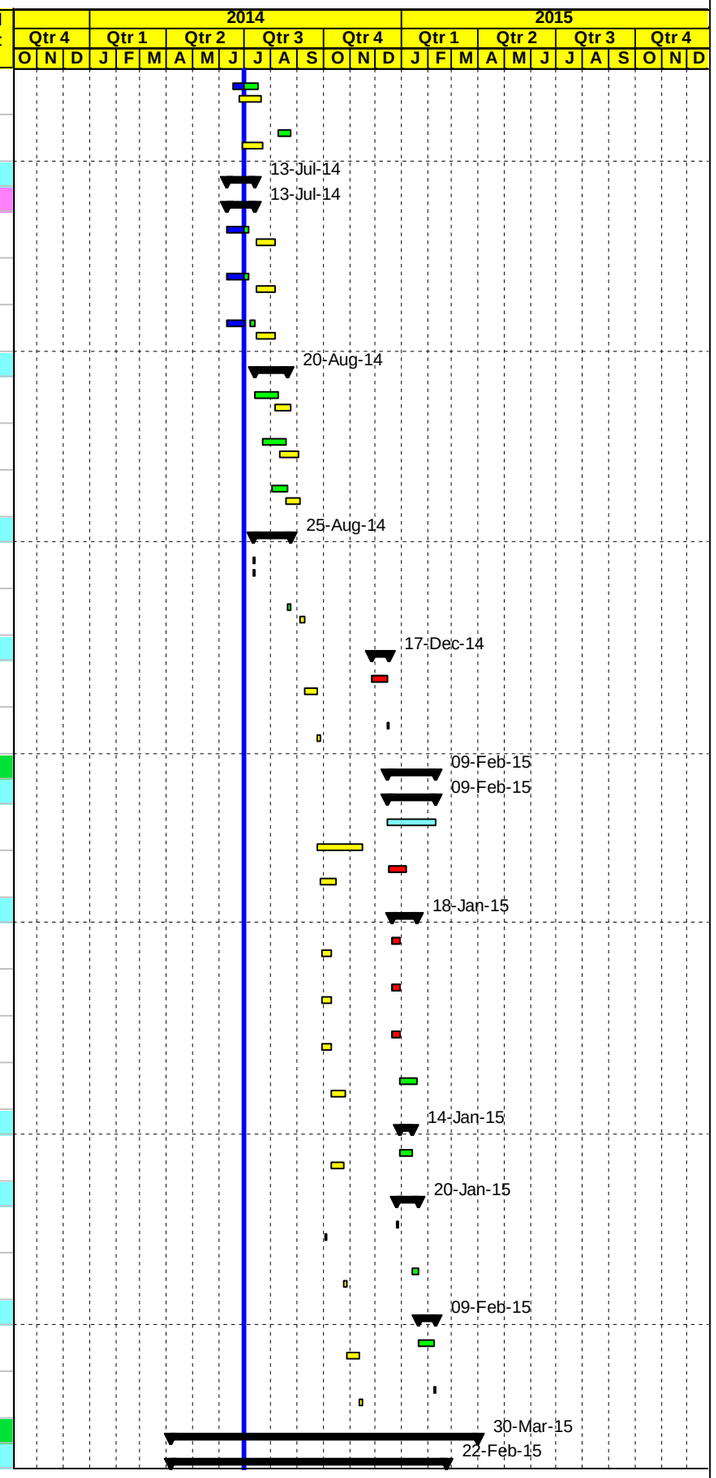
NHT2950	Excavation for reconstruction road including subgrade and backfilling if required	14d	40%	8d	25-Jun-14	20-Jul-14	18-Jun-14 A	16-Jul-14	12d
NHT2960	Construct - 1.5x15m Box culvert @ Sta.A2+225 with concrete inlet and outlet	14d	0%	14d	29-Jun-14	23-Jul-14	09-Aug-14	24-Aug-14	13d
Pipe Installation		92d		6d	14-Jul-14	06-Aug-14	11-Jun-14 A	13-Jul-14	222d
50 mm dist. Pipe		92d		6d	14-Jul-14	06-Aug-14	11-Jun-14 A	13-Jul-14	222d
NHT2985	Trench excavation 50 mm dist. Pipe from A2+190 to sta. A3+310 l	12d	80%	2d	14-Jul-14	06-Aug-14	11-Jun-14 A	05-Jul-14	226d
NHT2987	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection	12d	80%	2d	14-Jul-14	06-Aug-14	11-Jun-14 A	05-Jul-14	226d
NHT2999	Backfill the pipe trench with (single size aggregate) to the required level	12d	80%	2d	14-Jul-14	06-Aug-14	11-Jun-14 A	13-Jul-14	13d
Chamber work		25d		25d	06-Aug-14	04-Sep-14	13-Jul-14	20-Aug-14	13d
NHT3035	Construct - AR/AV Valve chamber @ Sta.A3+120, A3+249 & A3+320	16d	0%	16d	06-Aug-14	25-Aug-14	13-Jul-14	10-Aug-14	22d
NHT3020	Construct - Wash out Valve chamber @ Sta.A2+222,A2+973,A3+187, & A3+281.	18d	0%	18d	12-Aug-14	02-Sep-14	22-Jul-14	18-Aug-14	13d
NHT3030	Construct - Butterfly Valve chamber @ Sta.A2+590	15d	0%	15d	18-Aug-14	04-Sep-14	03-Aug-14	20-Aug-14	13d
Testing		44d		44d	12-Jul-14	09-Sep-14	12-Jul-14	25-Aug-14	15d
NHT3033	Radiographic Testing (RT)	1d	0%	1d	12-Jul-14	12-Jul-14	12-Jul-14	12-Jul-14	3d
NHT3040	Pressure Testing	4d	0%	4d	04-Sep-14	09-Sep-14	20-Aug-14	25-Aug-14	13d
Base course and Asphalt		16d		16d	09-Sep-14	28-Sep-14	26-Nov-14	17-Dec-14	75d
NHT3050	20 cm thick for base course layer	14d	0%	14d	09-Sep-14	25-Sep-14	26-Nov-14	15-Dec-14	-62d
NHT3055	7cm asphalt wearing course including prime coat	2d	0%	2d	25-Sep-14	28-Sep-14	15-Dec-14	17-Dec-14	75d
SEG.C From St.C0+000 -St.C0+330 (Residential area)		56d		56d	25-Sep-14	16-Nov-14	15-Dec-14	09-Feb-15	48d
Safety and Excavation		39d		39d	25-Sep-14	16-Nov-14	15-Dec-14	09-Feb-15	40d
NHT3060	Maintain traffic control and safety plan with coordination	39d	0%	39d	25-Sep-14	16-Nov-14	15-Dec-14	09-Feb-15	40d
NHT3070	Excavation for reconstruction road including subgrade and backfilling if required	12d	0%	12d	28-Sep-14	16-Oct-14	17-Dec-14	05-Jan-15	-62d
Pipe Installation		19d		19d	30-Sep-14	27-Oct-14	21-Dec-14	18-Jan-15	42d
NHT3080	Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from C0+000 to sta. C0+330 (330 LM)	5d	0%	5d	30-Sep-14	11-Oct-14	21-Dec-14	29-Dec-14	-42d
NHT3090	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (330 LM)	5d	0%	5d	30-Sep-14	11-Oct-14	21-Dec-14	29-Dec-14	-42d
NHT3100	Backfill the pipe trench with (single size aggregate) to the required level (330 LM)	5d	0%	5d	30-Sep-14	11-Oct-14	21-Dec-14	29-Dec-14	-42d
NHT3105	Water meters and House connection	14d	0%	14d	11-Oct-14	27-Oct-14	29-Dec-14	18-Jan-15	42d
Chamber work		12d		12d	11-Oct-14	25-Oct-14	29-Dec-14	14-Jan-15	40d
NHT3110	Construct -Nahaleen Connection chamber @ Sta.C0+320	12d	0%	12d	11-Oct-14	25-Oct-14	29-Dec-14	14-Jan-15	40d
Testing		25d		25d	04-Oct-14	29-Oct-14	27-Dec-14	20-Jan-15	52d
NHT3115	Radiographic Testing (RT)	1d	0%	1d	04-Oct-14	04-Oct-14	27-Dec-14	27-Dec-14	-8d
NHT3120	Pressure Testing	4d	0%	4d	25-Oct-14	29-Oct-14	14-Jan-15	20-Jan-15	40d
Base course and Asphalt		14d		14d	29-Oct-14	16-Nov-14	20-Jan-15	09-Feb-15	40d
NHT3130	20 cm thick for base course layer	12d	0%	12d	29-Oct-14	12-Nov-14	20-Jan-15	07-Feb-15	40d
NHT3170	7 cm Asphalt wearing course including prime coat	2d	0%	2d	12-Nov-14	16-Nov-14	07-Feb-15	09-Feb-15	40d
SEG.E From Sta. E0+000 to Sta.E1+276		269d		204d	16-Oct-14	12-Jan-15	05-Apr-14 A	30-Mar-15	0d
From Sta. E0+000 to Sta.E0+650		238d		174d	16-Oct-14	30-Nov-14	06-Apr-14 A	22-Feb-15	28d



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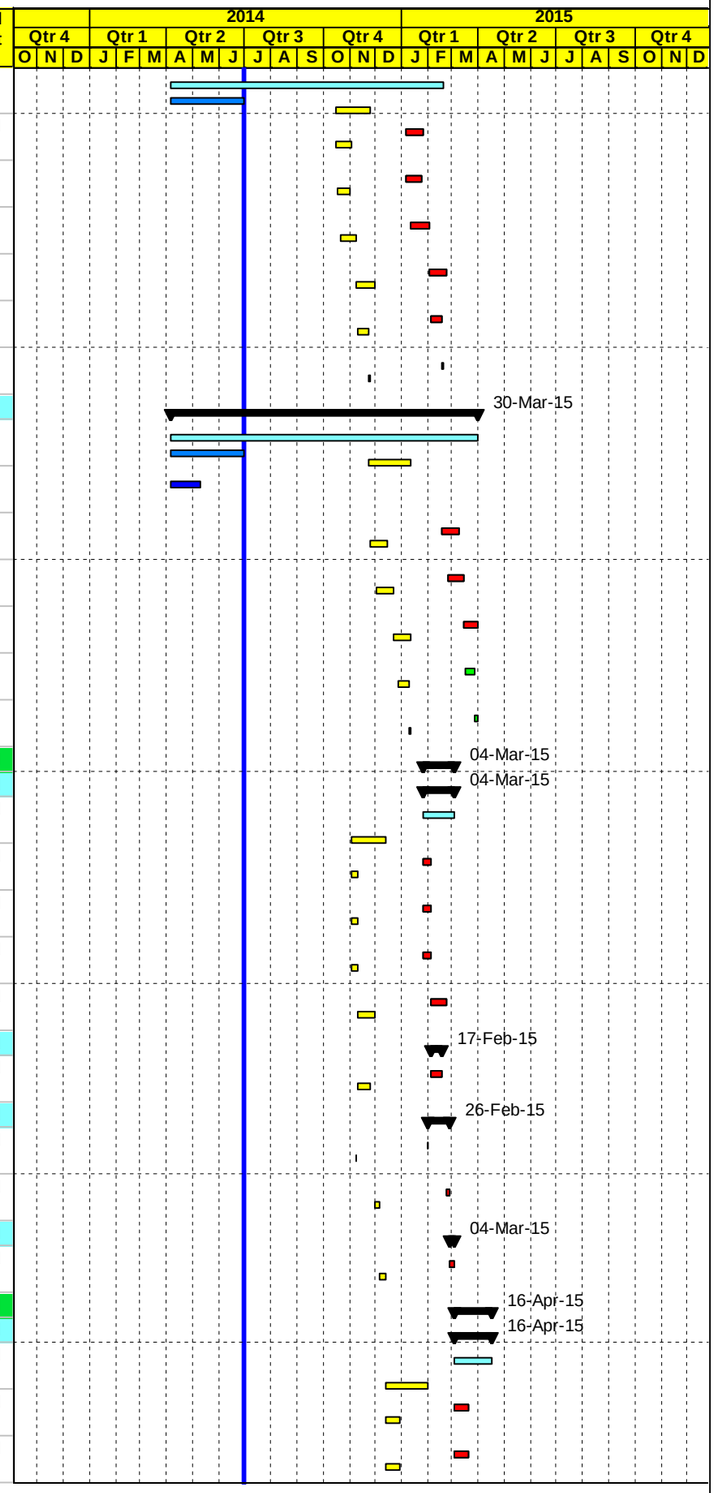
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	20.14%	171d	16-Oct-14	26-Nov-14	06-Apr-14 A	18-Feb-15	31d
NHT3190	Excavation for reconstruction road including subgrade and backfilling if required	15d	0%	15d	16-Oct-14	03-Nov-14	05-Jan-15	26-Jan-15	-62d
NHT3210	PVC conduct cable for street lighting	13d	0%	13d	18-Oct-14	02-Nov-14	06-Jan-15	25-Jan-15	-1d
NHT3220	20 cm thick for first base course layer	16d	0%	16d	21-Oct-14	09-Nov-14	11-Jan-15	02-Feb-15	-1d
NHT3230	20 cm thick for second base course layer	16d	0%	16d	09-Nov-14	30-Nov-14	02-Feb-15	22-Feb-15	-1d
NHT3240	Curbstone ,concrete side walks, ramps including 15 cm base course under side walk	9d	0%	9d	11-Nov-14	24-Nov-14	04-Feb-15	16-Feb-15	-1d
NHT3245	7 cm Asphalt wearing course including prime	2d	0%	2d	24-Nov-14	26-Nov-14	16-Feb-15	18-Feb-15	31d
From Sta. E0+650 to Sta.E1+276		269d		204d	24-Nov-14	12-Jan-15	05-Apr-14 A	30-Mar-15	0d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	9.8%	204d	24-Nov-14	12-Jan-15	05-Apr-14 A	30-Mar-15	0d
NHT3255-new	Construct R.Concrete Retaining wall from Sta. E1+100 to E1+116 RHS (16 LM)	21d	100%	0d			06-Apr-14 A	11-May-14 A	
NHT3260	Excavation for reconstruction road including subgrade and backfilling if required	15d	0%	15d	25-Nov-14	15-Dec-14	17-Feb-15	08-Mar-15	-1d
NHT3270	20 cm thick for first base course layer	14d	0%	14d	02-Dec-14	22-Dec-14	24-Feb-15	14-Mar-15	-1d
NHT3280	20 cm thick for second base course layer	14d	0%	14d	22-Dec-14	12-Jan-15	14-Mar-15	30-Mar-15	-1d
NHT3290	Curbstone ,concrete side walks, ramps including 15 cm base course under side walk	9d	0%	9d	28-Dec-14	10-Jan-15	17-Mar-15	28-Mar-15	0d
NHT3295	7 cm Asphalt wearing course including prime	2d	0%	2d	10-Jan-15	12-Jan-15	28-Mar-15	30-Mar-15	0d
Hussan Distribution pipes		37d		37d	03-Nov-14	13-Dec-14	26-Jan-15	04-Mar-15	-82d
Safety and Pipe Installation		30d		30d	03-Nov-14	13-Dec-14	26-Jan-15	04-Mar-15	-62d
NHT3310	Maintain traffic control and safety plan ,coordination for relocation utilities and others	30d	0%	30d	03-Nov-14	13-Dec-14	26-Jan-15	04-Mar-15	-62d
NHT3320	Trench excavation for 100mm main pipeline at Hussan village length approx. (430 LM)	7d	0%	7d	03-Nov-14	11-Nov-14	26-Jan-15	04-Feb-15	-62d
NHT3330	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (430 LM)	7d	0%	7d	03-Nov-14	11-Nov-14	26-Jan-15	04-Feb-15	-62d
NHT3340	Backfill the pipe trench with (single size aggregate) to the required level	7d	0%	7d	03-Nov-14	11-Nov-14	26-Jan-15	04-Feb-15	-62d
NHT3345	Water meters and House connection	14d	0%	14d	11-Nov-14	30-Nov-14	04-Feb-15	22-Feb-15	-62d
Chamber work		10d		10d	11-Nov-14	25-Nov-14	04-Feb-15	17-Feb-15	-58d
NHT3350	Construct AR/AV Valve chamber @ Hussan village	10d	0%	10d	11-Nov-14	25-Nov-14	04-Feb-15	17-Feb-15	-58d
Testing		27d		27d	08-Nov-14	06-Dec-14	31-Jan-15	26-Feb-15	-83d
NHT3354	Radiographic Testing (RT)	1d	0%	1d	08-Nov-14	08-Nov-14	31-Jan-15	31-Jan-15	-12d
NHT3360	Pressure Testing	4d	0%	4d	30-Nov-14	06-Dec-14	22-Feb-15	26-Feb-15	-62d
Asphalt		5d		5d	06-Dec-14	13-Dec-14	26-Feb-15	04-Mar-15	-62d
NHT3370	Restoration pavement full width	5d	0%	5d	06-Dec-14	13-Dec-14	26-Feb-15	04-Mar-15	-62d
Battir Distribution pipes		43d		43d	13-Dec-14	01-Feb-15	04-Mar-15	16-Apr-15	-17d
Safety and Pipe Installation		35d		35d	13-Dec-14	01-Feb-15	04-Mar-15	16-Apr-15	-14d
NHT3380	Maintain traffic control and safety plan ,coordination	35d	0%	35d	13-Dec-14	01-Feb-15	04-Mar-15	16-Apr-15	-14d
NHT3390	Trench excavation for 150mm main pipeline at Battir village length approx. (950 LM)	12d	0%	12d	13-Dec-14	30-Dec-14	04-Mar-15	19-Mar-15	-62d
NHT3400	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection(950 LM)	12d	0%	12d	13-Dec-14	30-Dec-14	04-Mar-15	19-Mar-15	-62d



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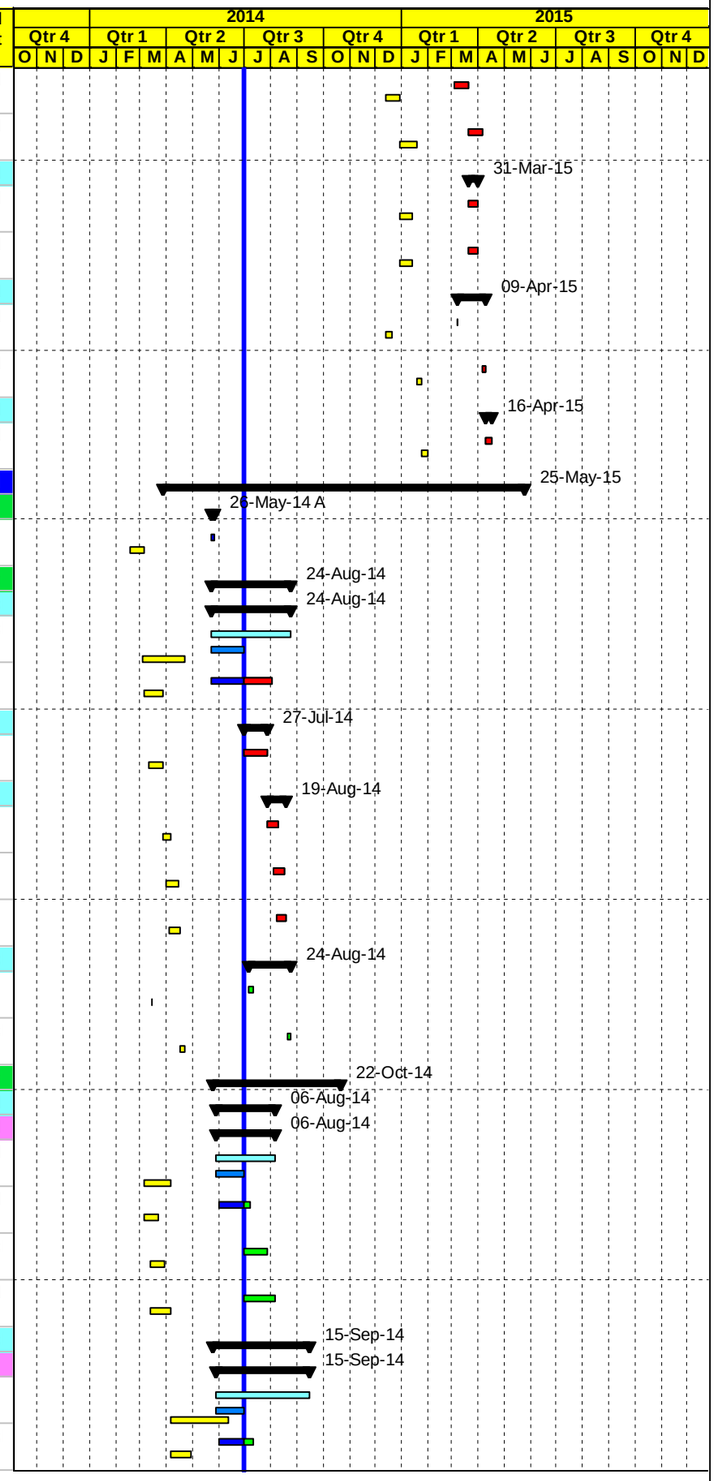
NHT3410	Backfill the pipe trench with (single size aggregate) to the required level	12d	0%	12d	13-Dec-14	30-Dec-14	04-Mar-15	19-Mar-15	-62d
NHT3415	Water meters and House connection	14d	0%	14d	30-Dec-14	19-Jan-15	19-Mar-15	05-Apr-15	-62d
Chamber work		10d		10d	30-Dec-14	13-Jan-15	19-Mar-15	31-Mar-15	-58d
NHT3420	Construct -Gate Valve chamber @ Battir village	10d	0%	10d	30-Dec-14	13-Jan-15	19-Mar-15	31-Mar-15	-58d
NHT3422	Construct - PRV chamber @ Battir village	10d	0%	10d	30-Dec-14	13-Jan-15	19-Mar-15	31-Mar-15	-58d
Testing		34d		34d	13-Dec-14	25-Jan-15	07-Mar-15	09-Apr-15	-75d
NHT3425	Radiographic Testing (RT)	1d	0%	1d	13-Dec-14	20-Dec-14	07-Mar-15	07-Mar-15	-10d
NHT3430	Pressure Testing	4d	0%	4d	19-Jan-15	25-Jan-15	05-Apr-15	09-Apr-15	-62d
Asphalt		5d		5d	25-Jan-15	01-Feb-15	09-Apr-15	16-Apr-15	-14d
NHT3440	Restoration pavement full width	5d	0%	5d	25-Jan-15	01-Feb-15	09-Apr-15	16-Apr-15	-14d
Group Two Seg D , SEG.A Road From Sta. 3+320 to Sta. A8+203 and Seg. B		456d		329d	17-Feb-14	09-Apr-15	27-Mar-14 A	25-May-15	-27d
Implementation traffic control and safety plan		3d		0d	17-Feb-14	05-Mar-14	24-May-14 A	26-May-14 A	
NHT3445	Implementation traffic control and safety plan	3d	100%	0d	17-Feb-14	05-Mar-14	24-May-14 A	26-May-14 A	
SEG.D From Sta.D0+518 to Sta.D0+000 (Non-Residential area)		173d		55d	04-Mar-14	22-Apr-14	22-May-14 A	24-Aug-14	238d
Safety, Excavation and Concrete Works		68d		35d	04-Mar-14	22-Apr-14	22-May-14 A	24-Aug-14	185d
NHT3450	Maintain traffic control and safety plan ,coordination for relocation utilities and others	39d	10.55%	35d	04-Mar-14	22-Apr-14	22-May-14 A	24-Aug-14	185d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	16d	05-Mar-14	27-Mar-14	24-May-14 A	03-Aug-14	-2d
Pipe Installation		14d		14d	11-Mar-14	27-Mar-14	01-Jul-14	27-Jul-14	-2d
NHT3470	Install 300 mm main steel pipe line and cast concrete above supports (518 Lm)	14d	0%	14d	11-Mar-14	27-Mar-14	01-Jul-14	27-Jul-14	-2d
Chamber work		17d		17d	27-Mar-14	16-Apr-14	27-Jul-14	19-Aug-14	-2d
NHT3480	Construct - Butterfly Valve chamber @ Sta.D0+504	8d	0%	8d	27-Mar-14	06-Apr-14	27-Jul-14	09-Aug-14	-2d
NHT3490	Construct - Wash out Valve chamber @ Sta.D0+500 & D0+080	11d	0%	11d	01-Apr-14	14-Apr-14	05-Aug-14	17-Aug-14	-2d
NHT3500	Construct - AR/AV Valve chamber @ Sta.D0+110 & D0+068	11d	0%	11d	03-Apr-14	16-Apr-14	07-Aug-14	19-Aug-14	-2d
Testing		51d		51d	15-Mar-14	22-Apr-14	05-Jul-14	24-Aug-14	238d
NHT3515	Radiographic Testing (RT)	1d	0%	1d	15-Mar-14	15-Mar-14	05-Jul-14	12-Jul-14	40d
NHT3520	Pressure Testing	4d	0%	4d	16-Apr-14	22-Apr-14	20-Aug-14	24-Aug-14	185d
SEG.A From Sta.A3+320 to Sta.A5+800		144d		114d	05-Mar-14	04-Aug-14	25-May-14 A	22-Oct-14	188d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		46d		20d	05-Mar-14	06-Apr-14	29-May-14 A	06-Aug-14	118d
Safety, Excavation, Culvert and Base course		46d		20d	05-Mar-14	06-Apr-14	29-May-14 A	06-Aug-14	118d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	29d	31.03%	20d	05-Mar-14	06-Apr-14	29-May-14 A	06-Aug-14	118d
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widening	14d	70%	4d	05-Mar-14	23-Mar-14	02-Jun-14 A	08-Jul-14	118d
NHT3560	Construct -LHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with concrete outlet	14d	0%	14d	13-Mar-14	30-Mar-14	01-Jul-14	27-Jul-14	124d
NHT3570	Subgrade and Install first and second layer of 20 cm base course for widening the road LHS	20d	0%	20d	13-Mar-14	06-Apr-14	01-Jul-14	06-Aug-14	118d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		105d		77d	06-Apr-14	12-Jun-14	26-May-14 A	15-Sep-14	220d
Safety, Excavation, Culvert , concrete channel and Basecourse		60d		54d	06-Apr-14	12-Jun-14	29-May-14 A	15-Sep-14	89d
NHT3580	Maintain traffic control and safety plan ,coordination for relocation utilities and others	60d	10%	54d	06-Apr-14	12-Jun-14	29-May-14 A	15-Sep-14	89d
NHT3590	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	20d	70%	6d	06-Apr-14	30-Apr-14	02-Jun-14 A	12-Jul-14	105d



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

Date	Revision	Checked	Approved
03-Jul-14			

APCO ArCon
CONSTRUCTION AND SERVICES

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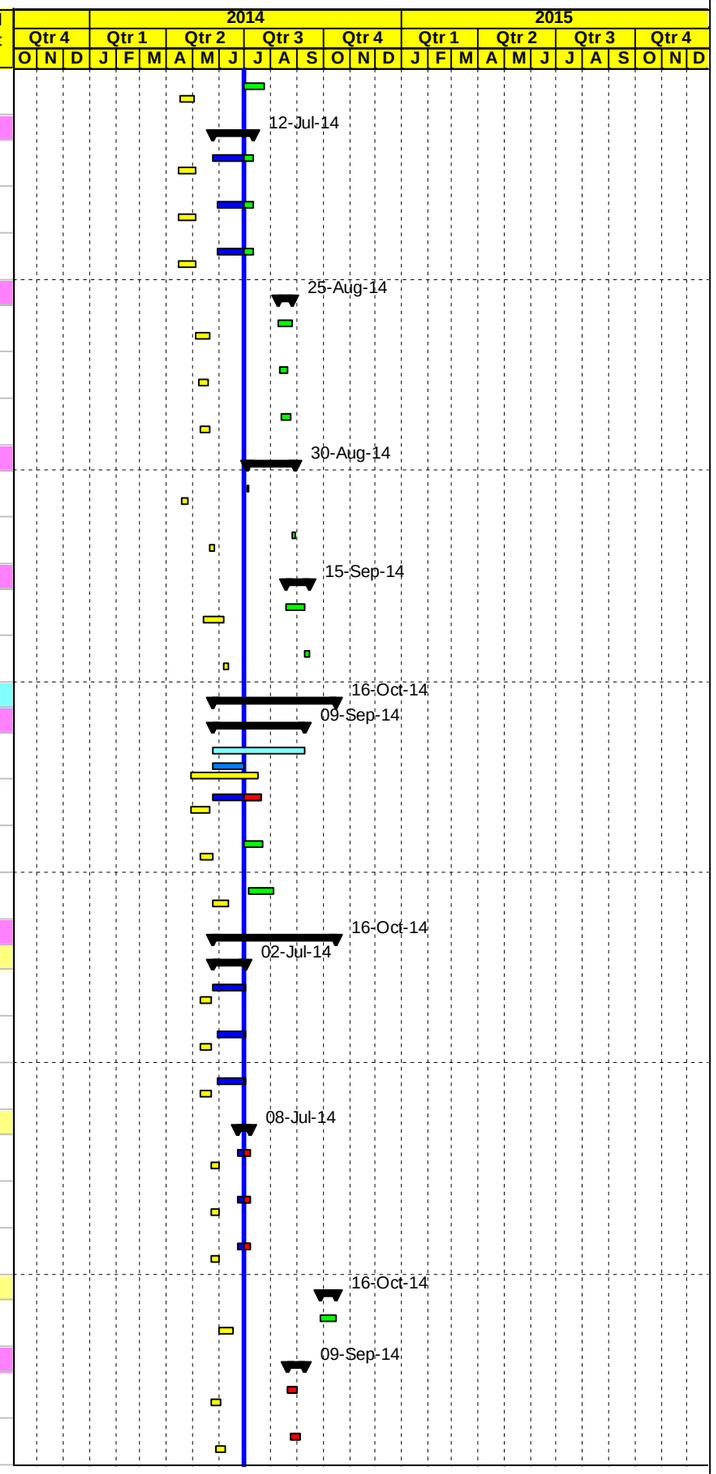
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT3600	Construct -RHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with inlet	13d	0%	13d	16-Apr-14	04-May-14	01-Jul-14	24-Jul-14	105d
Pipe Installation		15d		6d	15-Apr-14	05-May-14	26-May-14 A	12-Jul-14	112d
NHT3620	Trench excavation for 250 mm main pipeline from A3+350 to sta.A4+560 with length approx. (1210LM)	15d	60%	6d	15-Apr-14	05-May-14	26-May-14 A	12-Jul-14	112d
NHT3630	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1210LM)	15d	60%	6d	15-Apr-14	05-May-14	31-May-14 A	12-Jul-14	105d
NHT3640	Backfill the pipe trench with (single size aggregate) to the required level (1210LM)	15d	60%	6d	15-Apr-14	05-May-14	31-May-14 A	12-Jul-14	104d
Chamber work		15d		15d	05-May-14	22-May-14	09-Aug-14	25-Aug-14	89d
NHT3650	Construct - Wash out Valve chamber @ Sta.3+612, 3+811 & 4+092	15d	0%	15d	05-May-14	22-May-14	09-Aug-14	25-Aug-14	89d
NHT3660	Construct - AR/AV Valve chamber @ Sta.A3+721	9d	0%	9d	08-May-14	19-May-14	12-Aug-14	21-Aug-14	89d
NHT3670	Construct - Butterfly Valve chamber @ Sta.A4+088	9d	0%	9d	11-May-14	21-May-14	14-Aug-14	24-Aug-14	89d
Testing		57d		57d	19-Apr-14	27-May-14	05-Jul-14	30-Aug-14	236d
NHT3675	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	26-Apr-14	05-Jul-14	05-Jul-14	20d
NHT3680	Pressure Testing	4d	0%	4d	22-May-14	27-May-14	26-Aug-14	30-Aug-14	184d
Base course and Stone Wall		25d		25d	14-May-14	12-Jun-14	18-Aug-14	15-Sep-14	89d
NHT3685	Subgrad and install first and second layer of 20 cm base course for widening the road	20d	0%	20d	14-May-14	07-Jun-14	18-Aug-14	09-Sep-14	89d
NHT3700	Construct - stone wall l from Sta.A3+360 to sta. A3+370 RHS	5d	0%	5d	07-Jun-14	12-Jun-14	10-Sep-14	15-Sep-14	89d
SEG.A From Sta.A4+560 to Sta.A5+800 RHS (Pipeline)		137d		108d	30-Apr-14	16-Jul-14	25-May-14 A	16-Oct-14	194d
Safety, Excavation and Concrete Works		75d		49d	30-Apr-14	16-Jul-14	25-May-14 A	09-Sep-14	175d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	49d	30-Apr-14	16-Jul-14	25-May-14 A	09-Sep-14	-2d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	40%	11d	30-Apr-14	22-May-14	26-May-14 A	21-Jul-14	-17d
NHT3720	Construct -RHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with inlet	12d	0%	12d	11-May-14	25-May-14	01-Jul-14	23-Jul-14	212d
NHT3725	Construct 600 & 400 mm precast Concrete pipe for storm sytem with manholes &catch basin from st. A5+480-A5+800 (320 LM)	16d	0%	16d	25-May-14	12-Jun-14	05-Jul-14	05-Aug-14	29d
Pipe Installation		102d		77d	11-May-14	17-Jun-14	26-May-14 A	16-Oct-14	147d
250 mm main pipeline		11d		1d	11-May-14	24-May-14	26-May-14 A	02-Jul-14	223d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+170	11d	90%	1d	11-May-14	24-May-14	26-May-14 A	02-Jul-14	29d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	11d	90%	1d	11-May-14	24-May-14	31-May-14 A	02-Jul-14	223d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level	11d	90%	1d	11-May-14	24-May-14	31-May-14 A	02-Jul-14	28d
250 mm main pipeline with 50 mm dist. Pipe		7d		4d	24-May-14	01-Jun-14	23-Jun-14 A	08-Jul-14	-1d
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+170 to A5+800	7d	40%	4d	24-May-14	01-Jun-14	23-Jun-14 A	08-Jul-14	-1d
NHT3763	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	7d	40%	4d	24-May-14	01-Jun-14	24-Jun-14 A	08-Jul-14	-1d
NHT3766	Backfill the pipe trench with (single size aggregate) to the required level	7d	40%	4d	24-May-14	01-Jun-14	24-Jun-14 A	08-Jul-14	-1d
House connection		14d		14d	01-Jun-14	17-Jun-14	27-Sep-14	16-Oct-14	66d
NHT3769	Water meters and House connection	14d	0%	14d	01-Jun-14	17-Jun-14	27-Sep-14	16-Oct-14	66d
Chamber work		18d		18d	24-May-14	14-Jun-14	20-Aug-14	09-Sep-14	-2d
NHT3790	Construct - Wash out Valve chamber @ 5+590	10d	0%	10d	24-May-14	04-Jun-14	20-Aug-14	31-Aug-14	-2d
NHT3800	Construct - Butterfly Valve chamber @ A5+587	10d	0%	10d	28-May-14	09-Jun-14	25-Aug-14	04-Sep-14	-2d



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

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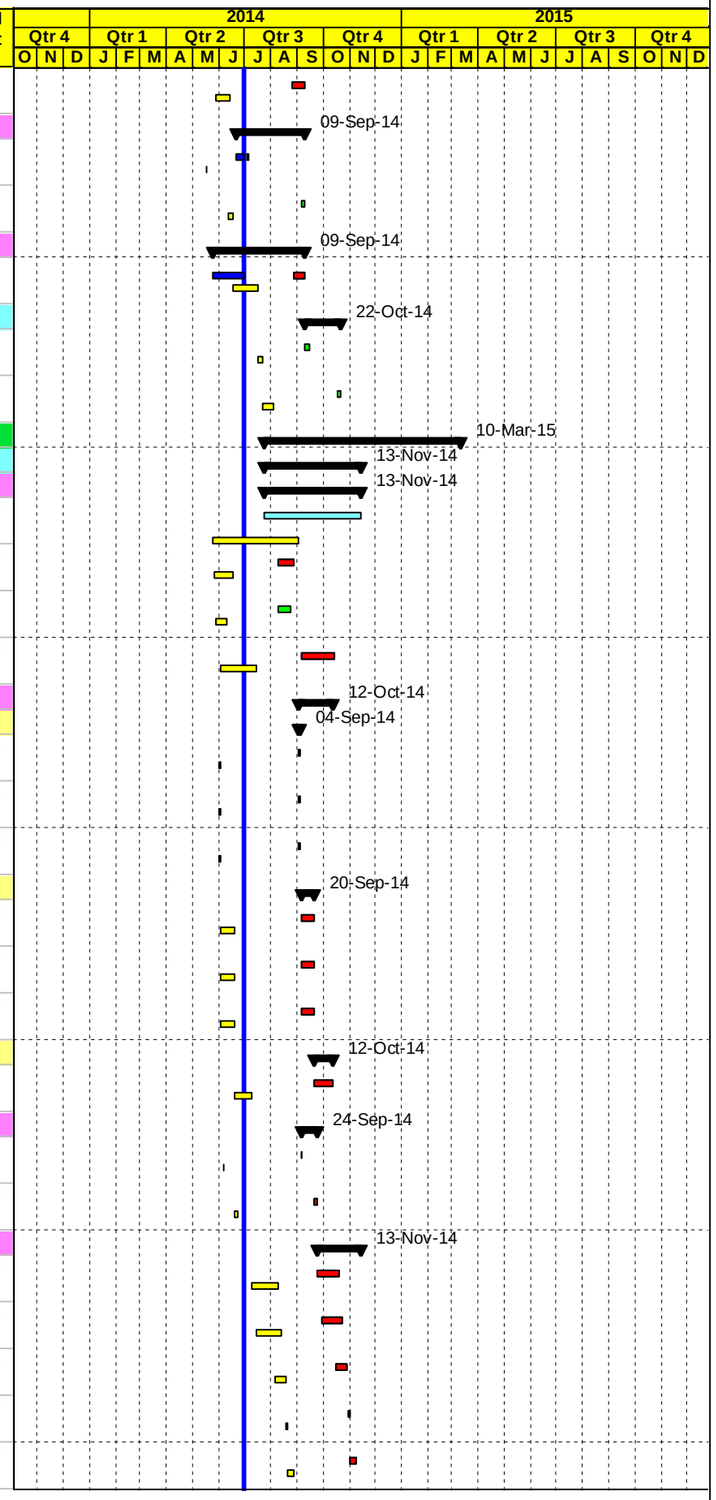
NHT3810	Construct -250mm flow monitoring chamber @ Sta.A5+725	13d	0%	13d	29-May-14	14-Jun-14	26-Aug-14	09-Sep-14	-2d
Testing		95d		67d	17-May-14	17-Jun-14	22-Jun-14 A	09-Sep-14	231d
NHT3815	Radiographic Testing (RT)	1d	50%	1d	17-May-14	17-May-14	22-Jun-14 A	05-Jul-14	1d
NHT3820	Pressure Testing	4d	0%	4d	12-Jun-14	17-Jun-14	06-Sep-14	09-Sep-14	179d
Base course		20d		12d	17-Jun-14	16-Jul-14	26-May-14 A	09-Sep-14	-2d
NHT3830	Subgrad and install first and second layer of 20 cm base course for widening the road	20d	40%	12d	17-Jun-14	16-Jul-14	26-May-14 A	09-Sep-14	-2d
SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS (Asphalt -work)		33d		33d	16-Jul-14	04-Aug-14	10-Sep-14	22-Oct-14	66d
NHT3840	Asphalt milling for the existing road	4d	0%	4d	16-Jul-14	23-Jul-14	10-Sep-14	14-Sep-14	90d
NHT3850	7 cm Asphalt wearing layer for road widening & 5cm overlay asphalt above milling road area including prime& tack coat	5d	0%	5d	23-Jul-14	04-Aug-14	18-Oct-14	22-Oct-14	66d
SEG.A From Sta.A5+800 to Sta. 7+460		230d		230d	25-May-14	10-Dec-14	24-Jul-14	10-Mar-15	0d
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Residential area)		113d		113d	25-May-14	03-Sep-14	24-Jul-14	13-Nov-14	-31d
Safety, Excavation, Pipe Culvert and storm system		88d		88d	25-May-14	03-Sep-14	24-Jul-14	13-Nov-14	-27d
NHT3860	Maintain traffic control and safety plan ,coordination for relocation utilities and others	88d	0%	88d	25-May-14	03-Sep-14	24-Jul-14	13-Nov-14	-27d
NHT3870	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	18d	0%	18d	27-May-14	17-Jun-14	09-Aug-14	28-Aug-14	-23d
NHT3880	Construct -RHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with outlet	12d	0%	12d	28-May-14	11-Jun-14	10-Aug-14	23-Aug-14	1d
NHT3890	Construct 600 &400 mm precast concrete pipe for storm sytem with manholes &catch basin from st. A5+800 to A6+630	30d	0%	30d	04-Jun-14	14-Jul-14	06-Sep-14	14-Oct-14	-38d
Pipe Installation		31d		31d	01-Jun-14	10-Jul-14	02-Sep-14	12-Oct-14	-7d
200 mm main pipeline with 100 mm dist. Pipe		3d		3d	01-Jun-14	04-Jun-14	02-Sep-14	04-Sep-14	-39d
NHT3900	Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from A5+800 to sta.A5+840 length approx. (40 LM)	3d	0%	3d	01-Jun-14	04-Jun-14	02-Sep-14	04-Sep-14	-39d
NHT3905	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (40 LM)	3d	0%	3d	01-Jun-14	04-Jun-14	02-Sep-14	04-Sep-14	-39d
NHT3908	Backfill the pipe trench with (single size aggregate) to the required level (40 LM)	3d	0%	3d	01-Jun-14	04-Jun-14	02-Sep-14	04-Sep-14	-39d
200 mm main pipeline with 150 mm dist. Pipe		13d		13d	04-Jun-14	19-Jun-14	06-Sep-14	20-Sep-14	-39d
NHT3910	Trench excavation for 200mm main pipeline with 150 mm dist. Pipe from A5+840 to sta.A6+630 length (790 LM)	13d	0%	13d	04-Jun-14	19-Jun-14	06-Sep-14	20-Sep-14	-39d
NHT3920	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (790 LM)	13d	0%	13d	04-Jun-14	19-Jun-14	06-Sep-14	20-Sep-14	-39d
NHT3930	Backfill the pipe trench with (single size aggregate) to the required level (790 LM)	13d	0%	13d	04-Jun-14	19-Jun-14	06-Sep-14	20-Sep-14	-39d
House connection		15d		15d	19-Jun-14	10-Jul-14	21-Sep-14	12-Oct-14	-7d
NHT3935	Water meters and House connection	15d	0%	15d	19-Jun-14	10-Jul-14	21-Sep-14	12-Oct-14	-7d
Testing		19d		19d	07-Jun-14	24-Jun-14	06-Sep-14	24-Sep-14	-31d
NHT3937	Radiographic Testing (RT)	1d	0%	1d	07-Jun-14	07-Jun-14	06-Sep-14	06-Sep-14	-5d
NHT3940	Pressure Testing	4d	0%	4d	19-Jun-14	24-Jun-14	21-Sep-14	24-Sep-14	-27d
Base course Side walk and asphalt		39d		39d	09-Jul-14	03-Sep-14	25-Sep-14	13-Nov-14	-27d
NHT3950	20 cm thick for first base course layer	18d	0%	18d	09-Jul-14	10-Aug-14	25-Sep-14	20-Oct-14	-27d
NHT3960	20 cm thick for second base course layer	18d	0%	18d	14-Jul-14	13-Aug-14	29-Sep-14	23-Oct-14	-27d
NHT3970	Foundation and PVC conduit cable for street lighting	12d	0%	12d	05-Aug-14	19-Aug-14	16-Oct-14	29-Oct-14	-27d
NHT3980	5cm asphalt binder course including prime coat	2d	0%	2d	19-Aug-14	21-Aug-14	30-Oct-14	01-Nov-14	-27d
NHT3990	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	21-Aug-14	28-Aug-14	02-Nov-14	08-Nov-14	-27d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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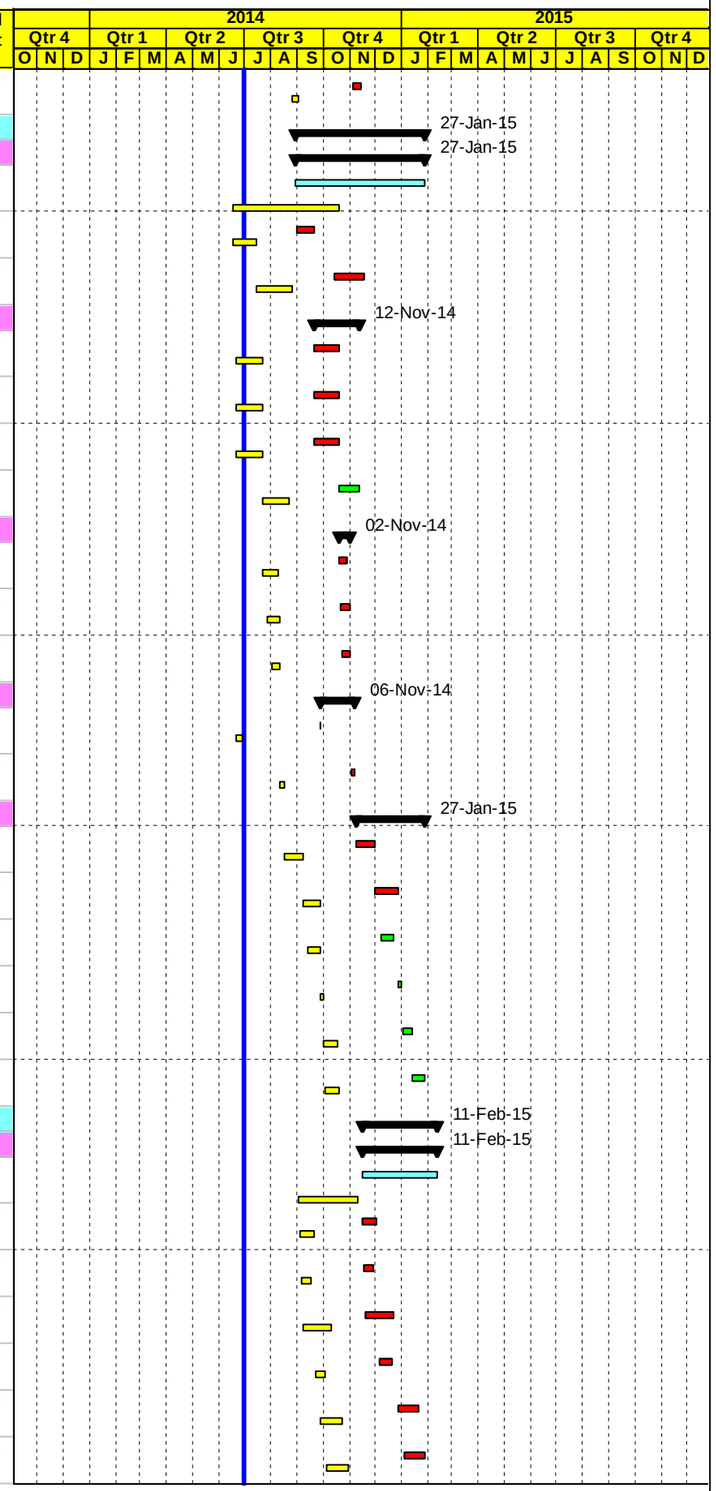
NHT4000	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	8d	0%	8d	25-Aug-14	03-Sep-14	05-Nov-14	13-Nov-14	-27d
SEG.A From Sta.A6+630 to Sta. 7+460 RHS (Residential area)		151d		151d	17-Jun-14	20-Oct-14	30-Aug-14	27-Jan-15	22d
Safety, Excavation and storm system		115d		115d	17-Jun-14	20-Oct-14	30-Aug-14	27-Jan-15	17d
NHT4010	Maintain traffic control and safety plan ,coordination for relocation utilities and others	115d	0%	115d	17-Jun-14	20-Oct-14	30-Aug-14	27-Jan-15	17d
NHT4020	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	18d	0%	18d	18-Jun-14	14-Jul-14	31-Aug-14	20-Sep-14	-23d
NHT4030	Construct 600&400 mm precast concrete pipe for storm sytem with manholes & catch basin from st. A6+630 to A7+460	28d	0%	28d	14-Jul-14	25-Aug-14	15-Oct-14	17-Nov-14	-38d
Pipe Installation		42d		42d	21-Jun-14	23-Aug-14	21-Sep-14	12-Nov-14	61d
NHT4040	Trench excavation for 200mm main pipeline with 150 mm dist. Pipe from A6+630 to sta.A7+406.6 length (777 LM)	21d	0%	21d	21-Jun-14	23-Jul-14	21-Sep-14	19-Oct-14	-39d
NHT4050	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (777 LM)	21d	0%	21d	21-Jun-14	23-Jul-14	21-Sep-14	19-Oct-14	-39d
NHT4060	Backfill the pipe trench with (single size aggregate) to the required level	21d	0%	21d	21-Jun-14	23-Jul-14	21-Sep-14	19-Oct-14	-39d
NHT4065	Water meters and House connection	21d	0%	21d	23-Jul-14	23-Aug-14	20-Oct-14	12-Nov-14	61d
Chamber work		12d		12d	23-Jul-14	12-Aug-14	20-Oct-14	02-Nov-14	-39d
NHT4070	Construct - AR/AV Valve chamber @ Sta.A7+046	9d	0%	9d	23-Jul-14	09-Aug-14	20-Oct-14	29-Oct-14	-39d
NHT4080	Construct -200 Gate Valve chamber @ Sta.A7+085	9d	0%	9d	28-Jul-14	11-Aug-14	22-Oct-14	01-Nov-14	-39d
NHT4090	Construct - Wash out Valve chamber @ Sta.A7+187	9d	0%	9d	02-Aug-14	12-Aug-14	23-Oct-14	02-Nov-14	-39d
Testing		41d		41d	21-Jun-14	17-Aug-14	27-Sep-14	06-Nov-14	-50d
NHT4095	Radiographic Testing (RT)	1d	0%	1d	21-Jun-14	28-Jun-14	27-Sep-14	27-Sep-14	-4d
NHT4100	Pressure Testing	4d	0%	4d	12-Aug-14	17-Aug-14	03-Nov-14	06-Nov-14	-39d
Base course , street lighting ,Side walk ans asphalt		59d		59d	17-Aug-14	20-Oct-14	08-Nov-14	27-Jan-15	17d
NHT4110	20 cm thick for first base course layer	18d	0%	18d	17-Aug-14	07-Sep-14	08-Nov-14	30-Nov-14	-39d
NHT4120	20 cm thick for second base course layer	18d	0%	18d	07-Sep-14	28-Sep-14	01-Dec-14	27-Dec-14	-39d
NHT4130	Foundation and PVC conduit cable for street lighting	12d	0%	12d	13-Sep-14	27-Sep-14	08-Dec-14	23-Dec-14	18d
NHT4140	5cm asphalt binder course including prime coat	4d	0%	4d	28-Sep-14	02-Oct-14	28-Dec-14	31-Dec-14	17d
NHT4150	Construct curbstone after Saw cut the edge of asphalt binder course	9d	0%	9d	02-Oct-14	18-Oct-14	03-Jan-15	13-Jan-15	17d
NHT4160	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	10d	0%	10d	04-Oct-14	20-Oct-14	14-Jan-15	27-Jan-15	17d
SEG.A From Sta.A5+800 to Sta. 6+630 LHS (Residantial area)		64d		64d	03-Sep-14	11-Nov-14	16-Nov-14	11-Feb-15	14d
Safety, Excavation, Pipe Culvert, storm system and base course		64d		64d	03-Sep-14	11-Nov-14	16-Nov-14	11-Feb-15	14d
NHT4170	Maintain traffic control and safety plan ,coordination for relocation utilities and others	64d	0%	64d	03-Sep-14	11-Nov-14	16-Nov-14	11-Feb-15	14d
NHT4180	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	13d	0%	13d	04-Sep-14	20-Sep-14	17-Nov-14	02-Dec-14	-27d
NHT4190	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	9d	0%	9d	06-Sep-14	16-Sep-14	18-Nov-14	29-Nov-14	-25d
NHT4200	Construct 400 mm precast Concrete crossing pipe for storm system with catch basin from sta. A5+800 to A6+630	25d	0%	25d	07-Sep-14	11-Oct-14	19-Nov-14	22-Dec-14	-25d
NHT4230	Construct outfall 600mm concrete pipe as storm system with manholes&headwall for hussan @ st.A6+570 (134 LM)	10d	0%	10d	22-Sep-14	04-Oct-14	07-Dec-14	20-Dec-14	-17d
NHT4210	20 cm thick for first base course layer	18d	0%	18d	28-Sep-14	23-Oct-14	28-Dec-14	20-Jan-15	-39d
NHT4220	20 cm thick for second base course layer	18d	0%	18d	05-Oct-14	30-Oct-14	05-Jan-15	28-Jan-15	-39d



Project Baseline Bar
Level of effort Baseline
Milestone Early Bar
Baseline Milestone
Actual Work
Milestone Actual
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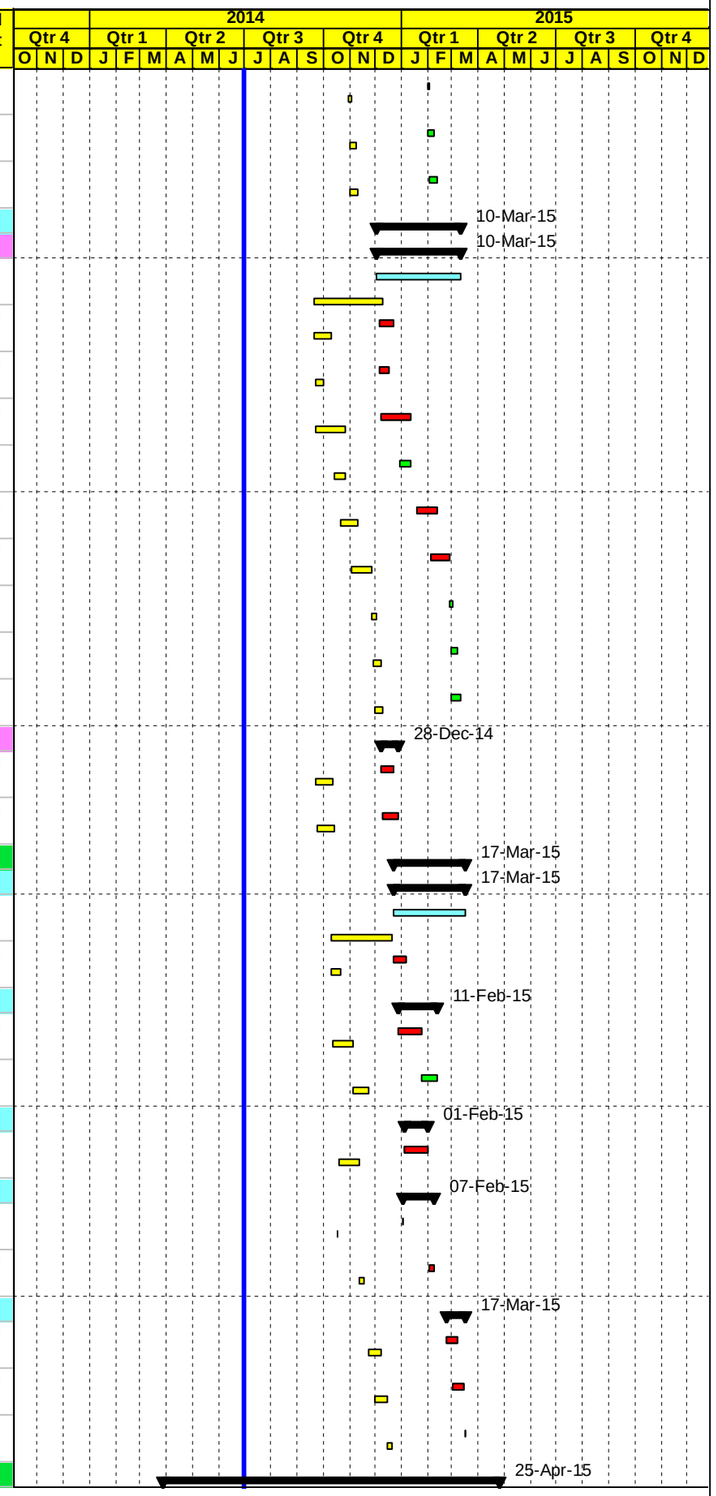
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT4240	5cm asphalt binder course including prime coat	4d	0%	4d	30-Oct-14	04-Nov-14	31-Jan-15	03-Feb-15	14d
NHT4250	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	01-Nov-14	08-Nov-14	01-Feb-15	08-Feb-15	14d
NHT4260	Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk	8d	0%	8d	02-Nov-14	11-Nov-14	02-Feb-15	11-Feb-15	14d
SEG.A From Sta.A6+630 to Sta. 7+460 LHS (Residential area)		72d		72d	20-Sep-14	10-Dec-14	03-Dec-14	10-Mar-15	0d
Safety, Excavation, Pipe Culvert, storm system, base course, Side walk and asphalt		72d		72d	20-Sep-14	10-Dec-14	03-Dec-14	10-Mar-15	0d
NHT4270	Maintain traffic control and safety plan ,coordination for relocation utilities and others	72d	0%	72d	20-Sep-14	10-Dec-14	03-Dec-14	10-Mar-15	0d
NHT4280	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	13d	0%	13d	21-Sep-14	11-Oct-14	06-Dec-14	22-Dec-14	-27d
NHT4290	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	9d	0%	9d	22-Sep-14	02-Oct-14	07-Dec-14	17-Dec-14	-25d
NHT4300	Construct 400 mm precast Concrete crossing pipe for storm system with catch basin from sta. A6+630 to A7+460	25d	0%	25d	23-Sep-14	27-Oct-14	08-Dec-14	12-Jan-15	-25d
NHT4330	Construct outfall 600mm concrete pipe as storm system with manholes&headwall for hussan @ A7+172 (150 LM)	10d	0%	10d	15-Oct-14	27-Oct-14	30-Dec-14	12-Jan-15	41d
NHT4310	20 cm thick for first base course layer	18d	0%	18d	21-Oct-14	11-Nov-14	19-Jan-15	11-Feb-15	-39d
NHT4320	20 cm thick for second base course layer	18d	0%	18d	04-Nov-14	27-Nov-14	04-Feb-15	25-Feb-15	-39d
NHT4340	5cm asphalt binder course including prime coat	4d	0%	4d	27-Nov-14	02-Dec-14	26-Feb-15	02-Mar-15	0d
NHT4350	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	29-Nov-14	07-Dec-14	28-Feb-15	07-Mar-15	0d
NHT4360	Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk	8d	0%	8d	30-Nov-14	10-Dec-14	01-Mar-15	10-Mar-15	0d
Chamber work		14d		14d	23-Sep-14	14-Oct-14	08-Dec-14	28-Dec-14	-18d
NHT4370	Construct -Hussan Connection chamber @ Sta.A7+390	12d	0%	12d	23-Sep-14	12-Oct-14	08-Dec-14	23-Dec-14	-18d
NHT4380	Construct -Battir Connection chamber @ Sta.A7+410	13d	0%	13d	24-Sep-14	14-Oct-14	09-Dec-14	28-Dec-14	-18d
SEG.A Road From Sta. 7+460 to Sta. A8+203		85d		85d	11-Oct-14	20-Dec-14	23-Dec-14	17-Mar-15	-1d
Safety and Excavation		64d		64d	11-Oct-14	20-Dec-14	23-Dec-14	17-Mar-15	-1d
NHT4390	Maintain traffic control and safety plan ,coordination for relocation utilities and others	64d	0%	64d	11-Oct-14	20-Dec-14	23-Dec-14	17-Mar-15	-1d
NHT4400	Excavation for reconstruction road including subgrade and backfilling if required	10d	0%	10d	11-Oct-14	22-Oct-14	23-Dec-14	06-Jan-15	-27d
Pipe Installation		34d		34d	13-Oct-14	24-Nov-14	28-Dec-14	11-Feb-15	25d
NHT4410	Trench Excavation, bedding, install & backfill for 50mm pipes (7+400 to 8+100) (700 LM)	20d	0%	20d	13-Oct-14	05-Nov-14	28-Dec-14	24-Jan-15	-27d
NHT4415	Water meters and House connection	14d	0%	14d	05-Nov-14	24-Nov-14	25-Jan-15	11-Feb-15	25d
Chamber Work		21d		21d	19-Oct-14	12-Nov-14	04-Jan-15	01-Feb-15	-27d
NHT4420	Gate Valves	21d	0%	21d	19-Oct-14	12-Nov-14	04-Jan-15	01-Feb-15	-27d
Testing		36d		36d	18-Oct-14	18-Nov-14	03-Jan-15	07-Feb-15	-39d
NHT4425	Radiographic Testing (RT)	1d	0%	1d	18-Oct-14	18-Oct-14	03-Jan-15	03-Jan-15	-2d
NHT4430	Pressure Testing	4d	0%	4d	12-Nov-14	18-Nov-14	02-Feb-15	07-Feb-15	-27d
Base course and Asphalt		20d		20d	23-Nov-14	20-Dec-14	22-Feb-15	17-Mar-15	-1d
NHT4440	20 cm thick for first base course layer	11d	0%	11d	23-Nov-14	07-Dec-14	22-Feb-15	07-Mar-15	-39d
NHT4450	20 cm thick for second base course layer	11d	0%	11d	01-Dec-14	16-Dec-14	02-Mar-15	15-Mar-15	-39d
NHT4460	5cm asphalt binder course including prime coat	2d	0%	2d	16-Dec-14	20-Dec-14	16-Mar-15	17-Mar-15	-1d
SEG.B From Sta. B0+000 to Sta. B0+985 RHS (Residential area)		279d		299d	22-Oct-14	03-Feb-15	27-Mar-14 A	25-Apr-15	-35d



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

Date	Revision	Checked	Approved
03-Jul-14			

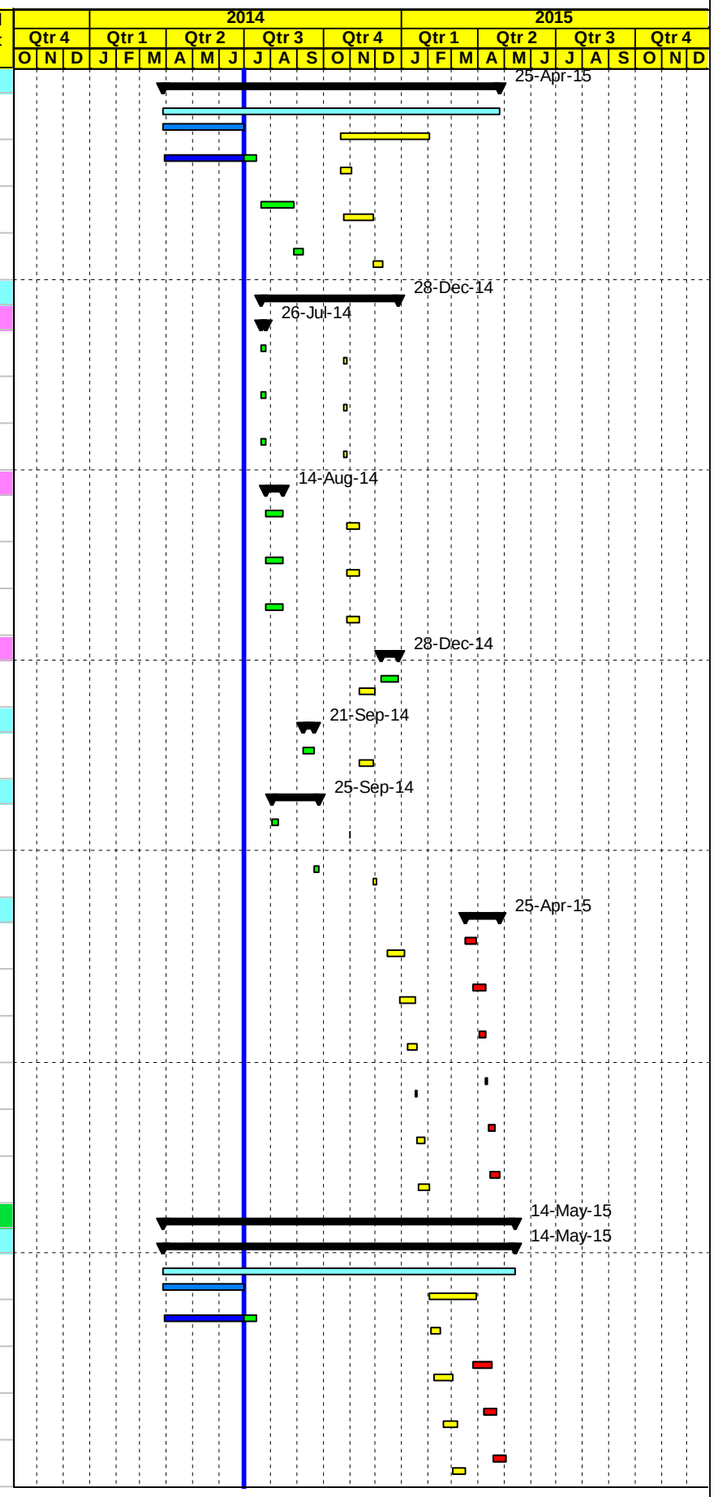
APCO ArCon
CONSTRUCTION AND SERVICES

Updated Construction Program

June 30, 2014

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
Safety, Excavation and Storm system		190d		225d	22-Oct-14	03-Feb-15	27-Mar-14 A	25-Apr-15	-29d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	225d	22-Oct-14	03-Feb-15	27-Mar-14 A	25-Apr-15	-29d
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	10d	20%	8d	22-Oct-14	03-Nov-14	29-Mar-14 A	15-Jul-14	104d
NHT4490	Construct 600 &400 mm precast concrete pipe for storm sytem with manholes & catch basin from sta. B0+000 to sta. B0+985	28d	0%	28d	25-Oct-14	29-Nov-14	20-Jul-14	28-Aug-14	114d
NHT4500	Construct outfall 600mm concrete pipe as storm system with manholes&headwall for hussan @ st.B0+537&B0+714(115 & 50 LM	8d	0%	8d	29-Nov-14	09-Dec-14	28-Aug-14	07-Sep-14	150d
Pipe Installation		122d		122d	25-Oct-14	01-Dec-14	20-Jul-14	28-Dec-14	55d
100 mm main pipeline from		3d		3d	25-Oct-14	28-Oct-14	20-Jul-14	26-Jul-14	93d
NHT4510	Trench excavation for 100 mm main pipeline from B0+010 to sta.B0+100 with length approx. (90 LM)	3d	0%	3d	25-Oct-14	28-Oct-14	20-Jul-14	26-Jul-14	93d
NHT4513	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (90 LM)	3d	0%	3d	25-Oct-14	28-Oct-14	20-Jul-14	26-Jul-14	93d
NHT4515	Backfill the pipe trench with (single size aggregate) to the required level (90 LM)	3d	0%	3d	25-Oct-14	28-Oct-14	20-Jul-14	26-Jul-14	93d
100 mm main pipeline with 100 mm dist. Pipe		13d		13d	28-Oct-14	12-Nov-14	26-Jul-14	14-Aug-14	93d
NHT4520	Trench excavation for 100mm main pipeline with 100 mm dist. Pipe from B0+100 to sta. B0+985 with length. (885 LM)	13d	0%	13d	28-Oct-14	12-Nov-14	26-Jul-14	14-Aug-14	93d
NHT4530	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (885 LM)	13d	0%	13d	28-Oct-14	12-Nov-14	26-Jul-14	14-Aug-14	93d
NHT4540	Backfill the pipe trench with (single size aggregate) to the required level	13d	0%	13d	28-Oct-14	12-Nov-14	26-Jul-14	14-Aug-14	93d
House connection		14d		14d	12-Nov-14	01-Dec-14	08-Dec-14	28-Dec-14	55d
NHT4545	Water meters and House connection	14d	0%	14d	12-Nov-14	01-Dec-14	08-Dec-14	28-Dec-14	55d
Chamber work		12d		12d	12-Nov-14	29-Nov-14	07-Sep-14	21-Sep-14	73d
NHT4550	Construct -Wadi Fukin Connection chamber @ Sta.B0+957	12d	0%	12d	12-Nov-14	29-Nov-14	07-Sep-14	21-Sep-14	73d
Testing		54d		54d	01-Nov-14	03-Dec-14	02-Aug-14	25-Sep-14	123d
NHT4555	Radiographic Testing (RT)	1d	0%	1d	01-Nov-14	01-Nov-14	02-Aug-14	09-Aug-14	18d
NHT4560	Pressure Testing	4d	0%	4d	29-Nov-14	03-Dec-14	21-Sep-14	25-Sep-14	90d
Base course , street lighting , Side walk an asphalt		34d		34d	16-Dec-14	03-Feb-15	16-Mar-15	25-Apr-15	-29d
NHT4570	20 cm thick for first base course layer	12d	0%	12d	16-Dec-14	04-Jan-15	16-Mar-15	29-Mar-15	-39d
NHT4580	20 cm thick for second base course layer	12d	0%	12d	30-Dec-14	17-Jan-15	26-Mar-15	08-Apr-15	-39d
NHT4590	Reinf.concrete foundation and PVC conduit cable for street lighting	7d	0%	7d	08-Jan-15	18-Jan-15	02-Apr-15	09-Apr-15	-17d
NHT4600	5cm asphalt binder course including prime coat	2d	0%	2d	17-Jan-15	19-Jan-15	09-Apr-15	11-Apr-15	-29d
NHT4610	Construct curbstone after Saw cut the edge of asphalt binder course	7d	0%	7d	19-Jan-15	28-Jan-15	13-Apr-15	20-Apr-15	-29d
NHT4620	Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk	9d	0%	9d	21-Jan-15	03-Feb-15	15-Apr-15	25-Apr-15	-29d
SEG.B From Sta. B0+000 to Sta. B0+985 LHS (Residential area)		300d		242d	03-Feb-15	30-Mar-15	27-Mar-14 A	14-May-15	-39d
Testing, Base course ,Side walk and Asphalt		300d		242d	03-Feb-15	30-Mar-15	27-Mar-14 A	14-May-15	-39d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	242d	03-Feb-15	30-Mar-15	27-Mar-14 A	14-May-15	-39d
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	9d	20%	7d	04-Feb-15	16-Feb-15	29-Mar-14 A	14-Jul-14	161d
NHT4650	Construct 400 mm precast Concrete crossing pipe for storm system with catch basin from sta. B0+000 to B0+985 (985 LM)	18d	0%	18d	08-Feb-15	01-Mar-15	26-Mar-15	16-Apr-15	-39d
NHT4660	20 cm thick for first base course layer	12d	0%	12d	19-Feb-15	07-Mar-15	07-Apr-15	21-Apr-15	-39d
NHT4670	20 cm thick for second base course layer	12d	0%	12d	02-Mar-15	17-Mar-15	19-Apr-15	02-May-15	-39d



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

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APCO/ArCon CONSTRUCTION AND SERVICES

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TO15

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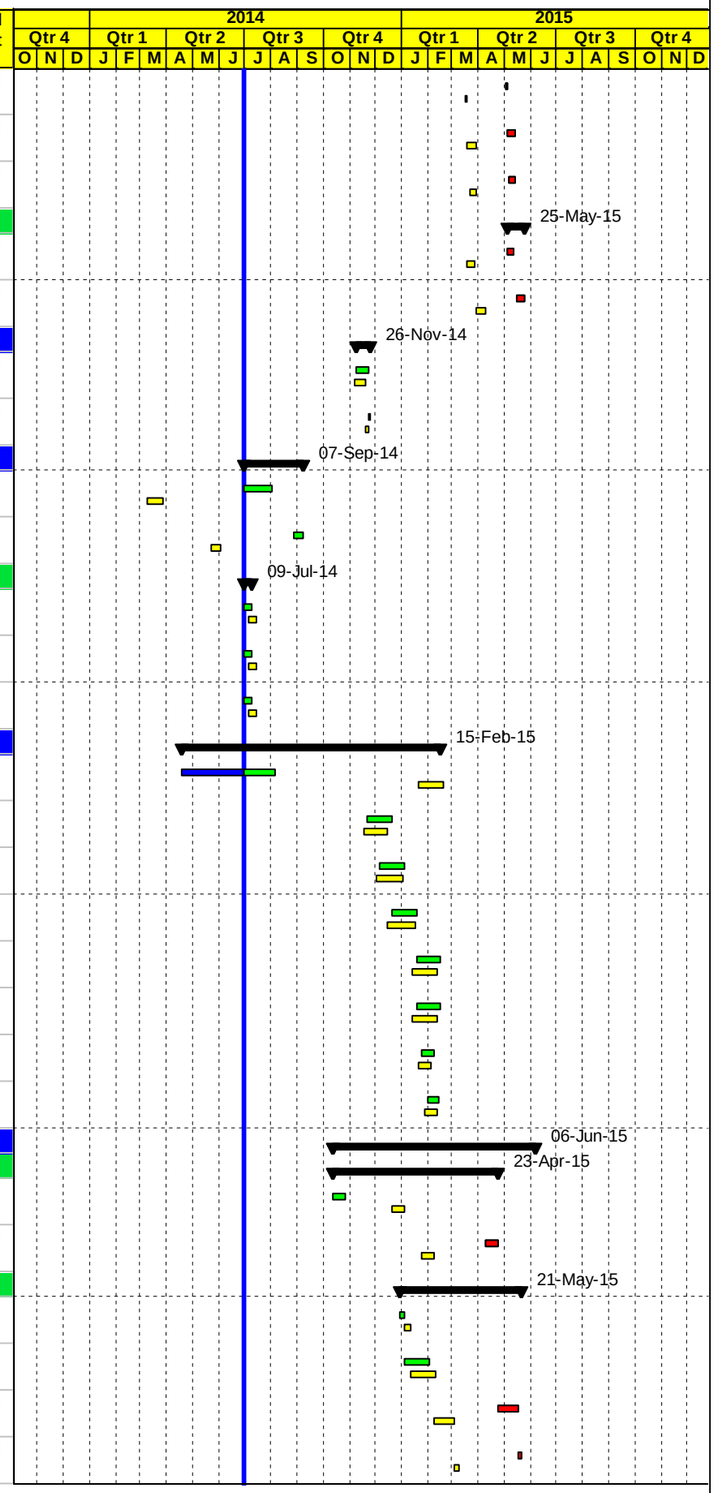
NHT4680	5cm asphalt binder course including prime coat	2d	0%	2d	17-Mar-15	19-Mar-15	03-May-15	04-May-15	-39d
NHT4690	construct curbstone after Saw cut the edge of asphalt binder course	8d	0%	8d	19-Mar-15	29-Mar-15	05-May-15	13-May-15	-39d
NHT4700	Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk	7d	0%	7d	22-Mar-15	30-Mar-15	07-May-15	14-May-15	-39d
Asphalt for SEG. A5+800 to 8+203 A & B		**18d**		**18d**	**19-Mar-15**	**09-Apr-15**	**05-May-15**	**25-May-15**	**-31d**
NHT4705	Milling	7d	0%	7d	19-Mar-15	28-Mar-15	05-May-15	12-May-15	-20d
NHT4708	5 cm Asphalt wearing course including prime and tack coats	9d	0%	9d	30-Mar-15	09-Apr-15	16-May-15	25-May-15	-39d
Detours (If any)		**13d**		**13d**	**06-Nov-14**	**24-Nov-14**	**09-Nov-14**	**26-Nov-14**	**111d**
NHT4710	B.C 20 cm Detours	10d	0%	10d	06-Nov-14	19-Nov-14	09-Nov-14	23-Nov-14	111d
NHT4720	Wearing 5 cm Detour	3d	0%	3d	19-Nov-14	24-Nov-14	23-Nov-14	26-Nov-14	111d
Cancaled Activities		**47d**		**47d**	**09-Mar-14**	**14-Jul-14**	**01-Jul-14**	**07-Sep-14**	**173d**
NHT3550	Construct -LHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with concrete outlet	16d	0%	16d	09-Mar-14	27-Mar-14	01-Jul-14	02-Aug-14	204d
NHT3688	Construct - Concrete channel from Sta.3+360 to sta. 3+850 RHS (490 LM)	10d	0%	10d	24-May-14	04-Jun-14	27-Aug-14	07-Sep-14	173d
300 mm main pipeline with 75 mm dist. Pipe		**5d**		**5d**	**05-Jul-14**	**14-Jul-14**	**01-Jul-14**	**09-Jul-14**	**20d**
NHT2965	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from A2+190 to sta.A2+430 length approx. (240 LM)	5d	0%	5d	05-Jul-14	14-Jul-14	01-Jul-14	09-Jul-14	12d
NHT2980	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (240 LM)	5d	0%	5d	05-Jul-14	14-Jul-14	01-Jul-14	09-Jul-14	12d
NHT2990	Backfill the pipe trench with (single size aggregate) to the required level (240 LM)	5d	0%	5d	05-Jul-14	14-Jul-14	01-Jul-14	09-Jul-14	20d
Miscellaneous activities - If any as location is not determined yet		**67d**		**167d**	**18-Nov-14**	**18-Feb-15**	**19-Apr-14 A**	**15-Feb-15**	**53d**
NHT4810	Stone Wall	21d	5%	20d	21-Jan-15	18-Feb-15	19-Apr-14 A	06-Aug-14	200d
NHT4723	Concrete Class B300	21d	0%	21d	18-Nov-14	16-Dec-14	22-Nov-14	20-Dec-14	94d
NHT4750	Concrete pipe 400 mm	21d	0%	21d	02-Dec-14	03-Jan-15	06-Dec-14	05-Jan-15	83d
NHT4760	60 cm R.C. pipe	21d	0%	21d	16-Dec-14	17-Jan-15	20-Dec-14	19-Jan-15	73d
NHT4730	Topping	21d	0%	21d	14-Jan-15	12-Feb-15	18-Jan-15	15-Feb-15	53d
NHT4770	Manholes size 2.0x2.0m	21d	0%	21d	14-Jan-15	12-Feb-15	18-Jan-15	15-Feb-15	53d
NHT4790	curbstone edg beam	10d	0%	10d	21-Jan-15	04-Feb-15	25-Jan-15	08-Feb-15	59d
NHT4812	curbstone Median	10d	0%	10d	28-Jan-15	11-Feb-15	01-Feb-15	14-Feb-15	54d
Final Mechanical connection		**187d**		**187d**	**20-Dec-14**	**24-Mar-15**	**13-Oct-14**	**06-Jun-15**	**-62d**
Safety		**150d**		**150d**	**20-Dec-14**	**08-Feb-15**	**13-Oct-14**	**23-Apr-15**	**-62d**
NHT4818	Confined Space Safety Test Group two	11d	0%	11d	20-Dec-14	05-Jan-15	13-Oct-14	26-Oct-14	73d
NHT4830	Confined Space Safety Test Group one	11d	0%	11d	24-Jan-15	08-Feb-15	09-Apr-15	23-Apr-15	-62d
Mechanical		**115d**		**115d**	**05-Jan-15**	**09-Mar-15**	**29-Dec-14**	**21-May-15**	**-62d**
NHT4815	Nahaleen Tank future connection (200 LM)	4d	0%	4d	05-Jan-15	11-Jan-15	29-Dec-14	04-Jan-15	25d
NHT4820	Mech. Work including install valves fittings, and flushing pipes Group Two	21d	0%	21d	11-Jan-15	09-Feb-15	04-Jan-15	02-Feb-15	25d
NHT4840	Mech. Work including install valves fittings, and flushing pipes Group one	21d	0%	21d	08-Feb-15	04-Mar-15	23-Apr-15	18-May-15	-62d
NHT4854	Connection to makarot pipeline	3d	0%	3d	04-Mar-15	09-Mar-15	18-May-15	21-May-15	-62d



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

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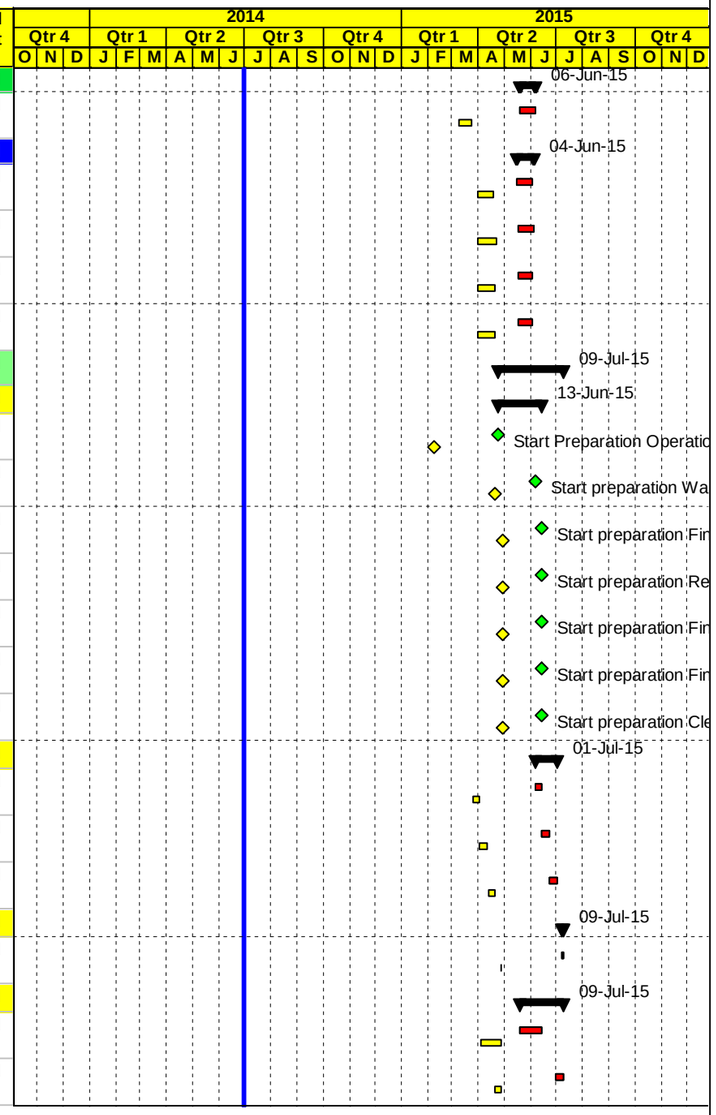
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
Final Disinfection and Pressure Testing		14d		14d	09-Mar-15	24-Mar-15	20-May-15	06-Jun-15	-62d
NHT4850	Final Disinfection and Pressure Testing For main and dist.Pipeline	14d	0%	14d	09-Mar-15	24-Mar-15	20-May-15	06-Jun-15	-62d
Road Finishing work for SEG. A , B, C & E		17d		17d	31-Mar-15	21-Apr-15	16-May-15	04-Jun-15	-39d
NHT4910	Grouted rip rap protection	15d	0%	15d	31-Mar-15	18-Apr-15	16-May-15	02-Jun-15	-38d
NHT4900	Construct concrete ditch	17d	0%	17d	31-Mar-15	21-Apr-15	17-May-15	04-Jun-15	-39d
NHT4890	Street Lighting	15d	0%	15d	31-Mar-15	19-Apr-15	17-May-15	03-Jun-15	-39d
NHT4920	Guard rail,traffic signs , and Road furnishing	15d	0%	15d	01-Apr-15	19-Apr-15	17-May-15	03-Jun-15	-39d
Post Construction Phase		66d		66d	08-Feb-15	29-Apr-15	23-Apr-15	09-Jul-15	-62d
Post Submittals		43d		43d	08-Feb-15	29-Apr-15	23-Apr-15	13-Jun-15	-39d
NHT4922	Start Preparation Operation and Maintenance Manuals	0d	0%	0d	08-Feb-15		23-Apr-15		-25d
NHT4925	Start preparation Warranties (to USAID)	0d	0%	0d	20-Apr-15		06-Jun-15		-33d
NHT4930	Start preparation Final Acceptance Certificate	0d	0%	0d	29-Apr-15		13-Jun-15		-39d
NHT4935	Start preparation Release of liens and waiver of debts and claims against the government	0d	0%	0d	29-Apr-15		13-Jun-15		-39d
NHT4940	Start preparation Final payment	0d	0%	0d	29-Apr-15		13-Jun-15		-39d
NHT4945	Start preparation Final Report	0d	0%	0d	29-Apr-15		13-Jun-15		-39d
NHT4955	Start preparation Clearance certificate from local entities/ Authorities involved	0d	0%	0d	29-Apr-15		13-Jun-15		-39d
Start up, Training and commissioning		22d		22d	25-Mar-15	20-Apr-15	06-Jun-15	01-Jul-15	-62d
NHT4965	Pre commissioning	7d	0%	7d	25-Mar-15	01-Apr-15	06-Jun-15	14-Jun-15	-62d
NHT5005	Commissioning	8d	0%	8d	02-Apr-15	11-Apr-15	14-Jun-15	23-Jun-15	-62d
NHT5015	Training	7d	0%	7d	13-Apr-15	20-Apr-15	23-Jun-15	01-Jul-15	-62d
Demobilization		1d		1d	28-Apr-15	28-Apr-15	08-Jul-15	09-Jul-15	-62d
NHT4975	Start Demobilization	1d	0%	1d	28-Apr-15	28-Apr-15	08-Jul-15	09-Jul-15	-62d
Post Construction activities		44d		44d	04-Apr-15	28-Apr-15	19-May-15	09-Jul-15	-62d
NHT4995	Start preparation as-built drawings	21d	0%	21d	04-Apr-15	28-Apr-15	19-May-15	13-Jun-15	-39d
NHT4985	Walk Through & Punch List	8d	0%	8d	20-Apr-15	28-Apr-15	30-Jun-15	09-Jul-15	-62d



Project Baseline Bar
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Milestone Early Bar
Baseline Milestone
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APCO/ArCon CONSTRUCTION AND SERVICES

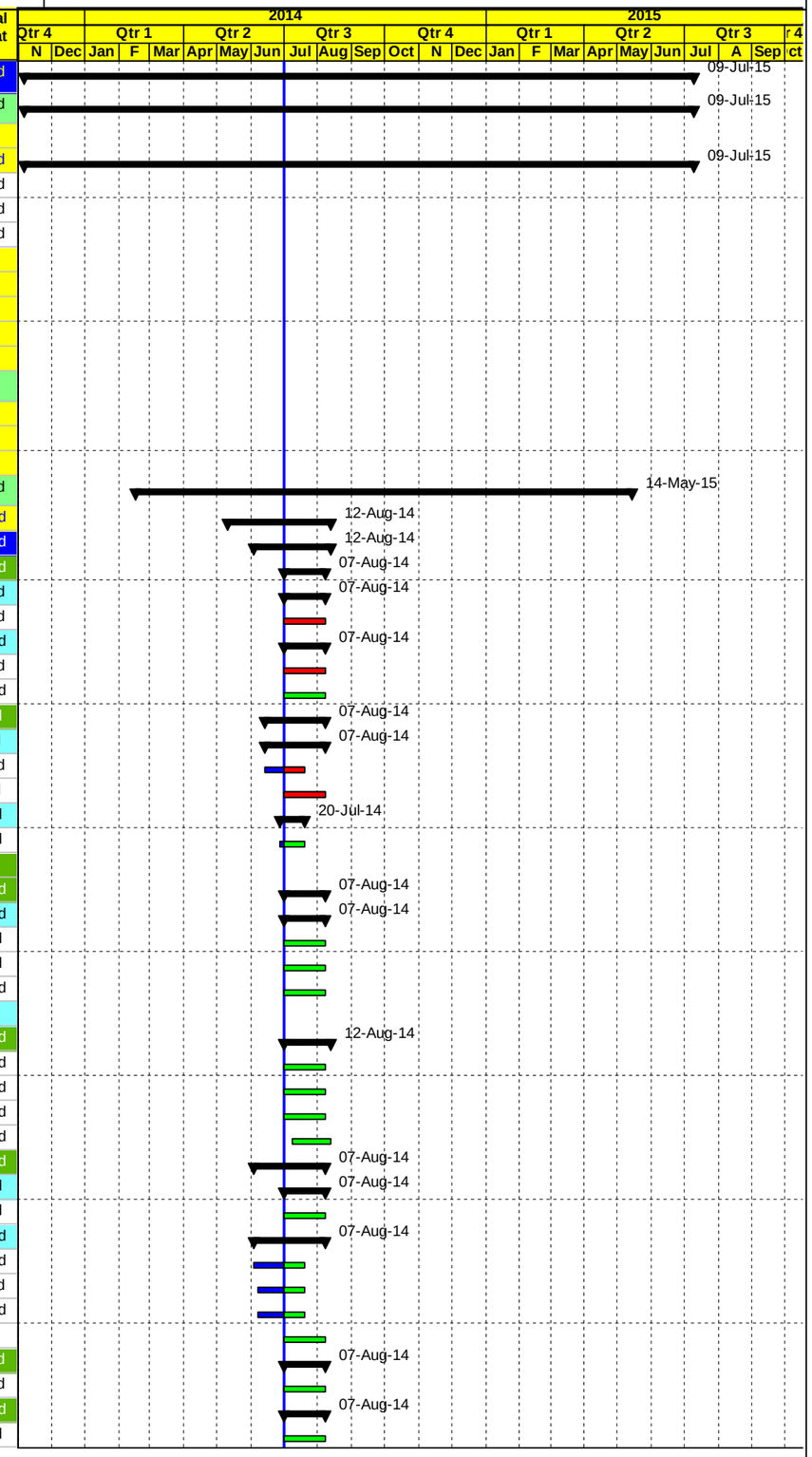
Construction Program

One Month Lookahead

TO15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Nahaleen Main Pipeline Project		575d		06-Nov-13 A	09-Jul-15	-72d
Milestones		539d		06-Nov-13 A	09-Jul-15	-72d
General Milestones		0d				0d
Task order Duration		539d		06-Nov-13 A	09-Jul-15	-72d
NHT0020	Project Duration (Calendar Days)	539d	30.65%	06-Nov-13 A	09-Jul-15	-72d
NHT0030	Project Duration (Working Days)	415d	30.14%	06-Nov-13 A	09-Jul-15	-62d
NHT0040	Construction Duration (Working Days)	326d	19.98%	26-Feb-14 A	06-Jun-15	-41d
Pre Construction Milestones		0d				0d
Mobilization Milestones		0d				0d
Shop Drawing Milestones		0d				0d
Material Milestones		0d				0d
Construction Milestones		0d				0d
Pre Construction Phase		0d				0d
Conformed Drawings and Coordination		0d				0d
Pre Construction Submittals		0d				0d
Mobilization		0d				0d
Construction Phase		483d		16-Feb-14 A	14-May-15	-16d
Construction Submittals		102d		11-May-14 A	12-Aug-14	259d
Shop Drawing Submittals		73d		04-Jun-14 A	12-Aug-14	259d
Plan Profile and Cross Sections		21d		01-Jul-14	07-Aug-14	183d
Plan Profile and Cross Sections for Group One		21d		01-Jul-14	07-Aug-14	-41d
NHT0600	SEG.A From Sta.-A1+500 to A2+250	21d	0%	01-Jul-14	07-Aug-14	-41d
Plan Profile and Cross Sections for Group Two		21d		01-Jul-14	07-Aug-14	183d
NHT0660	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	01-Jul-14	07-Aug-14	-41d
NHT0690	Access Roads	21d	0%	01-Jul-14	07-Aug-14	183d
Waterline		36d		14-Jun-14 A	07-Aug-14	35d
Waterline for Group One		26d		14-Jun-14 A	07-Aug-14	-7d
NHT0715	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440	21d	50%	14-Jun-14 A	20-Jul-14	-29d
NHT0730	100 mm Dia. Waterline for Hussan distribution pipe	21d	0%	01-Jul-14	07-Aug-14	-7d
Waterline for Group Two		21d		28-Jun-14 A	20-Jul-14	46d
NHT0750	100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985	21d	50%	28-Jun-14 A	20-Jul-14	46d
House connection		0d				0d
Valves		38d		01-Jul-14	07-Aug-14	156d
Civil Chambers		21d		01-Jul-14	07-Aug-14	120d
NHT0805	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	01-Jul-14	07-Aug-14	89d
NHT0815	Flow monitoring chamber @ sta. A5+725	21d	0%	01-Jul-14	07-Aug-14	13d
NHT0810	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	01-Jul-14	07-Aug-14	120d
Mechanical		0d				0d
Concrete walls		25d		01-Jul-14	12-Aug-14	203d
NHT0900	Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	21d	0%	01-Jul-14	07-Aug-14	207d
NHT0880	Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	21d	0%	01-Jul-14	07-Aug-14	207d
NHT0930	Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	21d	0%	01-Jul-14	07-Aug-14	203d
NHT0940	Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	21d	0%	08-Jul-14	12-Aug-14	203d
Pipe and Box Culverts		47d		04-Jun-14 A	07-Aug-14	207d
Pipe and Box Culverts for Group One		21d		01-Jul-14	07-Aug-14	13d
NHT0990	1.5x15m Box box culvert @ Sta.A2+225	21d	0%	01-Jul-14	07-Aug-14	13d
Pipe and Box Culverts for Group Two		47d		04-Jun-14 A	07-Aug-14	207d
NHT10655-new	Storm concrete drainage system from Sta.0+000 to Sta.0+210 -Segment B	21d	50%	04-Jun-14 A	20-Jul-14	218d
NHT1060	Storm concrete drainage system from sta. B0+000 to B0+985 (985 LM) & outfall for @ St.B0+537 & B0+714 (115	21d	50%	07-Jun-14 A	20-Jul-14	114d
NHT10656-new	Storm concrete drainage system from Sta.0+953 Segment B to Sta.5+480 Segment A	21d	50%	08-Jun-14 A	20-Jul-14	218d
NHT1030	Dia.800 mm of pipe culvert @ Sta.A6+198 with outlet	21d	0%	01-Jul-14	07-Aug-14	2d
Stone Walls		21d		01-Jul-14	07-Aug-14	117d
NHT1080	Stone wall from Sta.A3+360 to sta. A3+370 RHS	21d	0%	01-Jul-14	07-Aug-14	117d
Concrete curbstone and side walk		21d		01-Jul-14	07-Aug-14	164d
NHT1110	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	01-Jul-14	07-Aug-14	42d



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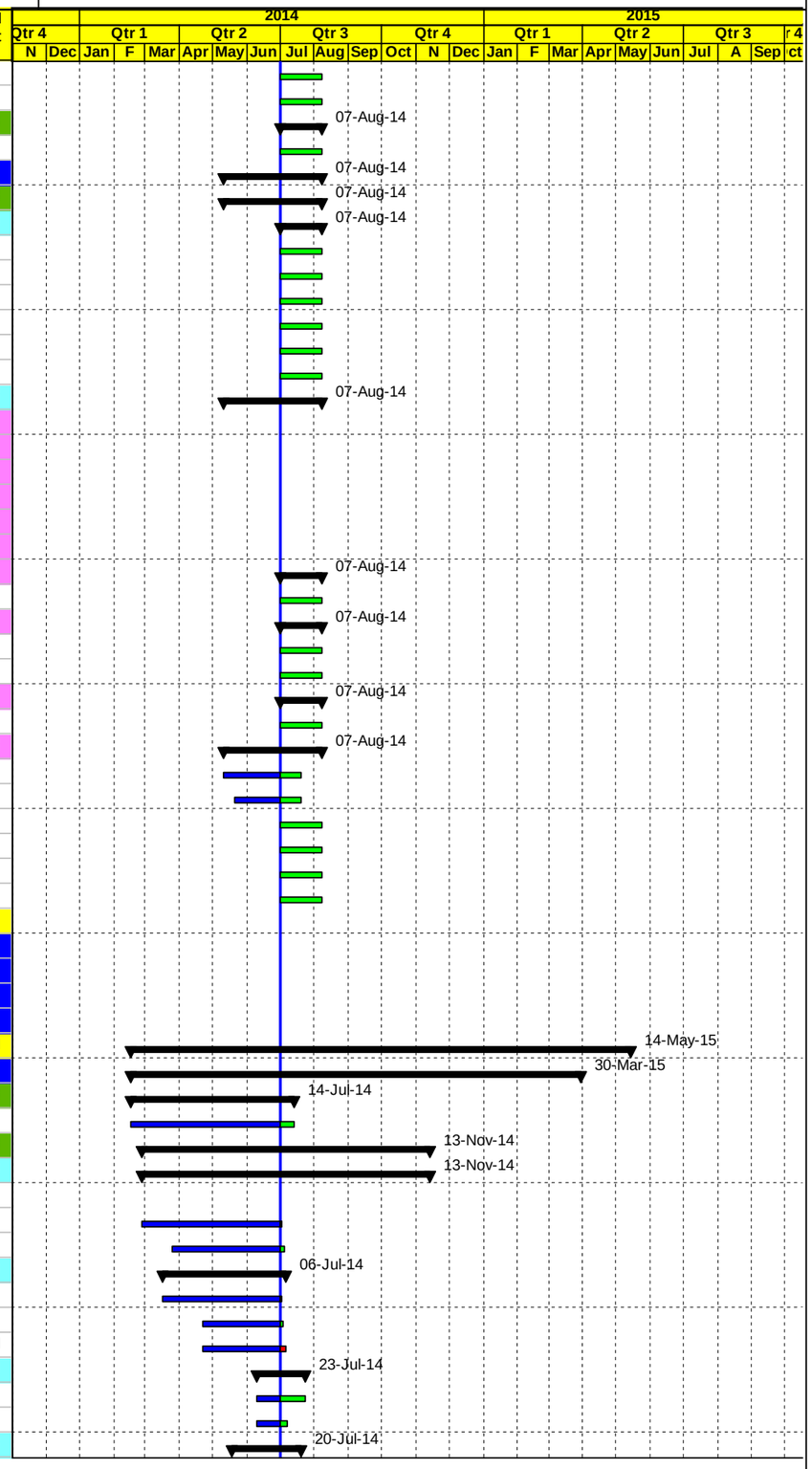
NHT1100	SEG.E From Sta. E0+000 to Sta.E1+276	21d	0%	01-Jul-14	07-Aug-14	138d
NHT1090	SEG.B From Sta. B0+000 to Sta. B0+985	21d	0%	01-Jul-14	07-Aug-14	164d
Others		21d		01-Jul-14	07-Aug-14	168d
NHT1120	Street Lighting SEG.A from A5+800 TO 7+460 & B0+00 to B0+980	21d	0%	01-Jul-14	07-Aug-14	168d
Material Submittals		97d		11-May-14 A	07-Aug-14	264d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		97d		11-May-14 A	07-Aug-14	264d
Material Submittals Roads		21d		01-Jul-14	07-Aug-14	207d
NHT1350	Galvanized steel Handrail	21d	0%	01-Jul-14	07-Aug-14	184d
NHT1330	Street Lighting including poles	21d	0%	01-Jul-14	07-Aug-14	136d
NHT1340	Interlocking Blocks	21d	0%	01-Jul-14	07-Aug-14	207d
NHT1410	Lighting control	21d	0%	01-Jul-14	07-Aug-14	136d
NHT1220	Water proofing	21d	0%	01-Jul-14	07-Aug-14	207d
NHT1323	Geocell	21d	0%	01-Jul-14	07-Aug-14	207d
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		97d		11-May-14 A	07-Aug-14	264d
Pipes		0d				0d
Fittings		0d				0d
Gate Valves		0d				0d
Butterfly valves		0d				0d
Washout valve		0d				0d
Air relief valves and Pressure reducing valve		0d				0d
Water meters		21d		01-Jul-14	07-Aug-14	59d
NHT1802	Water meter (prepaid)	21d	0%	01-Jul-14	07-Aug-14	59d
Manholes and chambers		21d		01-Jul-14	07-Aug-14	59d
NHT1830	Ladders steps	21d	0%	01-Jul-14	07-Aug-14	59d
NHT1840	Holding Jacks	21d	0%	01-Jul-14	07-Aug-14	59d
Control Valves		21d		01-Jul-14	07-Aug-14	59d
NHT1880	Remote Control Monitoring Flow water meterPN40,DN300	21d	0%	01-Jul-14	07-Aug-14	59d
Others		72d		11-May-14 A	07-Aug-14	207d
NHT1950	Pressure Gauge With Needle Valve	21d	50%	11-May-14 A	20-Jul-14	69d
NHT2000-NEW	Paint as Second Coat to be Sparyed Over Factory EPOXY Coating to Protect Pipe against UV Rays- -Segment D	21d	50%	21-May-14 A	20-Jul-14	217d
NHT1960	Floor Boxes	21d	0%	01-Jul-14	07-Aug-14	141d
NHT1970	Electrical Tests and Commissioning	21d	0%	01-Jul-14	07-Aug-14	141d
NHT1940	Air Ventilation Pipes	21d	0%	01-Jul-14	07-Aug-14	59d
NHT1910	Epoxy Coating	21d	0%	01-Jul-14	07-Aug-14	59d
Procurements		0d				0d
Order		0d				0d
Manufacturing		0d				0d
Delivery		0d				0d
Testing		0d				0d
Construction Work		483d		16-Feb-14 A	14-May-15	-16d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		416d		16-Feb-14 A	30-Mar-15	29d
Implementation traffic control and safety plan		14d		16-Feb-14 A	14-Jul-14	221d
NHT2505	Implementation traffic control and safety plan	14d	50%	16-Feb-14 A	14-Jul-14	221d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		243d		26-Feb-14 A	13-Nov-14	166d
Safety and Excavation		145d		26-Feb-14 A	13-Nov-14	127d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	26-Feb-14 A	13-Nov-14	96d
NHT2520	Excavation for reconstruction road From Sta. A0+000 To A0+720	21d	95%	26-Feb-14 A	02-Jul-14	-9d
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	21d	90%	26-Mar-14 A	05-Jul-14	226d
Concrete Wall Crew one		76d		17-Mar-14 A	06-Jul-14	225d
NHT2560	Construct R.Concrete Retaining wall from Sta. A0+129to A0+200 RHS (71 LM)	14d	95%	17-Mar-14 A	02-Jul-14	227d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	95%	22-Apr-14 A	03-Jul-14	193d
NHT2590	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+614 to A0+790 LHS	26d	90%	22-Apr-14 A	06-Jul-14	-17d
Concrete Wall Crew two		28d		10-Jun-14 A	23-Jul-14	216d
NHT2620	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+827 to A0+930LHS	20d	40%	10-Jun-14 A	23-Jul-14	216d
NHT2610	Construction Rubbil Concrete Wall 0+790 to 0+827 LHS	8d	60%	10-Jun-14 A	07-Jul-14	191d
Box Culvert		52d		19-May-14 A	20-Jul-14	218d



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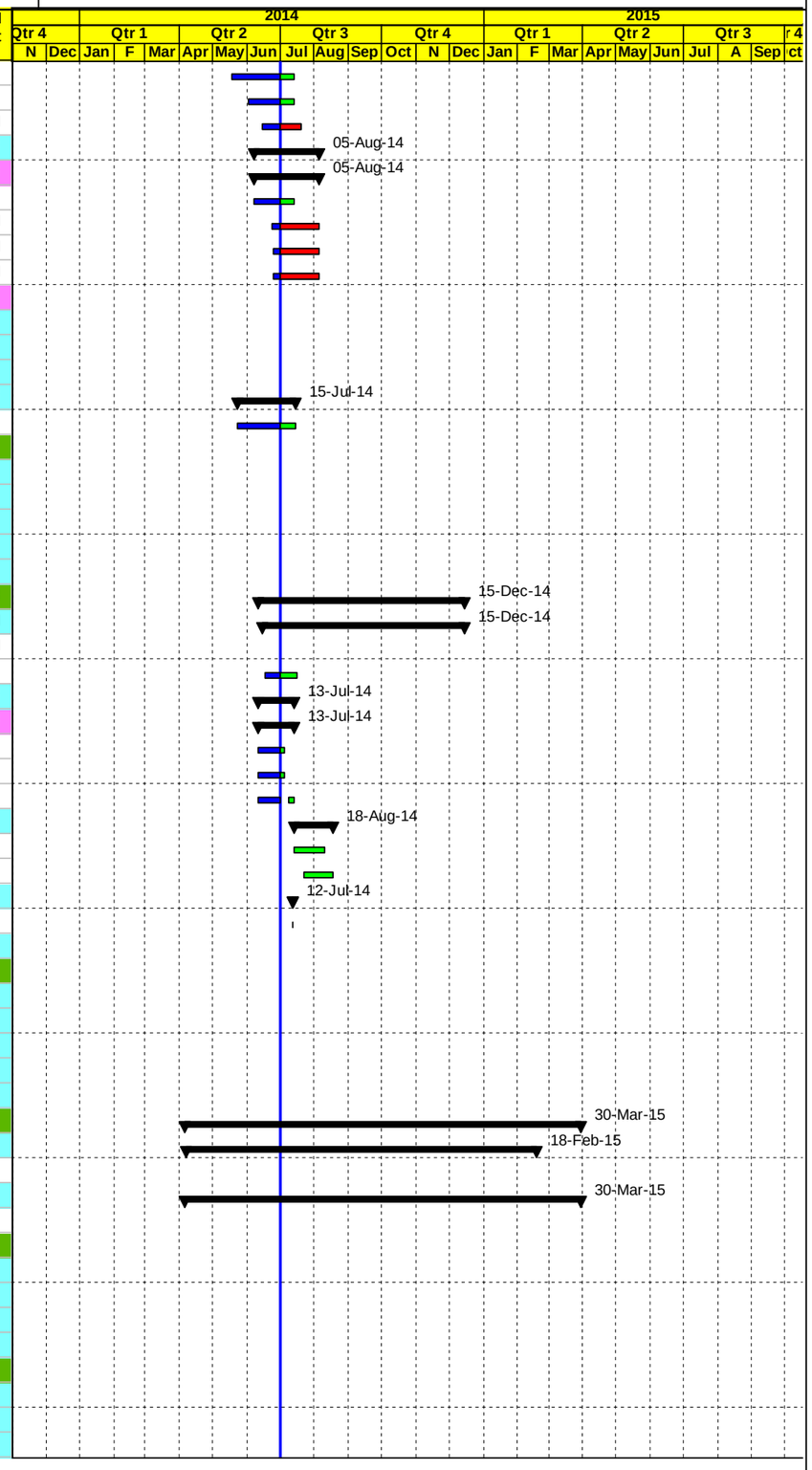
NHT2650	Construct box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0	23d	70%	19-May-14 A	14-Jul-14	221d
NHT2660	Construct box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+9	16d	60%	02-Jun-14 A	13-Jul-14	188d
NHT2670	Construct Pipe culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	17d	40%	15-Jun-14 A	20-Jul-14	-25d
Pipe Installation		25d		07-Jun-14 A	05-Aug-14	266d
300 mm main pipeline		25d		07-Jun-14 A	05-Aug-14	266d
NHT2770	Digging	21d	40%	07-Jun-14 A	13-Jul-14	289d
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	21d	10%	24-Jun-14 A	05-Aug-14	-27d
NHT2700	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (1210 LM)	21d	10%	25-Jun-14 A	05-Aug-14	-27d
NHT2710	Backfill the pipe trench with (single size aggregate) to the required level (1210 LM)	21d	10%	25-Jun-14 A	05-Aug-14	-62d
300 mm main pipeline with 75 mm dist. Pipe		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt From Sta. A0+000 To A0+720		0d				0d
Base course ,Stone Wall and Asphalt From Sta. A0+720 To A1+440		20d		24-May-14 A	15-Jul-14	186d
NHT2804	Construct stone walls from sta.A0+500to A1+340	20d	60%	24-May-14 A	15-Jul-14	186d
SEG.A From Sta.A1+440- A2+190 (Residential area)		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.A From Sta A2+190.to Sta. A3+320 (Non-Residential area)		179d		11-Jun-14 A	15-Dec-14	134d
Safety, Excavation and Box Culvert		134d		14-Jun-14 A	15-Dec-14	-62d
NHT2940	Maintain traffic control and safety plan with coordination	134d	7.45%	14-Jun-14 A	15-Dec-14	-62d
NHT2950	Excavation for reconstruction road including subgrade and backfilling if required	14d	40%	18-Jun-14 A	16-Jul-14	12d
Pipe Installation		92d		11-Jun-14 A	13-Jul-14	222d
50 mm dist. Pipe		92d		11-Jun-14 A	13-Jul-14	222d
NHT2985	Trench excavation 50 mm dist. Pipe from A2+190 to sta. A3+310 l	12d	80%	11-Jun-14 A	05-Jul-14	226d
NHT2987	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection	12d	80%	11-Jun-14 A	05-Jul-14	226d
NHT2999	Backfill the pipe trench with (single size aggregate) to the required level	12d	80%	11-Jun-14 A	13-Jul-14	13d
Chamber work		23d		13-Jul-14	18-Aug-14	15d
NHT3035	Construct - AR/AV Valve chamber @ Sta.A3+120, A3+249 & A3+320	16d	0%	13-Jul-14	10-Aug-14	22d
NHT3020	Construct - Wash out Valve chamber @ Sta.A2+222,A2+973,A3+187, & A3+281.	18d	0%	22-Jul-14	18-Aug-14	13d
Testing		1d		12-Jul-14	12-Jul-14	3d
NHT3033	Radiographic Testing (RT)	1d	0%	12-Jul-14	12-Jul-14	3d
Base course and Asphalt		0d				0d
SEG.C From St.C0+000 -St.C0+330 (Residential area)		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.E From Sta. E0+000 to Sta.E1+276		266d		05-Apr-14 A	30-Mar-15	0d
From Sta. E0+000 to Sta.E0+650		214d		06-Apr-14 A	18-Feb-15	31d
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	20.14%	06-Apr-14 A	18-Feb-15	31d
From Sta. E0+650 to Sta.E1+276		226d		05-Apr-14 A	30-Mar-15	0d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	9.8%	05-Apr-14 A	30-Mar-15	0d
Hussan Distribution pipes		0d				0d
Safety and Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Battir Distribution pipes		0d				0d
Safety and Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d



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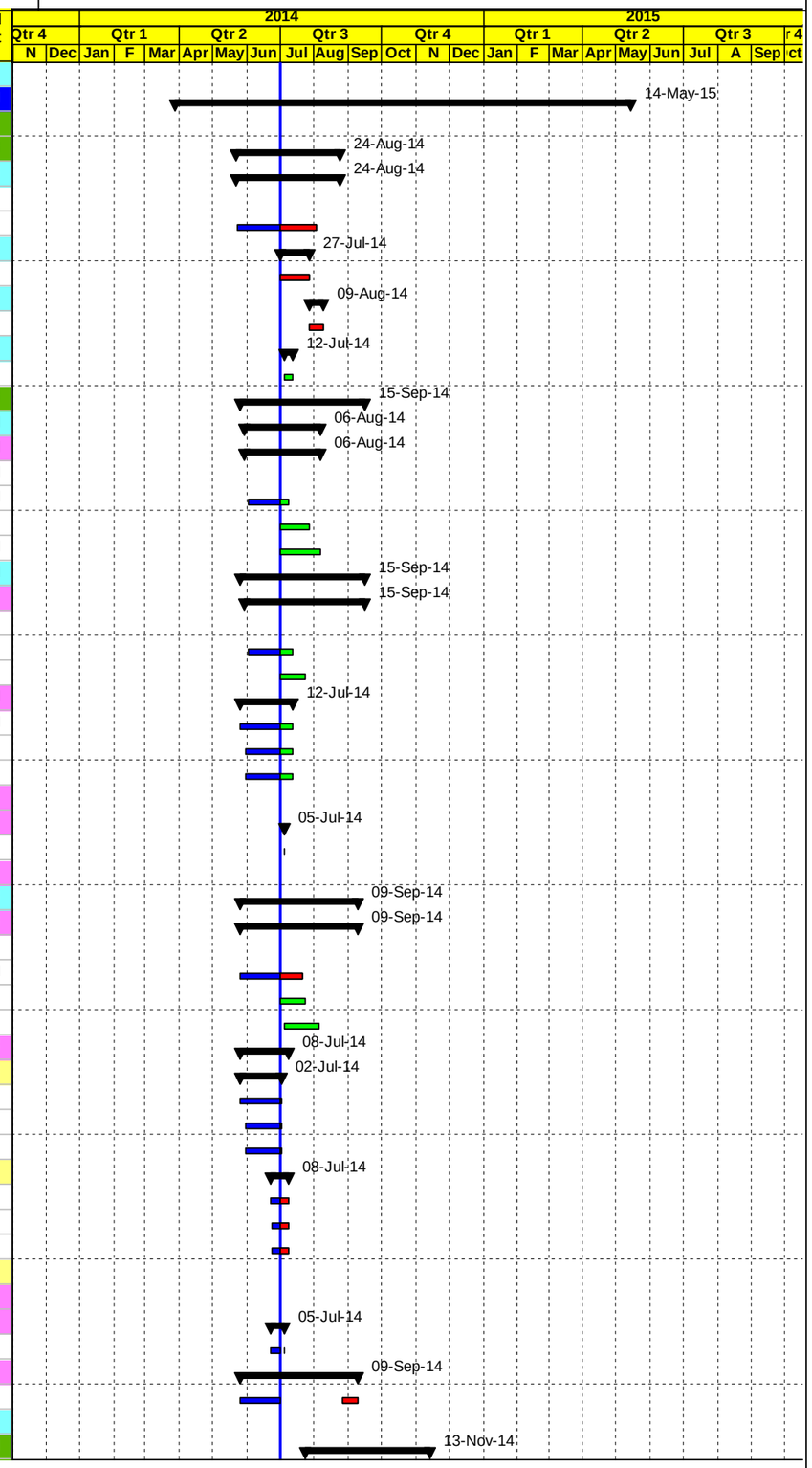
Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Asphalt		0d				0d
Group Two Seg D , SEG.A Road From Sta. 3+320 to Sta. A8+203 and Seg. B		456d		27-Mar-14 A	14-May-15	-21d
Implementation traffic control and safety plan		0d				0d
SEG.D From Sta.D0+518 to Sta.D0+000 (Non-Residential area)		158d		22-May-14 A	24-Aug-14	238d
Safety, Excavation and Concrete Works		68d		22-May-14 A	24-Aug-14	185d
NHT3450	Maintain traffic control and safety plan ,coordination for relocation utilities and others	39d	10.55%	22-May-14 A	24-Aug-14	185d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	24-May-14 A	03-Aug-14	-2d
Pipe Installation		14d		01-Jul-14	27-Jul-14	-2d
NHT3470	Install 300 mm main steel pipe line and cast concrete above supports (518 Lm)	14d	0%	01-Jul-14	27-Jul-14	-2d
Chamber work		8d		27-Jul-14	09-Aug-14	-2d
NHT3480	Construct - Butterfly Valve chamber @ Sta.D0+504	8d	0%	27-Jul-14	09-Aug-14	-2d
Testing		1d		05-Jul-14	12-Jul-14	40d
NHT3515	Radiographic Testing (RT)	1d	0%	05-Jul-14	12-Jul-14	40d
SEG.A From Sta.A3+320 to Sta.A5+800		136d		25-May-14 A	15-Sep-14	220d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		46d		29-May-14 A	06-Aug-14	118d
Safety, Excavation, Culvert and Base course		46d		29-May-14 A	06-Aug-14	118d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	29d	31.03%	29-May-14 A	06-Aug-14	118d
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widening	14d	70%	02-Jun-14 A	08-Jul-14	118d
NHT3560	Construct -LHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with concrete outlet	14d	0%	01-Jul-14	27-Jul-14	124d
NHT3570	Subgrade and Install first and second layer of 20 cm base course for widening the road LHS	20d	0%	01-Jul-14	06-Aug-14	118d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		84d		26-May-14 A	15-Sep-14	119d
Safety, Excavation, Culvert , concrete channel and Basecourse		60d		29-May-14 A	15-Sep-14	89d
NHT3580	Maintain traffic control and safety plan ,coordination for relocation utilities and others	60d	10%	29-May-14 A	15-Sep-14	89d
NHT3590	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	20d	70%	02-Jun-14 A	12-Jul-14	105d
NHT3600	Construct -RHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with inlet	13d	0%	01-Jul-14	24-Jul-14	105d
Pipe Installation		15d		26-May-14 A	12-Jul-14	112d
NHT3620	Trench excavation for 250 mm main pipeline from A3+350 to sta.A4+560 with length approx. (1210LM)	15d	60%	26-May-14 A	12-Jul-14	112d
NHT3630	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1210LM)	15d	60%	31-May-14 A	12-Jul-14	105d
NHT3640	Backfill the pipe trench with (single size aggregate) to the required level (1210LM)	15d	60%	31-May-14 A	12-Jul-14	104d
Chamber work		0d				0d
Testing		1d		05-Jul-14	05-Jul-14	20d
NHT3675	Radiographic Testing (RT)	1d	0%	05-Jul-14	05-Jul-14	20d
Base course and Stone Wall		0d				0d
SEG.A From Sta.A4+560 to Sta.A5+800 RHS (Pipeline)		135d		25-May-14 A	09-Sep-14	226d
Safety, Excavation and Concrete Works		75d		25-May-14 A	09-Sep-14	175d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	25-May-14 A	09-Sep-14	-2d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	40%	26-May-14 A	21-Jul-14	-17d
NHT3720	Construct -RHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with inlet	12d	0%	01-Jul-14	23-Jul-14	212d
NHT3725	Construct 600 & 400 mm precast Concrete pipe for storm sytem with manholes &catch basin from st. A5+480-A5	16d	0%	05-Jul-14	05-Aug-14	29d
Pipe Installation		70d		26-May-14 A	08-Jul-14	289d
250 mm main pipeline		11d		26-May-14 A	02-Jul-14	223d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+170	11d	90%	26-May-14 A	02-Jul-14	29d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	11d	90%	31-May-14 A	02-Jul-14	223d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level	11d	90%	31-May-14 A	02-Jul-14	28d
250 mm main pipeline with 50 mm dist. Pipe		7d		23-Jun-14 A	08-Jul-14	-1d
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+170 to A5+800	7d	40%	23-Jun-14 A	08-Jul-14	-1d
NHT3763	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	7d	40%	24-Jun-14 A	08-Jul-14	-1d
NHT3766	Backfill the pipe trench with (single size aggregate) to the required level	7d	40%	24-Jun-14 A	08-Jul-14	-1d
House connection		0d				0d
Chamber work		0d				0d
Testing		1d		22-Jun-14 A	05-Jul-14	1d
NHT3815	Radiographic Testing (RT)	1d	50%	22-Jun-14 A	05-Jul-14	1d
Base course		20d		26-May-14 A	09-Sep-14	-2d
NHT3830	Subgrad and install first and second layer of 20 cm base course for widening the road	20d	40%	26-May-14 A	09-Sep-14	-2d
SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS (Asphalt -work)		0d				0d
SEG.A From Sta.A5+800 to Sta. 7+460		113d		24-Jul-14	13-Nov-14	-31d



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

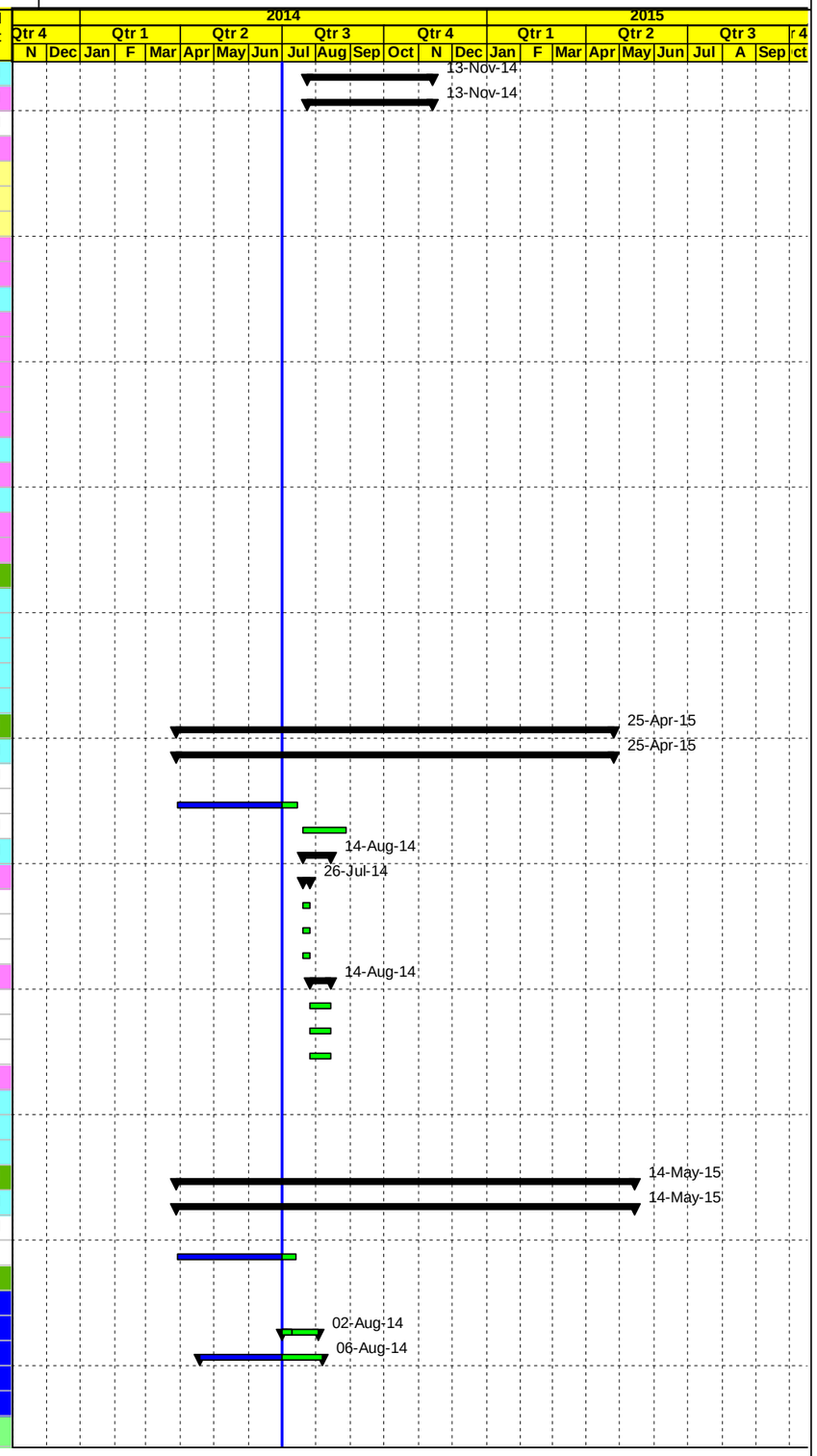
Date	Revision	Checked	Approved
03-Jul-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
One Month Lookahead

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Residential area)		113d		24-Jul-14	13-Nov-14	-31d
Safety, Excavation, Pipe Culvert and storm system		88d		24-Jul-14	13-Nov-14	-27d
NHT3860	Maintain traffic control and safety plan ,coordination for relocation utilities and others	88d	0%	24-Jul-14	13-Nov-14	-27d
Pipe Installation		0d				0d
200 mm main pipeline with 100 mm dist. Pipe		0d				0d
200 mm main pipeline with 150 mm dist. Pipe		0d				0d
House connection		0d				0d
Testing		0d				0d
Base course Side walk and asphalt		0d				0d
SEG.A From Sta.A6+630 to Sta. 7+460 RHS (Residential area)		0d				0d
Safety, Excavation and storm system		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course , street lighting ,Side walk ans asphalt		0d				0d
SEG.A From Sta.A5+800 to Sta. 6+630 LHS (Residantial area)		0d				0d
Safety, Excavation, Pipe Culvert, storm system and base course		0d				0d
SEG.A From Sta.A6+630 to Sta. 7+460 LHS (Residential area)		0d				0d
Safety, Excavation, Pipe Culvert, storm system, base course, Side walk and asphalt		0d				0d
Chamber work		0d				0d
SEG.A Road From Sta. 7+460 to Sta. A8+203		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber Work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.B From Sta. B0+000 to Sta. B0+985 RHS (Residential area)		249d		27-Mar-14 A	25-Apr-15	-35d
Safety, Excavation and Storm system		190d		27-Mar-14 A	25-Apr-15	-29d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	27-Mar-14 A	25-Apr-15	-29d
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	10d	20%	29-Mar-14 A	15-Jul-14	104d
NHT4490	Construct 600 &400 mm precast concrete pipe for storm sytem with manholes & catch basin from sta. B0+000 to	28d	0%	20-Jul-14	28-Aug-14	114d
Pipe Installation		25d		20-Jul-14	14-Aug-14	117d
100 mm main pipeline from		3d		20-Jul-14	26-Jul-14	93d
NHT4510	Trench excavation for 100 mm main pipeline from B0+010 to sta.B0+100 with length approx. (90 LM)	3d	0%	20-Jul-14	26-Jul-14	93d
NHT4513	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (90 LM)	3d	0%	20-Jul-14	26-Jul-14	93d
NHT4515	Backfill the pipe trench with (single size aggregate) to the required level (90 LM)	3d	0%	20-Jul-14	26-Jul-14	93d
100 mm main pipeline with 100 mm dist. Pipe		13d		26-Jul-14	14-Aug-14	93d
NHT4520	Trench excavation for 100mm main pipeline with 100 mm dist. Pipe from B0+100 to sta. B0+985 with length. (88	13d	0%	26-Jul-14	14-Aug-14	93d
NHT4530	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (885 LM)	13d	0%	26-Jul-14	14-Aug-14	93d
NHT4540	Backfill the pipe trench with (single size aggregate) to the required level	13d	0%	26-Jul-14	14-Aug-14	93d
House connection		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course , street lighting , Side walk an asphalt		0d				0d
SEG.B From Sta. B0+000 to Sta. B0+985 LHS (Residential area)		300d		27-Mar-14 A	14-May-15	-39d
Testing, Base course ,Side walk and Asphalt		300d		27-Mar-14 A	14-May-15	-39d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	27-Mar-14 A	14-May-15	-39d
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	9d	20%	29-Mar-14 A	14-Jul-14	161d
Asphalt for SEG. A5+800 to 8+203 A & B		0d				0d
Detours (If any)		0d				0d
Cancaled Activities		16d		01-Jul-14	02-Aug-14	204d
Miscellaneous activities - If any as location is not determined yet		21d		19-Apr-14 A	06-Aug-14	200d
Final Mechanical connection		0d				0d
Road Finishing work for SEG. A , B, C & E		0d				0d
Post Construction Phase		0d				0d



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

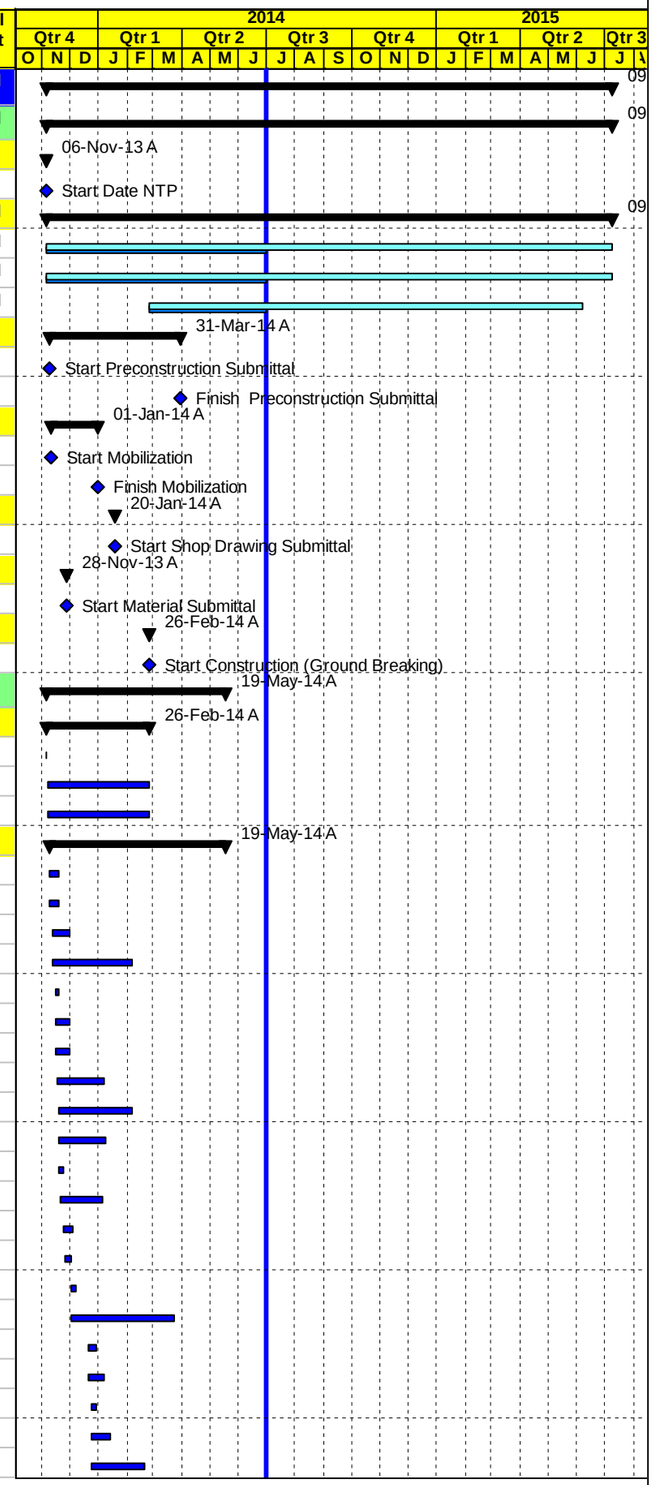
Date	Revision	Checked	Approved
03-Jul-14			

APCO ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Nahaleen Main Pipeline Project		575d		06-Nov-13 A	09-Jul-15	-72d
Milestones		539d		06-Nov-13 A	09-Jul-15	-72d
General Milestones		0d		06-Nov-13 A	06-Nov-13 A	
NHT0000	Start Date NTP	0d	100%	06-Nov-13 A		
Task order Duration		539d		06-Nov-13 A	09-Jul-15	-72d
NHT0020	Project Duration (Calendar Days)	539d	30.65%	06-Nov-13 A	09-Jul-15	-72d
NHT0030	Project Duration (Working Days)	415d	30.14%	06-Nov-13 A	09-Jul-15	-62d
NHT0040	Construction Duration (Working Days)	326d	19.98%	26-Feb-14 A	06-Jun-15	-41d
Pre Construction Milestones		101d		10-Nov-13 A	31-Mar-14 A	
NHT0050	Start Preconstruction Submittal	0d	100%	10-Nov-13 A		
NHT0060	Finish Preconstruction Submittal	0d	100%		31-Mar-14 A	
Mobilization Milestones		20d		11-Nov-13 A	01-Jan-14 A	
NHT0070	Start Mobilization	0d	100%	11-Nov-13 A		
NHT0080	Finish Mobilization	0d	100%		01-Jan-14 A	
Shop Drawing Milestones		0d		20-Jan-14 A	20-Jan-14 A	
NHT0090	Start Shop Drawing Submittal	0d	100%	20-Jan-14 A		
Material Milestones		0d		28-Nov-13 A	28-Nov-13 A	
NHT0110	Start Material Submittal	0d	100%	28-Nov-13 A		
Construction Milestones		0d		26-Feb-14 A	26-Feb-14 A	
NHT0130	Start Construction (Ground Breaking)	0d	100%	26-Feb-14 A		
Pre Construction Phase		190d		06-Nov-13 A	19-May-14 A	
Conformed Drawings and Coordination		41d		06-Nov-13 A	26-Feb-14 A	
NHT0145	Final for Construction Drawing (Conformed)	1d	100%	06-Nov-13 A	06-Nov-13 A	
NHT0155	Coordination with local Authorities before Construction	40d	100%	07-Nov-13 A	26-Feb-14 A	
NHT0150	Coordination with Israeli authorities for approval and permit area C	40d	100%	07-Nov-13 A	26-Feb-14 A	
Pre Construction Submittals		135d		10-Nov-13 A	19-May-14 A	
NHT0160	Schedule for Pre Construction Submittals & Mobilization	10d	100%	10-Nov-13 A	20-Nov-13 A	
NHT0170	Bank Guarantee Certificates	10d	100%	10-Nov-13 A	19-Nov-13 A	
NHT0190	Field Offices Location & Layout	10d	100%	13-Nov-13 A	01-Dec-13 A	
NHT0200	Field Offices Furniture & Equipment Plan	10d	100%	13-Nov-13 A	06-Feb-14 A	
NHT0210	Scheduling Qualification Submittals	10d	100%	17-Nov-13 A	20-Nov-13 A	
NHT0290	60-Day Plan of Operation	10d	100%	17-Nov-13 A	01-Dec-13 A	
NHT0300	Project Overview Bar Chart	10d	100%	17-Nov-13 A	01-Dec-13 A	
NHT0240	Submittals Schedule	10d	100%	17-Nov-13 A	07-Jan-14 A	
NHT0410	Trench safety plan	10d	100%	19-Nov-13 A	06-Feb-14 A	
NHT0280	Safety Plan	10d	100%	19-Nov-13 A	09-Jan-14 A	
NHT0180	Testing Lab	10d	100%	20-Nov-13 A	24-Nov-13 A	
NHT0330	Risk Management Plan	10d	100%	22-Nov-13 A	05-Jan-14 A	
NHT0230	Insurances	10d	100%	24-Nov-13 A	05-Dec-13 A	
NHT0260	Coordination with local Authorities Plan including list of permits & and licenses	10d	100%	26-Nov-13 A	03-Dec-13 A	
NHT0265	Temporary and Permanent Project Sign Plan	10d	100%	03-Dec-13 A	09-Dec-13 A	
NHT0390	CPM-Construction Schedule and S-Curve	10d	100%	03-Dec-13 A	24-Mar-14 A	
NHT0250	Subcontractors' profile	10d	100%	22-Dec-13 A	30-Dec-13 A	
NHT0320	Dilapidation Survey	10d	100%	22-Dec-13 A	07-Jan-14 A	
NHT0220	Key Personnel Plan	10d	100%	25-Dec-13 A	30-Dec-13 A	
NHT0270	QCP-Quality Control Program	10d	100%	25-Dec-13 A	14-Jan-14 A	
NHT0350	USAID Branding Plan	10d	100%	25-Dec-13 A	20-Feb-14 A	



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

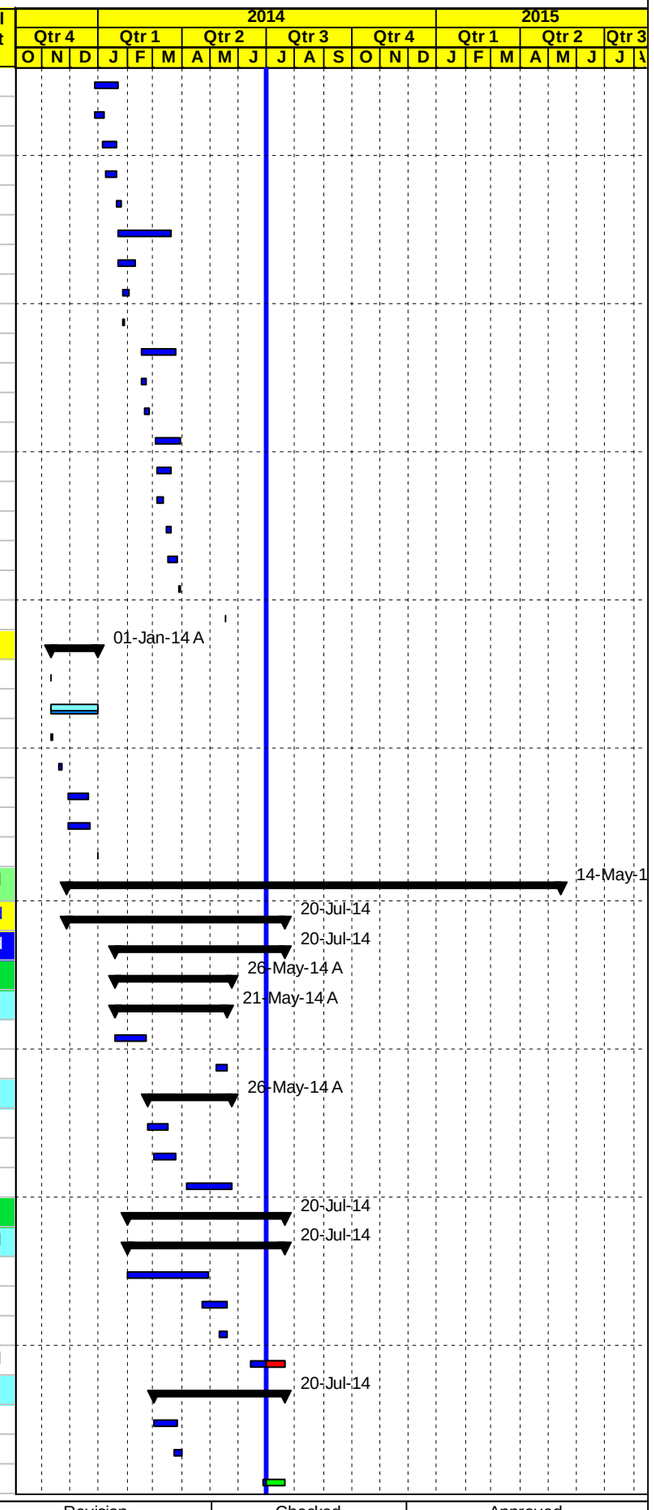
Date	Revision	Checked	Approved
03-Jul-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT0370	Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys.,&R. mark	10d	100%	29-Dec-13 A	23-Jan-14 A	
NHT0380	Environmental Mitigation Plan	10d	100%	29-Dec-13 A	07-Jan-14 A	
NHT0340	Existing Survey Plan	10d	100%	05-Jan-14 A	21-Jan-14 A	
NHT0360	Material Staging ,Storage and dumping Areas Plan	10d	100%	09-Jan-14 A	21-Jan-14 A	
NHT0450	Welder Qualification procedure	10d	100%	21-Jan-14 A	26-Jan-14 A	
NHT0430	Welding procedure	10d	100%	23-Jan-14 A	20-Mar-14 A	
NHT0400	Traffic Control Plan Phase IA	10d	100%	23-Jan-14 A	10-Feb-14 A	
NHT0420	Public relation plan	10d	100%	27-Jan-14 A	03-Feb-14 A	
NHT0440	Third party testing lab	10d	100%	27-Jan-14 A	30-Jan-14 A	
NHT0402-NEW	Traffic Control Plan - Phase 1B	10d	100%	16-Feb-14 A	25-Mar-14 A	
NHT0401-NEW	Traffic Control Plan Phase II	10d	100%	17-Feb-14 A	22-Feb-14 A	
NHT0431-NEW	3 inch Procedure Qualification Record(PQR)	10d	100%	20-Feb-14 A	24-Feb-14 A	
NHT0436-NEW	Radiographic Testing Safety Plan	10d	100%	04-Mar-14 A	31-Mar-14 A	
NHT0432-NEW	6 inch and over Procedure Qualification Recored (PQR)	10d	100%	05-Mar-14 A	20-Mar-14 A	
NHT0433-NEW	8-12 inch Procedure Qualification Record (PQR)	10d	100%	05-Mar-14 A	12-Mar-14 A	
NHT0455	R.T. testing agency qualifications	10d	100%	15-Mar-14 A	20-Mar-14 A	
NHT0435-NEW	Stockpile area for excavated material	10d	100%	17-Mar-14 A	27-Mar-14 A	
NHT0434-NEW	Welders Performance Qualification Certificates	10d	100%	29-Mar-14 A	31-Mar-14 A	
NHT0500-NEW	Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A	10d	100%	18-May-14 A	19-May-14 A	
Mobilization		21d		11-Nov-13 A	01-Jan-14 A	
NHT0500	Site Hand Over	1d	100%	11-Nov-13 A	11-Nov-13 A	
NHT0480	Mobilization Total Cost (4.0%)	21d	100%	11-Nov-13 A	01-Jan-14 A	
NHT0510	Checking With CMC Existing-Bench Marks, Survey Control Points	2d	100%	11-Nov-13 A	12-Nov-13 A	
NHT0540	Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials)	3d	100%	19-Nov-13 A	23-Nov-13 A	
NHT0520	Supply and install Office Furniture's and Supplies	4d	100%	30-Nov-13 A	22-Dec-13 A	
NHT0530	Supply and install Office IT Equipments & Applience	4d	100%	30-Nov-13 A	22-Dec-13 A	
NHT0550	Install Temporary Project Sign	1d	100%	01-Jan-14 A	01-Jan-14 A	
Construction Phase		575d		28-Nov-13 A	14-May-15	-16d
Construction Submittals		270d		28-Nov-13 A	20-Jul-14	282d
Shop Drawing Submittals		270d		20-Jan-14 A	20-Jul-14	282d
Plan Profile and Cross Sections		178d		20-Jan-14 A	26-May-14 A	
Plan Profile and Cross Sections for Group One		134d		20-Jan-14 A	21-May-14 A	
NHT0590	SEG.A From Sta.0+000 Ato Sta.1+440	21d	100%	20-Jan-14 A	22-Feb-14 A	
NHT0610	SEG.A From Sta. 2+250 to Sta.A3+330	21d	100%	08-May-14 A	21-May-14 A	
Plan Profile and Cross Sections for Group Two		174d		24-Feb-14 A	26-May-14 A	
NHT0650	SEG.A From Sta.A3+850to Sta.A5+700	21d	100%	24-Feb-14 A	17-Mar-14 A	
NHT0651-NEW	SEG.A From Sta.3+330 to Sta.3+850	21d	100%	03-Mar-14 A	25-Mar-14 A	
NHT0680	SEG.B From Sta. B0+000 to Sta. B0+985	21d	100%	06-Apr-14 A	26-May-14 A	
Waterline		203d		02-Feb-14 A	20-Jul-14	46d
Waterline for Group One		159d		02-Feb-14 A	20-Jul-14	-29d
NHT0700	300 mm Dia. Waterline SEG. D From Sta.D0+515 to Sta.D0+000	21d	100%	02-Feb-14 A	30-Apr-14 A	
NHT0705	300 mm & 75 mm Dia. Waterline Seg. A From Sta.A0+000 to Sta.A1+440	21d	100%	24-Apr-14 A	20-May-14 A	
NHT0720	50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300	21d	100%	12-May-14 A	20-May-14 A	
NHT0715	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440	21d	50%	14-Jun-14 A	20-Jul-14	-29d
Waterline for Group Two		193d		02-Mar-14 A	20-Jul-14	46d
NHT0740	250 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+850 to Sta.A5+700	21d	100%	02-Mar-14 A	27-Mar-14 A	
NHT0741-NEW	250 mm & 50 mm Dia. Waterline Seg. A From Sta.3+350 to Sta.3+850 -Segment A	21d	100%	24-Mar-14 A	01-Apr-14 A	
NHT0750	100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985	21d	50%	28-Jun-14 A	20-Jul-14	46d



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

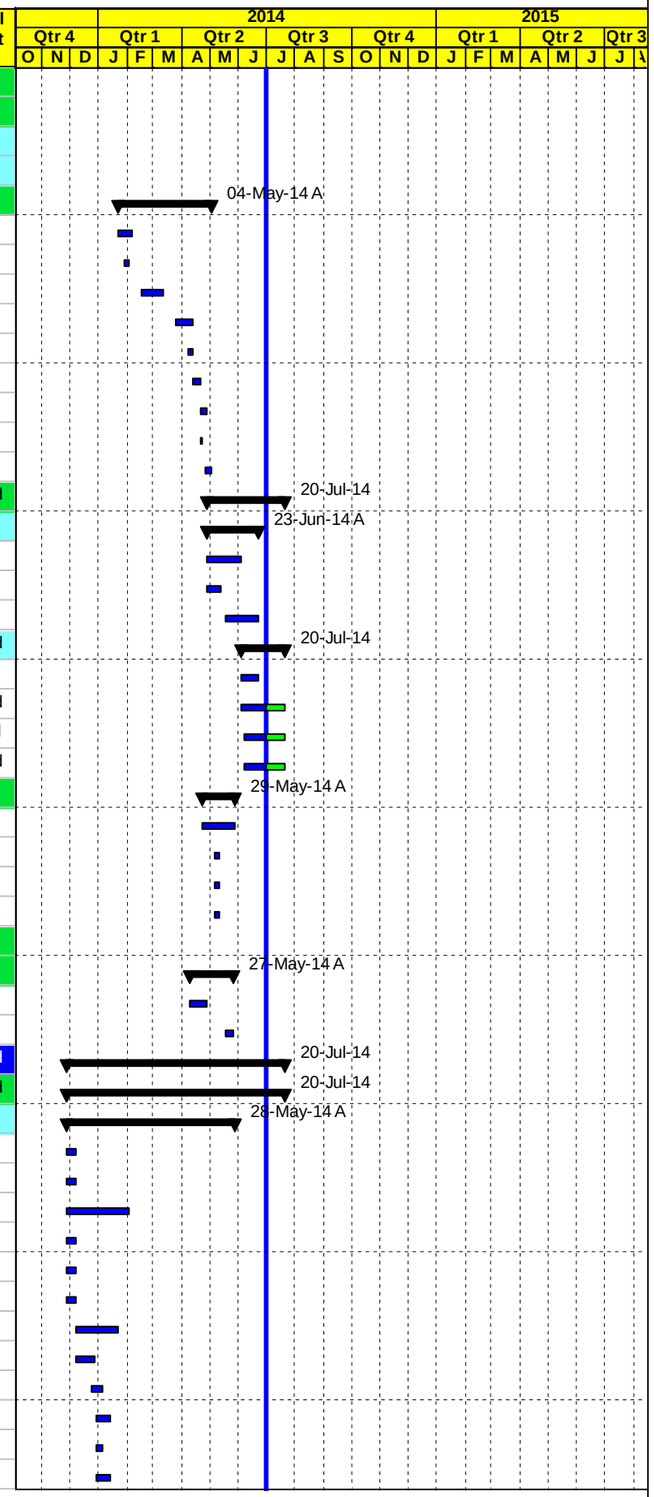
Date	Revision	Checked	Approved
03-Jul-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
House connection		0d				0d
Valves		0d				0d
Civil Chambers		0d				0d
Mechanical		0d				0d
Concrete walls		186d		23-Jan-14 A	04-May-14 A	
NHT0870	Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM)	21d	100%	23-Jan-14 A	06-Feb-14 A	
NHT0941-NEW	Formwork System for Retaining Work	21d	100%	29-Jan-14 A	04-Feb-14 A	
NHT0890	Retaining wall from Sta. A0+477 to A0+615 LHS (138 LM)	21d	100%	16-Feb-14 A	12-Mar-14 A	
NHT0891-NEW	Retaining Wall from Sta.0+640 to Sta.0+770 LHS (130 LM)	21d	100%	26-Mar-14 A	14-Apr-14 A	
NHT0942-NEW	Concrete Basement Wall-from Sta. E1+100 to E1+116 RHS (16 LM)	21d	100%	08-Apr-14 A	13-Apr-14 A	
NHT0943-NEW	Retaining Wall from Sta.0+790 to Sta.0+835 LHS	21d	100%	13-Apr-14 A	22-Apr-14 A	
NHT0892-NEW	Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS	21d	100%	22-Apr-14 A	29-Apr-14 A	
NHT0993-NEW	Retaining Walls From Sta.B0+471-B0+493.6 LHS&From Sta.B0+506.35-B0+522 LHS & From Sta.B0+523 To B0+52	21d	100%	22-Apr-14 A	24-Apr-14 A	
NHT0994-NEW	One Side Shutter Wall from St.0+480-St.0+574 LHSfrom St.0+614-St.0+790 LHS and from St.0+827-St.0+930 LHS	21d	100%	27-Apr-14 A	04-May-14 A	
Pipe and Box Culverts		42d		28-Apr-14 A	20-Jul-14	218d
Pipe and Box Culverts for Group One		42d		28-Apr-14 A	23-Jun-14 A	
NHT0960	2.0x2.0x19 M box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta	21d	100%	28-Apr-14 A	04-Jun-14 A	
NHT0970	1.5x1.5x12 M box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0-	21d	100%	28-Apr-14 A	14-May-14 A	
NHT0980	1.5x1.5x15 M box culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	21d	100%	19-May-14 A	23-Jun-14 A	
Pipe and Box Culverts for Group Two		32d		04-Jun-14 A	20-Jul-14	218d
NHT1015	Dia.1000 mm of double pipe culvert @ Sta.A5+472	21d	100%	04-Jun-14 A	23-Jun-14 A	
NHT10655-new	Storm concrete drainage system from Sta.0+000 to Sta.0+210 -Segment B	21d	50%	04-Jun-14 A	20-Jul-14	218d
NHT1060	Storm concrete drainage system from sta. B0+000 to B0+985 (985 LM) & outfall for @ St.B0+537 & B0+714 (115 &	21d	50%	07-Jun-14 A	20-Jul-14	114d
NHT10656-new	Storm concrete drainage system from Sta.0+953 Segment B to Sta.5+480 Segment A	21d	50%	08-Jun-14 A	20-Jul-14	218d
Stone Walls		35d		24-Apr-14 A	29-May-14 A	
NHT1081-NEW	Stone Walls_Segment B	21d	100%	24-Apr-14 A	29-May-14 A	
NHT1070	Stone wall from sta.A1+018 to A1+340	21d	100%	06-May-14 A	12-May-14 A	
NHT1082-NEW	Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A	21d	100%	06-May-14 A	12-May-14 A	
NHT1083-NEW	Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A	21d	100%	06-May-14 A	12-May-14 A	
Concrete curbstone and side walk		0d				0d
Others		35d		10-Apr-14 A	27-May-14 A	
NHT1150-new	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	21d	100%	10-Apr-14 A	28-Apr-14 A	
NHT1151-new	12" pipeline Mitered Bends Schedule and fabrication for -Segment D	21d	100%	19-May-14 A	27-May-14 A	
Material Submittals		164d		28-Nov-13 A	20-Jul-14	217d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		164d		28-Nov-13 A	20-Jul-14	217d
Material Submittals Roads		123d		28-Nov-13 A	28-May-14 A	
NHT1260	Prime Coat	21d	100%	28-Nov-13 A	09-Dec-13 A	
NHT1270	Tack Coat	21d	100%	28-Nov-13 A	09-Dec-13 A	
NHT1280	Bituminous Binder Course-Mix Design	21d	100%	28-Nov-13 A	04-Feb-14 A	
NHT1290	Bituminous Wearing Course-Mix Design	21d	100%	28-Nov-13 A	09-Dec-13 A	
NHT1360	Cat eyes	21d	100%	28-Nov-13 A	09-Dec-13 A	
NHT1370	Thermoplastic paint	21d	100%	28-Nov-13 A	09-Dec-13 A	
NHT1180	Concrete Mix Design including cement type	21d	100%	08-Dec-13 A	22-Jan-14 A	
NHT1230	Base Course Source	21d	100%	08-Dec-13 A	28-Dec-13 A	
NHT1400	Curbstone paint material	21d	100%	25-Dec-13 A	06-Jan-14 A	
NHT1240	Concrete Pipes	21d	100%	30-Dec-13 A	15-Jan-14 A	
NHT1250	Curbstone	21d	100%	30-Dec-13 A	06-Jan-14 A	
NHT1320	Concrete joint sealant material	21d	100%	30-Dec-13 A	15-Jan-14 A	



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

Date	Revision	Checked	Approved
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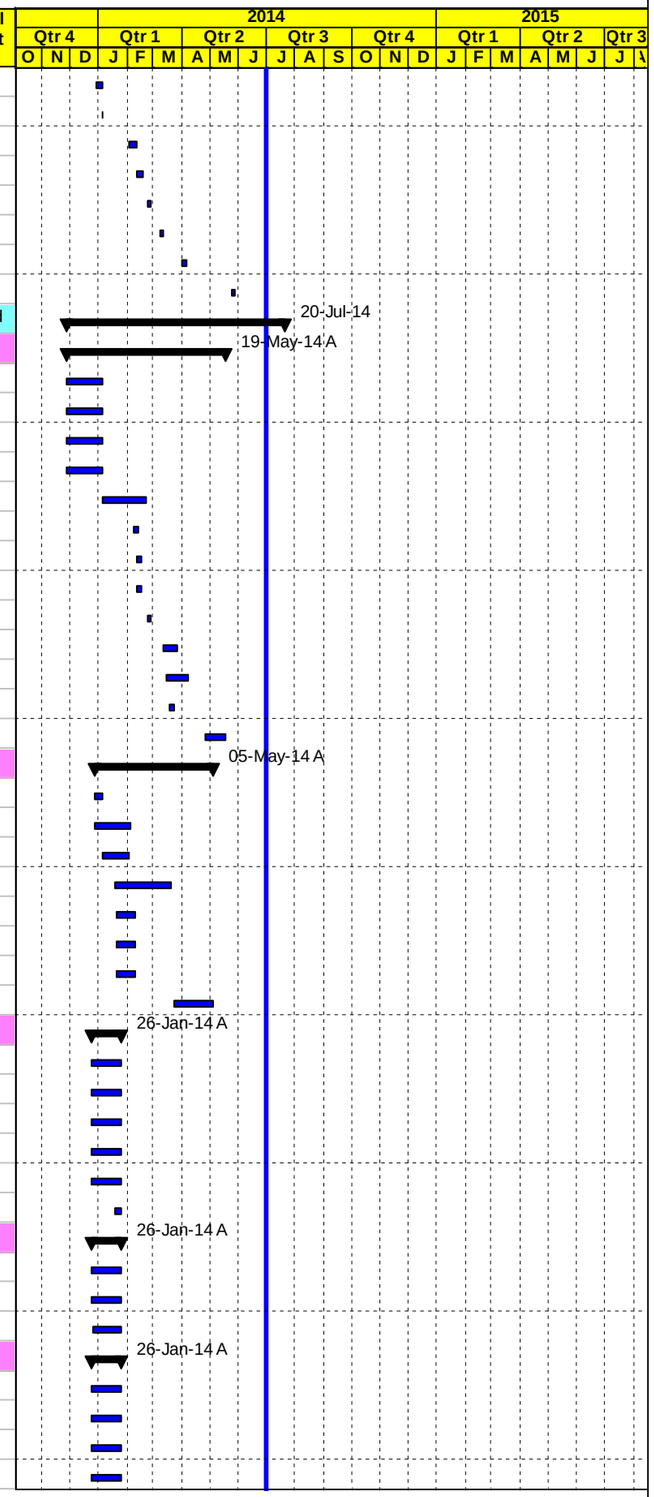
APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT1380	Guard Rail	21d	100%	30-Dec-13 A	06-Jan-14 A	
NHT1390	Traffic sign	21d	100%	05-Jan-14 A	06-Jan-14 A	
NHT1200	Steel Reinforcement	21d	100%	03-Feb-14 A	11-Feb-14 A	
NHT1310	Concrete Repair	21d	100%	12-Feb-14 A	18-Feb-14 A	
NHT1190	Formwork material	21d	100%	23-Feb-14 A	27-Feb-14 A	
NHT1210	Precast Concrete Manholes and catch basin	21d	100%	09-Mar-14 A	12-Mar-14 A	
NHT1411-new	Concrete curing compound material	21d	100%	01-Apr-14 A	06-Apr-14 A	
NHT1412-new	Joint Sealant Material	21d	100%	25-May-14 A	28-May-14 A	
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		164d		28-Nov-13 A	20-Jul-14	217d
Pipes		143d		28-Nov-13 A	19-May-14 A	
NHT1420	Steel pipeline 300 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
NHT1430	Steel pipeline 200 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
NHT1440	Steel pipeline 150 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
NHT1450	Steel pipeline 100 mm	21d	100%	28-Nov-13 A	05-Jan-14 A	
NHT1500	Shrinkable sheet	21d	100%	05-Jan-14 A	22-Feb-14 A	
NHT1512-NEW	Mill Certificate and testing reports for 8 inch steel pipe	21d	100%	09-Feb-14 A	13-Feb-14 A	
NHT1480	Bedding material	21d	100%	11-Feb-14 A	16-Feb-14 A	
NHT1490	Backfilling material (Single size)	21d	100%	12-Feb-14 A	16-Feb-14 A	
NHT1510	Warning tape	21d	100%	23-Feb-14 A	27-Feb-14 A	
NHT1511-NEW	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers	21d	100%	13-Mar-14 A	27-Mar-14 A	
NHT1460	Steel pipeline 75 mm	21d	100%	16-Mar-14 A	08-Apr-14 A	
NHT1470	Galvanized Steel pipeline 0.5", 0.75",1",1.5",2"	21d	100%	19-Mar-14 A	24-Mar-14 A	
NHT1471-NEW	Pipe Expansion Joint	21d	100%	27-Apr-14 A	19-May-14 A	
Fittings		36d		29-Dec-13 A	05-May-14 A	
NHT1580	Mechanical coupling	21d	100%	29-Dec-13 A	05-Jan-14 A	
NHT1590	Dismantling Joint	21d	100%	29-Dec-13 A	05-Feb-14 A	
NHT1550	Flanges	21d	100%	05-Jan-14 A	04-Feb-14 A	
NHT1560	Gaskets	21d	100%	20-Jan-14 A	20-Mar-14 A	
NHT1520	Steel Elbows	21d	100%	21-Jan-14 A	10-Feb-14 A	
NHT1530	Steel Tees	21d	100%	21-Jan-14 A	10-Feb-14 A	
NHT1540	Steel reducers	21d	100%	21-Jan-14 A	10-Feb-14 A	
NHT1570	Bolts ,washers & nuts	21d	100%	24-Mar-14 A	05-May-14 A	
Gate Valves		31d		25-Dec-13 A	26-Jan-14 A	
NHT1600	Gate valves16 , 200mm	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1610	Gate valves PN16,150	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1620	Gate valves 100.	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1630	Gate valves 75.	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1650	Manual Actuator for gate valves	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1640	Gate valves 50	21d	100%	20-Jan-14 A	26-Jan-14 A	
Butterfly valves		21d		25-Dec-13 A	26-Jan-14 A	
NHT1660	Butterfly valves PN40,300 mm	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1670	Butterfly valves PN40,250 mm	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1680	Butterfly valves PN25,250 mm	21d	100%	26-Dec-13 A	26-Jan-14 A	
Washout valve		21d		25-Dec-13 A	26-Jan-14 A	
NHT1690	Washout gate valve PN40DN250	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1700	Washout gate valve PN40DN200	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1710	Washout gate valve PN25DN150	21d	100%	25-Dec-13 A	26-Jan-14 A	
NHT1720	PN 16 bar, DN 75 mm washout Gate Valve on DN 150 mm and on DN 100 mm pipelines	21d	100%	25-Dec-13 A	26-Jan-14 A	



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

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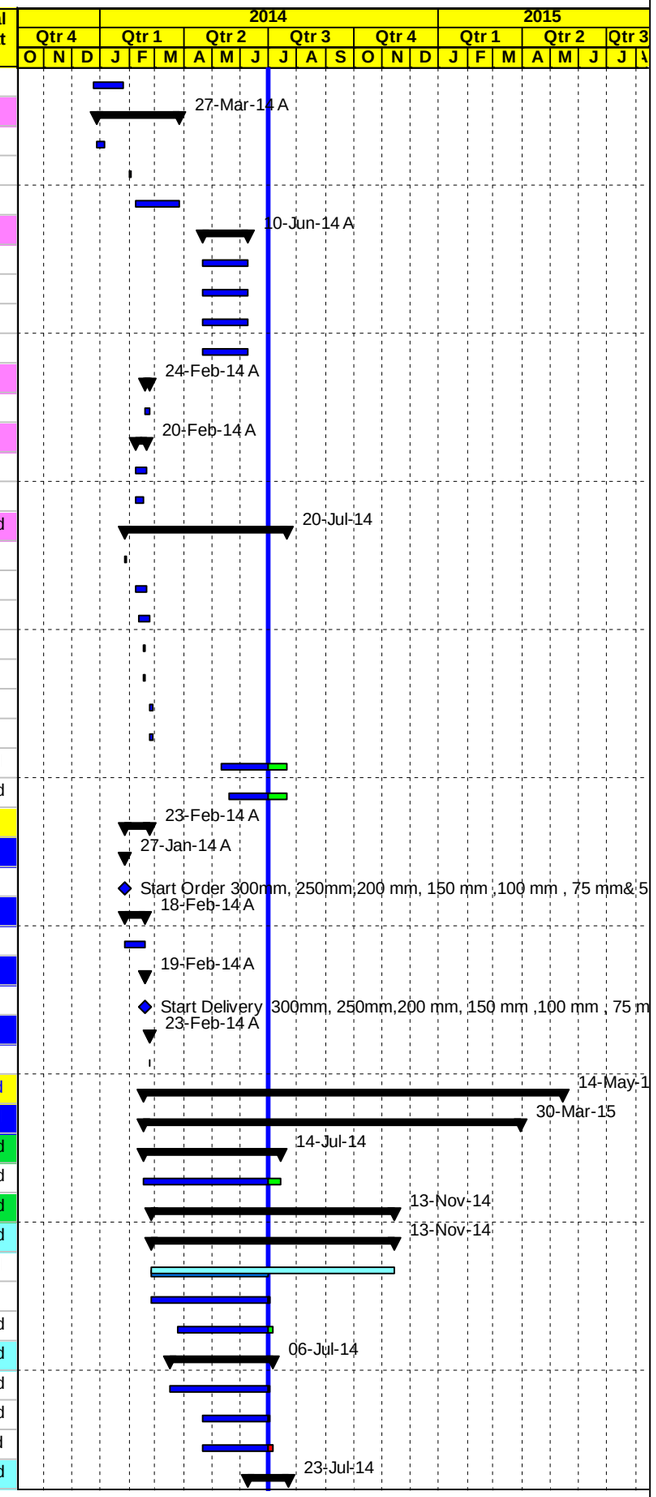
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT1730	PN 16 bar, DN 50 mm washout gate valve on DN 75 and DN 50 mm pipelines	21d	100%	25-Dec-13 A	26-Jan-14 A	
Air relief valves and Pressure reducing valve		29d		29-Dec-13 A	27-Mar-14 A	
NHT1740	Combination Air relief valves ,PN40,DN100-/PN25,DN80-/PN25,DN50	21d	100%	29-Dec-13 A	06-Jan-14 A	
NHT1750	Air relief valves	21d	100%	02-Feb-14 A	04-Feb-14 A	
NHT1760	Pressure reducing valves PN40 DN150	21d	100%	09-Feb-14 A	27-Mar-14 A	
Water meters		21d		22-Apr-14 A	10-Jun-14 A	
NHT1770	Water meters PN40 at 200mm pipe line	21d	100%	22-Apr-14 A	10-Jun-14 A	
NHT1780	Water meters PN16 at 150mm pipe line	21d	100%	22-Apr-14 A	10-Jun-14 A	
NHT1790	Water meters PN16 at 200mm pipe line	21d	100%	22-Apr-14 A	10-Jun-14 A	
NHT1800	Water meters PN25 at 100 mm pipe line	21d	100%	22-Apr-14 A	10-Jun-14 A	
Manholes and chambers		21d		18-Feb-14 A	24-Feb-14 A	
NHT1820	Manhole Cover and Frame.	21d	100%	18-Feb-14 A	24-Feb-14 A	
Control Valves		27d		09-Feb-14 A	20-Feb-14 A	
NHT1890	Remote Control Monitoring Flow water meterPN40,DN250	21d	100%	09-Feb-14 A	20-Feb-14 A	
NHT1870	Flow control valves	21d	100%	09-Feb-14 A	17-Feb-14 A	
Others		109d		27-Jan-14 A	20-Jul-14	217d
NHT1900	Strainers.	21d	100%	27-Jan-14 A	29-Jan-14 A	
NHT1980	Earthing Grounding System	21d	100%	09-Feb-14 A	20-Feb-14 A	
NHT1991-NEW	Repairing and application of interior steel pipes cement lining	21d	100%	12-Feb-14 A	24-Feb-14 A	
NHT1992-NEW	Bitumen Protective Coating for Underground Concrete	21d	100%	16-Feb-14 A	18-Feb-14 A	
NHT1993-NEW	Form Release Agent	21d	100%	16-Feb-14 A	18-Feb-14 A	
NHT1920	Spacers	21d	100%	23-Feb-14 A	27-Feb-14 A	
NHT1930	Tie Rods	21d	100%	23-Feb-14 A	27-Feb-14 A	
NHT1950	Pressure Gauge With Needle Valve	21d	50%	11-May-14 A	20-Jul-14	69d
NHT2000-NEW	Paint as Second Coat to be Sparyed Over Factory EPOXY Coating to Protect Pipe against UV Rays- -Segment D	21d	50%	21-May-14 A	20-Jul-14	217d
Procurements		64d		27-Jan-14 A	23-Feb-14 A	
Order		0d		27-Jan-14 A	27-Jan-14 A	
NHT2000	Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	0d	100%	27-Jan-14 A		
Manufacturing		28d		27-Jan-14 A	18-Feb-14 A	
NHT2030	300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	28d	100%	27-Jan-14 A	18-Feb-14 A	
Delivery		0d		19-Feb-14 A	19-Feb-14 A	
NHT2060	Start Delivery 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	0d	100%	19-Feb-14 A		
Testing		2d		23-Feb-14 A	23-Feb-14 A	
NHT2090	300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	2d	100%	23-Feb-14 A	23-Feb-14 A	
Construction Work		483d		16-Feb-14 A	14-May-15	-16d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		416d		16-Feb-14 A	30-Mar-15	29d
Implementation traffic control and safety plan		14d		16-Feb-14 A	14-Jul-14	221d
NHT2505	Implementation traffic control and safety plan	14d	50%	16-Feb-14 A	14-Jul-14	221d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		243d		26-Feb-14 A	13-Nov-14	166d
Safety and Excavation		145d		26-Feb-14 A	13-Nov-14	127d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	26-Feb-14 A	13-Nov-14	96d
NHT2520	Excavation for reconstruction road From Sta. A0+000 To A0+720	21d	95%	26-Feb-14 A	02-Jul-14	-9d
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	21d	90%	26-Mar-14 A	05-Jul-14	226d
Concrete Wall Crew one		76d		17-Mar-14 A	06-Jul-14	225d
NHT2560	Construct R.Concrete Retaining wall from Sta. A0+129to A0+200 RHS (71 LM)	14d	95%	17-Mar-14 A	02-Jul-14	227d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	95%	22-Apr-14 A	03-Jul-14	193d
NHT2590	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+614 to A0+790 LHS	26d	90%	22-Apr-14 A	06-Jul-14	-17d
Concrete Wall Crew two		28d		10-Jun-14 A	23-Jul-14	216d



◇ Milestone Early Bar — Actual Level of Effort — Level of Effort
Actual Work — Early Bar — Summary
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APCO ArCon CONSTRUCTION AND SERVICES

Construction Program
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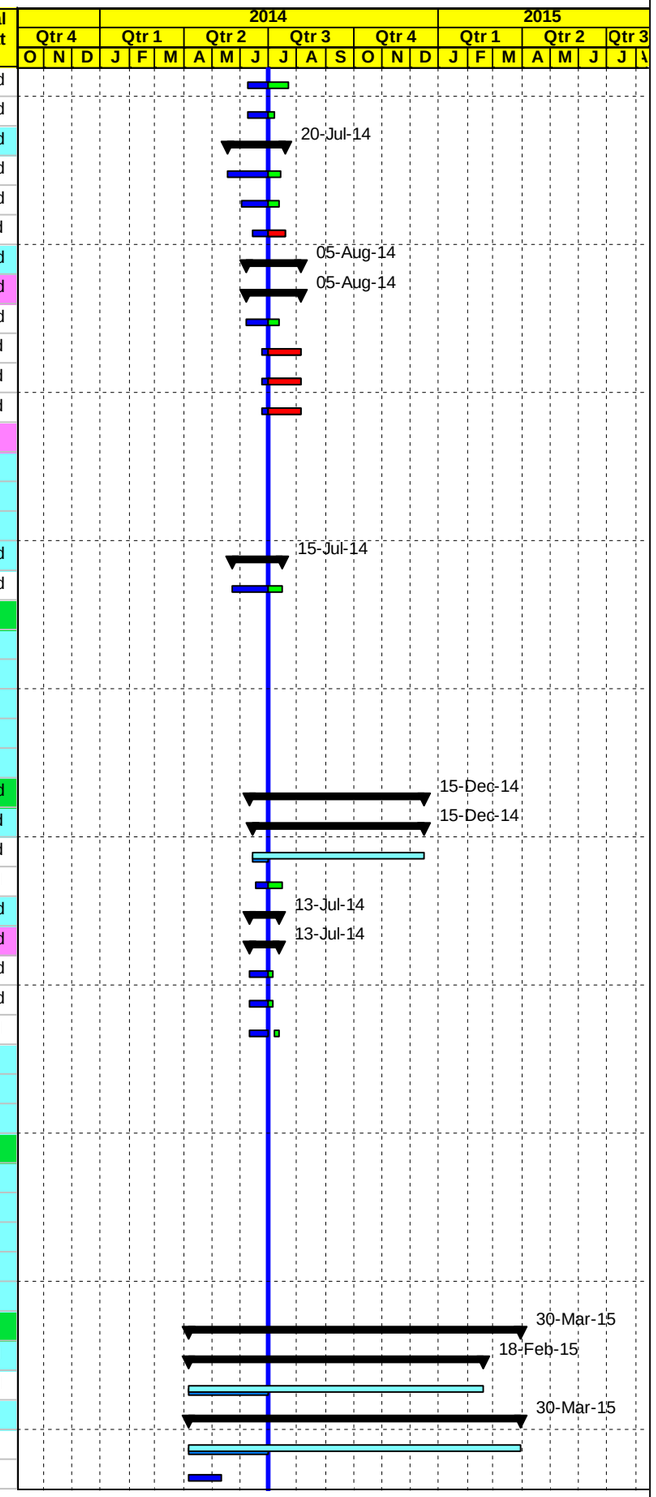
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT2620	Construct R.Concrete Backing wall (One Side Shutter Wall) from Sta. A0+827 to A0+930LHS	20d	40%	10-Jun-14 A	23-Jul-14	216d
NHT2610	Construction Rubbil Concrete Wall 0+790 to 0+827 LHS	8d	60%	10-Jun-14 A	07-Jul-14	191d
Box Culvert		52d		19-May-14 A	20-Jul-14	218d
NHT2650	Construct box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+(	23d	70%	19-May-14 A	14-Jul-14	221d
NHT2660	Construct box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+98	16d	60%	02-Jun-14 A	13-Jul-14	188d
NHT2670	Construct Pipe culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	17d	40%	15-Jun-14 A	20-Jul-14	-25d
Pipe Installation		25d		07-Jun-14 A	05-Aug-14	266d
300 mm main pipeline		25d		07-Jun-14 A	05-Aug-14	266d
NHT2770	Digging	21d	40%	07-Jun-14 A	13-Jul-14	289d
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	21d	10%	24-Jun-14 A	05-Aug-14	-27d
NHT2700	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (1210 LM)	21d	10%	25-Jun-14 A	05-Aug-14	-27d
NHT2710	Backfill the pipe trench with (single size aggregate) to the required level (1210 LM)	21d	10%	25-Jun-14 A	05-Aug-14	-62d
300 mm main pipeline with 75 mm dist. Pipe		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt From Sta. A0+000 To A0+720		0d				0d
Base course ,Stone Wall and Asphalt From Sta. A0+720 To A1+440		20d		24-May-14 A	15-Jul-14	186d
NHT2804	Construct stone walls from sta.A0+500to A1+340	20d	60%	24-May-14 A	15-Jul-14	186d
SEG.A From Sta.A1+440- A2+190 (Residential area)		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.A From Sta A2+190.to Sta. A3+320 (Non-Residential area)		179d		11-Jun-14 A	15-Dec-14	134d
Safety, Excavation and Box Culvert		134d		14-Jun-14 A	15-Dec-14	-62d
NHT2940	Maintain traffic control and safety plan with coordination	134d	7.45%	14-Jun-14 A	15-Dec-14	-62d
NHT2950	Excavation for reconstruction road including subgrade and backfilling if required	14d	40%	18-Jun-14 A	16-Jul-14	12d
Pipe Installation		92d		11-Jun-14 A	13-Jul-14	222d
50 mm dist. Pipe		92d		11-Jun-14 A	13-Jul-14	222d
NHT2985	Trench excavation 50 mm dist. Pipe from A2+190 to sta. A3+310 I	12d	80%	11-Jun-14 A	05-Jul-14	226d
NHT2987	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection	12d	80%	11-Jun-14 A	05-Jul-14	226d
NHT2999	Backfill the pipe trench with (single size aggregate) to the required level	12d	80%	11-Jun-14 A	13-Jul-14	13d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.C From St.C0+000 -St.C0+330 (Residential area)		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.E From Sta. E0+000 to Sta.E1+276		267d		05-Apr-14 A	30-Mar-15	0d
From Sta. E0+000 to Sta.E0+650		214d		06-Apr-14 A	18-Feb-15	31d
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	20.14%	06-Apr-14 A	18-Feb-15	31d
From Sta. E0+650 to Sta.E1+276		267d		05-Apr-14 A	30-Mar-15	0d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	9.8%	05-Apr-14 A	30-Mar-15	0d
NHT3255-new	Construct R.Concrete Retaining wall from Sta. E1+100 to E1+116 RHS (16 LM)	21d	100%	06-Apr-14 A	11-May-14 A	



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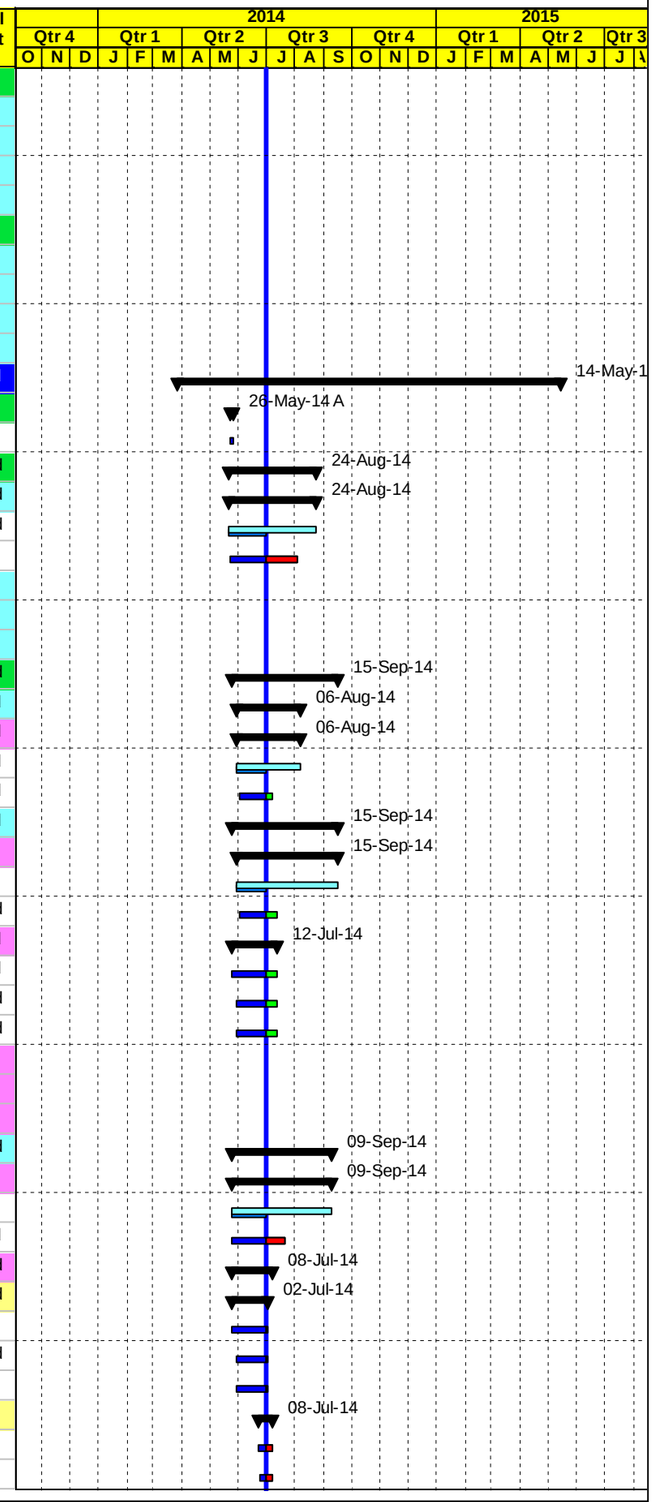
APCO ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
Hussan Distribution pipes		0d				0d
Safety and Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Battir Distribution pipes		0d				0d
Safety and Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Asphalt		0d				0d
Group Two Seg D , SEG.A Road From Sta. 3+320 to Sta. A8+203 and Seg. B		456d		27-Mar-14 A	14-May-15	-21d
Implementation traffic control and safety plan		3d		24-May-14 A	26-May-14 A	
NHT3445	Implementation traffic control and safety plan	3d	100%	24-May-14 A	26-May-14 A	
SEG.D From Sta.D0+518 to Sta.D0+000 (Non-Residential area)		83d		22-May-14 A	24-Aug-14	238d
Safety, Excavation and Concrete Works		68d		22-May-14 A	24-Aug-14	185d
NHT3450	Maintain traffic control and safety plan ,coordination for relocation utilities and others	39d	10.55%	22-May-14 A	24-Aug-14	185d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	24-May-14 A	03-Aug-14	-2d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
SEG.A From Sta.A3+320 to Sta.A5+800		136d		25-May-14 A	15-Sep-14	220d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		30d		29-May-14 A	06-Aug-14	118d
Safety, Excavation, Culvert and Base course		30d		29-May-14 A	06-Aug-14	118d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	29d	31.03%	29-May-14 A	06-Aug-14	118d
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widening	14d	70%	02-Jun-14 A	08-Jul-14	118d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		84d		26-May-14 A	15-Sep-14	119d
Safety, Excavation, Culvert , concrete channel and Basecourse		60d		29-May-14 A	15-Sep-14	89d
NHT3580	Maintain traffic control and safety plan ,coordination for relocation utilities and others	60d	10%	29-May-14 A	15-Sep-14	89d
NHT3590	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	20d	70%	02-Jun-14 A	12-Jul-14	105d
Pipe Installation		15d		26-May-14 A	12-Jul-14	112d
NHT3620	Trench excavation for 250 mm main pipeline from A3+350 to sta.A4+560 with length approx. (1210LM)	15d	60%	26-May-14 A	12-Jul-14	112d
NHT3630	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1210LM)	15d	60%	31-May-14 A	12-Jul-14	105d
NHT3640	Backfill the pipe trench with (single size aggregate) to the required level (1210LM)	15d	60%	31-May-14 A	12-Jul-14	104d
Chamber work		0d				0d
Testing		0d				0d
Base course and Stone Wall		0d				0d
SEG.A From Sta.A4+560 to Sta.A5+800 RHS (Pipeline)		135d		25-May-14 A	09-Sep-14	226d
Safety, Excavation and Concrete Works		71d		25-May-14 A	09-Sep-14	-2d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	25-May-14 A	09-Sep-14	-2d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	40%	26-May-14 A	21-Jul-14	-17d
Pipe Installation		70d		26-May-14 A	08-Jul-14	289d
250 mm main pipeline		11d		26-May-14 A	02-Jul-14	223d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+170	11d	90%	26-May-14 A	02-Jul-14	29d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	11d	90%	31-May-14 A	02-Jul-14	223d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level	11d	90%	31-May-14 A	02-Jul-14	28d
250 mm main pipeline with 50 mm dist. Pipe		7d		23-Jun-14 A	08-Jul-14	-1d
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+170 to A5+800	7d	40%	23-Jun-14 A	08-Jul-14	-1d
NHT3763	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection	7d	40%	24-Jun-14 A	08-Jul-14	-1d



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Nahaleen Main Pipeline Project

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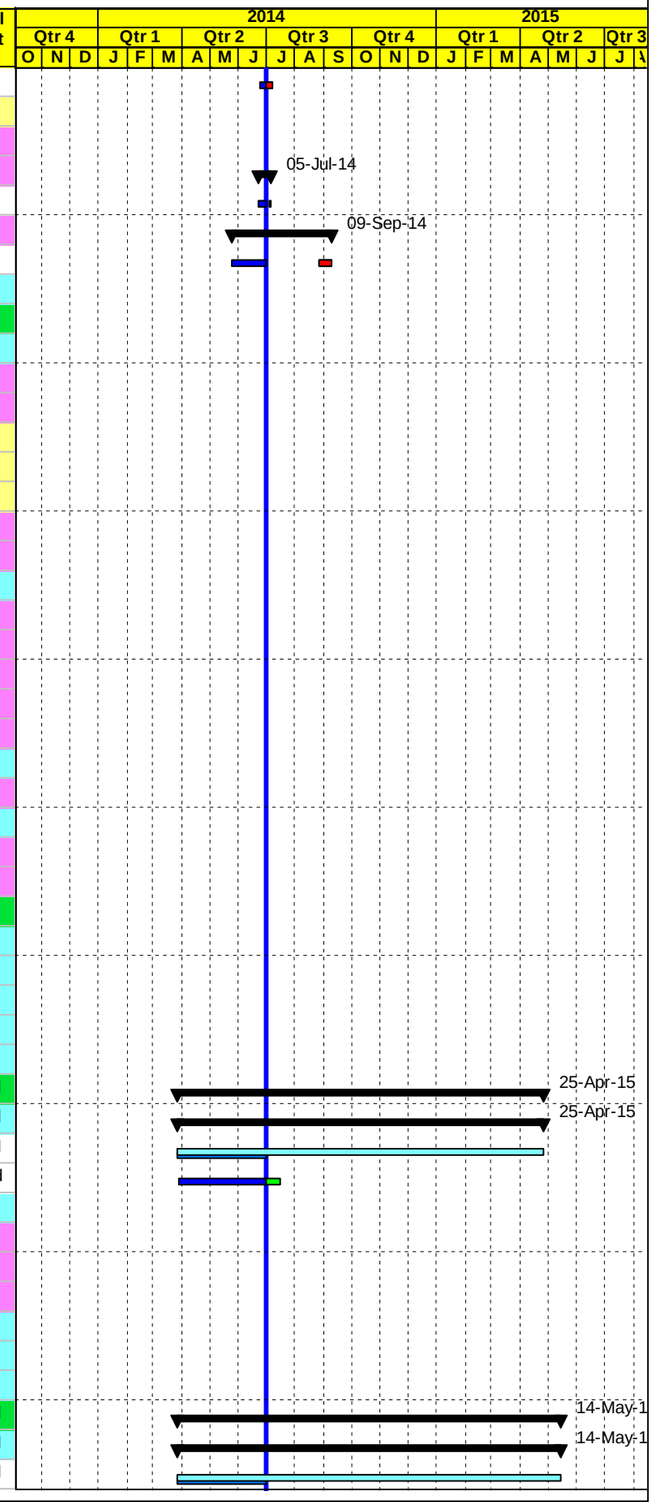
NHT3766	Backfill the pipe trench with (single size aggregate) to the required level	7d	40%	24-Jun-14 A	08-Jul-14	-1d
House connection		0d				0d
Chamber work		0d				0d
Testing		1d		22-Jun-14 A	05-Jul-14	1d
NHT3815	Radiographic Testing (RT)	1d	50%	22-Jun-14 A	05-Jul-14	1d
Base course		20d		26-May-14 A	09-Sep-14	-2d
NHT3830	Subgrad and install first and second layer of 20 cm base course for widening the road	20d	40%	26-May-14 A	09-Sep-14	-2d
SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS (Asphalt -work)		0d				0d
SEG.A From Sta.A5+800 to Sta. 7+460		0d				0d
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Residential area)		0d				0d
Safety, Excavation, Pipe Culvert and storm system		0d				0d
Pipe Installation		0d				0d
200 mm main pipeline with 100 mm dist. Pipe		0d				0d
200 mm main pipeline with 150 mm dist. Pipe		0d				0d
House connection		0d				0d
Testing		0d				0d
Base course Side walk and asphalt		0d				0d
SEG.A From Sta.A6+630 to Sta. 7+460 RHS (Residential area)		0d				0d
Safety, Excavation and storm system		0d				0d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course , street lighting ,Side walk ans asphalt		0d				0d
SEG.A From Sta.A5+800 to Sta. 6+630 LHS (Residantial area)		0d				0d
Safety, Excavation, Pipe Culvert, storm system and base course		0d				0d
SEG.A From Sta.A6+630 to Sta. 7+460 LHS (Residential area)		0d				0d
Safety, Excavation, Pipe Culvert, storm system, base course, Side walk and asphalt		0d				0d
Chamber work		0d				0d
SEG.A Road From Sta. 7+460 to Sta. A8+203		0d				0d
Safety and Excavation		0d				0d
Pipe Installation		0d				0d
Chamber Work		0d				0d
Testing		0d				0d
Base course and Asphalt		0d				0d
SEG.B From Sta. B0+000 to Sta. B0+985 RHS (Residential area)		101d		27-Mar-14 A	25-Apr-15	-35d
Safety, Excavation and Storm system		77d		27-Mar-14 A	25-Apr-15	-29d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	27-Mar-14 A	25-Apr-15	-29d
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	10d	20%	29-Mar-14 A	15-Jul-14	104d
Pipe Installation		0d				0d
100 mm main pipeline from		0d				0d
100 mm main pipeline with 100 mm dist. Pipe		0d				0d
House connection		0d				0d
Chamber work		0d				0d
Testing		0d				0d
Base course , street lighting , Side walk an asphalt		0d				0d
SEG.B From Sta. B0+000 to Sta. B0+985 LHS (Residential area)		300d		27-Mar-14 A	14-May-15	-39d
Testing, Base course ,Side walk and Asphalt		300d		27-Mar-14 A	14-May-15	-39d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	27-Mar-14 A	14-May-15	-39d



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

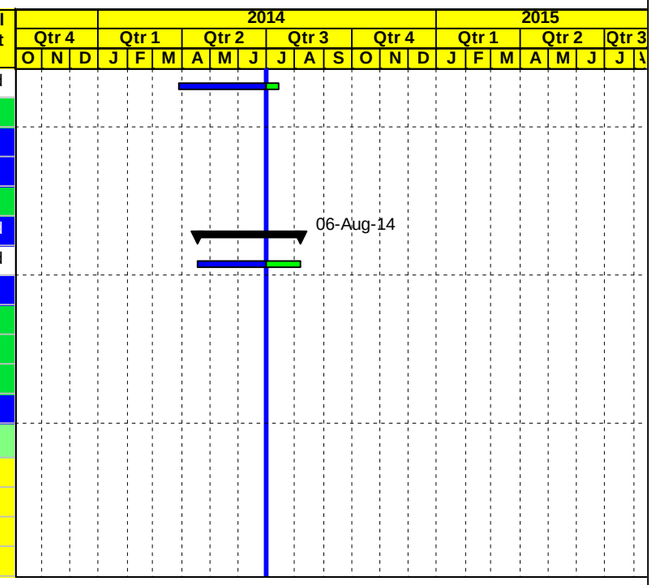
Date	Revision	Checked	Approved
03-Jul-14			

APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	9d	20%	29-Mar-14 A	14-Jul-14	161d
Asphalt for SEG. A5+800 to 8+203 A & B		0d				0d
Detours (If any)		0d				0d
Cancaled Activities		0d				0d
300 mm main pipeline with 75 mm dist. Pipe		0d				0d
Miscellaneous activities - If any as location is not determined yet		21d		19-Apr-14 A	06-Aug-14	200d
NHT4810	Stone Wall	21d	5%	19-Apr-14 A	06-Aug-14	200d
Final Mechanical connection		0d				0d
Safety		0d				0d
Mechanical		0d				0d
Final Disinfection and Pressure Testing		0d				0d
Road Finishing work for SEG. A , B, C & E		0d				0d
Post Construction Phase		0d				0d
Post 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
03-Jul-14			

C | Progress S-Curve Versus Actual

Construction Progress S-Curve

Total Contract Value $ 12,214,885

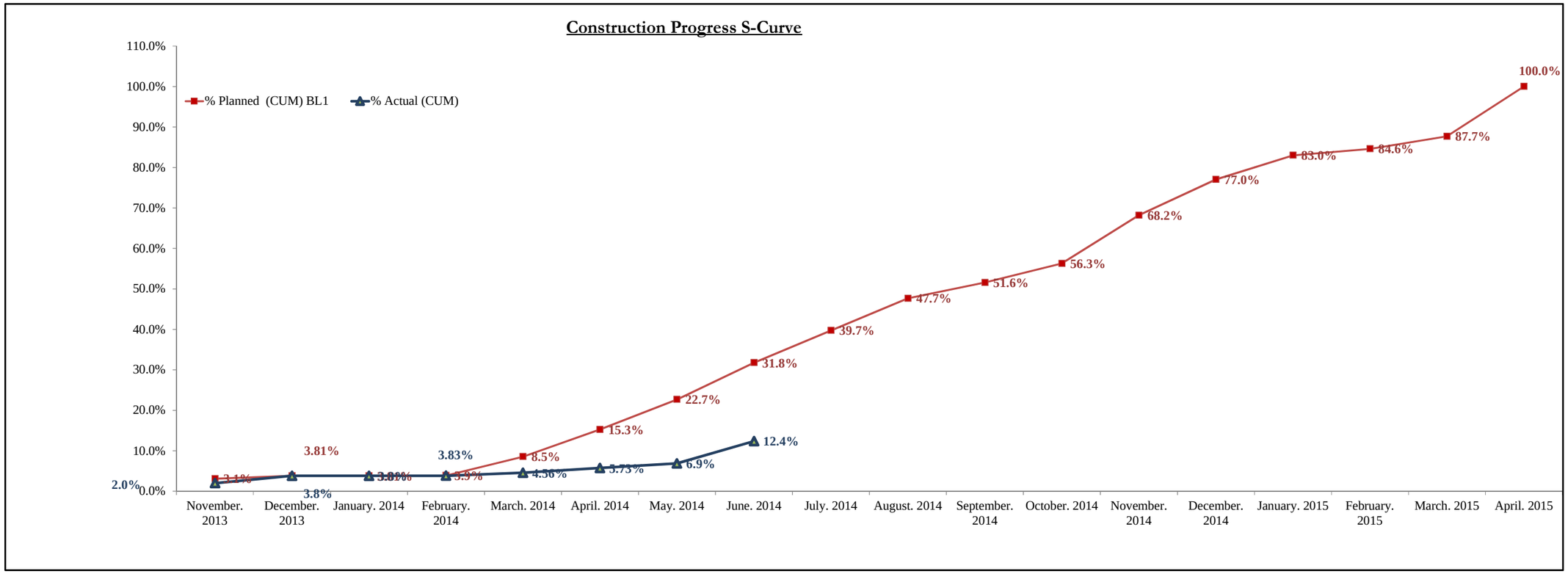
Total Contract Value (Day Work Not Included): $ 11,614,885

Project Duration : 540 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	TOTAL
Planned Value (Baseline1)	$ 360,336	$ 82,135		$ 9,408	$ 540,287	$ 780,466	$ 862,021	$ 1,054,284	$ 924,726	$ 922,757	$ 452,623	$ 547,975	$ 1,382,816	$ 1,028,935	$ 692,890	$ 186,458	$ 358,238	$ 1,428,527	$11,614,885
Planned Value (CUM)	$ 360,336	$ 442,472	$ 442,472	$ 451,880	$ 992,168	$ 1,772,634	$ 2,634,655	$ 3,688,939	$ 4,613,664	$ 5,536,422	$ 5,989,045	$ 6,537,020	$ 7,919,836	$ 8,948,771	$ 9,641,661	$ 9,828,119	$ 10,186,358	$ 11,614,885	
% Planned	3.1%	0.7%	0.00%	0.1%	4.7%	6.7%	7.4%	9.1%	8.0%	7.9%	3.9%	4.7%	11.9%	8.9%	6.0%	1.6%	3.1%	12.3%	**100%**
% Planned (CUM) BL1	3.1%	3.81%	3.81%	3.9%	8.5%	15.3%	22.7%	31.8%	39.7%	47.7%	51.6%	56.3%	68.2%	77.0%	83.0%	84.6%	87.7%	100.0%	
Actual Value	$ 231,915	$ 210,557		$ 2,395	$ 84,283	$ 136,932	$ 132,560	$ 638,960											**$ 1,437,602**
Actual Value (CUM)	$ 231,915	$ 442,472	$ 442,472	$ 444,867	$ 529,150	$ 666,082	$ 798,642	$ 1,437,602											
% Actual	2.0%	1.8%	0.0%	0.02%	0.73%	1.18%	1.14%	5.50%											**12.4%**
% Actual (CUM)	2.0%	3.8%	3.8%	3.83%	4.56%	5.73%	6.9%	12.4%											



D | Site Memos Log

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project
Site Memo Log (E-C)

SUBMITTAL				TRACKING DATES	
Spec. No.	Site Memo No	Subject	Project	Submitted on (M/D/Y)	Remarks
	SM-13-00015-NHT-E-C-001	Walkthrough of Nahaleen Pipeline Project	NHT	01/02/14	Site Instruction
	SM-13-00015-NHT-E-C-002	Response to SM-13-00015-NHT-C-E-001	NHT	01/08/14	Other
	SM-13-00015-NHT-E-C-003	Revised Drawing (Plan and Profile) from Sta.A0+000 to Sta.A1+400	NHT	02/03/14	Site Instruction
	SM-13-00015-NHT-E-C-004	Revised Drawing from Sta.B0+000 to Sta.0+983	NHT	02/11/14	Site Instruction
	SM-13-00015-NHT-E-C-005	50 mm Distribution Pipeline Extension	NHT	02/26/14	Site Instruction
	SM-13-00015-NHT-E-C-006	Revise Typical Section from Sta.A3+320 to Sta.A5+720	NHT	03/04/14	Site Instruction
	SM-13-00015-NHT-E-C-007	Existing Street Lighting Poles' Condition	NHT	03/25/14	Site Instruction
	SM-13-00015-NHT-E-C-008	Construction of Stone Walls at Segment A from Sta.A0+000 to Sta.1+400	NHT	04/10/14	Site Instruction
	SM-13-00015-NHT-E-C-009	Stone Walls and Boundary Walls at Segment B	NHT	04/17/14	Site Instruction
	SM-13-00015-NHT-E-C-010	Existing Stone Wall from Sta.A0+480 to Sta.A1+430	NHT	04/20/14	Site Instruction
	SM-13-00015-NHT-E-C-011	Internal Network Distribution Pipes	NHT	05/04/14	Site Instruction
	SM-13-00015-NHT-E-C-012	Joint Walkthrough at Segment C,E and A from Sta.A1+400 to Sta.A3+200	NHT	05/05/14	Record of Joint Walkthrough
	SM-13-00015-NHT-E-C-013	Steel Pipes' End Caps	NHT	05/05/14	Record of Unsatisfactory Work Practice
	SM-13-00015-NHT-E-C-014	Slow Rate of Progress and Project Delays	NHT	05/12/14	Site Instruction
	SM-13-00015-NHT-E-C-015	Response to SM-13-00015-NHT-C-E-002	NHT	05/13/14	Site Instruction
	SM-13-00015-NHT-E-C-016	Box Culvert at Sta.A0+951.6	NHT	05/28/14	Site Instruction
	SM-13-00015-NHT-E-C-017	Stone Wall Mockup Sample	NHT	06/03/14	Site Instruction
	SM-13-00015-NHT-E-C-018	Utilizing plastic bags in replacement of per-cast Jersey Barriers	NHT	06/17/14	Record of Unsafe Condition
	SM-13-00015-NHT-E-C-019	Damages to Existing Stone Walls	NHT	06/17/14	Site Instruction
	SM-13-00015-NHT-E-C-020	Installation of 4" future ducts from Sta.A5+390 to Sta.A5+440	NHT	06/29/14	Site Instruction

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project
Site Memo Log (C-E)

SUBMITTAL				TRACKING DATES	
Spec. No.	Site Memo No	Subject	Project	Submitted on (M/D/Y)	Remarks
	SM-13-00015-NHT-C-E-001	Walkthrough of Nahaleen Pipeline Project	NHT	01/05/14	Other
	SM-13-00015-NHT-C-E-002	Revised Drawings from Sta.B0+000 to Sta.B0+983	NHT	05/04/14	Other
	SM-13-00015-NHT-C-E-003	Correction action regard Site Memo # SM-13-00015-NHT-E-C-013	NHT	05/11/14	Other
	SM-13-00015-NHT-C-E-004	Confirmation of verbal site instruction(Additional Road Widening RHS from sta.3+300 to sta.3+700)	NHT	06/16/14	Record of verbal Site Instruction

E | Inspection Requests Log

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project
Inspection Request Log

SUBMITTAL			TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	Date Inspection Required	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00015-NHT-001-A	Control points and natural ground level from Sta.A 0+000 to Sta.A 1+400 & from Sta.A 3+320 to Sta.A 5+800	01/21/14	01/21/14	01/21/14	0	A
	IR-13-00015-NHT-002-A	Control points and natural ground level from Sta.A 1+400 to Sta.A 3+320 & from Sta.A 5+800 to Sta.A 8+214	01/21/14	01/21/14	01/21/14	0	A
	IR-13-00015-NHT-003-A	Center line location and elevation and Bench mark locations and elevation	01/23/14	01/26/14	01/27/14	1	C
	IR-13-00015-NHT-003-B	Center line location and elevation and Bench mark locations and elevation	01/28/14	01/28/14	01/28/14	0	A
	IR-13-00015-NHT-004-A	475.8 ML of 10 inch steel pipes with 1/4 inch wall thickness , 4.5 mm min cement lining and 2 mm external PE layer	02/23/14	02/23/14	02/24/14	1	A
	IR-13-00015-NHT-005-A	Traffic plan from Sta.A 0+000 to Sta.A 1+400	02/23/14	02/24/14	02/25/14	1	A
	IR-13-00015-NHT-006-A	Welders testing	02/24/14	02/27/14	03/03/14	4	A
	IR-13-00015-NHT-007-A	(1232.20)ML of 10 inch steel pipe with 1/4 inch wall thickness, 4.5 mm min cement lining and 2 mm external PE layer & (140) piece of shrinkable sheet(CANUSA)	02/25/14	02/25/14	02/26/14	1	A
	IR-13-00015-NHT-008-A	Start excavation the foundation of retaining wall from Sta.A 0+129 to Sta.A 0+210 at RHS	03/16/14	03/16/14	03/17/14	1	A
	IR-13-00015-NHT-009-A	Alignment foundation of retaining wall From Sta.A0+129 to Sta.A 0+210 at RHS	03/27/14	03/29/14	03/30/14	1	A
	IR-13-00015-NHT-010-A	Start cast blinding concrete under foundation for retaining wall from Sta.A 0+125 to Sta.A 0+205	04/01/14	04/01/14	04/02/14	1	A
	IR-13-00015-NHT-011-A	Start cast blinding concrete under foundation for retaining wall for from Sta.E 1+100 to Sta.E 1+116 at LHS	04/06/14	04/06/14	4/6/2014	0	A
	IR-13-00015-NHT-012-A	Reinforcement steel and formwork of foundation for retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS	04/10/14	04/12/14	04/13/14	1	A
	IR-13-00015-NHT-013-A	Reinforcement steel and formwork of foundation for retaining wall (RHS) from Sta.A 0+168.5 to Sta.A 0+205	04/10/14	04/12/14	04/13/14	1	A
	IR-13-00015-NHT-014-A	12 inch , 10 inch steel pipe before start coating and (2 inch GSP)(ready) before transmitting to the site	04/23/14	04/24/14	04/24/14	0	A
	IR-13-00015-NHT-015-A	Reinforcement steel and form work of foundation for retaining wall from Sta.A 0+157 to St.A 0+168.5 at RHS	04/15/14	04/15/14	04/16/14	1	A
	IR-13-00015-NHT-016-A	Reinforcement steel for stem for retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS	04/15/14	04/16/14	04/16/14	0	A
	IR-13-00015-NHT-017-A	Reinforcement steel and form work for foundation prior cast concrete for retaining wall from Sta.A 0+144 to Sta.A 0+157 at RHS	04/17/14	04/17/14	04/17/14	0	A
	IR-13-00015-NHT-018-A	Form work for stem prior cast concrete (LHS) retaining wall from Sta.E 1+100 to Sta.E 1+116	04/17/14	04/19/14	04/20/14	1	A
	IR-13-00015-NHT-019-A	Excavation and leveling under stone from Sta.B 0+160 to Sta.B 0+200	04/17/14	04/19/14	04/20/14	1	A
	IR-13-00015-NHT-020-A	Mockup of stone wall from Sta.B 0+187 to Sta.B 0+190 at RHS	04/21/14	04/21/14	04/22/14	1	C
	IR-13-00015-NHT-021-A	Form work and reinforcement steel for foundation prior cast concrete from Sta.A 0+130.92 to Sta.A 1+144.19 at RHS	04/21/14	04/21/14	04/22/14	1	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
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TASK ORDER #15, Nahaleen Main Pipeline Project
Inspection Request Log

SUBMITTAL			TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	Date Inspection Required	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00015-NHT-022-A	Form work and reinforcement steel for foundation prior cast concrete from Sta.A 0+125 to Sta.A 0+130.92 at RHS	04/23/14	04/23/14	04/24/14	1	A
	IR-13-00015-NHT-023-A	Reinforcement steel for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84	04/24/14	04/24/14	04/24/14	0	C
	IR-13-00015-NHT-023-B	Reinforcement steel for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84	04/27/14	04/27/14	04/27/14	0	A
	IR-13-00015-NHT-024-A	Bottom level for benching from Sta.A 0+230 to Sta.A 0+370 at RHS	04/24/14	04/26/14	04/27/14	1	A
	IR-13-00015-NHT-025-A	Formwork for Stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS	04/24/14	04/26/14	04/27/14	1	A
	IR-13-00015-NHT-026-A	Reinforcement steel for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS	04/27/14	04/27/14	04/27/14	0	A
	IR-13-00015-NHT-027-A	Final formwork for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS	04/27/14	04/28/14	04/29/14	1	C
	IR-13-00015-NHT-027-B	Final formwork for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS	04/29/14	04/29/14	04/29/14	0	A
	IR-13-00015-NHT-028-A	Cast concrete for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS	04/27/14	04/28/14	04/29/14	1	A
	IR-13-00015-NHT-029-A	first layer of benching from Sta.A 0+240 to Sta.A 0+340 at RHS	04/28/14	04/29/14	04/30/14	1	A
	IR-13-00015-NHT-030-A	Levels and alignment of stone wall protection from Sta.A 0+480 to Sta.A 0+574 at LHS	04/28/14	04/30/14	04/30/14	0	A
	IR-13-00015-NHT-031-A	First layer of Bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS	04/29/14	05/03/14	05/05/14	2	C
	IR-13-00015-NHT-031-B	First layer of Bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS	05/08/14	05/08/14	05/08/14	0	A
	IR-13-00015-NHT-032-A	Second layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS	04/29/14	04/30/14	04/30/14	0	A
	IR-13-00015-NHT-033-A	Reinforcement steel fro stem of retaining wall from Sta.A 0+125 to Sta.A 0+130 at RHS	04/30/14	04/30/14	04/30/14	0	A
	IR-13-00015-NHT-034-A	Rubble concrete under stone wall protection from Sta.A 0+550 to Sta.A 0+572 at LHS	04/30/14	04/30/14	04/30/14	0	A
	IR-13-00015-NHT-035-A	Third layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS	04/30/14	05/01/14	05/04/14	3	A
	IR-13-00015-NHT-036-A	Final formwork for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS	04/30/14	05/03/14	05/04/14	1	A
	IR-13-00015-NHT-037-A	Cast concrete for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS	04/30/14	05/03/14	05/04/14	1	A
	IR-13-00015-NHT-038-A	(756.40) LM of 10 inch steel pipes with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and2 mm external PE layer and (11.5) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and external epoxy coated(63) piece of 10 inch shrinkable sheet with (CPS)	05/01/14	05/04/14	05/04/14	0	C
	IR-13-00015-NHT-038-B	(756.40) LM of 10 inch steel pipes with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and2 mm external PE layer and (11.5) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and external epoxy coated(63) piece of 10 inch shrinkable sheet with (CPS)	06/07/14	06/07/14	06/07/14	0	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project
Inspection Request Log

SUBMITTAL			TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	Date Inspection Required	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00015-NHT-039-A	Reinforcement steel for stem of retaining wall from Sta.A 0+194.84 to Sta.A 0+205.65 at RHS	05/03/14	05/04/14	05/05/14	1	A
	IR-13-00015-NHT-040-A	Final formwork for stem of Retaining Wall from Sta.A 0+194.84 to Sta.A 0+205.65 at RHS	05/03/14	05/04/14	05/05/14	1	A
	IR-13-00015-NHT-041-A	Final formwork for stem of Retaining Wall from Sta.A 0+125 to Sta.A 0+130.92 at RHS	05/03/14	05/04/14	05/05/14	1	A
	IR-13-00015-NHT-042-A	Cast concrete for stem of retaining wall from Sta.A 0+125 to Sta.A 0+130.92 at RHS	05/03/14	05/05/14	05/05/14	0	A
	IR-13-00015-NHT-043-A	Cast concrete for stem of retaining wall from Sta.A 0+194.84 .to Sta.A 0+205.65 at RHS	05/03/14	05/05/14	05/05/14	0	A
	IR-13-00015-NHT-044-A	Fourth layer of benching from Sta.A 0+240 .to Sta.A 0+360 at RHS	05/04/14	05/05/14	05/05/14	0	A
	IR-13-00015-NHT-045-A	Reinforcement steel for one side shutter for stone wall concrete protection from Sta.A 0+488 to Sta.A 0+574.10 at LHS	05/06/14	05/07/14	05/08/14	1	A
	IR-13-00015-NHT-046-A	Reinforcement steel for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS	05/06/14	05/07/14	05/08/14	1	A
	IR-13-00015-NHT-047-A	Reinforcement steel for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS	05/06/14	05/07/14	05/08/14	1	A
	IR-13-00015-NHT-048-A	Final formwork for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00015-NHT-049-A	Final form work for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS	05/11/14	05/11/14	05/12/14	1	A
	IR-13-00015-NHT-050-A	Second layer of bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS	05/11/14	05/11/14	05/11/14	0	A
	IR-13-00015-NHT-051-A	Casting concrete for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS	05/12/14	05/13/14	05/14/14	1	A
	IR-13-00015-NHT-052-A	Casting concrete for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS	05/12/14	05/13/14	05/14/14	1	A
	IR-13-00015-NHT-053-A	Final formwork for one side shutter of concrete protection up to 60 cm high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS	05/12/14	05/13/14	05/14/14	1	A
	IR-13-00015-NHT-054-A	Casting concrete for one side shutter of concrete protection up to 60 cm high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS	05/12/14	05/13/14	05/14/14	1	A
	IR-13-00015-NHT-055-A	Final formwork for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS	05/13/14	05/14/14	05/15/14	1	A
	IR-13-00015-NHT-056-A	Final formwork for one side shutter of concrete protection up to 60 m high from Sta.A 0+566 to Sta.A 0+576 at LHS	05/13/14	05/14/14	05/15/14	1	A
	IR-13-00015-NHT-057-A	Cast concrete for one side shutter of concrete protection up to 60 m high from Sta.A 0+566 to Sta.A 0+576 at LHS	05/13/14	05/14/14	05/15/14	1	A

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	IR-13-00015-NHT-058-A	Cast concrete for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS	05/13/14	05/14/14	05/15/14	1	A
	IR-13-00015-NHT-059-A	Checking the levels and degree of compaction for the 5 th filling layer in the site area from Sta.A 0+240 to Sta.A 0+360 at RHS	05/14/14	05/14/14	05/15/14	1	A
	IR-13-00015-NHT-060-A	Final formwork for one side shutter of concrete protection up to 1.8 m high from Sta.A 0+484.00 to Sta.A 0+494.00 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS	05/15/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-061-A	Final formwork for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574.30 at LHS	05/15/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-062-A	Cast concrete for one side shutter of concrete protection up to 1.8 m high from Sta.A 0+484.00 to Sta.A 0+494.00 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS	05/15/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-063-A	Cast concrete for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574.30 at LHS	05/15/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-064-A	Final formwork for one side shutter for wall protection up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/17/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-065-A	Cast concrete for one side shutter for wall protection up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/17/14	05/17/14	05/18/14	1	A
	IR-13-00015-NHT-066-A	Excavation and leveling under one side shutter for wall protection from Sta.A 0+614 to Sta.A 0+684 at LHS	05/18/14	05/18/14	05/19/14	1	A
	IR-13-00015-NHT-067-A	Final form work for one side shutter of wall protection up to 1.2 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS and up to 0.6 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/18/14	05/18/14	05/19/14	1	A
	IR-13-00015-NHT-068-A	Cast concrete for one side shutter of wall protection up to 1.2 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 at LHS and up to 0.6 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/18/14	05/18/14	05/19/14	1	A
	IR-13-00015-NHT-069-A	Final formwork for one side shutter of wall protection up to 1.8 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 3 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS,up to 1.2 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/18/14	05/19/14	05/20/14	1	A
	IR-13-00015-NHT-070-A	Cast concrete for one side shutter of wall protection up to 1.8 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS, up to 3 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS,up to 1.2 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/18/14	05/19/14	05/20/14	1	A
	IR-13-00015-NHT-071-A	First layer of Bitumen protective coat for internal face of retaining wall from Sta.A 0+125 to Sta.A 0+205 at RHS	05/18/14	05/19/14	05/20/14	1	A

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	IR-13-00015-NHT-072-A	Start excavation work for Box Culvert and Retaining Wall (Box Culvert) at Sta.A 0+590.50, (Retaining Wall) from Sta.A0+570 to Sta.A 0+595 at RHS and from Sta.A 0+574.1 to Sta.A 0+614 at LHS	05/19/14	05/20/14	05/21/14	1	C
	IR-13-00015-NHT-072-B	Start excavation work for Box Culvert and Retaining Wall (Box Culvert) at Sta.A 0+590.50, (Retaining Wall) from Sta.A0+570 to Sta.A 0+595 at RHS and from Sta.A 0+574.1 to Sta.A 0+614 at LHS	06/01/14	06/01/14	06/02/14	1	A
	IR-13-00015-NHT-073-A	Final formwork for one side shutter for stone wall protection : up to 3.6 high from Sta.A 0+484 to Sta.A 0+494 at LHS and up to 1.8 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/20/14	05/20/14	05/21/14	1	A
	IR-13-00015-NHT-074-A	Cast concrete for one side shutter for stone wall protection : up to 3.6 m high from Sta.A 0+484 to Sta.A 0+494 at LHS and up to 1.8 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS	05/20/14	05/20/14	05/21/14	1	A
	IR-13-00015-NHT-075-A	Final formwork for one side shutter for stone wall protection : up to 60 cm high from Sta.A 0+519 to Sta.A 0+524 at LHS,up to 4.00 m high from Sta.A 0+484 to Sta.A 0+494 at LHS, up to 2.40 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS	05/20/14	05/21/14	05/21/14	0	A
	IR-13-00015-NHT-076-A	Cast concrete for one side shutter for stone wall protection : up to 60 cm high from Sta.A 0+519 to Sta.A 0+524 at LHS,up to 4.00 m high from Sta.A 0+484 to Sta.A 0+494 at LHS, up to 2.40 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS	05/20/14	05/21/14	05/21/14	0	A
	IR-13-00015-NHT-077-A	Second layer of Bitumen coat protective for internal face of Retaining Wall from Sta.A 0+125 to Sta.A 0+205 at RHS	05/20/14	05/20/14	05/21/14	1	A
	IR-13-00015-NHT-078-A	Start Backfilling for internal face of Retaining Wall from Sta.A 0+125 to Sta.A 0+205 at RHS	05/20/14	05/21/14	05/22/14	1	C
	IR-13-00015-NHT-078-B	Start Backfilling for internal face of Retaining Wall from Sta.A 0+125 to Sta.A 0+205 at RHS	05/24/14	05/25/14	05/25/14	0	A
	IR-13-00015-NHT-079-A	Reinforcement steel for one side shutter of stone wall protection From Sta.A 0+614 to Sta.A 0+674 at LHS	05/21/14	05/21/14	05/22/14	1	C
	IR-13-00015-NHT-079-B	Reinforcement steel for one side shutter of stone wall protection From Sta.A 0+614 to Sta.A 0+674 at LHS	05/22/14	05/22/14	05/22/14	0	A
	IR-13-00015-NHT-080-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS ,up to 1.2 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/22/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-081-A	Cast concrete for one side shutter of stone wall protection up to 60 cm from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS &Up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS	05/22/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-082-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS	05/22/14	05/24/14	05/25/14	1	A

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	IR-13-00015-NHT-083-A	Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS	05/22/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-084-A	Alignment of water pipe line from Sta.D 0+000 to Sta.D 0+512	05/24/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-085-A	Alignment of water pipe line from Sta.A 3+850 to Sta.A 4+200	05/26/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-086-A	Start excavation for concrete support under water pipeline from Sta.D 0+000 to Sta.D 0+512	05/24/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-087-A	Start construct stone wall from Sta.A 0+560 to Sta.A 0+580 at RHS	05/24/14	05/24/14	05/25/14	1	A
	IR-13-00015-NHT-088-A	Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS	05/24/14	05/25/14	05/25/14	0	A
	IR-13-00015-NHT-089-A	Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS	05/24/14	05/25/14	05/25/14	0	A
	IR-13-00015-NHT-090-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 m high from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS	05/24/14	05/25/14	05/25/14	0	A
	IR-13-00015-NHT-091-A	Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 m high from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS	05/24/14	05/25/14	05/25/14	0	A
	IR-13-00015-NHT-092-A	Start Trench excavation from Sta.A 3+850 to Sta.A 4+150	05/25/14	05/26/14	05/27/14	1	A
	IR-13-00015-NHT-093-A	Excavation and leveling foundation of one side shutter for stone wall protection from Sta.A 0+700 to Sta.A 0+772.5 at LHS	05/25/14	05/25/14	05/26/14	1	C
	IR-13-00015-NHT-093-B	Excavation and leveling foundation of one side shutter for stone wall protection from Sta.A 0+700 to Sta.A 0+772.5 at LHS	05/27/14	05/28/14	05/28/14	0	A
	IR-13-00015-NHT-094-A	Cast blinding concrete under concrete support for water pipeline from Sta.D 0+000 to Sta.D 0+512	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-095-A	First layer of backfilling for internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-096-A	Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS,up to2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS	05/25/14	05/26/14	05/26/14	0	A

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	IR-13-00015-NHT-097-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-098-A	Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS, up to 60 cm from Sta.A 0+674 to Sta.A 0+684 at LHS	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-099-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS, up to 60 cm high from Sta.A 0+674 to Sta.A 0+684 at LHS	05/25/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-100-A	Reinforcement steel for stone wall protection from Sta.A 0+674 to Sta.A 0+684 at LHS	05/26/14	05/26/14	05/26/14	0	A
	IR-13-00015-NHT-101-A	Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 2.4 m from Sta.A 0+534 to Sta.A 0+544 and form Sta.A 0+554to Sta.A 0+564 at LHS, up to 3 m from Sta.A 0+514 to Sta.A 0+524 at LHS	05/27/14	05/27/14	05/28/14	1	A
	IR-13-00015-NHT-102-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS ,up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/27/14	05/27/14	05/28/14	1	A
	IR-13-00015-NHT-103-A	Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS	05/27/14	05/27/14	05/28/14	1	A
	IR-13-00015-NHT-104-A	Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS,up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS	05/27/14	05/27/14	05/28/14	1	A
	IR-13-00015-NHT-105-A	Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 ,up to 3.0 m high form Sta.A 0+534 to Sta.A 0+544 and form Sta.A 0+554 to Sta.A 0+564 at LHS,up to 3.60 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/27/14	05/28/14	05/29/14	1	A
	IR-13-00015-NHT-106-A	Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 ,up to 3.0 m high form Sta.A 0+534 to Sta.A 0+544 and form Sta.A 0+554 to Sta.A 0+564 at LHS,up to 3.60 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/27/14	05/28/14	05/29/14	1	A
	IR-13-00015-NHT-107-A	Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+674 to Sta.A 0+684 at LHS	05/27/14	05/28/14	05/29/14	1	A
	IR-13-00015-NHT-108-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+674 to Sta.A 0+684 at LHS	05/27/14	05/28/14	05/29/14	1	A

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	IR-13-00015-NHT-109-A	Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+702 .5 to Sta.A 0+717 at LHS	05/27/14	05/28/14	05/29/14	1	A
	IR-13-00015-NHT-110-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS	05/29/14	05/31/14	06/01/14	1	A
	IR-13-00015-NHT-111-A	Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS	05/29/14	05/31/14	06/01/14	1	A
	IR-13-00015-NHT-112-A	Final formwork for one side shutter of stone wall protection up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/29/14	05/31/14	06/01/14	1	A
	IR-13-00015-NHT-113-A	Cast concrete for one side shutter of stone wall protection up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/29/14	05/31/14	06/01/14	1	A
	IR-13-00015-NHT-114-A	Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+717 to Sta.A 0+772.5 at LHS	05/31/14	06/01/14	06/02/14	1	C
	IR-13-00015-NHT-114-B	Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+717 to Sta.A 0+772.5 at LHS	06/03/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-115-A	Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS	05/31/14	06/01/14	06/01/14	0	A
	IR-13-00015-NHT-116-A	Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS	05/31/14	06/01/14	06/01/14	0	A
	IR-13-00015-NHT-117-A	Final formwork for one side shutter of stone wall protection up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/31/14	06/01/14	06/01/14	0	A
	IR-13-00015-NHT-118-A	Cast concrete for one side shutter of stone wall protection up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS	05/31/14	06/01/14	06/01/14	0	A
	IR-13-00015-NHT-119-A	Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654, from Sta.A 0+664 to Sta.A 0+674 at LHS,up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS	06/01/14	06/02/14	06/02/14	0	A
	IR-13-00015-NHT-120-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654, from Sta.A 0+664 to Sta.A 0+674 at LHS,up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS	06/01/14	06/02/14	06/02/14	0	A
	IR-13-00015-NHT-121-A	Final formwork for one side shutter of stone wall protection up to 1.2 m from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS	06/02/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-122-A	Cast concrete for one side shutter of stone wall protection up to 1.2 m from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS	06/02/14	06/03/14	06/04/14	1	A

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TASK ORDER #15, Nahaleen Main Pipeline Project
Inspection Request Log

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Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	Date Inspection Required	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00015-NHT-123-A	Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+714 to Sta.A 0+724 & from Sta.A 0+724 to Sta.A 0+734 at LHS	06/02/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-124-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+714 to Sta.A 0+724 & from Sta.A 0+724 to Sta.A 0+734 at LHS	06/02/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-125-A	Start excavation for Box Culvert at Sta.A 950	06/02/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-126-A	Start Construct stone wall from Sta.A 1+220 to Sta.A 1+320 at RHS	06/03/14	06/04/14	06/04/14	0	A
	IR-13-00015-NHT-127-A	Final formwork for one side shutter of stone wall protection up to 60 cm from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 To Sta.A 0+774 at LHS	06/03/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-128-A	Cast concrete for one side shutter of stone wall protection up to 60 cm from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 To Sta.A 0+774 at LHS	06/03/14	06/03/14	06/04/14	1	A
	IR-13-00015-NHT-129-A	First layer of base course under foundation of Box Culvert at Sta.A 0+590	06/03/14	06/04/14	06/05/14	1	A
	IR-13-00015-NHT-130-A	Second layer of backfilling for internal face of retaining wall from Sta.A 0+160 to Sta.A 0+205	06/03/14	06/04/14	06/05/14	1	A
	IR-13-00015-NHT-131-A	Final level for excavation of Box Culvert and retaining wall at Sta.A 0+590	06/03/14	06/04/14	06/05/14	1	A
	IR-13-00015-NHT-132-A	Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714, up to 2.4 m from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 & from Sta.A 0+764 to Sta.A 0+774 at LHS	06/03/14	06/04/14	06/05/14	1	A
	IR-13-00015-NHT-133-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714, up to 2.4 m from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 & from Sta.A 0+764 to Sta.A 0+774 at LHS	06/03/14	06/04/14	06/05/14	1	A
	IR-13-00015-NHT-134-A	Start excavation and widening work for road from Sta.A 3+600 to Sta.A 3+800 at RHS	06/04/14	06/05/14	06/05/14	0	A
	IR-13-00015-NHT-135-A	Second layer of base course under foundation of Box Culvert and retaining wall At Sta.A 0+590	06/04/14	06/07/14	06/07/14	0	A
	IR-13-00015-NHT-136-A	Welder qualification test T.O.16	06/04/14	06/07/14	06/08/14	1	A
	IR-13-00015-NHT-137-A	Workshop Welder qualification test T.O.16	06/04/14	06/18/14	06/19/14	1	A
	IR-13-00015-NHT-138-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS	06/05/14	06/07/14	06/07/14	0	A
	IR-13-00015-NHT-139-A	Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS	06/05/14	06/07/14	06/07/14	0	A
	IR-13-00015-NHT-140-A	Final formwork for one side shutter of stone wall protection Up to 3.6 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS	06/05/14	06/05/14	06/05/14	0	A

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	IR-13-00015-NHT-141-A	Cast concrete for one side shutter of stone wall protection Up to 3.6 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS	06/05/14	06/05/14	06/05/14	0	A
	IR-13-00015-NHT-142-A	Start excavation of road from Sta.A 3+850 to Sta.A 4+000	06/05/14	06/07/14	06/07/14	0	A
	IR-13-00015-NHT-143-A	Cast blinding concrete- under Box Culvert at Sta.A 0+590 , under retaining wall from Sta.A 0+574 to Sta.A 0+614 & from Sta.A 0+585 to Sta.A 0+595 at LHS	06/07/14	06/07/14	06/07/14	0	A
	IR-13-00015-NHT-144-A	Excavation level under Box Culvert and adjacent Retaining Wall at Sta.A 0+951.60	06/07/14	06/08/14	06/09/14	1	A
	IR-13-00015-NHT-145-A	Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS	06/07/14	06/08/14	06/09/14	1	A
	IR-13-00015-NHT-146-A	Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS	06/07/14	06/08/14	06/09/14	1	A
	IR-13-00015-NHT-147-A	12 inch pipe - METCO Storage Yard	06/08/14	06/09/14	06/12/14	3	C
	IR-13-00015-NHT-148-A	Third layer for Backfilling of internal face of Retaining Wall from Sta.A 0+160 to Sta.A 0+205 at RHS	06/09/14	06/09/14	06/10/14	1	A
	IR-13-00015-NHT-149-A	(536.80) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated, (44.00) piece of 12 inch shrinkable sheet with (CPS)-Nahaleen Storage Yard	06/09/14	06/09/14	06/10/14	1	A
	IR-13-00015-NHT-150-A	Final formwork for one side shutter of Stone Wall protection up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS	06/09/14	06/09/14	06/10/14	1	A
	IR-13-00015-NHT-151-A	Cast concrete for one side shutter of Stone Wall protection up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS	06/09/14	06/09/14	06/10/14	1	A
	IR-13-00015-NHT-152-A	Steel Reinforcement for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+590,Retaining Wall from Sta.A 0+574 to Sta.A 0+614 at LHS	06/09/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-153-A	Cast concrete for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+590, Retaining Wall from Sta.A 0+574 to Sta.A 0+614 at LHS, from Sta.A 0+585 to Sta.A 0+595 at RHS	06/09/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-154-A	Start excavation and leveling for Sub grade from Sta.A 3+850 to Sta.A 5+700 at RHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-155-A	Start digging 2 inch of water Trench from Sta.A 2+260 to Sta.A 3+200	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-156-A	First layer for Base Course under foundation of Box Culvert & Retaining Wall Box Culvert at Sta.A 0+951.60,Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-157-A	Start constructing of Stone Wall from Sta.A 1+020 to Sta.A 1+080 at RHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-158-A	Second layer of Base Course under foundation of Box Culvert & Retaining Wall Box Culvert at Sta.A 0+951.60, Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS	06/10/14	06/10/14	06/11/14	1	A

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	IR-13-00015-NHT-159-A	Final formwork for one side shutter of Stone Wall protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-160-A	Cast concrete for one side shutter of Stone Wall protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-161-A	Cast blinding concrete under foundation of Box Culvert & Retaining Wall Box Culvert at Sta.A 0+951.60,Retaining Wall from Sta.A 0+930 to Sta. A0+970 at RHS	06/10/14	06/10/14	06/11/14	1	A
	IR-13-00015-NHT-162-A	Fourth layer of Backfilling for the internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS	06/11/14	06/14/14	06/15/14	1	A
	IR-13-00015-NHT-163-A	Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+734 to Sta.A 0+744 and up to 1.2 m from Sta.A 0+714 to Sta.A 0+717 at LHS	06/12/14	06/12/14	06/14/14	2	A
	IR-13-00015-NHT-164-A	Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+734 to Sta.A 0+744 and up to 1.2 m from Sta.A 0+714 to Sta.A 0+717 at LHS	06/12/14	06/12/14	06/14/14	2	A
	IR-13-00015-NHT-165-A	Stone Wall from Sta.A 1+220 to Sta.A 1+320 at RHS	06/12/14	06/12/14	06/15/14	3	D
	IR-13-00015-NHT-166-A	Sub grade for widening road from Sta.A 3+920 to Sta.A 4+050 at RHS	06/12/14	06/12/14	06/14/14	2	A
	IR-13-00015-NHT-167-A	First layer of Base Course for widening from Sta.A 3+920 to Sta.A 4+050 at RHS	06/12/14	06/14/14	06/14/14	0	A
	IR-13-00015-NHT-168-A	Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 and up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS, up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS	06/12/14	06/14/14	06/15/14	1	A
	IR-13-00015-NHT-169-A	Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 and up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS, up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS	06/12/14	06/14/14	06/15/14	1	A
	IR-13-00015-NHT-170-A	Reinforcement steel for wall of Box Culvert at Sta.A 0+591.6	06/12/14	06/14/14	06/16/14	2	A
	IR-13-00015-NHT-171-A	Fifth layer of Backfill the internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS	06/12/14	06/14/14	06/15/14	1	A
	IR-13-00015-NHT-172-A	Formwork of internal face for stem of retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS	05/14/14	06/15/14	06/16/14	1	A
	IR-13-00015-NHT-173-A	Final formwork for wall for Box Culvert at Sta.A 0+591.60	05/14/14	06/15/14	06/16/14	1	A
	IR-13-00015-NHT-174-A	Cast concrete for wall of Box Culvert At Sta.A 0+591.60	06/14/14	06/15/14	06/16/14	1	A
	IR-13-00015-NHT-175-A	Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS ,up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS	06/14/14	06/15/14	06/16/14	1	A
	IR-13-00015-NHT-176-A	Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS ,up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS	06/14/14	06/15/14	06/16/14	1	A
	IR-13-00015-NHT-177-A	Second layer of Base Course for widening road from Sta.A 3+930 to Sta.A 4+050 at RHS	06/14/14	06/15/14	06/16/14	1	70 C

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	IR-13-00015-NHT-178-A	Start construct Stone Wall from Sta.A 0+980 to Sta.A 1+080 at LHS	06/14/14	06/15/14	06/17/14	2	C
	IR-13-00015-NHT-179-A	Start excavation of Box Culvert at Sta.A 1+350	06/14/14	06/15/14	06/16/14	1	C
	IR-13-00015-NHT-180-A	Reinforcement Steel for foundation Box Culvert at Sta.A 0+950 & Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS	06/15/14	06/14/14	06/17/14	3	A
	IR-13-00015-NHT-181-A	Final formwork for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+950 & Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS	06/15/14	06/16/14	06/17/14	1	A
	IR-13-00015-NHT-182-A	Cast concrete for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+950 & Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS	06/15/14	06/16/14	06/17/14	1	A
	IR-13-00015-NHT-183-A	Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS,up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS	06/15/14	06/16/14	06/17/14	1	A
	IR-13-00015-NHT-184-A	Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS,up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS	06/15/14	06/16/14	06/17/14	1	A
	IR-13-00015-NHT-185-A	Sixth layer of Backfilling for the internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS	06/15/14	06/16/14	06/17/14	1	A
	IR-13-00015-NHT-186-A	Final formwork for one side shutter stone wall protection : up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS and up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS	06/16/14	06/17/14	06/18/14	1	A
	IR-13-00015-NHT-187-A	Cast concrete for one side shutter stone wall protection : up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS and up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS	06/16/14	06/17/14	06/18/14	1	A
	IR-13-00015-NHT-188-A	Start digging of trench from Sta.A 3+600 to Sta.A 3+850	06/16/14	06/17/14	06/18/14	1	A
	IR-13-00015-NHT-189-A	Reinforcement steel for stem of retaining wall from Sta.A 0+574 to Sta.A 0+614	06/17/14	06/17/14	06/18/14	1	A
	IR-13-00015-NHT-190-A	Start excavation of sub grade of road from Sta.A 3+100 to Sta.A 2+400	06/17/14	06/17/14	06/18/14	1	A
	IR-13-00015-NHT-191-A	Reinforcement steel for roof of Box Culvert at Sta.A 0+591.60	06/17/14	06/18/14	06/19/14	1	A
	IR-13-00015-NHT-192-A	Cast concrete for roof of Box Culvert at Sta.A 0+591.60	06/17/14	06/18/14	06/19/14	1	A
	IR-13-00015-NHT-193-A	Final formwork for one side shutter of stone wall protection up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS,up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS	06/17/14	06/18/14	06/19/14	1	A
	IR-13-00015-NHT-194-A	Cast concrete for one side shutter of stone wall protection up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS,up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS	06/17/14	06/18/14	06/19/14	1	A
	IR-13-00015-NHT-195-A	First layer of Base Course for widening road from Sta.A 4+120 to Sta.A 4+250 at RHS	06/19/14	06/19/14	06/19/14	0	A
	IR-13-00015-NHT-196-A	Sub grade of road from Sta.A 2+900 to Sta.A 3+100	06/19/14	06/21/14	06/22/14	1	C
	IR-13-00015-NHT-197-A	Seventh layer for backfilling of internal face of retaining wall from Sta.A 0+131 to Sta.A 0+205	06/19/14	06/21/14	06/22/14	1	A

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	IR-13-00015-NHT-198-A	Reinforcement Steel for wall of Box Culvert at Sta.0+951-Segment A	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-199-A	Reinforcement Steel of Retaining Wall from Sta.A 0+930 to Sta.A 0+940 at RHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-200-A	Final formwork for Retaining Wall from Sta.A 0+600 to Sta.A 0+614 at LHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-201-A	Cast concrete for Retaining Wall from Sta.A 0+600 to Sta.A 0+614 at LHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-202-A	Final formwork for one side shutter of Stone Wall protection up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-203-A	Cast concrete for one side shutter of Stone Wall protection up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-204-A	Cast blinding concrete for Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at LHS	06/22/14	06/22/14	06/23/14	1	A
	IR-13-00015-NHT-205-A	Reinforment steel for Retaining Wall from Sta.A 0+960 to Sta.A 0+970 at RHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-206-A	Final from work for Retaining Wall from Sta.A 0+574 to Sta.A 0+600 at LHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-207-A	Cast concrete work for Retaining Wall from Sta.A 0+574 to Sta.A 0+600 at LHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-208-A	Final formwork for Retaining Wall From Sta.A 0+960 to Sta.A 0+970 at RHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-209-A	Cast concrete for Retaining Wall From Sta.A 0+960 to Sta.A 0+970 at RHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-210-A	Final formwork for Stem of Retaining Wall from Sta.A 0+930 to Sta.A 0+940 at RHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-211-A	Cast concrete for Stem of Retaining Wall from Sta.A 0+930 to Sta.A 0+940 at RHS	06/22/14	6/23/2014	6/24/2014	1	A
	IR-13-00015-NHT-212-A	Sub grade for widening road From Sta.A 4+380 to Sta.A 4+250 at RHS	06/23/14	06/23/14	6/24/2014	1	C
	IR-13-00015-NHT-213-A	Final formwork for Stone Wall Protection up to 1.2 m from Sta.A 0+796 to Sta.A 0+806 at LHS	06/23/14	06/23/14	6/24/2014	1	A
	IR-13-00015-NHT-214-A	Cast concrete for Stone Wall Protection up to 1.2 m from Sta.A 0+796 to Sta.A 0+806 at LHS	06/23/14	06/23/14	6/24/2014	1	A
	IR-13-00015-NHT-215-A	Final form work for retaining wall from Sta.A 0+585 to Sta.A 0+595 at RHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-216-A	Cast concrete for retaining wall from Sta.A 0+585 to Sta.A 0+595 at RHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-217-A	Reinforcement Steel for Retaining Wall from Sta.A 0+585 to Sta.A 0+595 at RHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-218-A	Reinforcement Steel for Stone Wall Protection from Sta.A 0+772.5 to Sta.A 0+870 at LHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-219-A	Final formwork for Stone Wall Protection up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806 and up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS	06/23/04	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-220-A	Cast concrete for Stone Wall Protection up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806 and up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-221-A	Eight layer for Backfilling of internal face of Retaining Wall From Sta.A 0+131 to Sta.A 0+205 at RHS	06/23/14	06/24/14	6/25/2014	1	A
	IR-13-00015-NHT-222-A	Ninth layer for Backfilling of internal face of Retaining Wall From Sta.A 0+125 to Sta.A 0+164 at RHS	06/24/14	06/25/14	6/26/2014	1	A
	IR-13-00015-NHT-223-A	Sub grade layer for road widening From Sta.A 3+740 to Sta.A 3+830 at RHS	06/24/14	06/25/14	6/26/2014	1	A
	IR-13-00015-NHT-224-A	Reinforcement steel for stem of retaining wall From Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS	06/25/14	06/25/14	6/26/2014	1	A

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Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	Date Inspection Required	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	IR-13-00015-NHT-225-A	Reinforcement steel and final from work for roof slab Box Culvert at Sta.A0+950	06/26/14	06/26/14	6/29/2014	3	A
	IR-13-00015-NHT-226-A	Cast concrete for roof slab of Box Culvert at Sta.A 0+950	06/26/14	06/26/14	6/29/2014	3	A
	IR-13-00015-NHT-227-A	Cast blinding concrete under foundation of retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS	06/26/14	06/26/14	6/29/2014	3	A
	IR-13-00015-NHT-228-A	Reinforcement steel and final form work for foundation of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS	06/26/14	06/28/14	6/29/2014	1	A
	IR-13-00015-NHT-229-A	Cast concrete for foundation of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS	06/26/14	06/28/14	6/29/2014	1	A
	IR-13-00015-NHT-230-A	Final formwork for stone wall protection up to 2.40 m high from Sta.A0+806 to Sta.A0+826 , up to 60 cm high from Sta.A0+836 to Sta.A0+846 , from Sta.A0+856 to Sta.A0+868 at LHS	06/26/14	06/28/14	6/29/2014	1	A
	IR-13-00015-NHT-231-A	Cast concrete for stone wall protection up to 2.40 m high from Sta.A 0+806 to Sta.A 0+826 , up to 60 cm high from Sta.A 0+836 to Sta.A 0+846 , from Sta.A 0+856 to Sta.A 0+868 at LHS	06/26/14	06/28/14	6/29/2014	1	A
	IR-13-00015-NHT-232-A	Reinforcement steel for Stone Wall Protection from Sta.A 0+870 to Sta.A 0+880	06/30/14	06/30/14		PE	
	IR-13-00015-NHT-233-A	Final formwork for Stem of Retaining Wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS	06/30/14	06/30/14		PE	
	IR-13-00015-NHT-234-A	Cast concrete for Stem of Retaining Wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS	06/30/14	06/30/14		PE	
	IR-13-00015-NHT-235-A	Final formwork for Stone Wall Protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS	06/30/14	06/30/14		PE	
	IR-13-00015-NHT-236-A	Cast concrete for Stone Wall Protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS	06/30/14	06/30/14		PE	

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

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Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00015-NHT-001-A	Schedule for Pre Construction Submittals & Mobilization	NHT	P	11/10/13	12/10/13	11/20/13	10	E
	SUB-13-00015-NHT-002-A	Bank Guarantee	NHT	P	11/10/13	12/10/13	11/19/13	9	E
	SUB-13-00015-NHT-003-A	CMC field office location and layout-Primary Office Husan	NHT	P	11/13/13	12/13/13	11/21/13	8	C
	SUB-13-00015-NHT-003-B	CMC field office location and layout-Primary Office Husan	NHT	P	11/27/13	12/27/13	12/01/13	4	B
	SUB-13-00015-NHT-004-A	Field Office Furniture and Equipment Plan	NHT	P	11/13/13	12/13/13	11/24/13	11	B
	SUB-13-00015-NHT-005-A	Scheduling Qualification Submittal	NHT	P	11/17/13	12/17/13	11/20/13	3	A
	SUB-13-00015-NHT-006-A	60-Day Plan of Operation	NHT	P	11/17/13	12/17/13	12/01/13	14	B
	SUB-13-00015-NHT-007-A	Project Overview Bar Chart and Master Plan	NHT	P	11/17/13	12/17/13	12/01/13	14	B
	SUB-13-00015-NHT-008-A	Submittal Schedule	NHT	P	11/17/13	12/17/13	12/02/13	15	C
	SUB-13-00015-NHT-008-B	Submittal Schedule	NHT	P	12/29/13	01/28/14	01/07/14	9	B
	SUB-13-00015-NHT-009-A	Safety Plan	NHT	P	11/19/13	12/19/13	12/01/13	12	C
	SUB-13-00015-NHT-009-B	Safety Plan	NHT	P	12/27/13	01/26/14	01/09/14	13	B
	SUB-13-00015-NHT-010-A	Testing Labs	NHT	P	11/20/13	12/20/13	11/24/13	4	B
	SUB-13-00015-NHT-011-A	Contractors all Risk, General Liability Insurance & Workers Compensation Insurance	NHT	P	11/24/13	12/24/13	11/25/13	1	E
	SUB-13-00015-NHT-012-A	Coordination with Local Authorities Plan and Lists of Permits and Licenses	NHT	P	11/26/13	12/26/13	12/01/13	5	C
	SUB-13-00015-NHT-012-B	Coordination with Local Authorities Plan and Lists of Permits and Licenses	NHT	P	12/02/13	01/01/14	12/03/13	1	B
	SUB-13-00015-NHT-013-A	Prime Coat Emulsion -Pazkar Ltd.-item No. 3.01	NHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00015-NHT-014-A	Tack Coat Emulsion -Pazkar Ltd.-item No. 3.02	NHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00015-NHT-015-A	Asphalt Mix Design -Wearing Asphalt 3/4 inch-Al Tarifi Asphalt Plant -item No.3.03	NHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00015-NHT-016-A	Asphalt Mix Design -Binder Asphalt 1 inch-Al Tarifi Asphalt Plant -item No.3.05	NHT	M	11/28/13	12/28/13	12/09/13	11	C
	SUB-13-00015-NHT-016-B	Asphalt Mix Design -Binder Asphalt 1 inch-Al Tarifi Asphalt Plant -item No.3.05	NHT	M	02/02/14	03/04/14	02/04/14	2	B
	SUB-13-00015-NHT-017-A	Cat Eyes-Iriflix Ltd.-item No.5.03.b & c	NHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00015-NHT-018-A	High Performance Thermoplastic Road Markings- Prismo Road Markings Ltd. T/A Ennis-item No. 5.03-a	NHT	M	11/28/13	12/28/13	12/09/13	11	B
	SUB-13-00015-NHT-019-A	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-AVROT Industries Ltd.-item No. 2.1	NHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00015-NHT-019-B	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-AVROT Industries Ltd.-item No. 2.1	NHT	M	01/21/14	02/20/14	01/22/14	1	E
	SUB-13-00015-NHT-020-A	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-Borursan Mannesmann Co.-item No. 2.1	NHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00015-NHT-020-B	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-Borursan Mannesmann Co.-item No. 2.1	NHT	M	01/20/14	02/19/14	01/22/14	2	E
	SUB-13-00015-NHT-021-A	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm ,75 mm and 50 mm pipes-Middle East Tube Company Ltd.-item No. 2.1	NHT	M	11/28/13	12/28/13	12/03/13	5	C
	SUB-13-00015-NHT-021-B	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm and 100 mm pipes-Middle East Tube Company Ltd.-item No. 2.1	NHT	M	12/25/13	01/24/14	01/05/14	11	B
	SUB-13-00015-NHT-022-A	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm ,75 mm and 50 mm pipes-Future Iron Pipes (FIP)-item No. 2.1	NHT	M	11/28/13	12/28/13	12/03/13	5	C

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	SUB-13-00015-NHT-022-B	Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm ,75 mm and 50 mm pipes-Future Iron Pipes (FIP)-item No. 2.1	NHT	M	02/03/14	03/05/14	02/04/14	1	E
	SUB-13-00015-NHT-023-A	Contractors all Risk, General Liability Insurance Amendment (For Submittal No.:SUB-13-00015-NHT-011-A)	NHT	P	12/02/13	01/01/14	12/05/13	3	E
	SUB-13-00015-NHT-024-A	Field Offices Furniture and Equipment Plan Amendment (For Submittal No.: SUB-13-00015-NHT-004-A)	NHT	P	12/02/13	01/01/14	12/03/13	1	A
	SUB-13-00015-NHT-025-A	Construction Time Schedule and S-curve	NHT	P	12/03/13	01/02/14	12/31/13	28	C
	SUB-13-00015-NHT-025-B	Original CPM Construction Schedule	NHT	P	01/21/14	02/20/14	02/03/14	13	C
	SUB-13-00015-NHT-025-C	Original CPM Construction Schedule	NHT	P	03/05/14	04/04/14	03/24/14	19	A
	SUB-13-00015-NHT-026-A	Temporary and Permanent Signs Submittal	NHT	P	12/03/13	01/02/14	12/09/13	6	B
	SUB-13-00015-NHT-027-A	Concrete Mix Design-Al Abed Mixing Plant-Item 4.07.a,b,c	NHT	M	12/08/13	01/07/14	12/22/13	14	B
	SUB-13-00015-NHT-028-A	Source Comprehensive test for base course material-Al Taweel crusher- item 2.02.a,b,c	NHT	M	12/08/13	01/07/14	12/22/13	14	B
	SUB-13-00015-NHT-029-A	Subcontracting Plan	NHT	P	12/22/13	01/21/14	12/30/13	8	E
	SUB-13-00015-NHT-030-A	Dilapidation Survey	NHT	P	12/22/13	01/21/14	01/07/14	16	B
	SUB-13-00015-NHT-031-A	Risk Management Program	NHT	P	12/22/13	01/21/14	01/05/14	14	B
	SUB-13-00015-NHT-032-A	Branding Plan	NHT	P	12/25/13	01/24/14	01/07/14	13	E
	SUB-13-00015-NHT-033-A	Quality Control Program (QCP)	NHT	P	12/25/13	01/24/14	01/14/14	20	B
	SUB-13-00015-NHT-034-A	Gate Valve - Raphael Valves Industries- BOQ items 5.1.1, 5.1.2, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 5.7.1, 5.7.2, 5.7.3, 5.7.4, 5.9.1, 5.9.2, 5.9.3, 5.9.4, 5.10.1, 5.10.2, 5.11.1	NHT	M	12/25/13	01/24/14	01/06/14	12	C
	SUB-13-00015-NHT-034-B	Gate Valves- Raphael Valves Industries- TMS-BOQ items 5.1.1, 5.1.2, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 5.7.1, 5.7.2, 5.7.3, 5.7.4, 5.9.1, 5.9.2, 5.9.3, 5.10.1	NHT	M	01/20/14	02/19/14	01/26/14	6	B
	SUB-13-00015-NHT-035-A	Butterfly Valve - Vanessa Company- BOQ items 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.4.2	NHT	M	12/25/13	01/24/14	12/31/13	6	C
	SUB-13-00015-NHT-035-B	Butterfly Valve - Vanessa Company-PN 25 & 40- BOQ items 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.4.2	NHT	M	01/21/14	02/20/14	01/26/14	5	B
	SUB-13-00015-NHT-036-A	Key Personnel Plan	NHT	P	12/25/13	01/24/14	12/30/13	5	E
	SUB-13-00015-NHT-037-A	Curbstone Marking Paint - Tambour - BOQ item No. 4.12	NHT	M	12/25/13	01/24/14	01/06/14	12	B
	SUB-13-00015-NHT-038-A	Dismantling Joint -UNIJOINT-PM16-25-40	NHT	M	12/29/13	01/28/14	01/05/14	7	B
	SUB-13-00015-NHT-039-A	Combination Air Valves- Non slam PN 25 & 40. BOQ 5.3.1,5.3.2, 5.3.3,&5.3.4	NHT	M	12/29/13	01/28/14	01/06/14	8	C
	SUB-13-00015-NHT-039-B	Combination Air Valves- Non slam PN 25 & 40. BOQ 5.3.1,5.3.2, 5.3.3,&5.3.4	NHT	M	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00015-NHT-040-A	Combination Air Release Valves PN 16&25. BOQ 5.7.2, 5.7.3, & 5.7.4	NHT	M	12/29/13	01/28/14	01/06/14	8	C
	SUB-13-00015-NHT-040-B	Combination Air Release Valves PN 16&25. BOQ 5.7.2, 5.7.3, & 5.7.4	NHT	M	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00015-NHT-041-A	Combination Air Release Valves D-015_ PN 40. BOQ 5.7.1	NHT	M	12/29/13	01/28/14	01/06/14	8	B
	SUB-13-00015-NHT-042-A	Environmental Mitigation Plan	NHT	P	12/29/13	01/28/14	01/07/14	9	B
	SUB-13-00015-NHT-043-A	Security System	NHT	P	12/29/13	01/28/14	01/05/14	7	C
	SUB-13-00015-NHT-043-B	Security System	NHT	P	01/21/14	02/20/14	01/21/14	0	B
	SUB-13-00015-NHT-044-A	Method Statement	NHT	P	12/29/13	01/28/14	01/06/14	8	C

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	SUB-13-00015-NHT-044-B	Method Statement	NHT	P	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00015-NHT-045-A	Guardrail ESP4-N2-PRINS DOKKUM-SHT-item 5.05.a	NHT	M	12/30/13	01/29/14	01/06/14	7	A
	SUB-13-00015-NHT-046-A	Storm Drainage RC pipes -PCP Co-item 4.02	NHT	M	12/30/13	01/29/14	01/07/14	8	C
	SUB-13-00015-NHT-046-B	Storm Drainage RC pipes -PCP Co-item 4.02	NHT	M	01/14/14	02/13/14	01/15/14	1	B
	SUB-13-00015-NHT-047-A	Tyco Ball Valves 50 mm	NHT	M	12/30/13	01/29/14	01/09/14	10	B
	SUB-13-00015-NHT-048-A	Tyco Ball Valves 150 mm	NHT	M	12/30/13	01/29/14	01/09/14	10	C
	SUB-13-00015-NHT-048-B	Tyco Ball Valves 150 mm-item No. 5.2.1,5.2.2,5..2.3	NHT	M	01/14/14	02/13/14	01/15/14	1	B
	SUB-13-00015-NHT-049-A	Pre Cast Concrete Curbstone-Wolfman Co-item 4.12	NHT	M	12/30/13	01/29/14	01/06/14	7	A
	SUB-13-00015-NHT-050-A	Survey Plan- Segments A, B, C, D and E	NHT	P	01/05/14	02/04/14	01/08/14	3	C
	SUB-13-00015-NHT-050-B	Survey Plan- Segments A, B, C, D and E	NHT	P	01/20/14	02/19/14	01/21/14	1	B
	SUB-13-00015-NHT-051-A	Nahaleen Flanges_ ANSI ASME B 16.5 and DIN_ISO Flanges	NHT	M	01/05/14	02/04/14	01/09/14	4	C
	SUB-13-00015-NHT-051-B	Pipe Flanges- ISO/DIN Flanges	NHT	M	02/02/14	03/04/14	02/04/14	2	B
	SUB-13-00015-NHT-052-A	FIP Nahaleen_Fittings &heat shrinkable sheet	NHT	M	01/05/14	02/04/14	01/13/14	8	C
	SUB-13-00015-NHT-052-B	FIP Nahaleen_Fittings &heat shrinkable sheet	NHT	M	02/03/14	03/05/14	02/04/14	1	E
	SUB-13-00015-NHT-053-A	Traffic signs material_ Netivey Hamifratz/Top Safety _item 5.01	NHT	M	01/05/14	02/04/14	01/06/14	1	B
	SUB-13-00015-NHT-054-A	Proposed Storage Area and Dumping Site	NHT	P	01/09/14	02/08/14	01/12/14	3	C
	SUB-13-00015-NHT-054-B	Proposed Storage Area and Dumping Site	NHT	P	01/20/14	02/19/14	01/21/14	1	B
	SUB-13-00015-NHT-055-A	Avrot Pipe Fittings_up to 12 inch	NHT	M	01/21/14	02/20/14	01/23/14	2	C
	SUB-13-00015-NHT-055-B	Avrot Pipe Fittings_up to 12 inch	NHT	M	02/05/14	03/07/14	02/10/14	5	B
	SUB-13-00015-NHT-056-A	Gate Valve 50 mm PN 16- TRL- Raphael Valves Industry-item No. 5.9.4,5.10.2,5.11.1	NHT	M	01/20/14	02/19/14	01/26/14	6	B
	SUB-13-00015-NHT-057-A	Shop Drawings: Plan & Profile and Cross Section from Sta.0+000 to Sta.1+400 -Segment A	NHT	S	01/20/14	02/19/14	02/06/14	17	C
	SUB-13-00015-NHT-057-B	Shop Drawings: Plan & Profile and Cross Section from Sta.0+000 to Sta.1+400 -Segment A	NHT	S	02/10/14	03/12/14	02/22/14	12	B
	SUB-13-00015-NHT-058-A	Specific Safety Plan	NHT	P	01/21/14	02/20/14	01/29/14	8	C
	SUB-13-00015-NHT-058-B	Specific Safety Plan	NHT	P	02/05/14	03/07/14	02/06/14	1	B
	SUB-13-00015-NHT-059-A	Proposed Welders for welders qualification test - CVs	NHT	P	01/21/14	02/20/14	01/26/14	5	B
	SUB-13-00015-NHT-060-A	Welding Procedure for 3”-12”	NHT	P	01/23/14	02/22/14	01/26/14	3	C
	SUB-13-00015-NHT-060-B	Welding Procedure for 3”-12”	NHT	P	03/13/14	04/12/14	03/20/14	7	B
	SUB-13-00015-NHT-061-A	Shop Drawings: Road Works :Retaining Wall from Sta.0+129 to Sta.0+200 RHS-Segment A	NHT	S	01/23/14	02/22/14	02/06/14	14	B
	SUB-13-00015-NHT-062-A	Traffic Control Plan	NHT	P	01/23/14	02/22/14	02/10/14	18	B
	SUB-13-00015-NHT-063-A	Third party testing lab -Arc-Eyes	NHT	P	01/27/14	02/26/14	01/30/14	3	B
	SUB-13-00015-NHT-064-A	Strainer-Bermad_PN 40-item No. 5.6.4	NHT	M	01/27/14	02/26/14	01/29/14	2	B
	SUB-13-00015-NHT-065-A	Strainer-Bermad_PN 16&25- item No. 5.6.2,3 and 5.7.2,3,4	NHT	M	01/27/14	02/26/14	01/29/14	2	B
	SUB-13-00015-NHT-066-A	Public Relation Plan	NHT	P	01/27/14	02/26/14	02/03/14	7	E

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	SUB-13-00015-NHT-067-A	Concrete Job Mix Design -Al Etihad concrete ready mix plant -BOQ item No. 4.07	NHT	M	01/29/14	02/28/14	02/03/14	5	B
	SUB-13-00015-NHT-068-A	Shop Drawings: Formwork System for Retaining Work	NHT	S	01/29/14	02/28/14	02/04/14	6	B
	SUB-13-00015-NHT-069-A	Identification Tape for Water pipeline	NHT	M	01/29/14	02/28/14	02/04/14	6	B
	SUB-13-00015-NHT-070-A	Flanged Coupling Adaptor- UniJoint-item No. 5.2.1,2,3	NHT	M	02/02/14	03/04/14	02/04/14	2	D
	SUB-13-00015-NHT-070-B	Flanged Coupling Adaptor- UniJoint-item No. 5.2.1,2,3	NHT	M	03/26/14	04/25/14	03/26/14	0	E
	SUB-13-00015-NHT-071-A	Pressure Relief Valve- Bermad- 73Q&83Q - item No. 5.6.2 ,5.6.3 and 5.6.4	NHT	M	02/02/14	03/04/14	02/04/14	2	B
	SUB-13-00015-NHT-072-A	Shop Drawings: Plan & Profile and Typical Section from Sta.0+000 to Sta.0+515 -Segment D	NHT	S	02/02/14	03/04/14	02/06/14	4	C
	SUB-13-00015-NHT-072-B	Shop Drawings: Plan & Profile and Typical Section from Sta.0+000 to Sta.0+510 -Segment D	NHT	S	04/15/14	05/15/14	04/30/14	15	B
	SUB-13-00015-NHT-073-A	Second option for storm water and culvert concrete pipe -Al-khateeb factory-item No. 4.02	NHT	M	02/03/14	03/05/14	02/04/14	1	D
	SUB-13-00015-NHT-073-B	Second option for storm water and culvert concrete pipe -Al-khateeb factory-item No. 4.02	NHT	M	03/30/14	04/29/14	03/30/14	0	E
	SUB-13-00015-NHT-074-A	Elecometer 266 Holiday detector	NHT	M	02/03/14	03/05/14	02/04/14	1	E
	SUB-13-00015-NHT-075-A	Field Offices Furniture and Equipment Plan Amendment No. 02 (For Submittal No.: SUB-13-00015-NHT-004-A)	NHT	P	02/06/14	03/08/14	02/06/14	0	B
	SUB-13-00015-NHT-076-A	Reinforcement Steel Manufactures Data Sheets (Israeli & Turkey products)	NHT	M	02/09/14	03/11/14	02/11/14	2	B
	SUB-13-00015-NHT-077-A	Flow Control Valves PN 16&25- Bermad- item No. 5.7.2,3,4	NHT	M	02/09/14	03/11/14	02/17/14	8	B
	SUB-13-00015-NHT-078-A	Mill Certificate and testing reports for 8 inch steel pipe	NHT	M	02/09/14	03/11/14	02/13/14	4	A
	SUB-13-00015-NHT-079-A	Pipes Marking - 8" Steel pipes	NHT	M	02/09/14	03/11/14	02/16/14	7	B
	SUB-13-00015-NHT-080-A	Flow Control Valves PN 40- Bermad- Specification Ref: 15217: 2.1&2.2 and 15200, BOQ item No. 5.7.1	NHT	M	02/09/14	03/11/14	02/20/14	11	B
	SUB-13-00015-NHT-081-A	Pressure Reducing Valves- Bermad-PN 25- Specification Ref: 15217: 2.1&2.2 and 15200, BOQ items No. 5.6.2, 5.6.3 and 5.7.4	NHT	M	02/09/14	03/11/14	02/13/14	4	B
	SUB-13-00015-NHT-082-A	Pressure Reducing Valves PN 40- Bermad- Specification Ref: 15217: 2.1&2.2 and 15200, BOQ item No. 5.6.4	NHT	M	02/09/14	03/11/14	02/17/14	8	C
	SUB-13-00015-NHT-082-B	Pressure Reducing Valves PN 40- Bermad- Specification Ref: 15217: 2.1&2.2 and 15200, BOQ item No. 5.6.5	NHT	M	03/13/14	04/12/14	03/24/14	11	B
	SUB-13-00015-NHT-083-A	Concrete mix design of B35 - Al-Abed concrete ready mix plant -Item 4.07.a,b,c	NHT	M	02/11/14	03/13/14	02/16/14	5	B
	SUB-13-00015-NHT-084-A	Lab testing report for bedding materials (Somsom) for Al-Taweel crusher	NHT	M	02/11/14	03/13/14	02/16/14	5	B
	SUB-13-00015-NHT-085-A	Concrete Repairing Materials	NHT	M	02/12/14	03/14/14	02/18/14	6	B
	SUB-13-00015-NHT-086-A	Lab test report for Single size material for Al-Taweel crusher	NHT	M	02/12/14	03/14/14	02/16/14	4	B
	SUB-13-00015-NHT-087-A	Repairing and application of interior steel pipes cement lining	NHT	M	02/12/14	03/14/14	02/18/14	6	C
	SUB-13-00015-NHT-087-B	Repairing and application of interior steel pipes cement lining	NHT	M	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00015-NHT-088-A	Mill Certificate for 10 inch steel pipe	NHT	M	02/13/14	03/15/14	02/17/14	4	A
	SUB-13-00015-NHT-089-A	Method Statement of Asphalt Residues Recycle	NHT	P	02/13/14	03/15/14	02/16/14	3	A
	SUB-13-00015-NHT-090-A	Catch basin data sheet for PCP co.- BOQ item 4.06.a	NHT	M	02/16/14	03/18/14	02/25/14	9	B

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	SUB-13-00015-NHT-091-A	Bitumen protective coating for underground concrete (Fosroc)	NHT	M	02/16/14	03/18/14	02/18/14	2	B
	SUB-13-00015-NHT-092-A	Form release agent	NHT	M	02/16/14	03/18/14	02/18/14	2	B
	SUB-13-00015-NHT-093-A	Shop Drawings: Retaining Wall from Sta.0+477 to Sta.0+615 LHS	NHT	S	02/16/14	03/18/14	02/27/14	11	C
	SUB-13-00015-NHT-093-B	Shop Drawings: Retaining Wall from Sta.0+477 to Sta.0+615 LHS	NHT	S	03/09/14	04/08/14	03/12/14	3	B
	SUB-13-00015-NHT-094-A	Alternative Traffic Control Plan for Segment A from Sta. 0+080 to Sta. 1+400	NHT	P	02/16/14	03/18/14	02/22/14	6	B
	SUB-13-00015-NHT-095-A	Traffic Control Plan- Phase II- Water transmission pipeline and road widening	NHT	P	02/17/14	03/19/14	02/22/14	5	B
	SUB-13-00015-NHT-096-A	Heat Shrinkable sleeve Tape for steel pipes-BOQ item No. 2.1.1, 2.1.2,2.1.3,2.1.4 and 2.1.5	NHT	M	02/18/14	03/20/14	02/22/14	4	B
	SUB-13-00015-NHT-097-A	Manhole cover and frame (750mm clear opening)	NHT	M	02/18/14	03/20/14	02/24/14	6	B
	SUB-13-00015-NHT-098-A	Galvanized Malleable Iron Fittings up to 2”- Modgal	NHT	M	02/18/14	03/20/14	02/20/14	2	B
	SUB-13-00015-NHT-099-A	Branding Plan -Approved Flyers (Arabic & English)	NHT	P	02/19/14	03/21/14	02/20/14	1	E
	SUB-13-00015-NHT-100-A	3 inch Procedure Qualification Record (PQR)	NHT	P	02/20/14	03/22/14	02/24/14	4	B
	SUB-13-00015-NHT-101-A	Flange Gaskets_Klinger	NHT	M	02/20/14	03/22/14	02/24/14	4	C
	SUB-13-00015-NHT-101-B	Flange Gaskets_Klinger	NHT	M	03/09/14	04/08/14	03/09/14	0	C
	SUB-13-00015-NHT-101-C	Flange Gasket for PN 16 and PN 25 flanges for Sizes up to 12"	NHT	M	03/16/14	04/15/14	03/20/14	4	B
	SUB-13-00015-NHT-102-A	Water precast concrete manhole	NHT	M	02/20/14	03/22/14	02/27/14	7	C
	SUB-13-00015-NHT-102-B	Water precast concrete manhole	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-103-A	Second Option Bitumen protective coating for underground concrete (Fosroc)	NHT	M	02/20/14	03/22/14	02/22/14	2	B
	SUB-13-00015-NHT-104-A	Manhole cover and frame	NHT	M	02/22/14	03/24/14	03/05/14	11	C
	SUB-13-00015-NHT-104-B	Manhole cover and frame	NHT	M	04/30/14	05/30/14	05/12/14	12	B
	SUB-13-00015-NHT-105-A	Warning tape sample	NHT	M	02/23/14	03/25/14	02/27/14	4	A
	SUB-13-00015-NHT-106-A	Tie Rod, Rebar caps, Chamfers accessories and spacers Samples	NHT	M	02/23/14	03/25/14	02/27/14	4	B
	SUB-13-00015-NHT-107-A	Shop Drawings: Road Construction: Plan , Profile and Cross Section from Sta.3+850 to St.5+700	NHT	S	02/24/14	03/26/14	03/09/14	13	C
	SUB-13-00015-NHT-107-B	Shop Drawings: Road Construction: Plan and Typical Section from Sta.3+850 to St.5+700	NHT	S	03/11/14	04/10/14	03/17/14	6	B
	SUB-13-00015-NHT-108-A	Check Valve-ARI -BOQ item No. 5.4.1,5.4.2, 5.7.1, 5.7.2, 5.7.3, 5.7.4	NHT	M	02/27/14	03/29/14	03/03/14	4	B
	SUB-13-00015-NHT-109-A	Shop Drawing: Water : Plan, Profile and Typical Section from Sta.3+850 to Sta.5+700 - Segment A	NHT	S	03/03/14	04/02/14	03/11/14	8	C
	SUB-13-00015-NHT-109-B	Shop Drawing: Water : Plan, Profile and Typical Section from Sta.3+850 to Sta.5+700 - Segment A	NHT	S	03/16/14	04/15/14	03/27/14	11	B
	SUB-13-00015-NHT-110-A	Shop Drawing: Road : Plan, Profile and Cross Section from Sta.3+330 to Sta.3+850 - Segment A	NHT	S	03/03/14	04/02/14	03/09/14	6	C
	SUB-13-00015-NHT-110-B	Shop Drawing: Road : Plan, Profile and Cross Section from Sta.3+330 to Sta.3+850 - Segment A	NHT	S	03/19/14	04/18/14	03/25/14	6	B
	SUB-13-00015-NHT-111-A	Radiographic Testing Safety Plan	NHT	P	03/04/14	04/03/14	03/16/14	12	C
	SUB-13-00015-NHT-111-B	Radiographic Testing Safety Plan	NHT	P	03/24/14	04/23/14	03/31/14	7	B
	SUB-13-00015-NHT-112-A	6 inch and over Procedure Qualification Record (PQR)	NHT	P	03/05/14	04/04/14	03/09/14	4	C
	SUB-13-00015-NHT-112-B	6 inch and Over -Procedure Qualification Record (PQR) and Welding Procedure Specification (WPS)	NHT	P	03/12/14	04/11/14	03/20/14	8	B

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	SUB-13-00015-NHT-113-A	8-12 inch Procedure Qualification Record (PQR)	NHT	P	03/05/14	04/04/14	03/09/14	4	C
	SUB-13-00015-NHT-113-B	8-12 inch Procedure Qualification Record (PQR)	NHT	P	03/12/14	04/11/14	03/12/14	0	E
	SUB-13-00015-NHT-114-A	Drainage manhole –PCP item 4.03.1	NHT	M	03/09/14	04/08/14	03/12/14	3	B
	SUB-13-00015-NHT-115-A	Combination Air Release Valves PN 16 -Val-Matic	NHT	M	03/09/14	04/08/14	03/20/14	11	C
	SUB-13-00015-NHT-115-B	Combination Air Release Valves PN 16 -Val-Matic	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-116-A	Combination Air Release Valves PN 25 -Val-Matic	NHT	M	03/09/14	04/08/14	03/20/14	11	C
	SUB-13-00015-NHT-116-B	Combination Air Release Valves PN 25 -Val-Matic	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-117-A	Combination Air Release Valves PN 40 -Val-Matic	NHT	M	03/09/14	04/08/14	03/18/14	9	C
	SUB-13-00015-NHT-117-B	Combination Air Release Valves PN 40 -Val-Matic	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-118-A	Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN50	NHT	M	03/09/14	04/08/14	03/17/14	8	C
	SUB-13-00015-NHT-118-B	Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN50	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-119-A	Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN80	NHT	M	03/09/14	04/08/14	03/18/14	9	C
	SUB-13-00015-NHT-119-B	Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN80	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-120-A	Surge Check Combination Air Release Valves -Val-Matic-PN 40 -DN100	NHT	M	03/09/14	04/08/14	03/18/14	9	C
	SUB-13-00015-NHT-120-B	Surge Check Combination Air Release Valves -Val-Matic-PN 40 -DN100	NHT	M	04/30/14	05/30/14	05/04/14	4	E
	SUB-13-00015-NHT-121-A	Cost breakdown for lump sum items	NHT	P	3/9/2014	04/08/14	03/31/14	22	C
	SUB-13-00015-NHT-122-A	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405	NHT	M	03/13/14	04/12/14	03/20/14	7	C
	SUB-13-00015-NHT-122-B	Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405	NHT	M	03/24/14	04/23/14	03/27/14	3	B
	SUB-13-00015-NHT-123-A	Manufacturer "Bermad" sizing of Nahaleen Pressure Reducing Valve –As per CMC comments on Submittal No.: SUB-13-00015-NHT-081-A	NHT	M	03/13/14	04/12/14	03/27/14	14	B
	SUB-13-00015-NHT-124-A	Radiographic Testing (RT) Method Statement	NHT	P	03/16/14	04/15/14	03/20/14	4	B
	SUB-13-00015-NHT-126-A	Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot	NHT	M	03/16/14	04/15/14	03/20/14	4	C
	SUB-13-00015-NHT-126-B	Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot	NHT	M	04/03/14	05/03/14	04/08/14	5	B
	SUB-13-00015-NHT-127-A	Stockpile area for excavated material	NHT	P	03/17/14	04/16/14	03/27/14	10	B
	SUB-13-00015-NHT-128-A	Galvanized steel pipes_Pecker	NHT	M	03/19/14	04/18/14	03/24/14	5	B
	SUB-13-00015-NHT-129-A	Concrete trial mix and modified mix design for Al-Abed concrete ready mix plant	NHT	M	03/19/14	04/18/14	03/25/14	6	B
	SUB-13-00015-NHT-130-A	Concrete trial mix and modified mix design for Al-Etihad concrete ready mix plant	NHT	M	03/19/14	04/18/14	03/25/14	6	B
	SUB-13-00015-NHT-131-A	Strainer- ARI- OF-20- PN 16-BOQ items No. 4.7.2 & 4.7.3	NHT	M	03/22/14	04/21/14	03/24/14	2	B
	SUB-13-00015-NHT-132-A	Traffic Control Plan - Phase 1B- (Road and water main construction) Segment A from St. 0+000 to St. 1+450 (Amendment for SUB-13-00015-NHT-094-A)	NHT	P	03/23/14	04/22/14	03/25/14	2	B
	SUB-13-00015-NHT-133-A	Bolts, Nuts& washers-Factor- for Mechanical Chambers	NHT	M	03/24/14	04/23/14	03/27/14	3	C
	SUB-13-00015-NHT-133-B	Bolts, Nuts& washers-Factor- for Mechanical Chambers	NHT	M	03/31/14	04/30/14	04/08/14	8	C
	SUB-13-00015-NHT-133-C	Bolts, Nuts& washers-Factor- for Mechanical Chambers	NHT	M	04/30/14	05/30/14	05/05/14	5	B
	SUB-13-00015-NHT-134-A	Shop Drawing: Water : Plan, Profile and Typical Section from Sta.3+350 to Sta.3+850 - Segment A	NHT	S	03/24/14	04/23/14	04/01/14	8	B
	SUB-13-00015-NHT-135-A	Shop Drawing: Retaining Wall from Sta.0+640 to Sta.0+770 LHS	NHT	S	03/26/14	04/25/14	04/14/14	19	E
	SUB-13-00015-NHT-136-A	Welders Performance Qualification Certificates	NHT	P	03/29/14	04/28/14	03/31/14	2	B

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	SUB-13-00015-NHT-137-A	Concrete curing compound material	NHT	M	04/01/14	05/01/14	04/06/14	5	B
	SUB-13-00015-NHT-138-A	Shop Drawings: Plan ,Profile and Cross Section from Sta.0+000 to Sta.0+980 -Segment B	NHT	S	04/06/14	05/06/14	04/27/14	21	B
	SUB-13-00015-NHT-138-B	Shop Drawings: Plan ,Profile and Cross Section from Sta.0+000 to Sta.0+980 -Segment B - As per Site Memo No. : SM-13-00015-NHT-E-C-004	NHT	S	05/11/14	06/10/14	05/26/14	15	B
	SUB-13-00015-NHT-139-A	Updated Construction Schedule and S-curve -March 2014	NHT	SCH	04/07/14	05/07/14	04/21/14	14	B
	SUB-13-00015-NHT-140-A	Shop Drawings: Concrete Basement Wall	NHT	S	04/08/14	05/08/14	04/16/14	8	B
	SUB-13-00015-NHT-141-A	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	NHT	S	04/10/14	05/10/14	04/28/14	18	B
	SUB-13-00015-NHT-142-A	Shop Drawing: Retaining Wall from Sta.0+790 to Sta.0+835 LHS	NHT	S	04/13/14	05/13/14	04/22/14	9	E
	SUB-13-00015-NHT-143-A	Shop Drawing: Boundary/Retaining Walls From Sta.B0+471 To B0+493.6 LHS &From Sta.B0+506.35 To B0+522 LHS & From Sta.B0+523 To B0+529 RHS	NHT	S	04/22/14	05/22/14	04/24/14	2	B
	SUB-13-00015-NHT-144-A	Shop Drawing: Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS	NHT	S	04/22/14	05/22/14	04/29/14	7	B
	SUB-13-00015-NHT-145-A	Electro-Magnetic water meter-Siemens-BOQ items No. 5.4.1,5.4.2 ,5.7.1,5.7.2 and 5.7.3	NHT	M	04/22/14	05/22/14	05/07/14	15	C
	SUB-13-00015-NHT-145-B	Electro-Magnetic water meter-Siemens-BOQ items No. 5.4.1,5.4.2 ,5.7.1,5.7.2 and 5.7.3	NHT	M	06/09/14	07/09/14	06/10/14	1	B
	SUB-13-00015-NHT-146-A	Shop Drawings: Water : Plan ,Profile and Typical Section from Sta.0+100 to Sta.1+400 - Segment A	NHT	S	04/24/14	05/24/14	05/05/14	11	C
	SUB-13-00015-NHT-146-B	Shop Drawings: Water : Plan ,Profile and Typical Section from Sta.0+100 to Sta.1+400 - Segment A	NHT	S	05/14/14	06/13/14	05/20/14	6	B
	SUB-13-00015-NHT-147-A	Shop Drawings: Stone Walls –Segment B	NHT	S	04/24/14	05/24/14	04/29/14	5	B
	SUB-13-00015-NHT-148-A	Shop Drawings: One Side Shutter Wall from Sta.0+480 to Sta.0+574 LHS ,from Sta.0+614 to Sta.0+790 LHS and from Sta.0+827 to Sta.0+930 LHS ,and Gravity Wall from Sta.0+790 to Sta.0+827 LHS	NHT	S	04/27/14	05/27/14	05/04/14	7	B
	SUB-13-00015-NHT-149-A	Pipe Expansion Joint	NHT	M	04/27/14	05/27/14	05/19/14	22	B
	SUB-13-00015-NHT-150-A	Shop Drawings: Box Culvert at Sta.0+951.6 ,Retaining Wall from Sta.0+930 to Sta.0+980 RHS and Retaining Wall from Sta.0+930 to Sta.0+980 LHS	NHT	S	04/28/14	05/28/14	05/14/14	16	B
	SUB-13-00015-NHT-150-B	Shop Drawings: Box Culvert at Sta.0+951.6 ,Retaining Wall from Sta.0+930 to Sta.0+980 RHS and Retaining Wall from Sta.0+930 to Sta.0+980 LHS -For Engineering Record	NHT	S	06/09/14	07/09/14	06/24/14	15	B
	SUB-13-00015-NHT-151-A	Shop Drawings: Box Culvert at Sta.0+590.5 ,Retaining Wall from Sta.0+570 to Sta.0+595 RHS and Retaining Wall from Sta.0+574.1 to Sta.0+614.0 LHS	NHT	S	04/28/14	05/28/14	05/08/14	10	B
	SUB-13-00015-NHT-151-B	Shop Drawings: Box Culvert at Sta.0+590.5 ,Retaining Wall from Sta.0+570 to Sta.0+595 RHS and Retaining Wall from Sta.0+574.1 to Sta.0+614.0 LHS -For Engineering Record	NHT	S	05/13/14	06/12/14	06/04/14	22	B
	SUB-13-00015-NHT-152-A	Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 5.2.3	NHT	M	04/29/14	05/29/14	05/05/14	6	D
	SUB-13-00015-NHT-152-B	Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 5.2.3	NHT	M	05/07/14	06/06/14	05/27/14	20	C
	SUB-13-00015-NHT-153-A	Bolts, washers and nuts- Buried pipe flanges-Factor	NHT	M	04/29/14	05/29/14	05/05/14	6	C
	SUB-13-00015-NHT-154-A	Butterfly valve-PN 40-Henry Pratt- BOQ items No. 5.2.1,5.2.2, 5.4.1 and 5.4.2	NHT	M	04/29/14	05/29/14	05/20/14	21	C
	SUB-13-00015-NHT-155-A	Revised Construction Schedule & S-curve (April 30,2014)	NHT	SCH	04/29/14	05/29/14	04/30/14	1	D

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	SUB-13-00015-NHT-155-B	Revised Construction Schedule & S-curve (May 11,2014)	NHT	SCH	05/12/14	06/11/14	06/04/14	23	D
	SUB-13-00015-NHT-155-C	Revised Construction Schedule & S-curve (June 10,2014)	NHT	SCH	06/14/14	07/14/14	06/24/14	10	C
	SUB-13-00015-NHT-156-A	Shop Drawings: Stone Walls from Sta.0+980 to Sta.1+078 RHS ,from Sta.1+083 to Sta.1+350 RHS and from Sta.0+980 to Sta.1+070 LHS -Segment A	NHT	S	05/06/14	06/05/14	05/12/14	6	B
	SUB-13-00015-NHT-157-A	Shop Drawings: Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A	NHT	S	05/06/14	06/05/14	05/12/14	6	B
	SUB-13-00015-NHT-158-A	Shop Drawings: Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A	NHT	S	05/06/14	06/05/14	05/12/14	6	B
	SUB-13-00015-NHT-159-A	Shop Drawings: Plan ,Profile and Cross Section for Road from Sta.1+500 to Sta.2+250 - Segment A	NHT	S	05/07/14	06/06/14	05/19/14	12	B
	SUB-13-00015-NHT-160-A	Updated Construction Schedule and S-curve -April 2014	NHT	SCH	05/07/14	06/06/14	05/14/14	7	B
	SUB-13-00015-NHT-161-A	Traffic Control Plan- Phase II- Water transmission pipeline and road widening -DCL Final Written Approval -(Amendment for SUB-13-00015-NHT-095-A)	NHT	P	05/07/14	06/06/14	05/14/14	7	A
	SUB-13-00015-NHT-162-A	Traffic Control Plan- Segment I Above Ground Water Pipe- Phase IA-DCL Final Written Approval - (Amendment for SUB-13-00015-NHT-062-A)	NHT	P	05/07/14	06/06/14	05/14/14	7	A
	SUB-13-00015-NHT-163-A	Shop Drawings: Plan ,Profile and Cross Section for Road from Sta.2+250 to Sta.3+330 - Segment A	NHT	S	05/08/14	06/07/14	05/21/14	13	B
	SUB-13-00015-NHT-164-A	Pressure Gauge- Ashcroft 1279	NHT	M	05/11/14	06/10/14	05/19/14	8	C
	SUB-13-00015-NHT-165-A	Shop Drawings: Water 2" : Plan ,Profile and Typical Section from Sta.2+260 to Sta.3+300 - Segment A	NHT	S	05/12/14	06/11/14	05/20/14	8	B
	SUB-13-00015-NHT-166-A	Testing Labs-Renewed Accreditation Certificate and Schedule (For Emar Center & Building Center Lab)- Amendment to Submittal No. : SUB-13-00015-NHT-010-A	NHT	P	05/14/14	06/13/14	05/26/14	12	A
	SUB-13-00015-NHT-167-A	Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A	NHT	P	05/18/14	06/17/14	05/19/14	1	B
	SUB-13-00015-NHT-168-A	Gaskets for PN 25 Flanges- Reinz AFM 34	NHT	M	05/19/14	06/18/14	05/28/14	9	C
	SUB-13-00015-NHT-169-A	Mitered Bends Schedule and fabrication for 12" pipeline -Segment D	NHT	S	05/19/14	06/18/14	05/27/14	8	B
	SUB-13-00015-NHT-170-A	Shop Drawings: Box Culvert at Sta.1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	NHT	S	05/19/14	06/18/14	06/03/14	15	B
	SUB-13-00015-NHT-170-B	Shop Drawings: Box Culvert at Sta.1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS -For Engineering Record	NHT	S	06/09/14	07/09/14	06/23/14	14	B
	SUB-13-00015-NHT-171-A	Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays -UNISPEED -by Nirlat Products -Segment D	NHT	M	05/21/14	06/20/14	5/28/2014	7	C
	SUB-13-00015-NHT-171-B	Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays -UNISPEED -by Nirlat Products -Segment D	NHT	M	06/18/14	07/18/14	6/24/2014	6	C
	SUB-13-00015-NHT-172-A	Joint sealant material -Thioflex 600	NHT	M	05/25/14	06/24/14	5/28/2014	3	B
	SUB-13-00015-NHT-173-A	Strainer-DVD	NHT	M	06/01/14	07/01/14	6/5/2014	4	C
	SUB-13-00015-NHT-173-B	Strainer-DVD	NHT	M	06/11/14	07/11/14	6/18/2014	7	B
	SUB-13-00015-NHT-174-A	Hubbed on Flanges for Welding -Alternative	NHT	M	06/04/14	07/04/14	6/5/2014	1	B
	SUB-13-00015-NHT-175-A	Shop Drawing: Concrete support details from Sta.0+000 to Sta.0+510- Segment D	NHT	S	06/04/14	07/04/14	6/9/2014	5	C
	SUB-13-00015-NHT-176-A	Shop Drawings: Double Pipe Culvert at Sta.5+472 -Segment A	NHT	S	06/04/14	07/04/14	6/23/2014	19	E
	SUB-13-00015-NHT-177-A	Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.0+000 to Sta.0+210 -Segment B	NHT	S	06/05/14	07/05/14	6/29/2014	24	C

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	SUB-13-00015-NHT-178-A	Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.0+953 Segment B to Sta.5+480 Segment A	NHT	S	06/08/14	07/08/14	6/29/2014	21	C
	SUB-13-00015-NHT-179-A	Updated Risk Management Program from sta.2+280 to Sta.3+320 -Segment A	NHT	P	06/09/14	07/09/14		PE	
	SUB-13-00015-NHT-180-A	Shop Drawings: Water 3" : Plan , Profile and Typical Section from Sta.1+400 to Sta.2+260 - Segment A	NHT	S	06/14/04	07/14/04		PE	
	SUB-13-00015-NHT-181-A	Updated Risk Management Program from Sta.3+320 to Sta.5+500 -Segment A	NHT	P	06/14/14	07/14/14		PE	
	SUB-13-00015-NHT-182-A	Galvanized steel pipes_Toscelik	NHT	M	06/12/14	07/12/14	6/16/2014	4	B
	SUB-13-00015-NHT-183-A	Steel ASTM A 53-Gr B , 3"- ERW Welded Pipes- Toscelik /Tzinorot-BOQ item(5.8.3)	NHT	M	06/17/14	07/17/14	6/23/2014	6	B
	SUB-13-00015-NHT-184-A	Pressure Reducing Valves_ Nahaleen chamber_ High_Pressure_Zone_ PN 40_Bermad	NHT	M	06/17/14	07/17/14		PE	
	SUB-13-00015-NHT-185-A	Water Plan, Profile & Typical Details from Sta.0+000 to Sta.0+980-Segment B	NHT	S	06/28/14	07/28/14		PE	
	SUB-13-00015-NHT-186-A	Manufacturer "Bermad" sizing of Nahaleen Flow Control Valve –As per CMC comments on Submittal No.:(SUB-13-00015-NHT-077-A)&(SUB-13-00015-NHT-080-A)	NHT	M	06/26/14	07/26/14		PE	
	SUB-13-00015-NHT-187-A	Butterfly valve-PN 40-Value	NHT	M	06/30/14	07/30/14		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

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	TEST-13-00015-NHT-001-A	Bearing capacity test report for soil under foundation of retaining wall RHS from St.A 0+125 to St.A 0+205- ST/14039	NHT	04/01/14	05/01/14	04/01/14	0	B
	TEST-13-00015-NHT-002-A	soil slope stability report from St.A 0+000 to St.A 1+440- GT 14/003	NHT	04/14/14	05/14/14	04/20/14	6	B
	TEST-13-00015-NHT-003-A	Reinforcement steel test for reatining wall of(RHS) from Sta.A 0+125 to Sta.A 0+205-BM/STL/14026	NHT	04/14/14	04/20/14	04/16/14	2	A
	TEST-13-00015-NHT-004-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+168.5 to Sta.A 0+205 at RHS- TC-14/35/A	NHT	04/23/14	05/23/14	04/28/14	5	A
	TEST-13-00015-NHT-005-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS- TC-14/335R/A	NHT	04/23/14	05/23/14	04/28/14	5	A
	TEST-13-00015-NHT-006-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+144 to Sta.A 0+155 at RHS-TC-14/347/A	NHT	04/27/14	05/27/14	04/28/14	1	A
	TEST-13-00015-NHT-007-A	Test report for concrete cube compressive strength of stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at RHS- TC-14/350/A	NHT	04/29/14	05/29/14	05/04/14	5	A
	TEST-13-00015-NHT-008-A	Field density and degree of compaction for fourth layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS- TFD/14-161	NHT	05/07/14	06/06/14	05/12/14	5	A
	TEST-13-00015-NHT-009-A	Test for soil classification and modified proctor for first layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TB/14-145	NHT	05/01/14	05/31/14	05/04/14	3	A
	TEST-13-00015-NHT-010-A	Test for field density of compaction fro first layer of benching at RHS from Sta.A 0+240 to Sta.A 0+360- TFD/14-148	NHT	05/01/14	05/31/14	05/04/14	3	A
	TEST-13-00015-NHT-011-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+125 to Sta.A 0+131 at RHS-TC-14/380/A	NHT	05/05/14	06/04/14	05/06/14	1	D
	TEST-13-00015-NHT-012-A	Test report for field density and degree of compaction for second layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS-TFD/14-159	NHT	05/05/14	06/04/14	05/06/14	1	A
	TEST-13-00015-NHT-013-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+155 to Sta.A 0+168.5 at RHS-TC-14/337/A	NHT	05/05/14	06/04/14	05/06/14	1	A
	TEST-13-00015-NHT-014-A	Field density and degree of compaction for third layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS-TFD/14-160	NHT	05/05/14	06/04/14	05/08/14	3	A
	TEST-13-00015-NHT-015-A	Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+131 to Sta.A 0+144 at RHS-TC-14/364/A	NHT	05/07/14	06/06/14	05/08/14	1	A
	TEST-13-00015-NHT-016-A	Field density and degree of compaction for fourth layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-161	NHT	05/08/14	06/07/14	05/12/14	4	E
	TEST-13-00015-NHT-017-A	Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+144 to Sta.A 0+157 at RHS-TC-14/401/A	NHT	05/11/14	06/10/14	05/20/14	9	A
	TEST-13-00015-NHT-018-A	Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+125 to Sta.A 0+131 and from Sta.A 0+195 to Sta.A 0+205 at RHS-TC-14/412/A	NHT	05/14/14	06/13/14	05/19/14	5	A
	TEST-13-00015-NHT-019-A	Test report for concrete cube compressive strength(28 days) for foundation of Retaining Wall from Sta.E 1+100 to Sta.E 1+116-TC-14/335/B	NHT	05/18/14	06/17/14	05/27/14	9	A

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	TEST-13-00015-NHT-020-A	Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+131to Sat.A 0+516 at RHS-TC-14/441/A	NHT	05/21/14	06/20/14	05/22/14	1	A
	TEST-13-00015-NHT-021-A	Test report for field density and compaction degree for fifth layer of Benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-186	NHT	05/21/14	06/20/14	05/22/14	1	C
	TEST-13-00015-NHT-021-B	Test report for field density and compaction degree for fifth layer of Benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-186	NHT	05/26/14	06/25/14	05/27/14	1	A
	TEST-13-00015-NHT-022-A	Test report for modified Proctor for fifth layer of Benching form Sta.A 0+240 to Sta.A 0+360 at RHS-TB/14-163	NHT	05/21/14	06/20/14	05/26/14	5	A
	TEST-13-00015-NHT-023-A	Test report for concrete cube compressive strength (28 days) for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS-TC-14/35/B	NHT	05/26/14	06/25/14	05/27/14	1	A
	TEST-13-00015-NHT-024-A	Test report for concrete compressive strength of one side shutter for stone wall protection up to 60 cm from Sta.A 0+547 to Sta.A 0+554 up to1.2 m from Sta.A 0+564 to Sta.A 0+574, & up to 1.80 m from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS -TC-14/461/A	NHT	05/26/14	06/25/14	05/27/14	1	A
	TEST-13-00015-NHT-025-A	Test report for concrete compressive strength of one side shutter for stone wall protection up to 1.2 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS -TC-14/452/A	NHT	05/26/14	06/25/14	05/27/14	1	A
	TEST-13-00015-NHT-026-A	Test report for concrete compressive strength of one side shutter for stone wall protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574 , up to2.4 high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 & up to 0.6 m high from Sta. A 0+547 to Sta.A 0+554 at LHS -TC-14/462/A	NHT	05/26/14	06/25/14	05/27/14	1	A
	TEST-13-00015-NHT-027-A	Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+125 to Sta.A 0+131 at RHS-TC-14/380/B	NHT	05/27/14	06/26/14	05/31/14	4	A
	TEST-13-00015-NHT-028-A	Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+131 to Sta.A 0+144 at RHS -TC-14/364/B	NHT	05/27/14	06/26/14	05/31/14	4	A
	TEST-13-00015-NHT-029-A	Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+155 to Sta.A 0+168.5 at RHS-TC-14/337/B	NHT	05/27/14	06/26/14	05/31/14	4	A
	TEST-13-00015-NHT-030-A	Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+168.5 to Sta.A 0+205 at RHS-TC-14/335R/B	NHT	05/27/14	06/26/14	05/31/14	4	A

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	TEST-13-00015-NHT-031-A	Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+144 to Sta.A 0+155 at RHS -TC-14/347/B	NHT	05/27/14	06/26/14	05/31/14	4	A
	TEST-13-00015-NHT-033-A	Test report for concrete cube compressive strength (7days) for one side shutter of stone wall protection up to 1.8 high from Sta.A 0+564 to Sta.A 0+574, up to 3 m high form Sta.A 0+484 to Sta.A 0+494, from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534, up to 1.2 m from Sta.A 0+547 to Sta. A 0+554 at LHS - TC-14/466/A	NHT	05/27/14	06/26/14	05/31/14	4	A
	TEST-13-00015-NHT-034-A	Test report for field density and degree of compaction for first layer of Backfilling for internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205 at RHS-TFD/14-213	NHT	06/04/14	07/04/14	06/08/14	4	A
	TEST-13-00015-NHT-035-A	Test report for modified proctor for Backfilling of internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205 at RHS-TB/14-188	NHT	06/04/14	07/04/14	06/16/14	12	A
	TEST-13-00015-NHT-036-A	Test report for concrete cube copmressive strength for stone wall protection (7 days)- up to 60 cm high from Sta.A 0+514 to Sta.A 0+524 , up to 4 m high from Sta.A 0+484 to Sta.A 0+494, up to 2.4 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS-TC-14/502/A	NHT	06/04/14	07/04/14	06/08/14	4	A
	TEST-13-00015-NHT-037-A	Soil testing and Geotechnical analyses report for Box Culvert at Sta.A 0+590-ST/14062	NHT	06/04/14	07/04/14	06/09/14	5	A
	TEST-13-00015-NHT-038-A	Test report for concrete cube compressive strength (28 days) for Stem Of Retaining Wall from Sta.A 0+125 to Sta.A 0+131 and from Sta.A 0+195 to Sta.A 0+205 at RHS-TC-14/12/B	NHT	06/07/14	07/07/14	06/08/14	1	A
	TEST-13-00015-NHT-039-A	Test report for concrete compressive strength (28 days) for Stem Of Retaining Wall from Sta.A 0+144 to Sta.A 0+157 at RHS-TC-14/401/B	NHT	06/07/14	07/07/14	06/08/14	1	A
	TEST-13-00015-NHT-040-A	Test report for concrete cube compressive strength (7 days) : - Up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS -Up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644, from Sta.A 0+654 to Sta.A 0+664 at LHS - Up to 1.2 m high from Sta.A 0+534 to Sta.A 0+544, from Sta.A 0+554 to Sta.A 0+564 at LHS -Up to1.8 high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/504/A	NHT	06/07/14	07/07/14	06/08/14	1	A
	TEST-13-00015-NHT-041-A	Test report for concrete compressive strength (7 days) : -Up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644, from Sta.A 0+654 to Sta.A 0+664 at LHS -Up to 60 cm high from Sta.A 0+534to Sta.A 0+544, from Sta. A 0+554 to Sta.A 0+564 at LHS -Up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/503/A	NHT	06/07/14	07/07/14	06/08/14	1	A

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	TEST-13-00015-NHT-042-A	Test report for concrete core for Stem Of Retaining Wall from Sta.A 0+168 to Sta.A 0+195-TCC/14-018	NHT	06/08/14	07/08/14	06/12/14	4	A
	TEST-13-00015-NHT-043-A	Test report for bedding materials (Somsom) at Sta.A 3+950 at RHS-TA/14/018	NHT	06/08/14	07/08/14	06/09/14	1	A
	TEST-13-00015-NHT-044-A	Test report for single size at Sta.A 3+950 at RHS-TA/14/017	NHT	06/08/14	07/08/14	06/09/14	1	A
	TEST-13-00015-NHT-045-A	Test report for concrete compressive strength for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 , up to 3.0 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3.6 m high from Sta.A 0+514 to Sta.A 0+524 at LHS, up to 1.8 high from Sta.A 0+674 to Sta.A 0+684 at LHS -TC-14/556/A	NHT	06/10/14	07/10/14	06/11/14	1	A
	TEST-13-00015-NHT-046-A	Test report for modified proctor of base course under foundation of box culvert and adjacent retaining walls at Sta.A0+590 -TB/14-193	NHT	06/10/14	07/10/14	06/18/14	8	A
	TEST-13-00015-NHT-047-A	Test report for field density of first layer of base course under foundation of box culvert and adjacent retaining walls at Sta.A0+590 -TFD/14-219	NHT	06/10/14	07/10/14	06/18/14	8	A
	TEST-13-00015-NHT-048-A	Test report for field density of second layer of base coarse under foundation of box culvert and adjacent retaining walls at sta.A0+590 -TFD/14-220	NHT	06/10/14	07/10/14	06/18/14	8	A
	TEST-13-00015-NHT-049-A	Test report for field density of second layer of backfilling at the internal face of retaining wall from Sta.A0+160 to Sta.A0+205 at RHS -TFD/14-214	NHT	06/10/14	07/10/14	06/18/14	8	A
	TEST-13-00015-NHT-050-A	Test report for concrete cube compressive strength (7 day) up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS ,up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS, up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS, up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/506/A	NHT	06/10/14	07/10/14	06/11/14	1	A
	TEST-13-00015-NHT-051-A	Test report for seven days of concrete cubic compressive strength for stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 , up 2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS ,up to 1.2 m high from Sta.A 0+494 to Sta.A 0+504 , up to 1.8 m high from Sta.A 0+614 to Sta.A 0+624 & from Sta.a 0+654 to Sta.A 0+664 at LHS and up to 60 cm high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/510/A	NHT	06/12/14	07/12/14	06/14/14	2	A

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-13-00015-NHT-052-A	Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection: - up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS -up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS ,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/557/A	NHT	06/12/14	07/12/14	06/14/14	2	A
	TEST-13-00015-NHT-053-A	Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection: - up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS - up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/558/A	NHT	06/12/14	07/12/14	06/14/14	2	A
	TEST-13-00015-NHT-054-A	Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection: - up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654, from Sta.A 0+664 to Sta.A 0+674 at LHS -up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS-TC-14/559/A	NHT	06/12/14	07/12/14	06/14/14	2	A
	TEST-13-00015-NHT-055-A	Test report for field density and degree of compaction for third layer of Backfilling for the internal face of Retaining Wall from Sta.A 0+160 to Sta.A 0+205 at RHS-TFD/14-225	NHT	06/12/14	07/12/14	06/14/14	2	A
	TEST-13-00015-NHT-056-A	Test report for(28 days) concrete compressive strength : -For stem of retaining wall from Sta.A 0+157 to Sta.A 0+169, from Sta.A 0+131 to Sta.A 0+144 at RHS -For one side shutter of stone wall protection up to 60 cm high from Sta.A 0+488 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS-TC-14/441/B	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-057-A	Test report for(28 days) concrete compressive strength : -For one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS-TC-14/452/B	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-058-A	Test report for seven days concrete compressive strength for blinding concrete under concrete support at segment D-TC-14/505/A	NHT	06/14/14	07/14/14	06/16/14	2	A

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-13-00015-NHT-059-A	Test report for seven days concrete compressive strength for Stone Wall Protection: -up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714 at LHS -up to 2.4 m high from Sta.A 0+717 to Sta.A 0+734 at LHS -up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 764 to Sta.A 0+774 at LHS-TC-14/567/A	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-060-A	Test report for Bedding materials(Somsom) from Sta.A 4+200 to Sta.A 4+700 at RHS-TA/14/019	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-061-A	Test report for Single Size material from Sta.A 4+200 to Sta.A 4+700 at RHS-TA/14/020	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-062-A	Test report for field density and degree of compaction for first and second layer of Base Course under foundation of Box Culvert at Sta.A 0+951.60 at LHS-TFD/14-224	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-063-A	Test reportfor field density and degree of compaction for the fourth layer of Backfilling of internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-228	NHT	06/14/14	07/14/14	06/16/14	2	A
	TEST-13-00015-NHT-064-A	Test report for (28 days)of concrete cube compressive strength for one side shutter of concrete protection : -up to 1.8 m high from Sta.A 0+484 to Sta.A 0+494, from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS -up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574at LHS -up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS-TC-14/461/B	NHT	06/17/14	07/17/14	06/19/14	2	A
	TEST-13-00015-NHT-065-A	Test report for (28 days)of concrete cube compressive strength for one side shutter of concrete protection : -up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574 at LHS -up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 at LHS - up to 0.6 m high from Sta.A 0+547 to Sta.A 0+554 at LHS-TC-14/462/B	NHT	06/17/14	07/17/14	06/19/14	2	A
	TEST-13-00015-NHT-066-A	Test report for seven days of concrete cube compressive strength for one side shutter of concrete protection : -up to 1.2 m high from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS - up to 60 cm high from Sta.A 0+764 to Sta.A 0+774 at LHS-TC-14/560/A	NHT	06/17/14	07/17/14	06/19/14	2	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project (NHT)

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-13-00015-NHT-067-A	Test report for seven days of concrete cube compressive strength for one side shutter of concrete protection : -Up to 3.6 m high from Sta.A 0+717 to Sta.A 0+734 at LHS -Up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS -Up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS-TC-14/577/A	NHT	06/17/14	07/17/14	06/19/14	2	A
	TEST-13-00015-NHT-068-A	Test report field density and degree of compaction for fifth layer of Backfilling for internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-235	NHT	06/21/14	07/21/14	06/23/14	2	A
	TEST-13-00015-NHT-069-A	Test report field density and degree of compaction for sixth layer of Backfilling for internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-241	NHT	06/21/14	07/21/14	06/23/14	2	A
	TEST-13-00015-NHT-070-A	Test report for (28 days) of concrete compressive strength for stone wall protection : -up to 60 cm high from Sta.A 0+514 to Sta.A 0+524 at LHS -up to 4.00 m high from Sta.A 0+484 to Sta.A 0+494 at LHS -up to 2.40 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS-TC-14/502/B	NHT	06/22/14	07/22/14	06/23/14	1	A
	TEST-13-00015-NHT-071-A	Test report for seven days of concrete compressive strength for stone wall protection : -up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS -up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS-TC-14/586/A	NHT	06/22/14	07/22/14	06/23/14	1	A
	TEST-13-00015-NHT-072-A	Test report for field density and degree of compaction for first layer of the base course road from Sta.A 3+920 to Sta.A 4+050 at RHS at Sta.A 3+960 and Sta.A 4+020-TFD/14-234	NHT	06/24/14	07/24/14	07/02/14	8	A
	TEST-13-00015-NHT-073-A	Test report for field density and degree of compaction for first layer of the base course road from Sta.A 4+120 to Sta.A 4+250 at RHS-TFD/14-243	NHT	06/24/14	07/24/14	06/26/14	2	A
	TEST-13-00015-NHT-074-A	Test report for the Base Course material at Stock Pile (from Morra Crusher) - TB/14/202	NHT	06/24/14	07/24/14	06/26/14	2	A
	TEST-13-00015-NHT-075-A	Test report for (28 Days) of concrete cube compressive strength for stone wall protection : -up to 60 cm from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS & -up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/503/B	NHT	06/24/14	07/24/14	06/26/14	2	A
	TEST-13-00015-NHT-076-A	Test report for single size material of water pipe trench from Sta.A 2+700 to Sta.A 3+200 at RHS-TA/14/021	NHT	06/25/14	07/25/14	06/29/14	4	A

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-13-00015-NHT-077-A	Test report for Bedding material (Somsom) of water trench from Sta.A 2+700 to Sta.A 3+200 at RHS at Sta.A 2+800 -TA/14/022	NHT	06/25/14	07/25/14	06/29/14	4	A
	TEST-13-00015-NHT-078-A	Test report for Bedding material (Somsom) of water trench from Sta.A 4+200 to Sta.A 4+700 at RHS at Sta.A 4+300 -TA/14/024	NHT	06/25/14	07/25/14	06/29/14	4	A
	TEST-13-00015-NHT-079-A	Test report for single size and Bedding material (Somsom) for water trench from Sta.A 4+700 to Sta.A 5+200 at RHS at Sta.A 4+800-TA/14/023	NHT	06/25/14	07/25/14	07/02/14	7	A
	TEST-13-00015-NHT-080-A	Test report for (28 days) of concrete cube compressive strength of stone wall protection: -up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS , from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS -up to2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS -up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS , up to 60 cm from Sta.A 0+674 to Sta.A 0+684 at LHS TC-14/510/B	NHT	06/25/14	07/25/14	07/02/14	7	A
	TEST-13-00015-NHT-081-A	Test report for (28 days) of concrete cube compressive strength for blinding concrete undre concrete support-segment D-TC-14/505/B	NHT	06/25/14	07/25/14	06/26/14	1	A
	TEST-13-00015-NHT-082-A	Test report for (28 days) of concrete cube compressive strength of stone wall protection: - up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 ,from Sta.A 0+654 to Sta.A 0+664, from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS -up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS -up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/504/B	NHT	06/25/14	07/25/14	06/26/14	1	A
	TEST-13-00015-NHT-083-A	Test report for (seven days) of concrete cube compressive strength of stone wall protection: -up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS -up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS-TC-14/585/A	NHT	06/25/14	07/25/14	06/26/14	1	A
	TEST-13-00015-NHT-084-A	Test report for (seven days) of concrete cube compressive strength for concrete blinding Box Culvert at Sta.A 0+590 -TC-14/584/A	NHT	06/25/14	07/25/14	06/26/14	1	A
	TEST-13-00015-NHT-085-A	Test report for (seven days) of concrete cube compressive strength of Stone Wall protection: - up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS -up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS TC/14/597/A	NHT	06/26/14	07/26/14	06/30/14	4	A

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-TO-12-00005
TASK ORDER #15, Nahaleen Main Pipeline Project (NHT)

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-13-00015-NHT-086-A	Test report for (seven days) of concrete cube compressive strength of: -foundation of Retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS , from Sta.A 0+585 to Sta.A 0+595 at RHS - foundation Box Culvert at Sta.A 0+590 -Stone Wall Protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS-TC-14/598/A	NHT	06/26/14	07/26/14	06/30/14	4	A
	TEST-13-00015-NHT-087-A	Test report for (seven days) of concrete cube compressive strength of stone wall protection : -up to 60 cm high from Sta.A 0+734 to Sta.A 0+744 -up to 1.2 m high from Sta.A 0+714 to Sta.A 0+717 at LHS-TC-14/626/A	NHT	06/26/14	07/26/14	06/30/14	4	A
	TEST-13-00015-NHT-088-A	Test report for (seven days) of concrete cube compressive strength: - of Box Culvert At Sta.A 0+591.60 -of stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS and up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS-TC-14/628/A	NHT	06/26/14	07/26/14	06/30/14	4	A
	TEST-13-00015-NHT-089-A	Test report for (seven days) of concrete cube compressive strength of stone wall protection: - up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 at LHS -up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS - up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS-TC-14/627/A	NHT	06/29/14	07/29/14	06/30/14	1	A
	TEST-13-00015-NHT-090-A	Test report for Field density and Degree of compaction for Sub Grade of widening road from Sta.A 3+920 to Sta.A 4+050 at Sta.A 4+010 at RHS-TFD/14-255	NHT	06/29/14	07/29/14	06/30/14	1	A
	TEST-13-00015-NHT-091-A	Test report of Modified proctor for Sub Grade materials for road widening from Sta.A 3+920 to Sta.A 4+050 at RHS-TB/14-212	NHT	06/29/14	07/29/14	06/30/14	1	A
	TEST-13-00015-NHT-092-A	Test report of Modified proctor for Sub Grade materials for road widening from Sta.A 3+920 to Sta.A 4+050 at RHS-TB/14-213	NHT	06/29/14	07/29/14	06/30/14	1	A
	TEST-13-00015-NHT-093-A	Test report for Field density and degree of compaction for Sub Grade road widening from Sta.A 4+120 to Sta.A 4+250 at Sta.A 4+200 and Sta.A 4+160 at RHS-TFD/14-256	NHT	06/29/14	07/29/14	06/30/14	1	A

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

G | RFI's Log for the Reporting Period

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #15, Nahaleen Main Pipeline
RFIs log - NHT

Request For Information				TRACKING DATES				Approved By
Spec. No.	RFI No	Description	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	
	RFI-13-00015-NHT-001	Control valves in Nahaleen Main Pipe line Project, discrepancies between the bills/ drawings and technical specifications. Task order # 15	NHT	12/04/13	01/03/14	12/22/13	18	Nimr Rjoub
	RFI-13-00015-NHT-002	Design Hydraulic Characteristics for pressure reducing valves	NHT	12/19/13	01/18/14	01/05/14	17	Nimr Rjoub
	RFI-13-00015-NHT-003	Road alignment / proposed center line and curved data for Nahaleen Main Pipe line Project, TO # 15	NHT	12/23/13	01/22/14	01/12/14	20	Nimr Rjoub
	RFI-13-00015-NHT-004	Concrete supports for main pipeline Segment D/ Nahaleen Main Pipe line Project, TO # 15	NHT	01/21/14	02/20/14	02/03/14	13	Nimr Rjoub
	RFI-13-00015-NHT-005	Expansion joints pipeline and alignment as requested on submittal SUB-13-00015-NHT-072-A for the 12" pipeline and location - at Segment D Nahaleen Main Pipeline Project, (TO #15)	NHT	02/16/14	03/18/14	02/20/14	4	Nimr Rjoub
	RFI-13-00015-NHT-006	Using steel mini guard around trenches instead of concrete barrier	NHT	02/20/14	03/22/14	02/26/14	6	Nimr Rjoub
	RFI-13-00015-NHT-007	Construction risk for the existing stone walls due to widening road from Sta.3+320 to Sta.5+800 -Nahaleen Main Pipeline Project	NHT	02/20/14	03/22/14	03/05/14	13	Nimr Rjoub
	RFI-13-00015-NHT-008	Your response to RFI # 005 for Expansion joints12" pipeline at Segment D Nahaleen Main Pipeline Project, (TO #15)	NHT	03/03/14	04/02/14	03/05/14	2	Nimr Rjoub
	RFI-13-00015-NHT-009	Replacement of box culverts at sta. 0+590, 0+951 and 1+356 at Nahaleen Main Pipe line Project, TO # 15	NHT	03/30/14	04/29/14	04/21/14	22	Nimr Rjoub
	RFI-13-00015-NHT-010	Concrete supports for main pipeline Segment D/ Nahaleen Main Pipe line Project, TO # 15	NHT	04/10/14	05/10/14	04/20/14	10	Nimr Rjoub
	RFI-13-00015-NHT-011	Box culvert and retaining walls at sta. 1+356 TO 15 Nahaleen .main waterline	NHT	05/19/14	06/18/14	05/21/14	2	Nimr Rjoub
	RFI-13-00015-NHT-012	Using geo textile sheet under base course and above single size material in water lines trenches	NHT	06/24/14	07/24/14			

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-13-00015

Nahaleen Main Pipeline Project (NHT)

Temproray Job Days Summary Report

Task Order Name: Nahaleen Main Pipeline Project

PERIOD FROM: November 06, 2013

CONTRACTOR: APCO/ArCon

PERIOD TO: June 30, 2014

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments	Total Female Hours	Total Female Job-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	12	0	26	0	0	38	2		0	0
December	2013	23	11	17	18	0	69	3		144	18
January	2014	41	55	28	59	0	183	8		296	37
February	2014	71	69	34	98	0	272	11		400	50
March	2014	81	101	119	219	0	531	22		384	48
April	2014	79	103	412	437	0	1042	44		417	52
May	2014	78	84	453	487	0	1142	48		416	52
June	2014	114	104	1181	923	0	2344	98		440	55
July	2014						0	0			
August	2014						0	0			
September	2014						0	0			
Total of FY 2014							5620	236		2497	312
October	2014						0	0			
November	2014						0	0			
December	2014						0	0			
January	2015						0	0			
February	2015						0	0			
March	2015						0	0			
April	2015						0	0			
May	2015						0	0			
June	2015						0	0			
July	2015						0	0			
August	2015						0	0			
September	2015						0	0			
Total of FY 2015							0	0			

Note :

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

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

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM
TASK ORDER NO: AID-294-TO-12-00015

Nahaleen Main Pipeline Project
Geo-MIS DATA COLLECTION SHEET

CONTRACTOR: APCO/ArCon

PERIOD FROM: June 01, 2014

PERIOD TO: June 30, 2014

DATE	Nahaleen Main Pipeline Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
June 1, 2014	3	3	16	21		43						
June 2, 2014	3	3	18	21		45						
June 3, 2014	3	3	21	22		49						
June 4, 2014	4	3	28	25		59						
June 5, 2014	4	3	26	25		57						
June 6, 2014	0	0	0	9		9						
June 7, 2014	4	3	29	27		63						
June 8, 2014	5	3	31	30		69						
June 9, 2014	6	4	52	36		98						
June 10, 2014	6	5	49	42		101						
June 11, 2014	6	5	58	49		117						
June 12, 2014	5	5	49	41		99						
June 13, 2014	0	0	0	9		9						
June 14, 2014	5	4	51	2		62						
June 15, 2014	5	4	57	42		108						
June 16, 2014	5	4	64	49		121						
June 17, 2014	5	4	60	52		120						
June 18, 2014	5	4	33	22		64						
June 19, 2014	5	4	61	42		113						
June 20, 2014	0	0	0	9		9						
June 21, 2014	5	4	58	42		110						
June 22, 2014	5	5	51	39		101						
June 23, 2014	5	6	63	51		125						
June 24, 2014	5	5	71	40		121						
June 25, 2014	5	5	73	40		123						
June 26, 2014	5	5	61	36		106						
June 27, 2014	0	0	0	6		6						
June 28, 2014	5	5	51	39		100						
June 29, 2014	4	4	36	28		71						
June 30, 2014	4	4	32	30		68						
Sub Total of June	114	104	1181	923	0	**2344**						

June, 2014	**Total Job Days**	**No of Full Time Equivalent (FTE) Jobs**
	2344	98

Daily Work Force /June 2014
Project **Nahaleen Main Pipeline Project**
Contract AID-294-I-00-12-00005

APCO/ArCon CONSTRUCTION AND SERVICES

Daily Work Force /June 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	Certified Welding Inspector	Technical Engineer	Quantitiy Surveyor	Safety & Environmental	Assistant Safety Officer	Project Manager / Engineer	Office Engineer(F)	Site Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Welders	Drivers	Unskilled Labor	storage yard guard	Equipment Guard	wood and reinforcement	Security guard	Flagmen	Janitor(F)	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
June 1, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	16	21
	Subcontractor										8			16	8			60		44	80	24	12	12		20						
June 2, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	18	21
	Subcontractor										8			16	8	8		60		54	80	24	12	12		24						
June 3, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	21	22
	Subcontractor										8			24	8			70		65	80	24	12	12		32						
June 4, 2014	APCO/ArCon		8	8		8			8		8	8													8		8		4	3	28	25
	Subcontractor										8			24	8			70		119	100	24	12	12		32						
June 5, 2014	APCO/ArCon		8	8		8			8		8	8													8		8		4	3	26	25
	Subcontractor										8			16	8			80		103	100	24	12	12		32						
June 6, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
June 7, 2014	APCO/ArCon		8	8		8			8		8	8													8		8		4	3	29	27
	Subcontractor										8			24	8			80		117	120	24	12	12		32						
June 8, 2014	APCO/ArCon		10	10		8			10		10	8													8		8		5	3	31	30
	Subcontractor										8			24	8			80		136	128	24	12	12		44						
June 9, 2014	APCO/ArCon		11	11		11			11		11	11													8		8		6	4	52	36
	Subcontractor										11			55	11			180		172	180	24	12	12		44						
June 10, 2014	APCO/ArCon		11	11		11			11		11	11													8		8		6	5	49	42
	Subcontractor										14			66	11			150		166	230	24	12	12		44						
June 11, 2014	APCO/ArCon		11	11		11			11		11	11													8		8		6	5	58	49
	Subcontractor										16			66	11			170		216	280	24	12	12		44						
June 12, 2014	APCO/ArCon		10	10		10			10		10	10													8		8		5	5	49	41
	Subcontractor										16			66	10			90		223	216	24	12	12		48						
June 13, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
June 14, 2014	APCO/ArCon		10	10		10			10		10	9													8		8		5	4	51	2
	Subcontractor										16			66	10			144		187	216	24	12	12		48						
June 15, 2014	APCO/ArCon		11	8		10			10		8	8													8		8		5	4	57	42
	Subcontractor										16			46	8			184		216	224	24	12	12		48						
June 16, 2014	APCO/ArCon		9	9		9			9		9	8													8		8		5	4	64	49
	Subcontractor										16			80	8			190		232	280	24	12	12		48						

Date	Name of Contractor /Subcontractor	Worker/Classification (Hour)																												Man-days			
		Management								Engineers			Skilled							Unskilled													
		IQC Manager	Task Order Manager	Quality Control Manager	Assistant QCM	Certified Welding Inspector	Technical Engineer	Quantitiy Surveyor	Safety & Environmental	Assistant Safety Officer	Project Manager / Engineer	Office Engineer(F)	Site Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Welders	Drivers	Unskilled Labor	storage yard guard	equipment Guard	wood and reinforcement steel guard	Security guard	Flagmen	Janitor(F)	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
June 17, 2014	APCO/ArCon		9	9		9			9		9	10													8		8		5	4	60	52
	Subcontractor										16			80	8			170		221	300	24	12	12		48						
June 18, 2014	APCO/ArCon		10	9		10			10		10	9													8		8		5	4	33	22
	Subcontractor										16			42	8			58		157	74	24	12	12		34						
June 19, 2014	APCO/ArCon		10	9		10			9		9	9													8		8		5	4	61	42
	Subcontractor										16			70	8			180	20	213	240	24	12	12		34						
June 20, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
June 21, 2014	APCO/ArCon		10	9		10			9		9	10													8		8		5	4	58	42
	Subcontractor										16			70	8			180	20	189	240	24	12	12		34						
June 22, 2014	APCO/ArCon		10	8		10			10		8	8													8		8		5	5	51	39
	Subcontractor										26			50	8			160	10	183	210	24	12	12		40						
June 23, 2014	APCO/ArCon		11	9		10			10		9	10													8		8		5	6	63	51
	Subcontractor										30			80	10			188	24	198	313	24		12		42						
June 24, 2014	APCO/ArCon		11	10		10			11		10	10													8		8		5	5	71	40
	Subcontractor										20			74	10			229	24	231	242	24		12		24						
June 25, 2014	APCO/ArCon		11	10		10			11		10	10													8		8		5	5	73	40
	Subcontractor										18			74	10			229	36	234	242	24		12		24						
June 26, 2014	APCO/ArCon		10	8		8			10		8	10													8		8		5	5	61	36
	Subcontractor										18			68	8			184	24	204	212	24		12		24						
June 27, 2014	APCO/ArCon																												0	0	0	6
	Subcontractor																					24		24								
June 28, 2014	APCO/ArCon		11	9		10			10		9	10													8		8		5	5	51	39
	Subcontractor										20			58	10			123	40	175	227	24		12		36						
June 29, 2014	APCO/ArCon		7	7		7			7		7	7													7		7		4	4	36	28
	Subcontractor										14			35	7			77	40	126	154	24		12		21						
June 30, 2014	APCO/ArCon		7	7		7			7		7	7													7		7		4	4	32	30
	Subcontractor										14			35	7			91	14	105	168	24		12		21						
	APCO/ArCon																												0	0	0	0
	Subcontractor																															
Total																													**117**	**107**	**1197**	**923**

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 15- 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								0							
2	Owner								0							
3	USAID								0							
4	External	Work slow down and stoppage	Security situation	L	APCO	June 15, 2014 via EMAIL	2	2	4	Not Determined Yet	Not Determined Yet	Mitigate	Intensive coordination with Bethlehem DCL, BV and USAID	External	Pending	
5	Procurement								0							
6	Skills								0							
7	Complexity								0							
8	Resources								0							
9	Communications								0							
									0							