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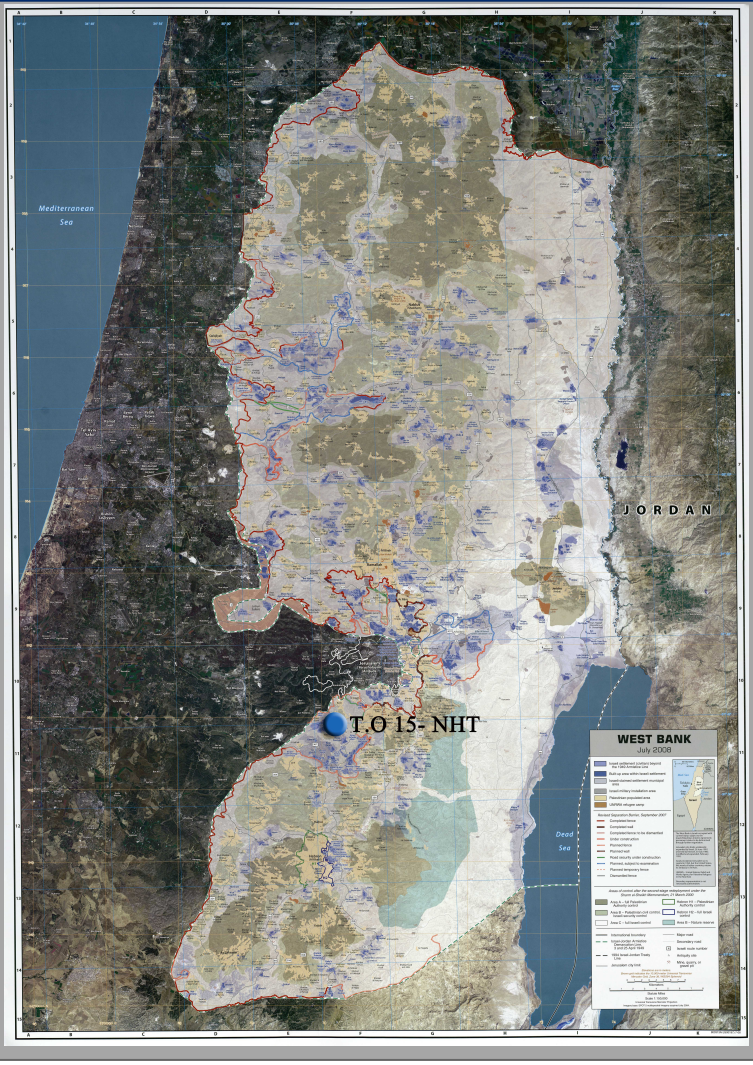
MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00015

Nahaleen Main Pipeline Project (NHT)

APCO/ArCon

May , 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 May. 01, 2014 to May. 31, 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 07

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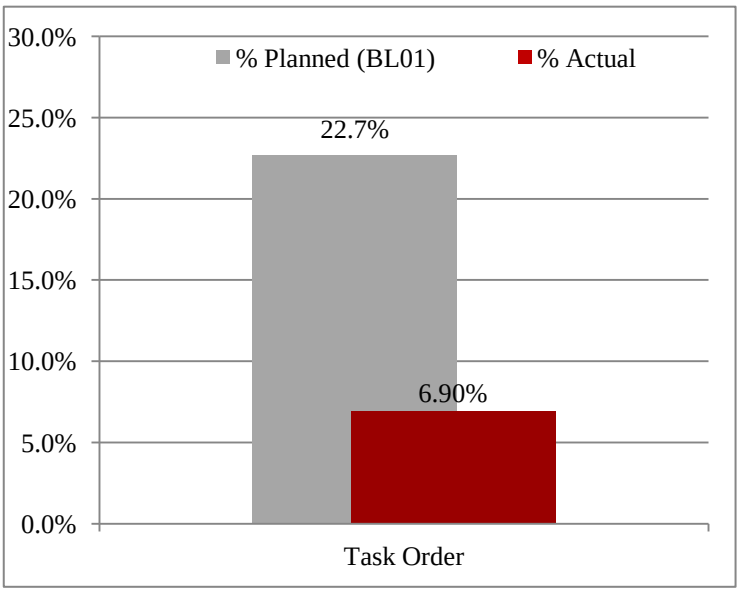
TASK ORDER OVERVIEW:

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	22.7% (BL01)
Actual Percentage of Completion	6.9%



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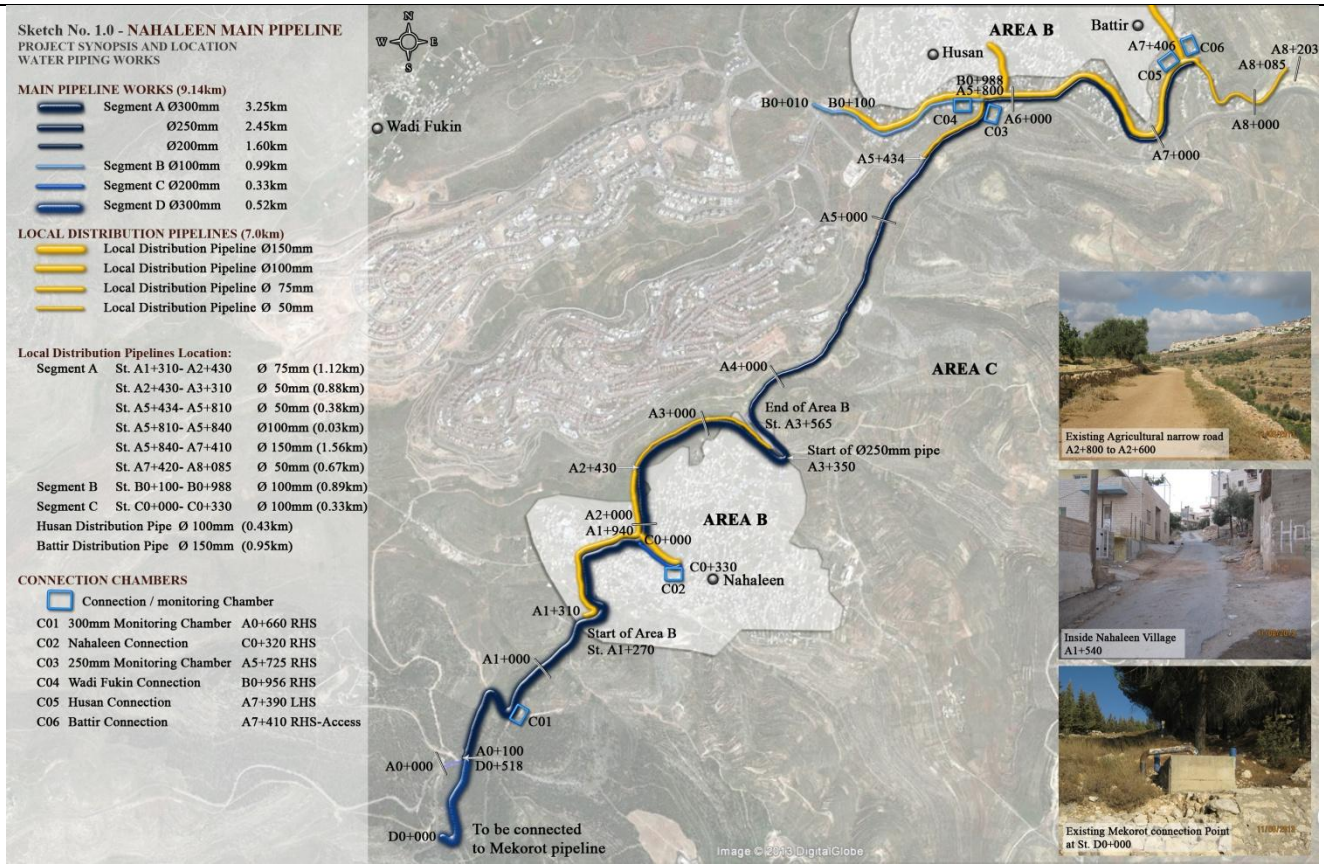

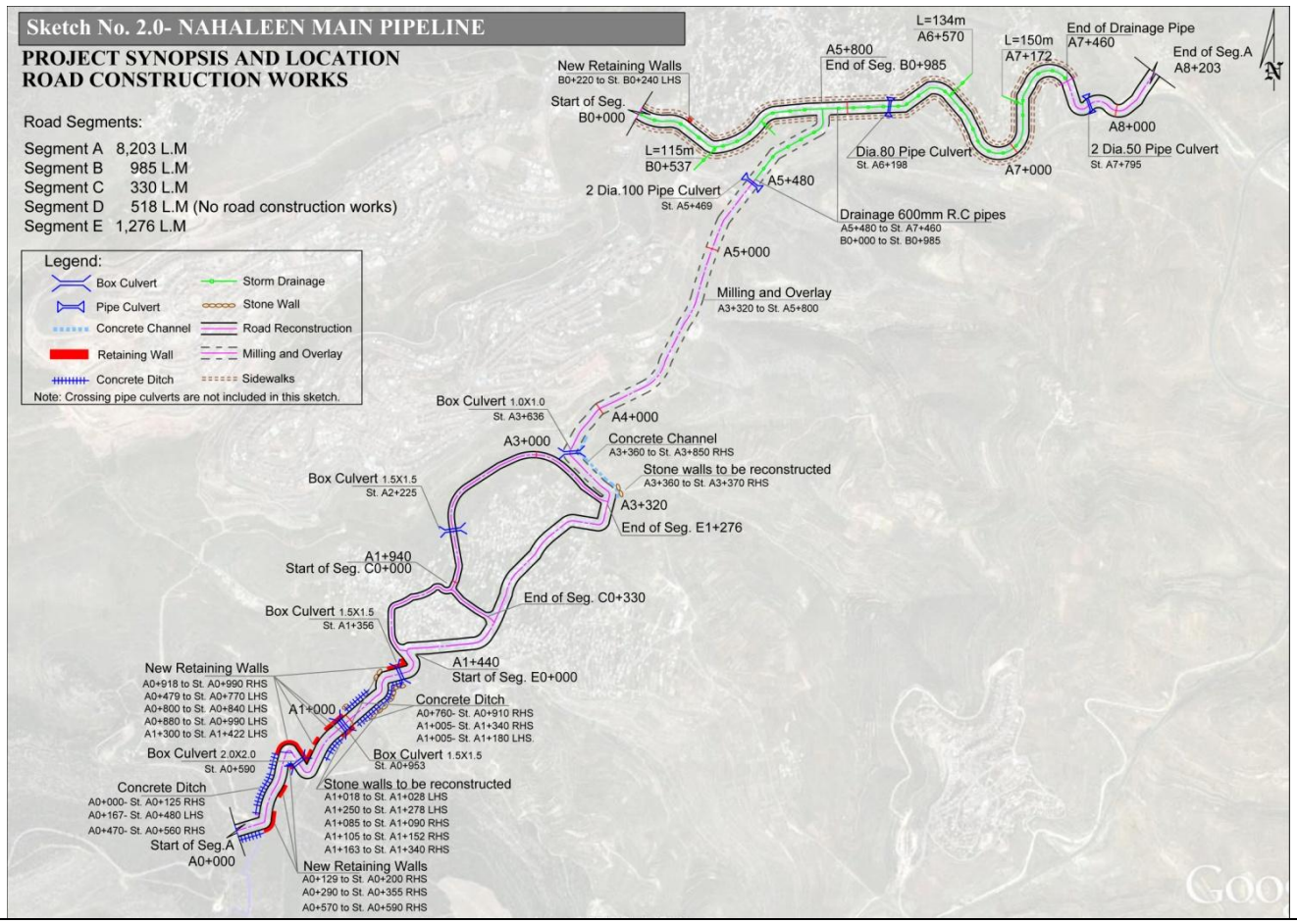

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SAFETY:

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
May 04, 2014	006	The site at Sta. 0+100 and Sta. 1+100 (Segment A)	Discuss the following subjects: Hearing Protection , personal protective equipment and clothing , Eye and face protection , maintain three point contact with mobile equipment , Noise how loud is it and proper use of foam earplugs

Figure 01-Toolbox talks during May.

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), APCO is working on modified Traffic Plan to be submitted to DCL for their approval and requested a meeting with the ICA that was scheduled and postponed several times and scheduled again on June 8, 2014. APCO requested BV and USAID help in this regard.

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:

Approved flyers were distributed within project vicinity and surrounding localities. Coordinations with local councils, utility owners and residences were conducted during this reporting period as shown in below coordination log.

May 21, 2014	Meeting with Al Karmel Girls School administration arranging for a warness session for the Students. Meeting with Nahaleen Association and School for Special Education administration arranging for awarness activities in the school. Meeting at Nahaleen Secondary Boys School.
May 22, 2014	Awarness presentation and safety toolbox talk at Nahaleen Secondary Boys School. Awarness presentation and safety toolbox talk at Nahaleen Association and School for Special Education.
May 25, 2014	Meeting at Oula Al Qiblatayn Girls School. Awarness presentation and safety toolbox talk at Al Karmel Girls School.
May 31, 2014	APCO participated in Nahaleen Association and School for Special Education ceremony of 80 students graduation from the kindergarten (some kids with special needs), in coordination with the center administration a play was organized and performed by the kids regarding traffic control and safety in construction areas, kinds wore the PPEs and acted like site engineers, forman and road motorists. The play was effective and all attendees enjoyed it, at the end of the ceremony the T.O.M and P.R officer distributed gifts to all graduated kids.

Figures 02 and 03: Safety Toolbox talk and presentation at Al Karmel Girls School

Figures 04 and 05: Safety Toolbox talk and presentation at Nahaleen Association and School for Special Education.

Figures 06 and 07: Scenes from the safety play that was performed by Nahaleen School for Special Education kids.

COORDINATION:

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

Date	Attendees	Subject	Description
May 12, 2014	USAID: Mark Peters APCO/ArCon- Naim Fanoon, Monther Ibhais, Ahmad Najajrah, Ibrahim Hindi, Najim Saymuah, Narmeen Bakri, Amani Krunz Black and Veatch - Nimer Rjoub, Adnan Safi , Jamil Awwad, Mustafa Mohammad PWA : Tahir Safi	Bi weekly progress meeting	Discussed project progress ,quality ,safety and obstacles.
May 15, 2014	Team of B&V APCO/ArCon- Naim Fannoon , Monther Ibhais, Motasem Abu Rayyan, Taghreed Najajrah and Mahmoud Najajrah	Technical Workshop	APCO staff attended a workshop/ training conducted by BV about welding and welding procedures.
May 22, 2014	Bethlehem DLC- Int. Org. Liaison Officer: Lt. Yotam Tzairi Preservation officer representative- Sahar APCO/ArCon- Eng. Naim Fanoon, Mahmoud Jaradat B&V - Islam Qawasmeh, Ahamad Abbad	Coordination Meeting and walkthrough	Joint Walkthrough to discuss work plan and schedule for construction works inside nature reserve area (segment D)
May 27, 2014	Preservation officer representative- Sahar APCO/ArCon- Mahmoud Jaradat	Coordination Meeting and walkthrough	Joint Walkthrough to discuss the possibility of removal of some trees in the area.

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Date	Attendees	Subject	Description
May 28, 2014	USAID –Peter Riley Chitahaka Floore , Hourig Deldelian, Sandy Sakran, Sonia Massis, Anan Masri, Mark Peters, Rami Abu Ktaish B&V- Chris Decker, Dr. Daoud Qawasmeh, Adnan Safi (via conference call), Karim Husari, Adnan Azazmeh Shahrazad Al Ayaydeh APCO- Najim Saymuah, Mahmoud Jaradat, Amani Krunz	Monthly CO Meeting	APCO Briefly presented Projects status and discussed projects progress and issues.

SITE VISITORS:

During this reporting period, the following visits have occurred:

Date	Company	Location	Description
Task Order 15			
May 12, 2014	USAID- Mark Peters	Nahaleen main pipeline project	Site visit to follow-up work progress and attend the bi-weekly progress meeting.
May 22, 2014	Bethlehem DLC- Int. Org. Liaison Officer: Lt. Yotam Tzairi Preservation officer representative- Sahar	Nahaleen main pipeline project-segment D	Discuss work plan and coordinate planned works in the nature reserve area (segment D)
May 27, 2014	Preservation officer representative- Sahar	Nahaleen main pipeline project-segment D	Joint Walkthrough to discuss the possibility of removal of some trees in the area.

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

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

PROGRESS and SCHEDULING:

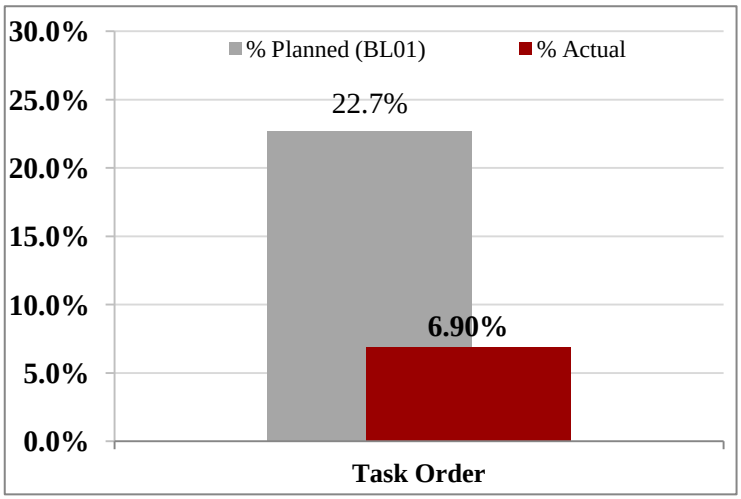
% of Completion:

- Survey 95%
- Shop drawing preparation 62%
- Excavation 50%
- Concrete Works 11%
- Installation steel pipes (250mm) 3%

Overall percentages of completion are :

Completion%	T.O
Planned % Baseline 01	22.7%
Actual %	6.9%
Total Float	-70

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 plan to mitigate the delays and go back on track by increasing staffing and resourcing. APCO/ArCon is planning to increase the working hours to 11 hours a day, also, below crews and equipment will be increased:

1. Increase number of welding crews to be 2 instead of 1.
2. Increase number of equipment for earth works 2 excavators and 2 loaders.
3. Assign 3 crews for concrete works, 2 for retaining walls and one for one sided shuttering walls.
4. One crew for box culverts.
5. 2 crews for stone walls construction.
6. Additional crew for pipeline installation at Segment D.

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.
- Third delivery of steel pipes (300 mm) 536.8 l.m.
- Fourth delivery of steel pipes (50 mm) 1,525 l.m.
- Finish construction of retaining wall in segment E from St. E1+100 to St. E1+116.
- Continue excavation (cut/fill) from Sta.0+000 to St.1+440 (90% complete).
- Continue construction of retaining wall from St. A0+129 to St. A0+200 RHS (95% Complete).
- Continue construction of concrete protection for the existing stone wall from St. A0+479 to St. A0+625 LHS (90% Complete).
- Start construction of concrete protection for the existing stone wall from St. A0+614 to St. A0+772.5 LHS (50% Complete).
- Start construction of concrete protection for the existing stone wall from St. A0+570 to St. A0+590 RHS (10% Complete).
- Start excavation for box culvert at Sta. A0+590 (10% Complete).
- Start excavation and reinforcement concrete foundation supports for main pipeline in segment D (10% Complete).
- Start excavation of trench, bedding, installation of 250 mm steel pipes and backfill From Sta.A3+850 to Sta.A5+800 (5% Complete).

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 retaining wall from St. A0+129 to St. A0+200 RHS.
- Finish construction of concrete protection for the existing stone wall from St. A0+479 to St. A0+625 LHS.
- 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 excavation for box culvert at Sta. A0+590.
- Finish 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.
- Start installation of 300 mm steel pipes at Segment D From St.D0+000 to St.D0+518
- Start Excavation for road widening and slope cut from St.A3+320 to St.A3+850.
- Start excavation of trench, bedding, installation of 250 mm steel pipes and backfill from St.A3+320 to St.A3+850.
- Start construction of retaining wall from St. A0+526 to St.A0+620 LHS
- Start construction of retaining wall from St. A0+790 to St. A0+990 LHS
- Start construction of retaining wall from St. A0+918 to St. A0+990 RHS
- Start construction of retaining wall from St. A1+422 to St. A1+300 LHS
- Start construction of box culvert at Sta. A0+590.
- Start construction of box culvert at Sta. A0+951.

Please refer to attached time schedule for more details.

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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)	0.072 Km
Target value	16.38 Km
Number of kilometers of pipelines installed through end of this reporting period.	**0.072** 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	24
6	Accumulated Working Days	168
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	6
8	Accumulated non-working days (Holidays and weekends)	31
9	No. of other non-working days during this month**	1
10	Accumulated other non-working days	8

** works stopped due to rainy weather

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 = 2,134 Person-Days (per CMC audit up to May 31, 2014)
- Employment generated this month =1,142 Person-Days (per CMC audit up to May 31, 2014)
- Total cumulative employment (Male and Female) generated to-date= **3,276** Person-Days
- Total cumulative Female employment generated previously= **205** Person-Days (per CMC audit up to May 31, 2014)
- Total Female employment generated during this reporting period= **52** Person-Days
- Total cumulative Female employment generated to-date= **257** Person-Days

Total Person Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Person Days / 23.8)
Generated previously = 2,134 Person-days	Generated previously = 90
During this reporting period = 1,142 Person-days	During this reporting period = 48
Total generated to-date = 3,276 Person-days	Total generated to-date = 138 (rounded to nearest FTE)

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SITE MEMO:

- **See Appendix D** Site Memos log

PROCUREMENT:

On May 12, 2014 delivery of 12" epoxy painted pipes for exposed installation- 536.80 l.m

INSPECTION REQUEST:

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

During this reporting period **89** 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.	89	80	9	74	0	6	0
%		89.9%	10.1%	83.1%	0.0%	6.7%	0.0%

Non Compliance Report Log - NCR -

No NCR's were issued during this reporting period.

QUALITY CONTROL AND TEST RESULTS:

During this reporting period **34** 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.	34	33	1	28	2	1	1	1
%		97.1%	2.9%	82.4%	5.9%	2.9%	2.9%	2.9%

Tests Log summary table during 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	1	1	0	
Soil/ Benching	Slope Stability	1	1	-	
	Field Density Test	7	5	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	1	1		
Concrete	Compressive Strength	22	20	1	1 Pending Submittal
Reinforcement Steel		1	1		

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.	38	35	3	3	17	8	1	6
%		92.1%	7.9%	7.9%	44.7%	21.1%	2.6%	15.8%

RFI:

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

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TRANSMITTALS:

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
May 01, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- March 2014 - Monthly Report- Modified
May 03, 2014	By Email	APCO/ArCon /USAID	24 hour Guard service all TOs
May 13, 2014	By Email	APCO/ArCon /USAID	FW: T.O 15- April 2014 - Monthly Report- Draft
May 13, 2014	By Email	APCO/ArCon /USAID	Reminder: Approval on T.Os 13 and 15 Monthly Reports
May 13, 2014	By Email	APCO/ArCon /USAID	REMINDER: T.O 15- Flyers - Phase 01 of Construction- PR approval- Arabic Version
May 13, 2014	By Email	APCO/ArCon /USAID	Request for Issuing USAID Card
May 15, 2014	By Email	APCO/ArCon /USAID	Certified Welding Inspectors
May 15, 2014	By Email	USAID / APCO/ArCon	Re: Certified Welding Inspectors
May 15, 2014	By Email	USAID / APCO/ArCon	Monthly CO meeting with APCO
May 15, 2014	By Email	USAID / APCO/ArCon	Re: FW: Certified Welding Inspectors
May 15, 2014	By Email	APCO/ArCon /USAID	RE: Certified Welding Inspectors
May 15, 2014	By Email	APCO/ArCon /USAID	T.O 15- CWI Aron Luke
May 15, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- CWI Aron Luke
May 16, 2014	By Email	USAID / APCO/ArCon	CO meeting
May 16, 2014	By Email	APCO/ArCon /USAID	RE: T.O 15- CWI Aron Luke
May 16, 2014	By Email	USAID / APCO/ArCon	RE: T.O 15- CWI Aron Luke
May 16, 2014	By Email	APCO/ArCon /USAID	RE: T.O 15- CWI Aron Luke
May 17, 2014	By Email	USAID / APCO/ArCon	TO 13-00015 NHT: Welding Workshop
May 19, 2014	By Email	USAID / APCO/ArCon	Re: TO 13-00015 NHT: Welding Workshop
May 19, 2014	By Email	USAID / APCO/ArCon	CO Meeting
May 19, 2014	By Email	APCO/ArCon /USAID	RE: CO Meeting Attendees
May 21, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- April 2014 - Monthly Report- Draft
May 22, 2014	By Email	USAID / APCO/ArCon	Concerns with progress on Nahaleen Pipeline TO 13-00015
May 22, 2014	By Email	APCO/ArCon /USAID	RE: T.O 15- April 2014 - Monthly Report- Modified
May 27, 2014	By Email	APCO/ArCon /USAID	REMINDER: T.O 15- Flyers - Phase 01 of Construction- PR approval- Arabic Version
May 27, 2014	By Email	APCO/ArCon /USAID	Reminder: Approval on T.O 15 - February 2014 Monthly Report APCO/ArCon Presentation for CO Meeting
May 28, 2014	By Email	USAID / APCO/ArCon	Request for welder approval documentation
May 29, 2014	By Email	USAID / APCO/ArCon	Re: TO 13-00015 NHT: Accident Investigation Report No. 001- Update
May 29, 2014	By Email	USAID / APCO/ArCon	T.O 15- February 2014 - Monthly Report- COR Approval

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
May 03, 2014	By Email	B&V/APCO/ArCon	TO 13-00015 NHT: Proposed Changes to the road width in Husan village
May 03, 2014	By Email	APCO/ArCon/B&V	Pipe materials all Task Orders
May 04, 2014	By Email	B&V/APCO/ArCon	RE: Pipe materials all Task Orders
May 04, 2014	By Email	APCO/ArCon/B&V	All Task Orders: Traffic Plan Status Update
May 04, 2014	By Email	APCO/ArCon/B&V	RE: Pipe materials all Task Orders
May 05, 2014	By Email	APCO/ArCon/B&V	TO#15 walkthrough for house connection from St. A1+400 to St.3+300
May 05, 2014	By Email	B&V/APCO/ArCon	RE: TO#15 walkthrough for house connection from St. A1+400 to St.3+300
May 10, 2014	By Email	B&V/APCO/ArCon	TO 13-00015 NHT: Progress Meeting #08
May 13, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00015 NHT : Testing Labs Certificates
May 16, 2014	By Email	B&V/APCO/ArCon	TO 13-00015 NHT: Draft MOM #08
May 18, 2014	By Email	APCO/ArCon/B&V	JCB Fax to Beit El
May 18, 2014	By Email	B&V/APCO/ArCon	RE: JCB Fax to Beit El
May 18, 2014	By Email	APCO/ArCon/B&V	RE: JCB Fax to Beit El (correction)
May 19, 2014	By Email	APCO/ArCon/B&V	RE: TO 13-00015 NHT: Welding Workshop
May 19, 2014	By Email	B&V/APCO/ArCon	TO 13-00015 NHT: Final MOM #08
May 20, 2014	By Email	APCO/ArCon/B&V	RE: JCB Fax to Beit El (correction)
May 20, 2014	By Email	B&V/APCO/ArCon	RE: JCB Fax to Beit El (correction)
May 20, 2014	By Email	B&V/APCO/ArCon	RE: All Task Orders: Traffic Plan Status Update
May 20, 2014	By Email	APCO/ArCon/B&V	RE: All Task Orders: Traffic Plan Status Update
May 24, 2014	By Email	B&V/APCO/ArCon	RE: All Task Orders: Traffic Plan Status Update
May 26, 2014	By Email	APCO/ArCon/B&V	Aggregate filled Bags as Barriers
May 27, 2014	By Email	APCO/ArCon/B&V	percentages of completion (planned vs. actual)
May 27, 2014	By Email	B&V/APCO/ArCon	RE: Aggregate filled Bags as Barriers
May 27, 2014	By Email	APCO/ArCon/B&V	TO#15 NHT using of mini steel guard instead of concrete barriers in pipe line work
May 29, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00015 NHT: Project delays
May 29, 2014	By Email	B&V/APCO/ArCon	TO 13-00015 NHT: Traffic Control Plan for segment A & B
May 29, 2014	By Email	B&V/APCO/ArCon	RE: TO 13-00015 NHT: Project delays

USAID FROM THE AMERICAN PEOPLE | WEST BANK/GAZA

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	Not received yet	
Total		**$697,469.33**	**$0.00**	**$ 616,905.60**	
APCO/ArCon total accrued expenditures		**$ 181,736.40**			

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.
No Variation Order requests were issued during this reporting period.				

OBSTACLES AND CHALLENGES

Issue	Action
DCL approval for segment B traffic plan from St. B0+000 to St. B0+980.	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 is working on modified Traffic Plan to be submitted to DCL for their approval.
Delay in work progress due to the absence of Certified Welding Inspector.	APCO/ArCon submitted a replacement resume for USAID COR approval, approval was received on March 27th. CWI arrived on May 27, 2014. Issue resolved and water pipeline installation started.

USAID | WEST BANK/GAZA

PROGRESS PHOTOS:

Traffic Control Plan measures implemented prior starting 10" pipe installation From Sta.A4+000 to Sta.A4+150 (Seg. A)

10" pipeline installation From Sta.A3+870 to Sta.A3+960 (Seg. A)

Backfilling Layers Behind R.Wall from Sta. A0+125 to Sta. A0+205 (Seg. A)

Excavation, Plain Concrete and formwork for reinforcement concrete foundation supports for main pipeline in segment D

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/May, 2014

Date	Grader Cat, G12, H140		Bob Cat		Wheel roller		Wheel Loader 950 H		Pneumatic Asphalt Roller		JCB		Welding Machine		Truck ,valavo		WATER TANK 10M3		Asphalt Steel Roller		chain loader		chain excavator		Asphalt Finisher		lorry,Marceds(Beze 519),2012		concrete pump		concrete mixer		Asphalt Cutting Machine	
	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle	Quantity in use	Quantity idle
1-May				1	1		1					2					1				1		1				1							
2-May				1		1		1				2						1				1		1										
3-May	1			1	1		1					1			1		1				1		1				1							
4-May	1			1	1		1					1			1		1				1		1				1							
5-May	1			1	1		1					1			2		1				1		1				1		1		1			
6-May	1			1	1		1					1			2		1				1		1				1							
7-May	1			1	1		1					1			2		1				1		1				1							
8-May		1		1		1		1				1						1				1		1										
9-May		1		1		1		1				1						1				1		1										
10-May	1			1	1		1					1				2	1					1		1										
11-May	1			1	1		1				2	1			3		1				1		1				1							
12-May	1			1	1		1				1	1			2		1				1		1				1							
13-May	1			1	1		1				1	1			2		1				1		1				1		1		6			
14-May	1			1	1		1				1	1			2		1				1		1				1		1		2			
15-May	1			1	1		1				1	1			2		1				1		1				1							
16-May		1		1		1		1				2				2		1				1		1										
17-May	1			1	1		1				1	1			1		1				1		1				1		1		3			
18-May	1			1	1		1				1	1			1		1				1		1				1		1		2			
19-May		1		1		1	1				1	1					1					1	1				1		1		2			
20-May		1		1		1	1				1	1					1						1				1				1			
21-May		1		1			1				1	1			2		1						1	1			1		1		2			
22-May		1		1		1	1				1	1			1		1					1	1				1							
23-May		1		1		1		1				3						1				1		1										
24-May		1		1		1	1				2	1			1		1				1		1				1		1		2			
25-May		1		1		1	1				2	1				1	1					1		1					1		2			
26-May		1	1			1		1			3						1							1					1		4			
27-May		1		1	1		1				3						1						1						1		3			
28-May		1	1			1	1				4				1		1				1		1						1		2			
29-May		1		1		1		1			2	1					1							2										
30-May		1		1		1		1				3						1						2										
31-May		1	1			1	1				3		1		2	1	1					1		1					1		4			

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

Title: Materials Receiving Log/May 2014

Date	Material Delivered to Site	Quantity	Location
1-May			
2-May			
3-May	Stone for stone wall	45 m3	Stone wall protection in Sta.A 0+640 at RHS
	Concrete B 250	26 m3	Retaining wall from Sta.A 0+144 to Sta.A 0+157 at RHS
4-May	Stone for stone wall	30 m3	Station 0+640 at RHS- segment A
5-May	Stone for stone wall	45 m3	Station 0+640 at RHS- segment A
	Concrete B 250	10.5 m3	Stem of retaining wall - segment A
6-May			
7-May			
8-May			
9-May			
10-May			
11-May	Single size	210 ton	From Sta.E 1+100 to Sta.E 1+116 at LHS
12-May			
13-May	Concrete B 250	53 m3	Stem of retaining wall - segment A & Stone wall protection -segment A
	Single size	30 ton	Station 0+710 at RHS- segment A
14-May	Concrete B 250	18.05 m3	One side shutter of concrete protection-segment A
	12 inch steel pipes with external epoxy coated	536.80 LM	Storage Yard
	12 inch shrinkable sheet	44.00 piece	Storage Yard
15-May			
16-May			
17-May	Concrete B 250	20 m3	One side shutter of concrete protection-segment A
18-May	concrete B 250	16.5 m3	One side shutter of concrete protection-segment A
	Reinforcement steel	11 ton	From Sta.A 0+614 to Sta.A 0+680 at LHS
	2 inch Galvanized steel pipe(GSP)	1500 LM	Storage Yard
19-May	concrete B 250	17 m3	One side shutter of stone wall protection
20-May	concrete B 250	5.5 m3	Stone wall protection - segment A
21-May	concrete B 250	14.5 m3	Stone wall protection - segment A
22-May			
23-May			
24-May	concrete B 250	17.5 m3	Stone wall protection - segment A
25-May	concrete B 250	18 m3	Stone wall protection- segment A
26-May	concrete B 250	30 m3	One side shutter of stone wall protection- segment A
	concrete B 150	4 m3	Concrete support for water pipeline from Sta.D 0+000 to Sta.D 0+512
27-May	concrete B 250	24 m3	One side shutter of stone wall protection - segment A
28-May	concrete B 250	18 m3	One side shutter of stone wall protection - segment A
29-May	Single size	120 ton	Water pipeline (Stockpile)
	Somsom	160 ton	Water pipeline (Stockpile)
30-May			
31-May	Concrete B 250	30 m3	One side shutter of stone wall protection-segment A
	Single size	210 ton	Water pipeline (Stockpile)
	Somsom	120 ton	Water pipeline (Stockpile)

B | Detailed Time Schedule for the Project

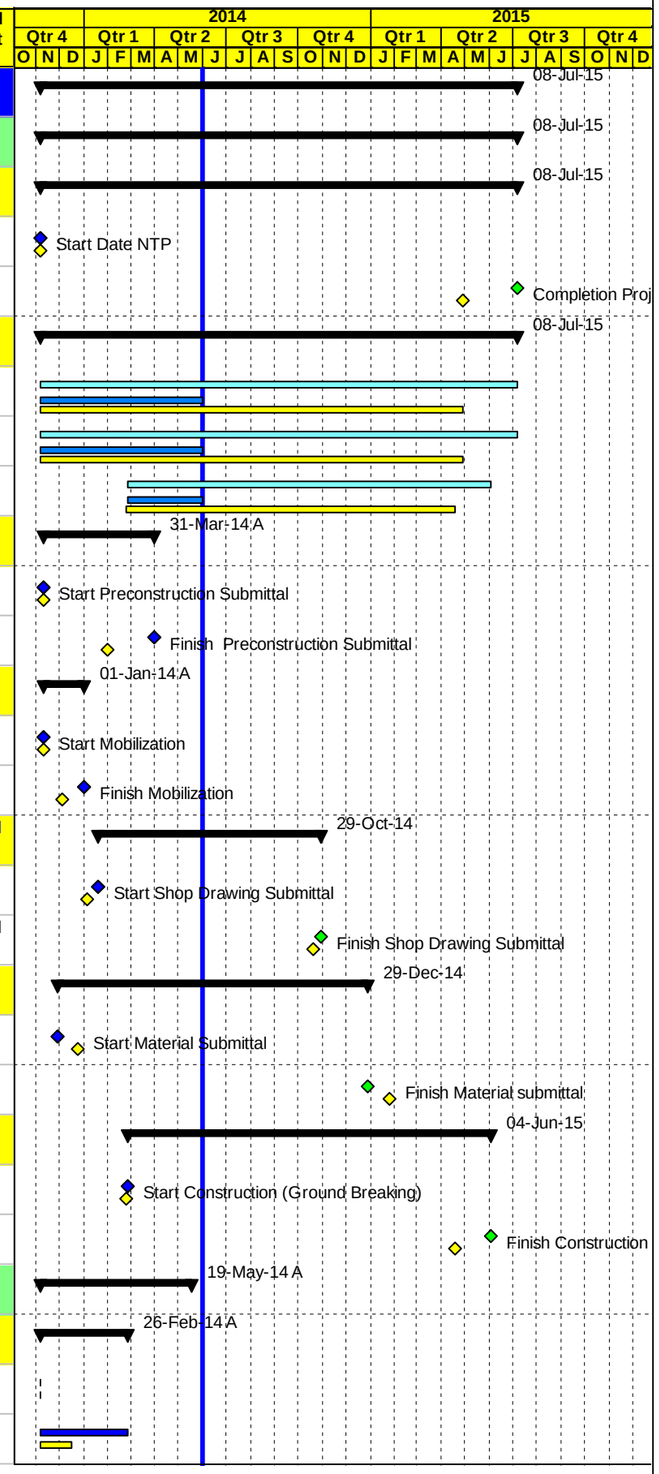
APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

May 31, 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		609d		402d	06-Nov-13	29-Apr-15	06-Nov-13 A	08-Jul-15	-70d
Milestones		609d		402d	06-Nov-13	29-Apr-15	06-Nov-13 A	08-Jul-15	-70d
General Milestones		609d		0d	06-Nov-13	29-Apr-15	06-Nov-13 A	08-Jul-15	-70d
NHT0000	Start Date NTP	0d	100%	0d	06-Nov-13		06-Nov-13 A		
NHT0010	Completion Project	0d	0%	0d		29-Apr-15		08-Jul-15	-70d
Task order Duration		539d		402d	06-Nov-13	28-Apr-15	06-Nov-13 A	08-Jul-15	-70d
NHT0020	Project Duration (Calendar Days)	539d	25.38%	402d	06-Nov-13	28-Apr-15	06-Nov-13 A	08-Jul-15	-70d
NHT0030	Project Duration (Working Days)	415d	24.32%	314d	06-Nov-13	28-Apr-15	06-Nov-13 A	08-Jul-15	-60d
NHT0040	Construction Duration (Working Days)	326d	12.57%	285d	23-Feb-14	19-Apr-15	26-Feb-14 A	04-Jun-15	-39d
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		365d		0d	23-Feb-14	19-Apr-15	26-Feb-14 A	04-Jun-15	-39d
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		04-Jun-15	-39d
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	



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
01-Jul-14			

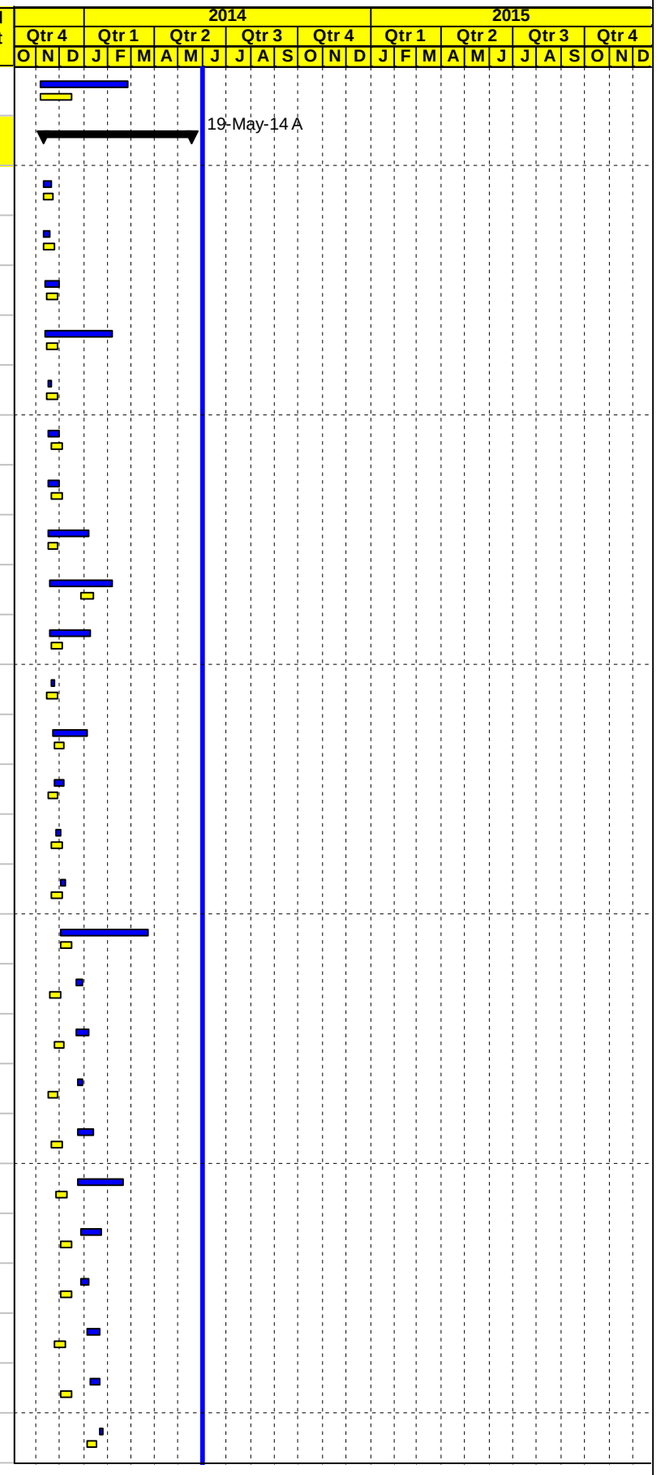
APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

May 31, 2014

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
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	
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	



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

Date	Revision	Checked	Approved
01-Jul-14			

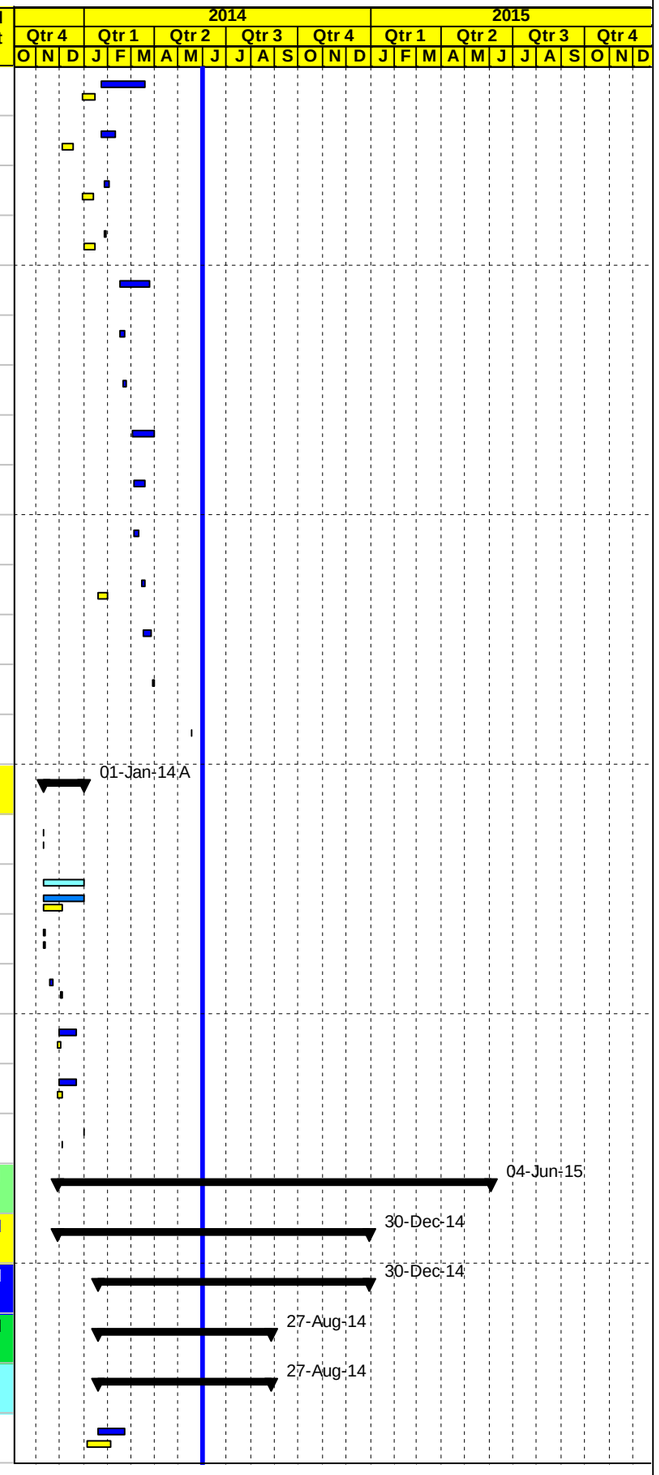
APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

May 31, 2014

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
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	
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		575d		368d	24-Dec-13	21-Apr-15	28-Nov-13 A	04-Jun-15	-36d
Construction Submittals		419d		212d	24-Dec-13	25-Jan-15	28-Nov-13 A	30-Dec-14	120d
Shop Drawing Submittals		419d		212d	06-Jan-14	19-Oct-14	20-Jan-14 A	30-Dec-14	120d
Plan Profile and Cross Sections		224d		63d	06-Jan-14	15-May-14	20-Jan-14 A	27-Aug-14	167d
Plan Profile and Cross Sections for Group One		180d		63d	06-Jan-14	21-Apr-14	20-Jan-14 A	27-Aug-14	39d
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	



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

Date	Revision	Checked	Approved
01-Jul-14			

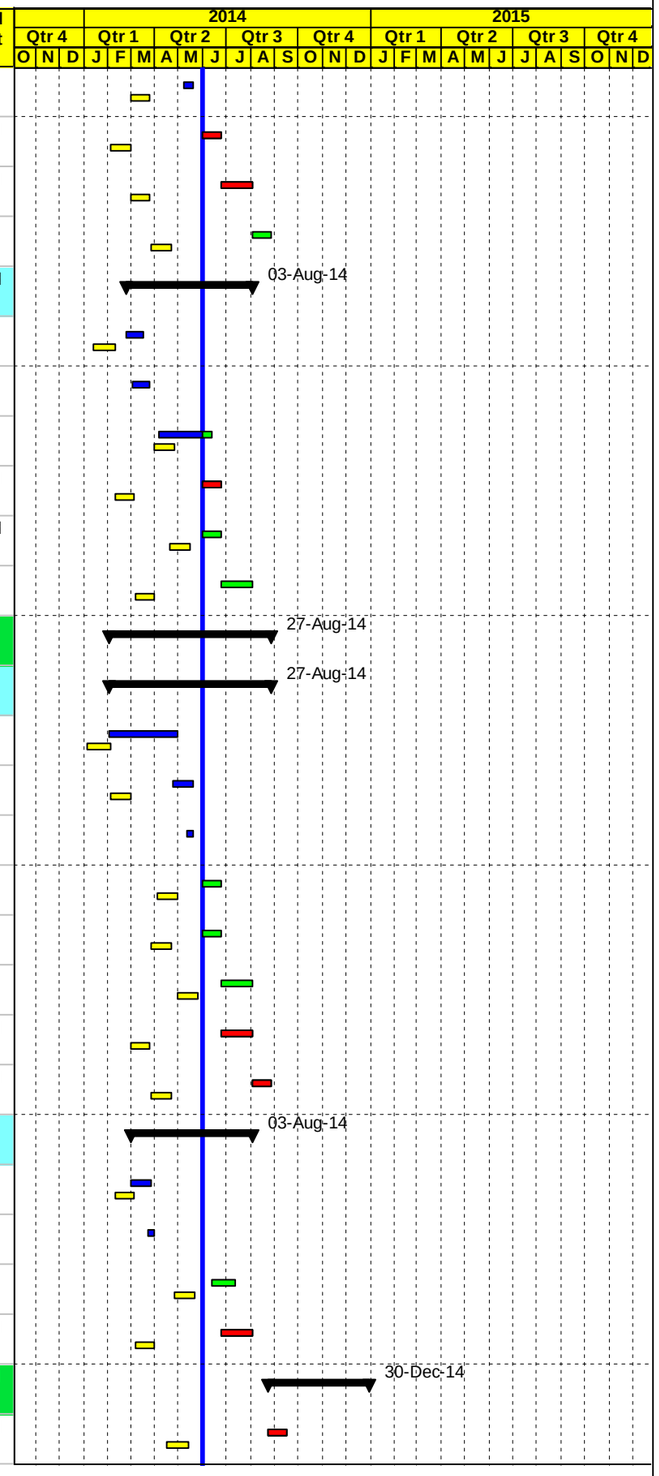
APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

May 31, 2014

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
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-Jun-14	24-Jun-14	-35d
NHT0620	Seg.C From sta.C0+000 to C0+330	21d	0%	21d	02-Mar-14	26-Mar-14	25-Jun-14	03-Aug-14	-15d
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	03-Aug-14	27-Aug-14	39d
Plan Profile and Cross Sections for Group Two		203d		42d	13-Jan-14	15-May-14	24-Feb-14 A	03-Aug-14	188d
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	50%	11d	01-Apr-14	26-Apr-14	06-Apr-14 A	12-Jun-14	50d
NHT0660	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	21d	10-Feb-14	05-Mar-14	01-Jun-14	24-Jun-14	-15d
NHT0690	Access Roads	21d	0%	21d	21-Apr-14	15-May-14	01-Jun-14	24-Jun-14	209d
NHT0670	SEG.A From Sta. 7+460 to Sta. A8+203	21d	0%	21d	08-Mar-14	31-Mar-14	25-Jun-14	03-Aug-14	86d
Waterline		224d		63d	06-Jan-14	25-May-14	02-Feb-14 A	27-Aug-14	19d
Waterline for Group One		180d		63d	06-Jan-14	25-May-14	02-Feb-14 A	27-Aug-14	-2d
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	
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	
NHT0710-new	50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300	21d	100%	0d			12-May-14 A	20-May-14 A	
NHT0730	100 mm Dia. Waterline for Hussan distribution pipe	21d	0%	21d	05-Apr-14	29-Apr-14	01-Jun-14	24-Jun-14	19d
NHT0720	300 mm, 75 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+320 to Sta.A2+190	21d	0%	21d	27-Mar-14	21-Apr-14	01-Jun-14	24-Jun-14	12d
NHT0735	150 mm Dia. Waterline for Battir distribution pipe	21d	0%	21d	30-Apr-14	25-May-14	25-Jun-14	03-Aug-14	19d
NHT0715	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440	21d	0%	21d	02-Mar-14	26-Mar-14	25-Jun-14	03-Aug-14	-35d
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	03-Aug-14	27-Aug-14	-15d
Waterline for Group Two		203d		32d	10-Feb-14	21-May-14	02-Mar-14 A	03-Aug-14	40d
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	0%	21d	27-Apr-14	21-May-14	12-Jun-14	12-Jul-14	50d
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	25-Jun-14	03-Aug-14	-15d
House connection		99d		99d	17-Apr-14	27-Aug-14	24-Aug-14	30-Dec-14	-35d
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	24-Aug-14	17-Sep-14	-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

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APCO/ArCon CONSTRUCTION AND SERVICES

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TO15
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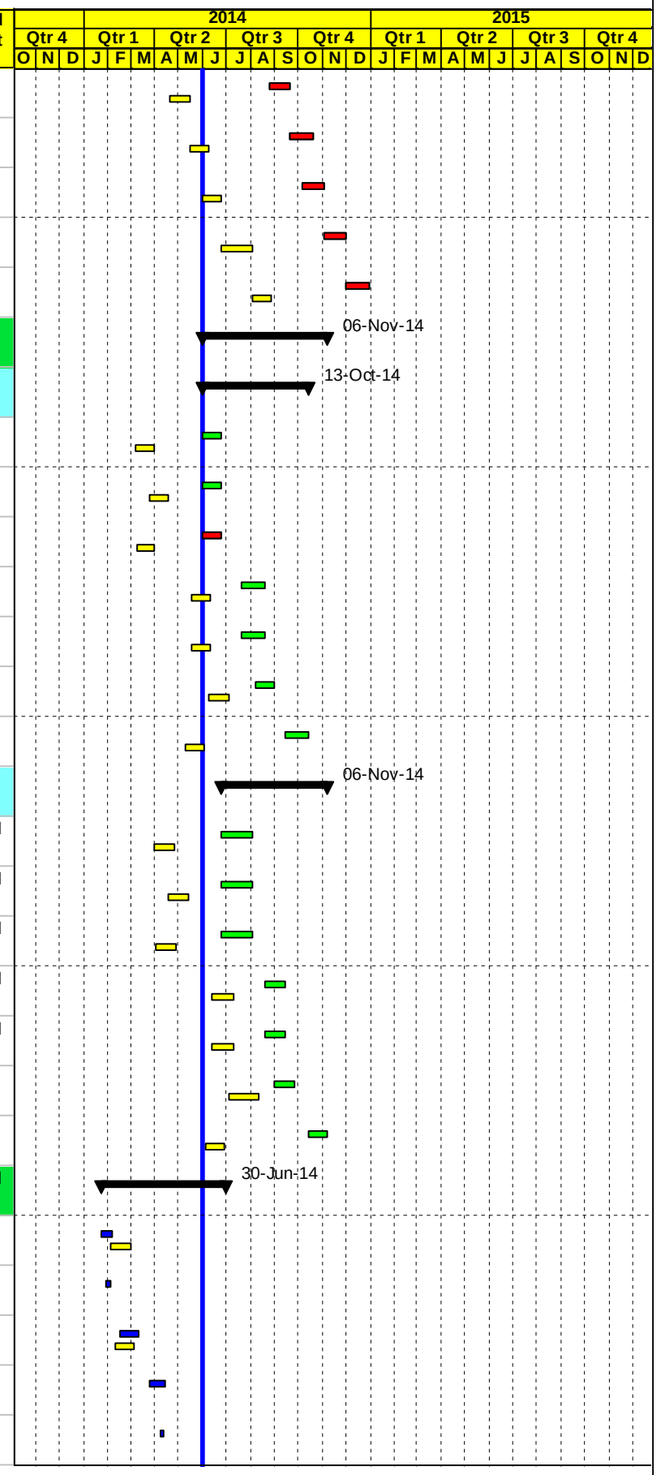
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT0760	Water meters and house connection Segment A from St. 5+400 to St. 8+200	21d	0%	21d	21-Apr-14	15-May-14	26-Aug-14	20-Sep-14	-35d
NHT0765	Water meters and house connection Segment C	21d	0%	21d	17-May-14	09-Jun-14	20-Sep-14	19-Oct-14	-35d
NHT0770	Water meters and house connection Battir distribution	21d	0%	21d	01-Jun-14	24-Jun-14	05-Oct-14	03-Nov-14	-35d
NHT0775	Water meters and house connection Segment B	21d	0%	21d	25-Jun-14	03-Aug-14	03-Nov-14	30-Nov-14	-35d
NHT0780	Water meters and house connection Hussan distribution pipe	21d	0%	21d	03-Aug-14	27-Aug-14	30-Nov-14	30-Dec-14	-35d
Valves		120d		120d	08-Mar-14	11-Aug-14	01-Jun-14	06-Nov-14	67d
Civil Chambers		99d		99d	08-Mar-14	05-Jul-14	01-Jun-14	13-Oct-14	67d
NHT0805	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	08-Mar-14	31-Mar-14	01-Jun-14	24-Jun-14	1d
NHT0815	Flow monitoring chamber @ sta. A5+725	21d	0%	21d	25-Mar-14	17-Apr-14	01-Jun-14	24-Jun-14	31d
NHT0810	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	21d	09-Mar-14	01-Apr-14	01-Jun-14	24-Jun-14	-43d
NHT0825	Hussan Connection chamber @ Sta.A7+390	21d	0%	21d	19-May-14	11-Jun-14	20-Jul-14	20-Aug-14	69d
NHT0830	Battir Connection chamber @ Sta.A7+410	21d	0%	21d	19-May-14	11-Jun-14	20-Jul-14	20-Aug-14	70d
NHT0835	Wadi Fukin connection chamber @sta. B0+957	21d	0%	21d	09-Jun-14	05-Jul-14	07-Aug-14	01-Sep-14	78d
NHT0820	Nahaleen connection chamber @ st. C0+320	21d	0%	21d	11-May-14	03-Jun-14	14-Sep-14	13-Oct-14	67d
Mechanical		99d		99d	01-Apr-14	11-Aug-14	25-Jun-14	06-Nov-14	67d
NHT0840	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	21d	01-Apr-14	26-Apr-14	25-Jun-14	03-Aug-14	145d
NHT0850	Flow monitoring chamber @ sta. A5+725	21d	0%	21d	19-Apr-14	14-May-14	25-Jun-14	03-Aug-14	145d
NHT0845	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	21d	02-Apr-14	27-Apr-14	25-Jun-14	03-Aug-14	145d
NHT0860	Hussan Connection chamber @ Sta.A7+390	21d	0%	21d	12-Jun-14	10-Jul-14	20-Aug-14	14-Sep-14	109d
NHT0865	Battir Connection chamber @ Sta.A7+410	21d	0%	21d	12-Jun-14	10-Jul-14	20-Aug-14	14-Sep-14	109d
NHT0868	Wadi Fukin connection chamber @sta. B0+957	21d	0%	21d	05-Jul-14	11-Aug-14	01-Sep-14	25-Sep-14	99d
NHT0855	Nahaleen connection chamber @ st. C0+320	21d	0%	21d	04-Jun-14	29-Jun-14	13-Oct-14	06-Nov-14	67d
Concrete walls		236d		29d	04-Feb-14	27-Mar-14	23-Jan-14 A	30-Jun-14	303d
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	



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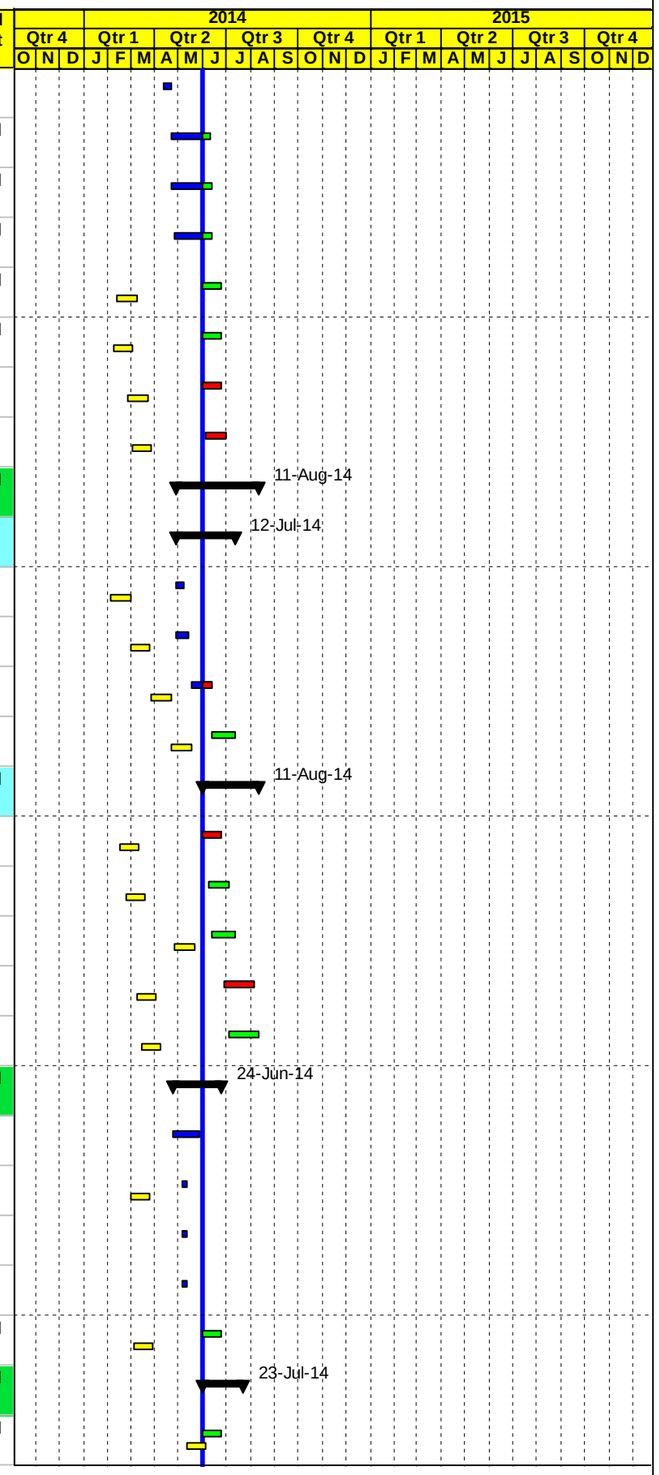
NHT0943-NEW	Retaining Wall from Sta.0+790 to Sta.0+835 LHS	21d	100%	0d			13-Apr-14 A	22-Apr-14 A	
NHT0892-NEW	Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS	21d	50%	11d			22-Apr-14 A	11-Jun-14	322d
NHT0993-NEW	Retaining Walls From Sta.B0+471-B0+493.6 LHS&From Sta.B0+506.35-B0+522 LHS & From Sta.B0+523 To B0+529 RHS	21d	50%	11d			22-Apr-14 A	12-Jun-14	243d
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	50%	11d			26-Apr-14 A	12-Jun-14	243d
NHT0900	Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	21d	0%	21d	12-Feb-14	09-Mar-14	01-Jun-14	24-Jun-14	233d
NHT0880	Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	21d	0%	21d	08-Feb-14	03-Mar-14	01-Jun-14	24-Jun-14	156d
NHT0930	Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	21d	0%	21d	26-Feb-14	23-Mar-14	01-Jun-14	24-Jun-14	-41d
NHT0940	Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	21d	0%	21d	03-Mar-14	27-Mar-14	05-Jun-14	30-Jun-14	-36d
Pipe and Box Culverts		49d		49d	04-Feb-14	21-May-14	28-Apr-14 A	11-Aug-14	101d
Pipe and Box Culverts for Group One		42d		32d	04-Feb-14	17-May-14	28-Apr-14 A	12-Jul-14	28d
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	08-May-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	50%	11d	27-Mar-14	21-Apr-14	19-May-14 A	12-Jun-14	-17d
NHT0990	1.5x15m Box box culvert @ Sta.A2+225	21d	0%	21d	22-Apr-14	17-May-14	12-Jun-14	12-Jul-14	28d
Pipe and Box Culverts for Group Two		49d		49d	16-Feb-14	21-May-14	01-Jun-14	11-Aug-14	101d
NHT1015	Dia.1000 mm of double pipe culvert @ Sta.A5+469	21d	0%	21d	16-Feb-14	12-Mar-14	01-Jun-14	24-Jun-14	-36d
NHT1030	Dia.800 mm of pipe culvert @ Sta.A6+198 with outlet	21d	0%	21d	24-Feb-14	20-Mar-14	09-Jun-14	05-Jul-14	21d
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	0%	21d	27-Apr-14	21-May-14	12-Jun-14	12-Jul-14	118d
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	28-Jun-14	05-Aug-14	-11d
NHT1050	600 mm Dia outfall for hussan @ st.A6+570 & A7+172	21d	0%	21d	16-Mar-14	08-Apr-14	05-Jul-14	11-Aug-14	77d
Stone Walls		60d		21d	01-Mar-14	30-Mar-14	24-Apr-14 A	24-Jun-14	143d
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-Jun-14	24-Jun-14	143d
Concrete curbstone and side walk		38d		38d	06-May-14	10-Jun-14	01-Jun-14	23-Jul-14	173d
NHT1100	SEG.E From Sta. E0+000 to Sta.E1+276	21d	0%	21d	12-May-14	04-Jun-14	01-Jun-14	24-Jun-14	164d



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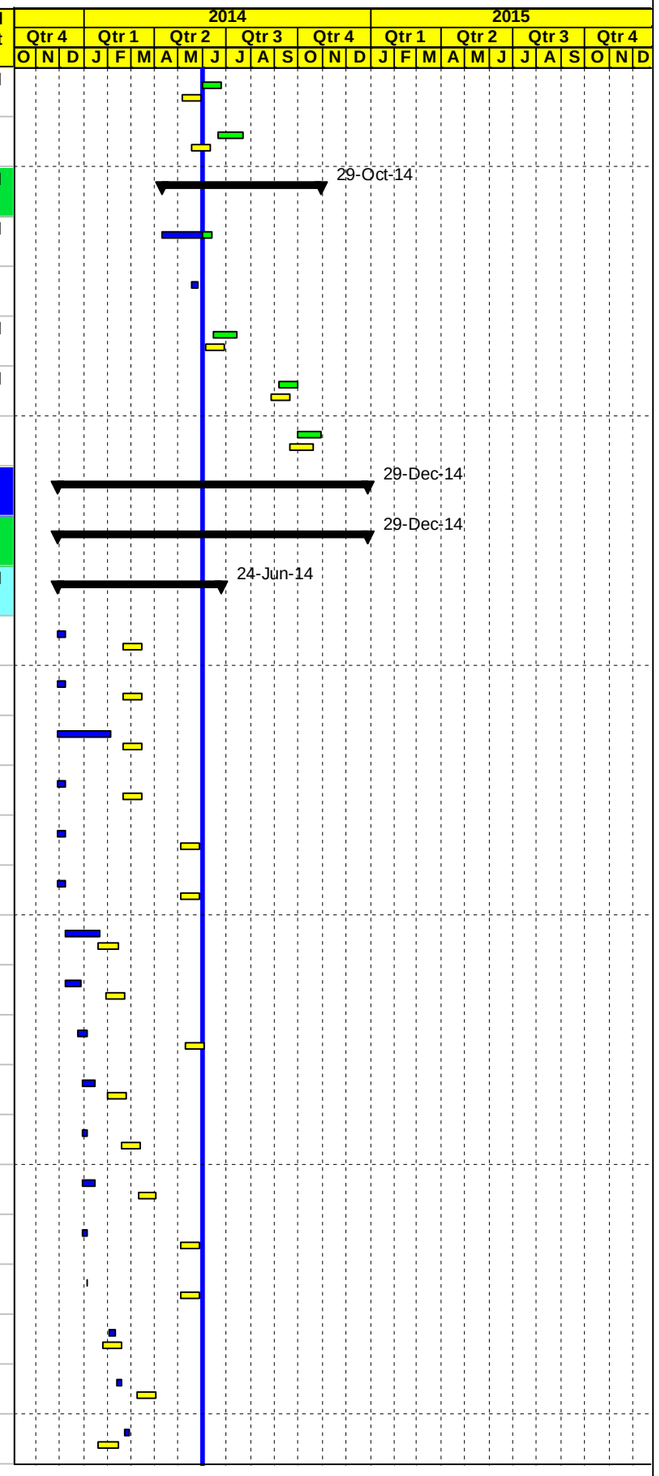
NHT1090	SEG.B From Sta. B0+000 to Sta. B0+985	21d	0%	21d	06-May-14	29-May-14	01-Jun-14	24-Jun-14	190d
NHT1110	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	21d	18-May-14	10-Jun-14	21-Jun-14	23-Jul-14	51d
Others		152d		113d	04-Jun-14	19-Oct-14	10-Apr-14 A	29-Oct-14	141d
NHT1150-new	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	21d	50%	11d			10-Apr-14 A	12-Jun-14	243d
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	15-Jun-14	14-Jul-14	182d
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		158d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		319d		158d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Material Submittals Roads		142d		21d	19-Jan-14	19-Jun-14	28-Nov-13 A	24-Jun-14	233d
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	
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	



Project Baseline Bar
Level of effort Baseline
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Baseline Milestone
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Milestone Actual
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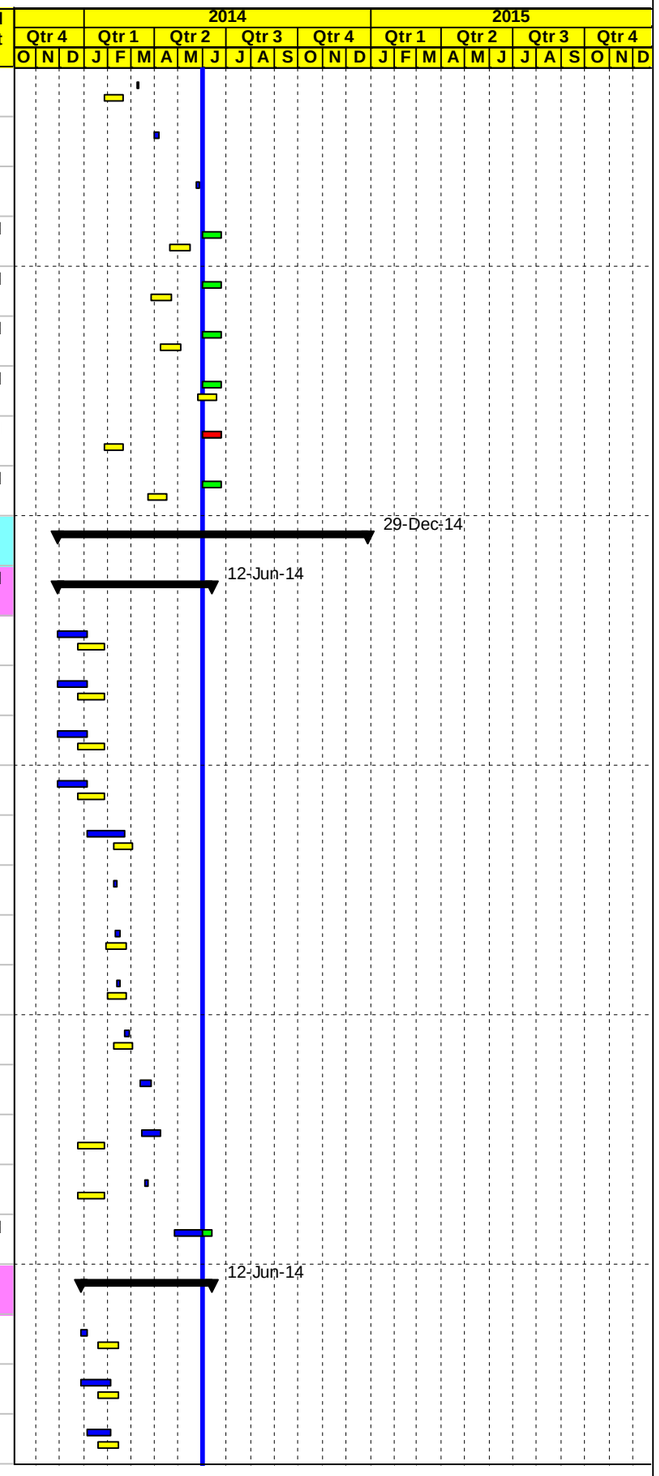
NHT1210	Precast Concrete Manholes and catch basin	21d	100%	0d	26-Jan-14	19-Feb-14	09-Mar-14 A	12-Mar-14 A	
NHT1411-new	Concrete curing compound material	21d	100%	0d			01-Apr-14 A	06-Apr-14 A	
NHT1412-new	Joint Sealant Material	21d	100%	0d			24-May-14 A	28-May-14 A	
NHT1350	Galvanized steel Handrail	21d	0%	21d	21-Apr-14	15-May-14	01-Jun-14	24-Jun-14	210d
NHT1330	Street Lighting including poles	21d	0%	21d	27-Mar-14	21-Apr-14	01-Jun-14	24-Jun-14	162d
NHT1340	Interlocking Blocks	21d	0%	21d	08-Apr-14	04-May-14	01-Jun-14	24-Jun-14	233d
NHT1410	Lighting control	21d	0%	21d	27-May-14	19-Jun-14	01-Jun-14	24-Jun-14	162d
NHT1220	Water proofing	21d	0%	21d	26-Jan-14	19-Feb-14	01-Jun-14	24-Jun-14	-32d
NHT1323	Geocell	21d	0%	21d	24-Mar-14	16-Apr-14	01-Jun-14	24-Jun-14	233d
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling		319d		158d	24-Dec-13	25-Jan-15	28-Nov-13 A	29-Dec-14	96d
Pipes		143d		11d	24-Dec-13	03-Mar-14	28-Nov-13 A	12-Jun-14	243d
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	50%	11d			26-Apr-14 A	12-Jun-14	243d
Fittings		36d		11d	24-Dec-13	13-Feb-14	29-Dec-13 A	12-Jun-14	95d
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	



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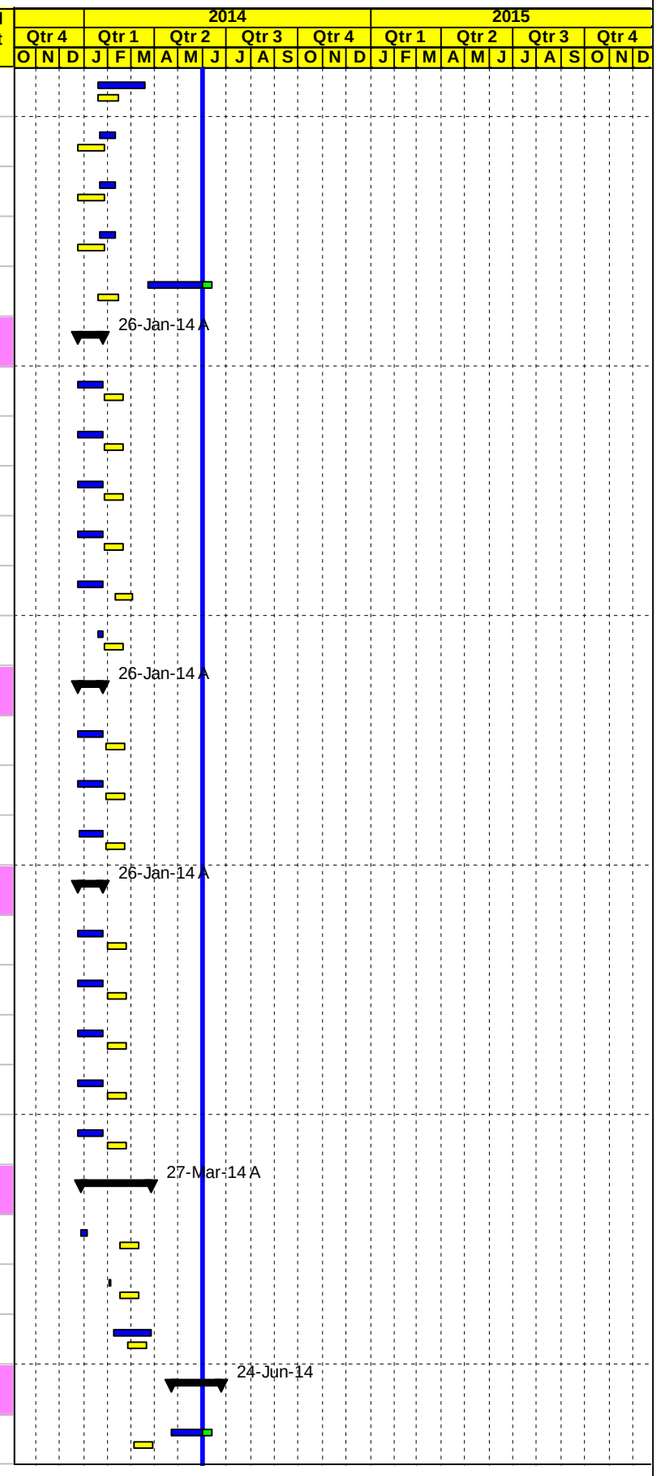
NHT1560	Gaskets	21d	100%	0d	19-Jan-14	13-Feb-14	20-Jan-14 A	20-Mar-14 A	
NHT1520	Steel Elbows	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1530	Steel Tees	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1540	Steel reducers	21d	100%	0d	24-Dec-13	26-Jan-14	21-Jan-14 A	10-Feb-14 A	
NHT1570	Bolts ,washers & nuts	21d	50%	11d	19-Jan-14	13-Feb-14	24-Mar-14 A	12-Jun-14	95d
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		60d		21d	05-Mar-14	14-Apr-14	22-Apr-14 A	24-Jun-14	84d
NHT1770	Water meters PN40 at 200mm pipe line	21d	50%	11d	05-Mar-14	30-Mar-14	22-Apr-14 A	12-Jun-14	95d



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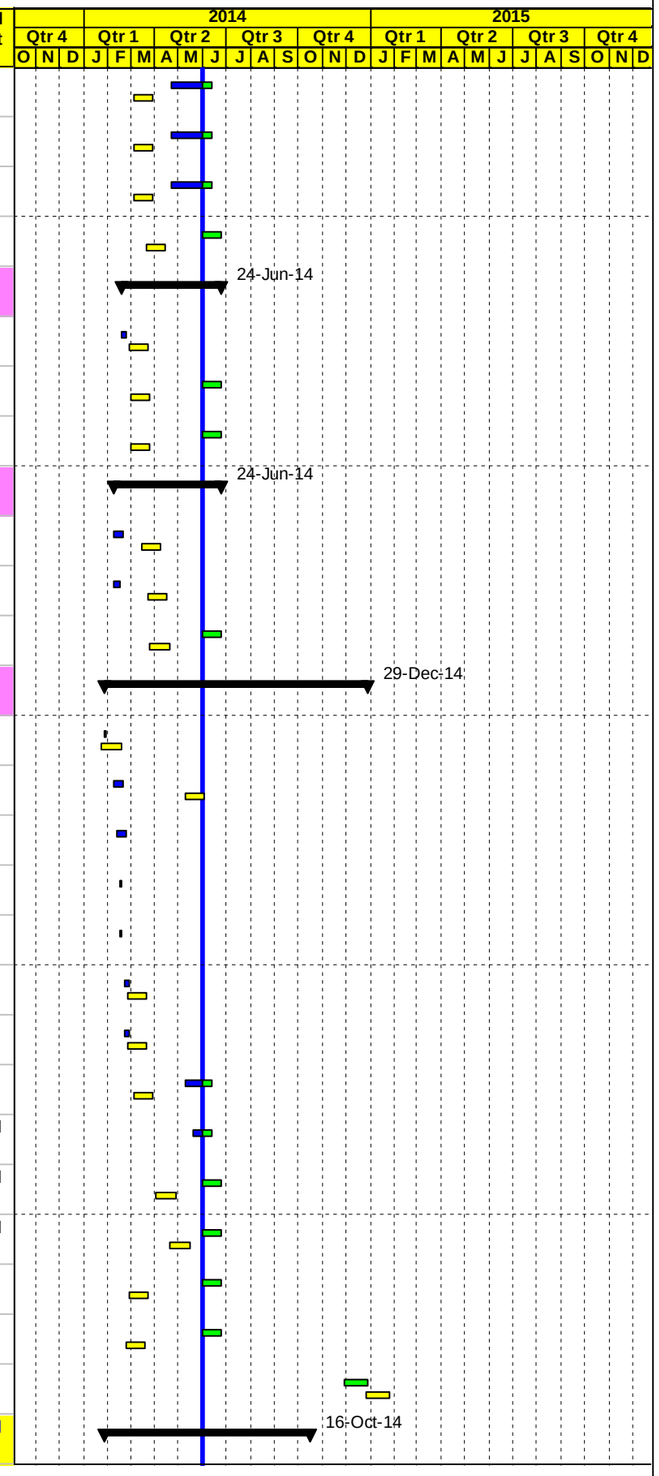
NHT1780	Water meters PN16 at 150mm pipe line	21d	50%	11d	05-Mar-14	30-Mar-14	22-Apr-14 A	12-Jun-14	95d
NHT1790	Water meters PN16 at 200mm pipe line	21d	50%	11d	05-Mar-14	30-Mar-14	22-Apr-14 A	12-Jun-14	95d
NHT1800	Water meters PN25 at 100 mm pipe line	21d	50%	11d	05-Mar-14	30-Mar-14	22-Apr-14 A	12-Jun-14	95d
NHT1802	Water meter (prepaid)	21d	0%	21d	22-Mar-14	14-Apr-14	01-Jun-14	24-Jun-14	84d
Manholes and chambers		98d		21d	27-Feb-14	26-Mar-14	18-Feb-14 A	24-Jun-14	84d
NHT1820	Manhole Cover and Frame.	21d	100%	0d	27-Feb-14	24-Mar-14	18-Feb-14 A	24-Feb-14 A	
NHT1830	Ladders steps	21d	0%	21d	01-Mar-14	25-Mar-14	01-Jun-14	24-Jun-14	84d
NHT1840	Holding Jacks	21d	0%	21d	02-Mar-14	26-Mar-14	01-Jun-14	24-Jun-14	84d
Control Valves		85d		21d	16-Mar-14	19-Apr-14	09-Feb-14 A	24-Jun-14	84d
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-Jun-14	24-Jun-14	84d
Others		264d		158d	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	10-May-14 A	12-Jun-14	95d
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	12-Jun-14	243d
NHT1960	Floor Boxes	21d	0%	21d	02-Apr-14	27-Apr-14	01-Jun-14	24-Jun-14	166d
NHT1970	Electrical Tests and Commissioning	21d	0%	21d	21-Apr-14	15-May-14	01-Jun-14	24-Jun-14	166d
NHT1940	Air Ventilation Pipes	21d	0%	21d	27-Feb-14	24-Mar-14	01-Jun-14	24-Jun-14	84d
NHT1910	Epoxy Coating	21d	0%	21d	24-Feb-14	20-Mar-14	01-Jun-14	24-Jun-14	84d
NHT1990	Spare Parts	21d	0%	21d	27-Dec-14	25-Jan-15	29-Nov-14	29-Dec-14	96d
Procurements		262d		113d	27-Jan-14	19-Aug-14	27-Jan-14 A	16-Oct-14	167d



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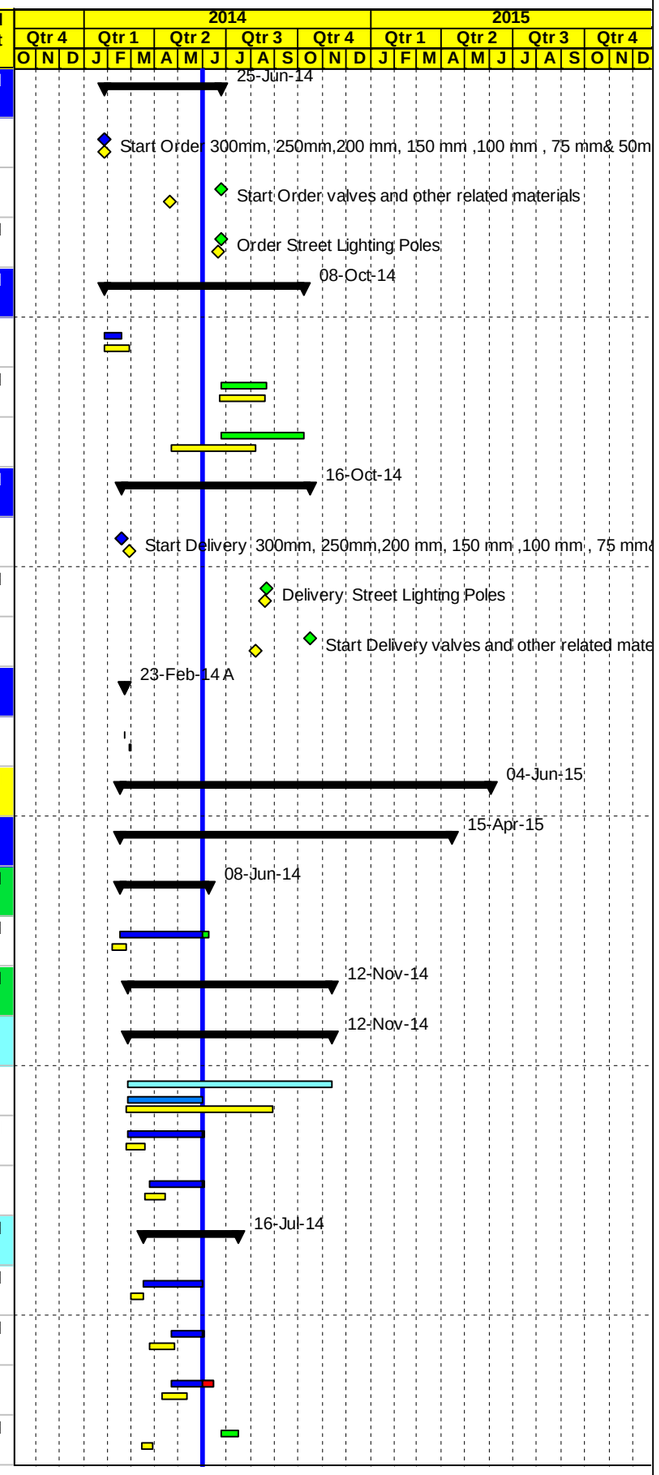
Order		124d		0d	27-Jan-14	21-Jun-14	27-Jan-14 A	25-Jun-14	162d
NHT2000	Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings	0d	100%	0d	27-Jan-14		27-Jan-14 A		
NHT2010	Start Order valves and other related materials	0d	0%	0d	21-Apr-14		25-Jun-14		84d
NHT2020	Order Street Lighting Poles	0d	0%	0d	21-Jun-14		25-Jun-14		162d
Manufacturing		207d		89d	27-Jan-14	19-Aug-14	27-Jan-14 A	08-Oct-14	137d
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	25-Jun-14	22-Aug-14	176d
NHT2040	Valves and other related materials	89d	0%	89d	22-Apr-14	07-Aug-14	25-Jun-14	08-Oct-14	93d
Delivery		153d		39d	28-Feb-14	19-Aug-14	19-Feb-14 A	16-Oct-14	137d
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		22-Aug-14	176d
NHT2070	Start Delivery valves and other related materials	0d	0%	0d	08-Aug-14		16-Oct-14		93d
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		483d		368d	05-Feb-14	21-Apr-15	16-Feb-14 A	04-Jun-15	-36d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		433d		318d	05-Feb-14	01-Feb-15	16-Feb-14 A	15-Apr-15	14d
Implementation traffic control and safety plan		14d		7d	05-Feb-14	23-Feb-14	16-Feb-14 A	08-Jun-14	247d
NHT2505	Implementation traffic control and safety plan	14d	50%	7d	05-Feb-14	23-Feb-14	16-Feb-14 A	08-Jun-14	247d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		261d		164d	23-Feb-14	30-Aug-14	26-Feb-14 A	12-Nov-14	131d
Safety and Excavation		145d		125d	23-Feb-14	30-Aug-14	26-Feb-14 A	12-Nov-14	98d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	125d	23-Feb-14	30-Aug-14	26-Feb-14 A	12-Nov-14	98d
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-Jun-14	-62d
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	03-Jun-14	-6d
Concrete Wall Crew one		84d		34d	02-Mar-14	12-May-14	17-Mar-14 A	16-Jul-14	186d
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	01-Jun-14	177d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	90%	3d	26-Mar-14	26-Apr-14	22-Apr-14 A	03-Jun-14	217d
NHT2590	Construct R.Concrete Retaining wall from Sta. A0+625 to A0+770 LHS (145 LM)	26d	50%	13d	10-Apr-14	12-May-14	22-Apr-14 A	15-Jun-14	-2d
NHT2570	Construct R.Concrete Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	13d	0%	13d	15-Mar-14	29-Mar-14	25-Jun-14	16-Jul-14	156d



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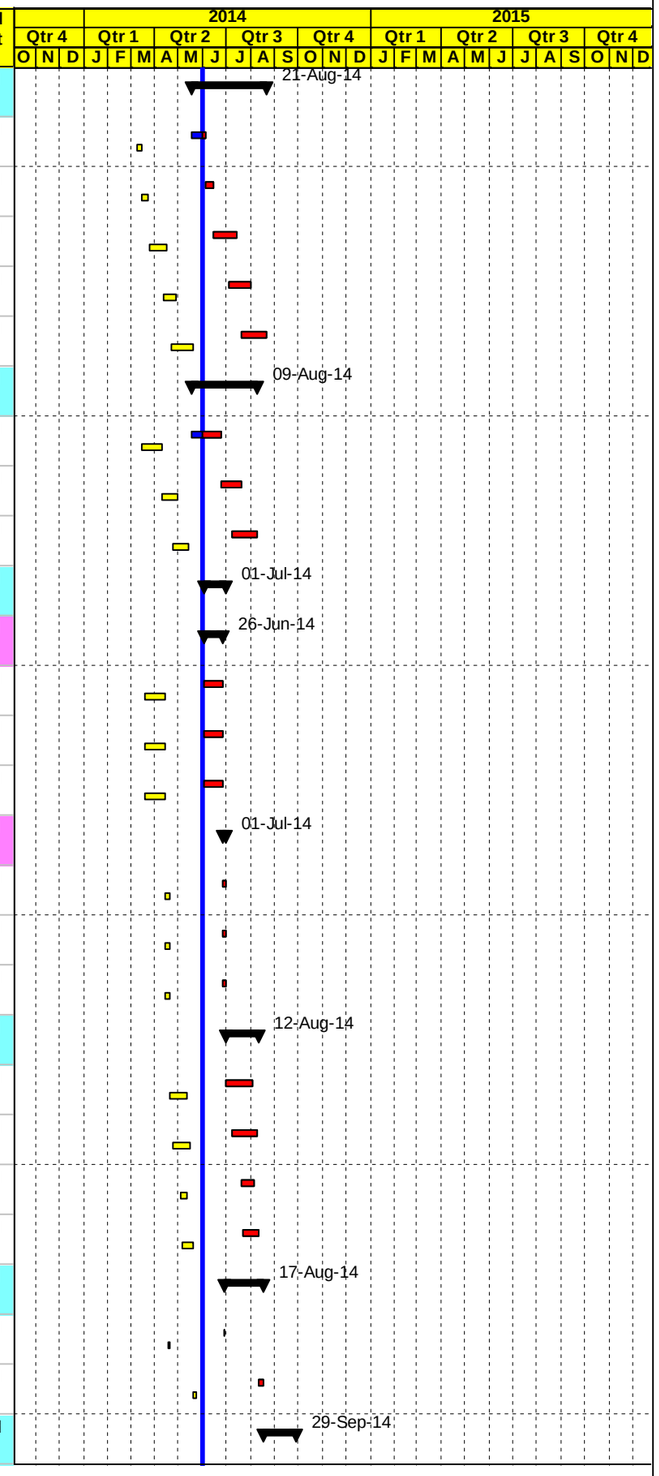
Concrete Wall Crew two		63d		59d	10-Mar-14	19-May-14	19-May-14 A	21-Aug-14	-48d
NHT2600	Construct R.Concrete Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	5d	8.5%	5d	10-Mar-14	15-Mar-14	19-May-14 A	05-Jun-14	-48d
NHT2610	Construct R.Concrete Retaining wall from Sta. A0+800 to A0+840 LHS (40 LM)	8d	0%	8d	16-Mar-14	24-Mar-14	05-Jun-14	15-Jun-14	-48d
NHT2620	Construct R.Concrete Retaining wall from Sta. A0+880 to A0+990 LHS (110 LM)	20d	0%	20d	25-Mar-14	16-Apr-14	15-Jun-14	14-Jul-14	-48d
NHT2630	Construct R.Concrete Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	14d	0%	14d	12-Apr-14	28-Apr-14	05-Jul-14	02-Aug-14	-48d
NHT2640	Construct R.Concrete Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	22d	0%	22d	23-Apr-14	19-May-14	21-Jul-14	21-Aug-14	-48d
Box Culvert		52d		48d	15-Mar-14	14-May-14	19-May-14 A	09-Aug-14	-37d
NHT2650	Construct 2.0x2.0x19 M box culvert @Sta. A0+590	23d	10.5%	21d	15-Mar-14	10-Apr-14	19-May-14 A	24-Jun-14	-37d
NHT2660	Construct 1.5x1.5x12 M box culvert @Sta. A0+953	16d	0%	16d	10-Apr-14	30-Apr-14	24-Jun-14	21-Jul-14	-37d
NHT2670	Construct1.5x1.5x15 M box culvert @Sta. A1+356	17d	0%	17d	23-Apr-14	14-May-14	09-Jul-14	09-Aug-14	-37d
Pipe Installation		25d		25d	20-Mar-14	19-Apr-14	02-Jun-14	01-Jul-14	-60d
300 mm main pipeline		21d		21d	20-Mar-14	14-Apr-14	02-Jun-14	26-Jun-14	-60d
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	21d	0%	21d	20-Mar-14	14-Apr-14	02-Jun-14	26-Jun-14	-62d
NHT2700	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (1210 LM)	21d	0%	21d	20-Mar-14	14-Apr-14	02-Jun-14	26-Jun-14	-62d
NHT2710	Backfill the pipe trench with (single size aggregate) to the required level (1210 LM)	21d	0%	21d	20-Mar-14	14-Apr-14	02-Jun-14	26-Jun-14	-60d
300 mm main pipeline with 75 mm dist. Pipe		4d		4d	14-Apr-14	19-Apr-14	26-Jun-14	01-Jul-14	-60d
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	26-Jun-14	01-Jul-14	-62d
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	26-Jun-14	01-Jul-14	-62d
NHT2685	Backfill the pipe trench with (single size aggregate) to the required level 130 LM)	4d	0%	4d	14-Apr-14	19-Apr-14	26-Jun-14	01-Jul-14	-60d
Chamber work		24d		24d	19-Apr-14	19-May-14	01-Jul-14	12-Aug-14	-60d
NHT2720	Construct - Wash out Valve chamber @ Sta. A0+624 .A0+911& &A1+340	17d	0%	17d	19-Apr-14	11-May-14	01-Jul-14	04-Aug-14	-60d
NHT2730	Construct - AR/AV Valve chamber @ Sta. A0+719, A1+108 and A1+213	17d	0%	17d	24-Apr-14	15-May-14	09-Jul-14	09-Aug-14	-60d
NHT2740	Construct - Butterfly Valve chamber @ Sta.A1+084	8d	0%	8d	03-May-14	12-May-14	20-Jul-14	05-Aug-14	-60d
NHT2750	Construct -300 mm flow monitoring chamber @ Sta.A0+660	12d	0%	12d	05-May-14	19-May-14	23-Jul-14	12-Aug-14	-60d
Testing		50d		50d	19-Apr-14	24-May-14	28-Jun-14	17-Aug-14	-85d
NHT2755	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	19-Apr-14	28-Jun-14	28-Jun-14	-10d
NHT2760	Pressure Testing	4d	0%	4d	19-May-14	24-May-14	12-Aug-14	17-Aug-14	-60d
Base course and Asphalt From Sta. A0+000 To A0+720		37d		37d	24-May-14	10-Jul-14	17-Aug-14	29-Sep-14	132d



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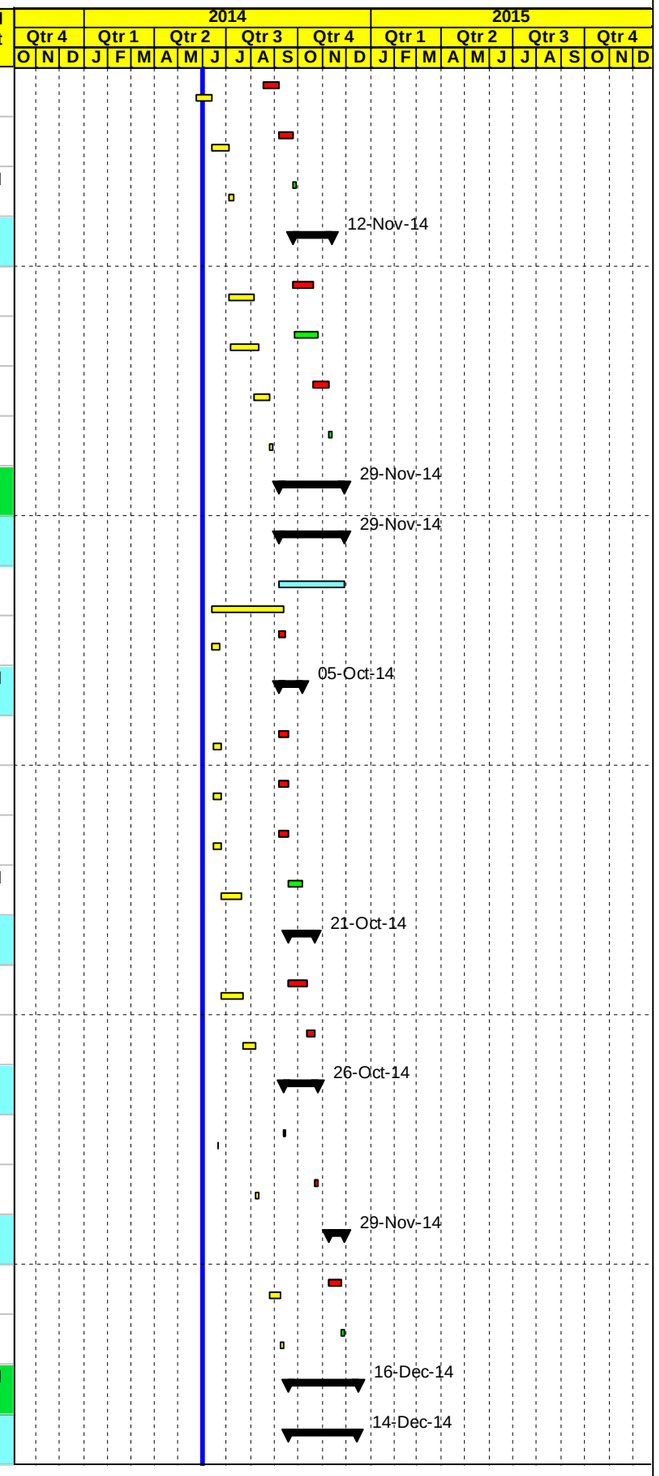
NHT2780	20 cm thick for first base course layer	17d	0%	17d	24-May-14	12-Jun-14	17-Aug-14	06-Sep-14	-60d
NHT2790	20 cm thick for second base course layer	17d	0%	17d	12-Jun-14	05-Jul-14	06-Sep-14	25-Sep-14	-60d
NHT2800	7cm Asphalt wearing course including prime coat	3d	0%	3d	05-Jul-14	10-Jul-14	25-Sep-14	29-Sep-14	132d
Base course ,Stone Wall and Asphalt From Sta. A0+720 To A1+440		37d		37d	05-Jul-14	30-Aug-14	25-Sep-14	12-Nov-14	98d
NHT2802	20 cm thick for first base course layer	17d	0%	17d	05-Jul-14	06-Aug-14	25-Sep-14	20-Oct-14	-60d
NHT2804	Construct stone walls from sta.A1+018 to A1+340	20d	0%	20d	07-Jul-14	11-Aug-14	27-Sep-14	25-Oct-14	111d
NHT2805	20 cm thick for second base course layer	17d	0%	17d	06-Aug-14	26-Aug-14	20-Oct-14	09-Nov-14	-60d
NHT2809	7cm Asphalt wearing course including prime coat	3d	0%	3d	26-Aug-14	30-Aug-14	09-Nov-14	12-Nov-14	98d
SEG.A From Sta.A1+440- A2+190 (Residential area)		84d		84d	12-Jun-14	13-Sep-14	06-Sep-14	29-Nov-14	117d
Safety and Excavation		66d		66d	12-Jun-14	13-Sep-14	06-Sep-14	29-Nov-14	89d
NHT2810	Maintain traffic control and safety plan with coordination	66d	0%	66d	12-Jun-14	13-Sep-14	06-Sep-14	29-Nov-14	89d
NHT2820	Excavation for reconstruction road including subgrade and backfilling if required	8d	0%	8d	12-Jun-14	22-Jun-14	06-Sep-14	15-Sep-14	-60d
Pipe Installation		24d		24d	14-Jun-14	20-Jul-14	07-Sep-14	05-Oct-14	105d
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	07-Sep-14	18-Sep-14	-60d
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	07-Sep-14	18-Sep-14	-60d
NHT2850	Backfill the pipe trench with (single size aggregate) to the required level (750 LM)	10d	0%	10d	14-Jun-14	25-Jun-14	07-Sep-14	18-Sep-14	-60d
NHT2854	Water meters and House connection	14d	0%	14d	25-Jun-14	20-Jul-14	18-Sep-14	05-Oct-14	105d
Chamber work		24d		24d	25-Jun-14	07-Aug-14	18-Sep-14	21-Oct-14	-48d
NHT2860	Construct - AR/AV Valve chamber @ A1+457, Sta. A1+727 &,A1+820,.	16d	0%	16d	25-Jun-14	23-Jul-14	18-Sep-14	12-Oct-14	-48d
NHT2870	Construct - Wash out Valve chamber @ Sta.A1+503	8d	0%	8d	23-Jul-14	07-Aug-14	12-Oct-14	21-Oct-14	-48d
Testing		43d		43d	21-Jun-14	12-Aug-14	13-Sep-14	26-Oct-14	-61d
NHT2873	Radiographic Testing (RT)	1d	0%	1d	21-Jun-14	21-Jun-14	13-Sep-14	13-Sep-14	-12d
NHT2880	Pressure Testing	4d	0%	4d	07-Aug-14	12-Aug-14	21-Oct-14	26-Oct-14	-48d
Base course and Asphalt		15d		15d	26-Aug-14	13-Sep-14	09-Nov-14	29-Nov-14	89d
NHT2890	20 cm thick for base course layer	12d	0%	12d	26-Aug-14	09-Sep-14	09-Nov-14	25-Nov-14	-60d
NHT2930	7cm asphalt wearing course including prime coat	3d	0%	3d	09-Sep-14	13-Sep-14	25-Nov-14	29-Nov-14	89d
SEG.A From Sta A2+190.to Sta. A3+320 (Non-Residential area)		89d		89d	25-Jun-14	28-Sep-14	18-Sep-14	16-Dec-14	102d
Safety, Excavation and Box Culvert		66d		66d	25-Jun-14	25-Sep-14	18-Sep-14	14-Dec-14	-60d



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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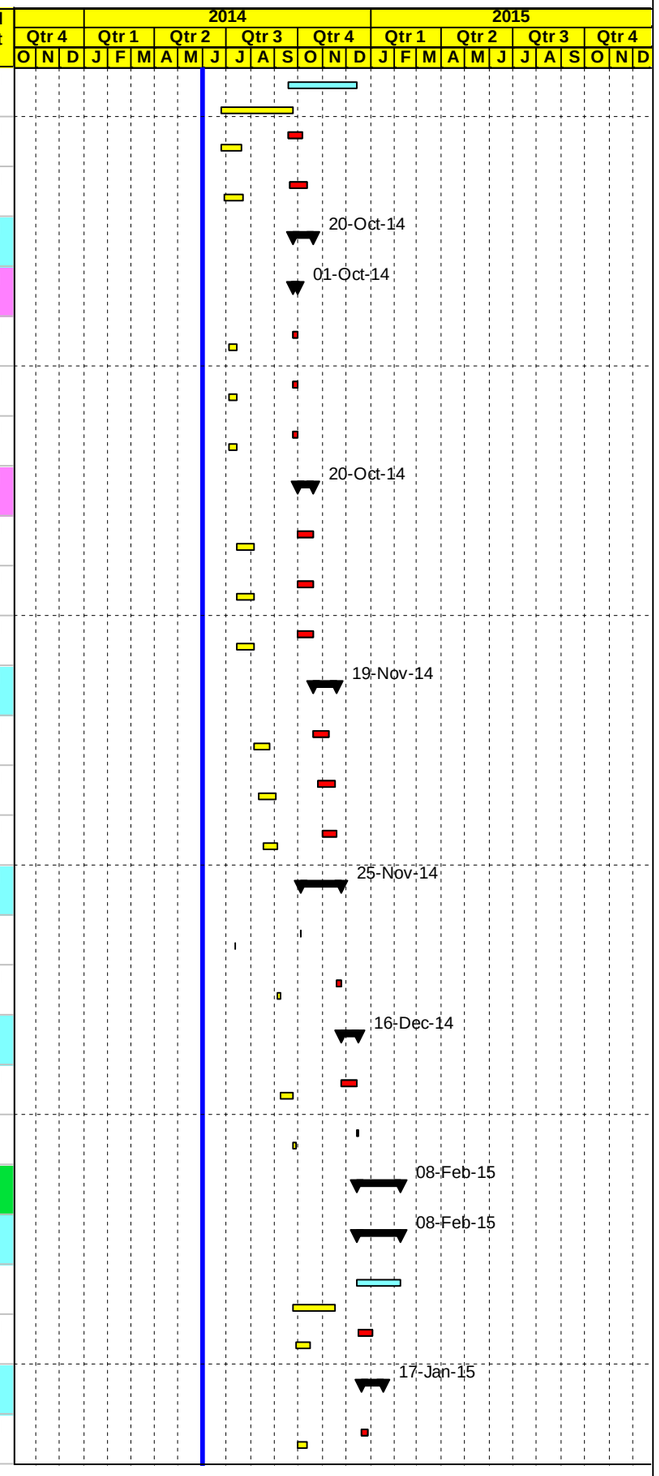
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT2940	Maintain traffic control and safety plan with coordination	66d	0%	66d	25-Jun-14	25-Sep-14	18-Sep-14	14-Dec-14	-60d
NHT2950	Excavation for reconstruction road including subgrade and backfilling if required	14d	0%	14d	25-Jun-14	20-Jul-14	18-Sep-14	05-Oct-14	-60d
NHT2960	Construct - 1.5x15m Box culvert @ Sta.A2+225 with concrete inlet and outlet	14d	0%	14d	29-Jun-14	23-Jul-14	21-Sep-14	12-Oct-14	-24d
Pipe Installation		17d		17d	05-Jul-14	06-Aug-14	25-Sep-14	20-Oct-14	-60d
300 mm main pipeline with 75 mm dist. Pipe		5d		5d	05-Jul-14	14-Jul-14	25-Sep-14	01-Oct-14	-60d
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	25-Sep-14	01-Oct-14	-60d
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	25-Sep-14	01-Oct-14	-60d
NHT2990	Backfill the pipe trench with (single size aggregate) to the required level (240 LM)	5d	0%	5d	05-Jul-14	14-Jul-14	25-Sep-14	01-Oct-14	-60d
300 mm main pipeline with 50 mm dist. Pipe		12d		12d	14-Jul-14	06-Aug-14	01-Oct-14	20-Oct-14	-60d
NHT2985	Trench excavation for 300mm main pipeline with 50 mm dist. Pipe from A2+430 to sta. A3+310 length approx. (880 LM)	12d	0%	12d	14-Jul-14	06-Aug-14	01-Oct-14	20-Oct-14	-60d
NHT2987	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (880 LM)	12d	0%	12d	14-Jul-14	06-Aug-14	01-Oct-14	20-Oct-14	-60d
NHT2999	Backfill the pipe trench with (single size aggregate) to the required level (880 LM)	12d	0%	12d	14-Jul-14	06-Aug-14	01-Oct-14	20-Oct-14	-60d
Chamber work		25d		25d	06-Aug-14	04-Sep-14	20-Oct-14	19-Nov-14	-60d
NHT3035	Construct - AR/AV Valve chamber @ Sta.A3+120, A3+249 & A3+320	16d	0%	16d	06-Aug-14	25-Aug-14	20-Oct-14	08-Nov-14	-51d
NHT3020	Construct - Wash out Valve chamber @ Sta.A2+222,A2+973,A3+187, & A3+281.	18d	0%	18d	12-Aug-14	02-Sep-14	26-Oct-14	17-Nov-14	-60d
NHT3030	Construct - Butterfly Valve chamber @ Sta.A2+590	15d	0%	15d	18-Aug-14	04-Sep-14	01-Nov-14	19-Nov-14	-60d
Testing		52d		52d	12-Jul-14	09-Sep-14	04-Oct-14	25-Nov-14	-77d
NHT3033	Radiographic Testing (RT)	1d	0%	1d	12-Jul-14	12-Jul-14	04-Oct-14	04-Oct-14	-9d
NHT3040	Pressure Testing	4d	0%	4d	04-Sep-14	09-Sep-14	19-Nov-14	25-Nov-14	-60d
Base course and Asphalt		16d		16d	09-Sep-14	28-Sep-14	25-Nov-14	16-Dec-14	77d
NHT3050	20 cm thick for base course layer	14d	0%	14d	09-Sep-14	25-Sep-14	25-Nov-14	14-Dec-14	-60d
NHT3055	7cm asphalt wearing course including prime coat	2d	0%	2d	25-Sep-14	28-Sep-14	14-Dec-14	16-Dec-14	77d
SEG.C From St.C0+000 -St.C0+330 (Residential area)		56d		56d	25-Sep-14	16-Nov-14	14-Dec-14	08-Feb-15	50d
Safety and Excavation		39d		39d	25-Sep-14	16-Nov-14	14-Dec-14	08-Feb-15	42d
NHT3060	Maintain traffic control and safety plan with coordination	39d	0%	39d	25-Sep-14	16-Nov-14	14-Dec-14	08-Feb-15	42d
NHT3070	Excavation for reconstruction road including subgrade and backfilling if required	12d	0%	12d	28-Sep-14	16-Oct-14	16-Dec-14	04-Jan-15	-60d
Pipe Installation		19d		19d	30-Sep-14	27-Oct-14	20-Dec-14	17-Jan-15	44d
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	20-Dec-14	28-Dec-14	-40d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
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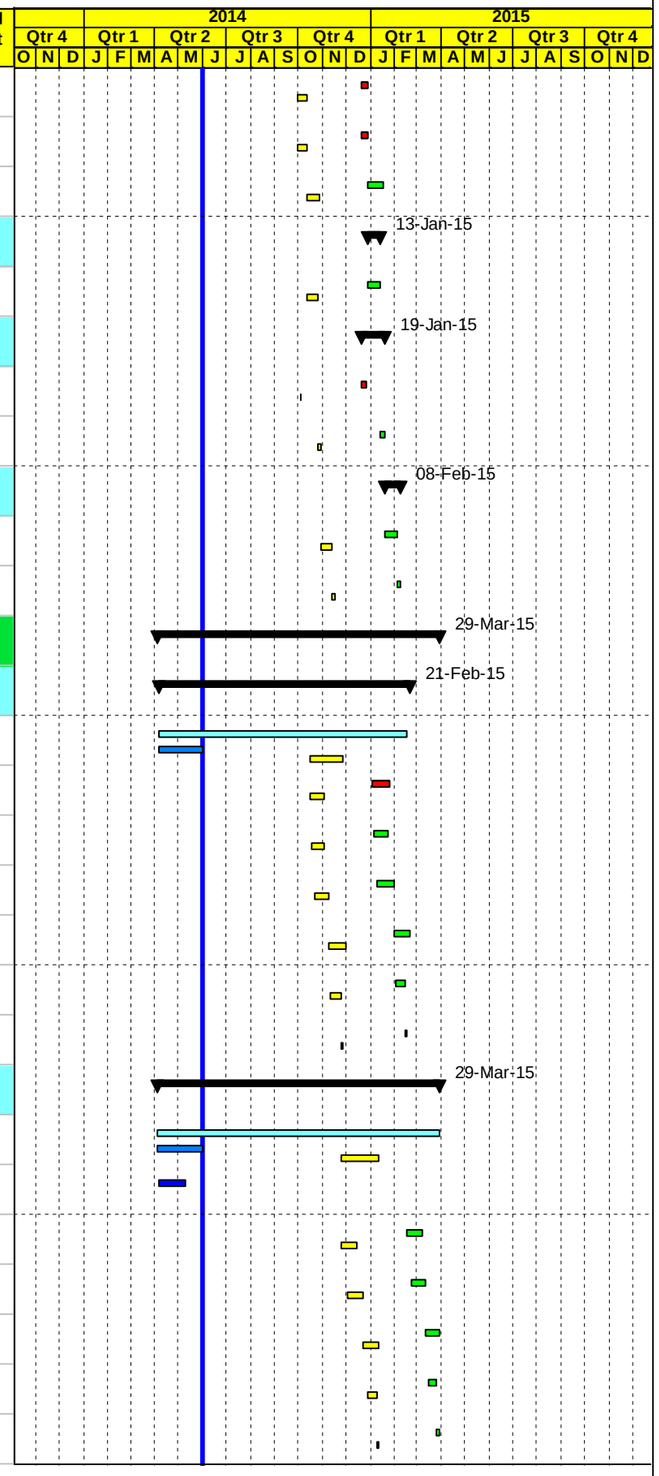
NHT3090	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (330 LM)	5d	0%	5d	30-Sep-14	11-Oct-14	20-Dec-14	28-Dec-14	-40d
NHT3100	Backfill the pipe trench with (single size aggregate) to the required level (330 LM)	5d	0%	5d	30-Sep-14	11-Oct-14	20-Dec-14	28-Dec-14	-40d
NHT3105	Water meters and House connection	14d	0%	14d	11-Oct-14	27-Oct-14	28-Dec-14	17-Jan-15	44d
Chamber work		12d		12d	11-Oct-14	25-Oct-14	28-Dec-14	13-Jan-15	42d
NHT3110	Construct -Nahaleen Connection chamber @ Sta.C0+320	12d	0%	12d	11-Oct-14	25-Oct-14	28-Dec-14	13-Jan-15	42d
Testing		30d		30d	04-Oct-14	29-Oct-14	20-Dec-14	19-Jan-15	54d
NHT3115	Radiographic Testing (RT)	1d	0%	1d	04-Oct-14	04-Oct-14	20-Dec-14	27-Dec-14	-7d
NHT3120	Pressure Testing	4d	0%	4d	25-Oct-14	29-Oct-14	13-Jan-15	19-Jan-15	42d
Base course and Asphalt		14d		14d	29-Oct-14	16-Nov-14	19-Jan-15	08-Feb-15	42d
NHT3130	20 cm thick for base course layer	12d	0%	12d	29-Oct-14	12-Nov-14	19-Jan-15	04-Feb-15	42d
NHT3170	7 cm Asphalt wearing course including prime coat	2d	0%	2d	12-Nov-14	16-Nov-14	04-Feb-15	08-Feb-15	42d
SEG.E From Sta. E0+000 to Sta.E1+276		267d		228d	16-Oct-14	12-Jan-15	05-Apr-14 A	29-Mar-15	2d
From Sta. E0+000 to Sta.E0+650		236d		198d	16-Oct-14	30-Nov-14	06-Apr-14 A	21-Feb-15	30d
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	8.86%	195d	16-Oct-14	26-Nov-14	06-Apr-14 A	17-Feb-15	33d
NHT3190	Excavation for reconstruction road including subgrade and backfilling if required	15d	0%	15d	16-Oct-14	03-Nov-14	04-Jan-15	25-Jan-15	-60d
NHT3210	PVC conduct cable for street lighting	13d	0%	13d	18-Oct-14	02-Nov-14	05-Jan-15	24-Jan-15	1d
NHT3220	20 cm thick for first base course layer	16d	0%	16d	21-Oct-14	09-Nov-14	10-Jan-15	01-Feb-15	1d
NHT3230	20 cm thick for second base course layer	16d	0%	16d	09-Nov-14	30-Nov-14	01-Feb-15	21-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	03-Feb-15	15-Feb-15	1d
NHT3245	7 cm Asphalt wearing course including prime	2d	0%	2d	24-Nov-14	26-Nov-14	15-Feb-15	17-Feb-15	33d
From Sta. E0+650 to Sta.E1+276		267d		228d	24-Nov-14	12-Jan-15	05-Apr-14 A	29-Mar-15	2d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	0%	228d	24-Nov-14	12-Jan-15	05-Apr-14 A	29-Mar-15	2d
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	16-Feb-15	07-Mar-15	1d
NHT3270	20 cm thick for first base course layer	14d	0%	14d	02-Dec-14	22-Dec-14	23-Feb-15	12-Mar-15	1d
NHT3280	20 cm thick for second base course layer	14d	0%	14d	22-Dec-14	12-Jan-15	12-Mar-15	29-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	16-Mar-15	26-Mar-15	2d
NHT3295	7 cm Asphalt wearing course including prime	2d	0%	2d	10-Jan-15	12-Jan-15	26-Mar-15	29-Mar-15	2d



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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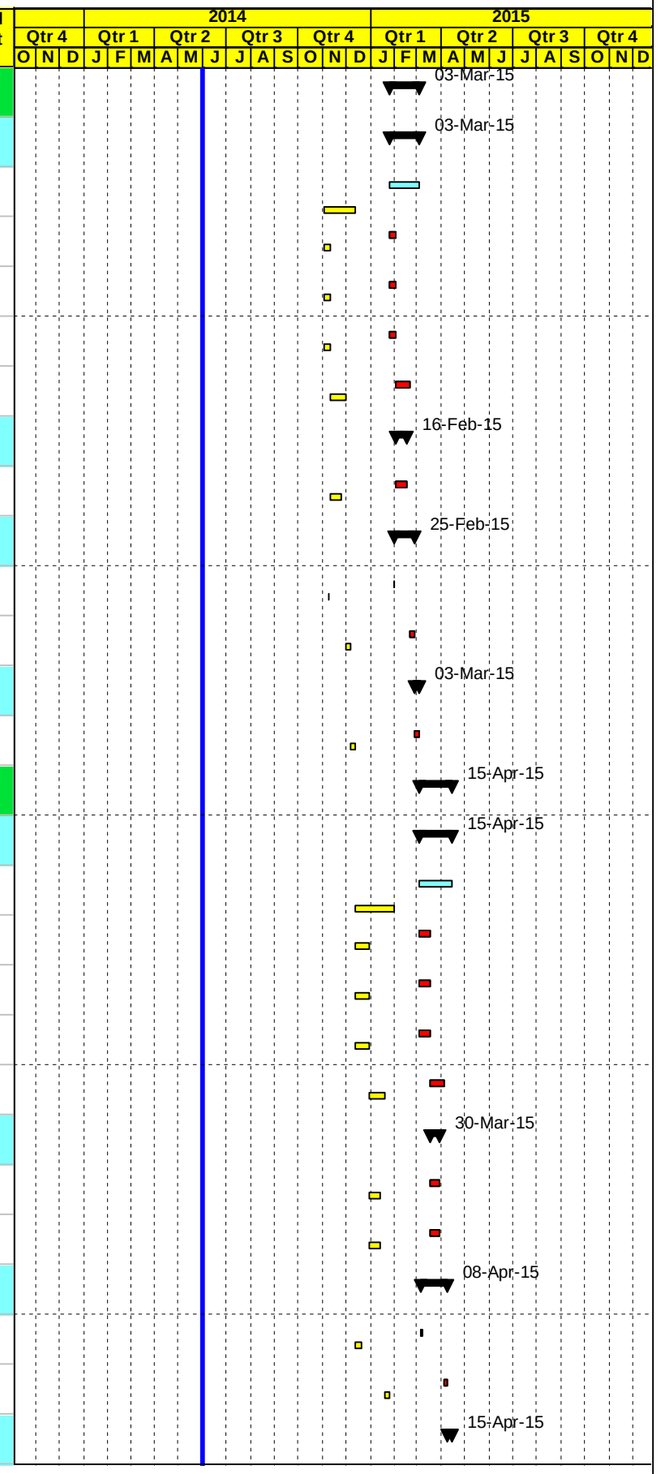
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
Hussan Distribution pipes		37d		37d	03-Nov-14	13-Dec-14	25-Jan-15	03-Mar-15	-80d
Safety and Pipe Installation		30d		30d	03-Nov-14	13-Dec-14	25-Jan-15	03-Mar-15	-60d
NHT3310	Maintain traffic control and safety plan ,coordination for relocation utilities and others	30d	0%	30d	03-Nov-14	13-Dec-14	25-Jan-15	03-Mar-15	-60d
NHT3320	Trench excavation for 100mm main pipeline at Hussan village length approx. (430 LM)	7d	0%	7d	03-Nov-14	11-Nov-14	25-Jan-15	03-Feb-15	-60d
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	25-Jan-15	03-Feb-15	-60d
NHT3340	Backfill the pipe trench with (single size aggregate) to the required level	7d	0%	7d	03-Nov-14	11-Nov-14	25-Jan-15	03-Feb-15	-60d
NHT3345	Water meters and House connection	14d	0%	14d	11-Nov-14	30-Nov-14	03-Feb-15	21-Feb-15	-60d
Chamber work		10d		10d	11-Nov-14	25-Nov-14	03-Feb-15	16-Feb-15	-56d
NHT3350	Construct AR/AV Valve chamber @ Hussan village	10d	0%	10d	11-Nov-14	25-Nov-14	03-Feb-15	16-Feb-15	-56d
Testing		25d		25d	08-Nov-14	06-Dec-14	31-Jan-15	25-Feb-15	-81d
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	21-Feb-15	25-Feb-15	-60d
Asphalt		5d		5d	06-Dec-14	13-Dec-14	25-Feb-15	03-Mar-15	-60d
NHT3370	Restoration pavement full width	5d	0%	5d	06-Dec-14	13-Dec-14	25-Feb-15	03-Mar-15	-60d
Battir Distribution pipes		43d		43d	13-Dec-14	01-Feb-15	03-Mar-15	15-Apr-15	-15d
Safety and Pipe Installation		35d		35d	13-Dec-14	01-Feb-15	03-Mar-15	15-Apr-15	-12d
NHT3380	Maintain traffic control and safety plan ,coordination	35d	0%	35d	13-Dec-14	01-Feb-15	03-Mar-15	15-Apr-15	-12d
NHT3390	Trench excavation for 150mm main pipeline at Battir village length approx. (950 LM)	12d	0%	12d	13-Dec-14	30-Dec-14	03-Mar-15	18-Mar-15	-60d
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	03-Mar-15	18-Mar-15	-60d
NHT3410	Backfill the pipe trench with (single size aggregate) to the required level	12d	0%	12d	13-Dec-14	30-Dec-14	03-Mar-15	18-Mar-15	-60d
NHT3415	Water meters and House connection	14d	0%	14d	30-Dec-14	19-Jan-15	18-Mar-15	04-Apr-15	-60d
Chamber work		10d		10d	30-Dec-14	13-Jan-15	18-Mar-15	30-Mar-15	-56d
NHT3420	Construct -Gate Valve chamber @ Battir village	10d	0%	10d	30-Dec-14	13-Jan-15	18-Mar-15	30-Mar-15	-56d
NHT3422	Construct - PRV chamber @ Battir village	10d	0%	10d	30-Dec-14	13-Jan-15	18-Mar-15	30-Mar-15	-56d
Testing		32d		32d	13-Dec-14	25-Jan-15	07-Mar-15	08-Apr-15	-73d
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	04-Apr-15	08-Apr-15	-60d
Asphalt		5d		5d	25-Jan-15	01-Feb-15	08-Apr-15	15-Apr-15	-12d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
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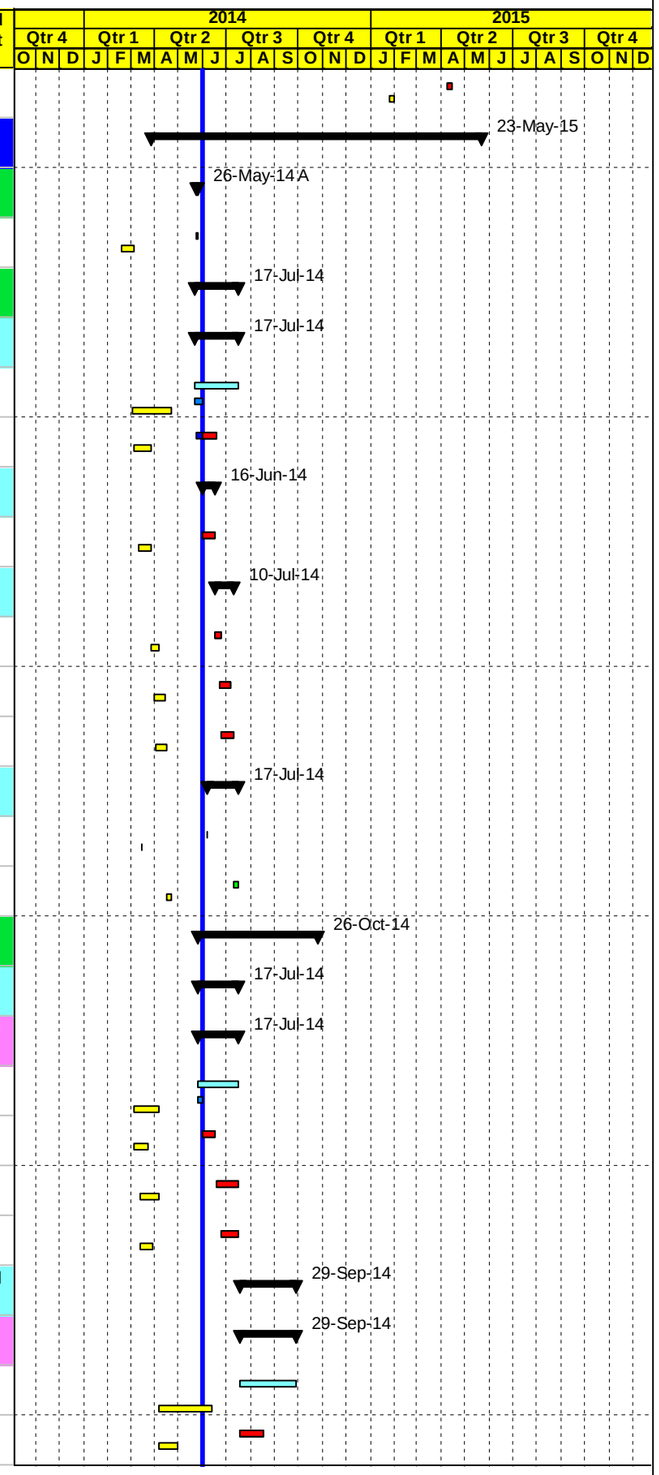
NHT3440	Restoration pavement full width	5d	0%	5d	25-Jan-15	01-Feb-15	08-Apr-15	15-Apr-15	-12d
Group Two Seg D , SEG.A Road From Sta. 3+320 to Sta. A8+203 and Seg. B		456d		356d	17-Feb-14	09-Apr-15	27-Mar-14 A	23-May-15	-33d
Implementation traffic control and safety plan		3d		0d	17-Feb-14	05-Mar-14	24-May-14 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)		135d		47d	04-Mar-14	22-Apr-14	22-May-14 A	17-Jul-14	4d
Safety, Excavation and Concrete Works		68d		35d	04-Mar-14	22-Apr-14	22-May-14 A	17-Jul-14	2d
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	17-Jul-14	2d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	16d	05-Mar-14	27-Mar-14	24-May-14 A	19-Jun-14	-7d
Pipe Installation		14d		14d	11-Mar-14	27-Mar-14	01-Jun-14	16-Jun-14	-7d
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-Jun-14	16-Jun-14	-7d
Chamber work		17d		17d	27-Mar-14	16-Apr-14	17-Jun-14	10-Jul-14	-4d
NHT3480	Construct - Butterfly Valve chamber @ Sta.D0+504	8d	0%	8d	27-Mar-14	06-Apr-14	17-Jun-14	25-Jun-14	-4d
NHT3490	Construct - Wash out Valve chamber @ Sta.D0+500 & D0+080	11d	0%	11d	01-Apr-14	14-Apr-14	22-Jun-14	07-Jul-14	-4d
NHT3500	Construct - AR/AV Valve chamber @ Sta.D0+110 & D0+068	11d	0%	11d	03-Apr-14	16-Apr-14	24-Jun-14	10-Jul-14	-4d
Testing		41d		41d	15-Mar-14	22-Apr-14	07-Jun-14	17-Jul-14	4d
NHT3515	Radiographic Testing (RT)	1d	0%	1d	15-Mar-14	15-Mar-14	07-Jun-14	07-Jun-14	5d
NHT3520	Pressure Testing	4d	0%	4d	16-Apr-14	22-Apr-14	10-Jul-14	17-Jul-14	2d
SEG.A From Sta.A3+320 to Sta.A5+800		152d		147d	05-Mar-14	04-Aug-14	25-May-14 A	26-Oct-14	86d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		39d		35d	05-Mar-14	06-Apr-14	26-May-14 A	17-Jul-14	-36d
Safety, Excavation, Culvert and Base course		39d		35d	05-Mar-14	06-Apr-14	26-May-14 A	17-Jul-14	-36d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	14d	0%	35d	05-Mar-14	06-Apr-14	26-May-14 A	17-Jul-14	-36d
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widening	14d	0%	14d	05-Mar-14	23-Mar-14	01-Jun-14	16-Jun-14	-31d
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	18-Jun-14	17-Jul-14	-36d
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	25-Jun-14	17-Jul-14	-36d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		72d		72d	06-Apr-14	12-Jun-14	19-Jul-14	29-Sep-14	106d
Safety, Excavation, Culvert , concrete channel and Basecourse		56d		56d	06-Apr-14	12-Jun-14	19-Jul-14	29-Sep-14	78d
NHT3580	Maintain traffic control and safety plan ,coordination for relocation utilities and others	56d	0%	56d	06-Apr-14	12-Jun-14	19-Jul-14	29-Sep-14	78d
NHT3590	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	20d	0%	20d	06-Apr-14	30-Apr-14	19-Jul-14	18-Aug-14	-36d



Project Baseline Bar | Baseline Milestone | Actual Level of Effort | Level of Effort
Level of effort Baseline | Actual Work | Early Bar | Summary
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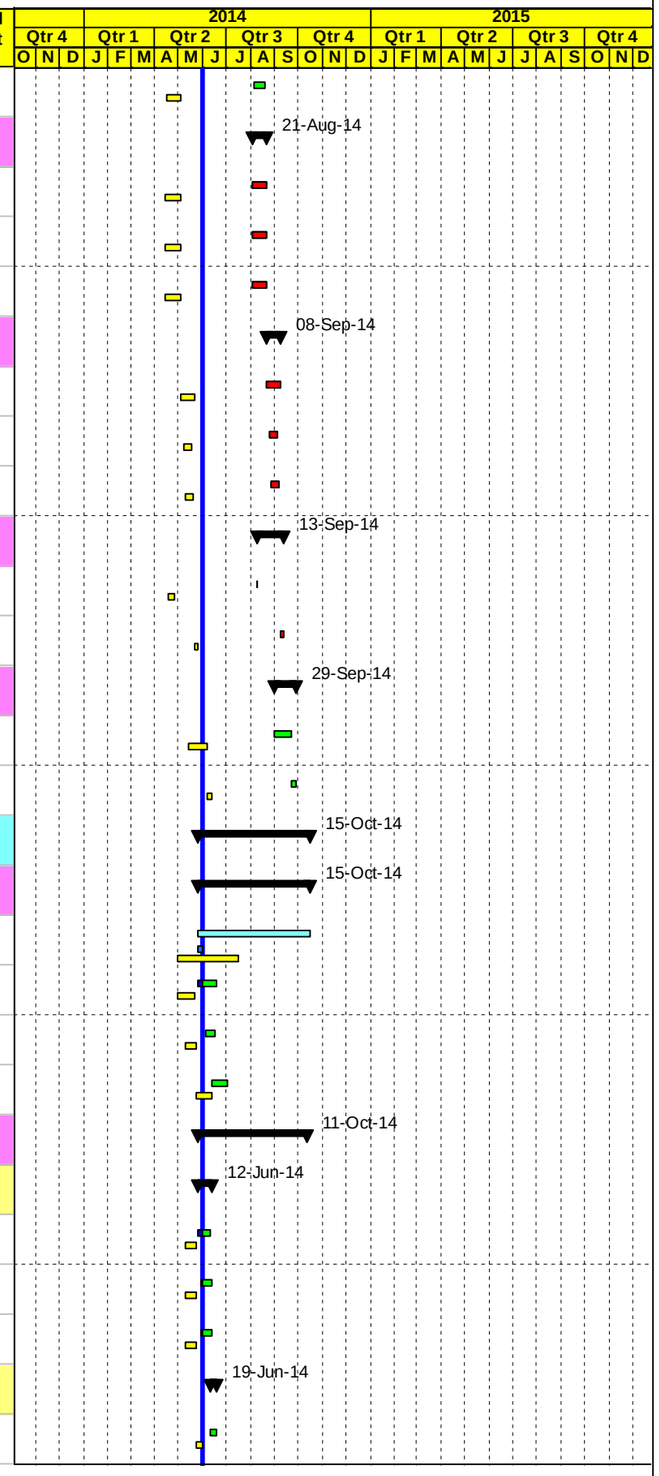
Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT3600	Construct -RHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with inlet	13d	0%	13d	16-Apr-14	04-May-14	05-Aug-14	20-Aug-14	87d
Pipe Installation		15d		15d	15-Apr-14	05-May-14	04-Aug-14	21-Aug-14	-36d
NHT3620	Trench excavation for 250 mm main pipeline from A3+350 to sta.A4+560 with length approx. (1210LM)	15d	0%	15d	15-Apr-14	05-May-14	04-Aug-14	21-Aug-14	-36d
NHT3630	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1210LM)	15d	0%	15d	15-Apr-14	05-May-14	04-Aug-14	21-Aug-14	-36d
NHT3640	Backfill the pipe trench with (single size aggregate) to the required level (1210LM)	15d	0%	15d	15-Apr-14	05-May-14	04-Aug-14	21-Aug-14	-36d
Chamber work		15d		15d	05-May-14	22-May-14	21-Aug-14	08-Sep-14	-36d
NHT3650	Construct - Wash out Valve chamber @ Sta.3+612, 3+811 & 4+092	15d	0%	15d	05-May-14	22-May-14	21-Aug-14	08-Sep-14	-36d
NHT3660	Construct - AR/AV Valve chamber @ Sta.A3+721	9d	0%	9d	08-May-14	19-May-14	25-Aug-14	04-Sep-14	-35d
NHT3670	Construct - Butterfly Valve chamber @ Sta.A4+088	9d	0%	9d	11-May-14	21-May-14	27-Aug-14	07-Sep-14	-35d
Testing		35d		35d	19-Apr-14	27-May-14	09-Aug-14	13-Sep-14	-42d
NHT3675	Radiographic Testing (RT)	1d	0%	1d	19-Apr-14	26-Apr-14	09-Aug-14	09-Aug-14	-7d
NHT3680	Pressure Testing	4d	0%	4d	22-May-14	27-May-14	08-Sep-14	13-Sep-14	-36d
Base course and Stone Wall		25d		25d	14-May-14	12-Jun-14	31-Aug-14	29-Sep-14	78d
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	31-Aug-14	23-Sep-14	78d
NHT3700	Construct - stone wall l from Sta.A3+360 to sta. A3+370 RHS	5d	0%	5d	07-Jun-14	12-Jun-14	23-Sep-14	29-Sep-14	78d
SEG.A From Sta.A4+560 to Sta.A5+800 RHS (Pipeline)		133d		136d	30-Apr-14	16-Jul-14	25-May-14 A	15-Oct-14	90d
Safety, Excavation and Concrete Works		98d		101d	30-Apr-14	16-Jul-14	25-May-14 A	15-Oct-14	-36d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	101d	30-Apr-14	16-Jul-14	25-May-14 A	15-Oct-14	-36d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	10%	16d	30-Apr-14	22-May-14	26-May-14 A	19-Jun-14	4d
NHT3720	Construct -RHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with inlet	12d	0%	12d	11-May-14	25-May-14	04-Jun-14	17-Jun-14	26d
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	12-Jun-14	03-Jul-14	14d
Pipe Installation		87d		97d	11-May-14	17-Jun-14	26-May-14 A	11-Oct-14	72d
250 mm main pipeline		11d		10d	11-May-14	24-May-14	26-May-14 A	12-Jun-14	25d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+434 with length approx. (874 LM)	11d	10%	10d	11-May-14	24-May-14	26-May-14 A	11-Jun-14	12d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (874 LM)	11d	5%	10d	11-May-14	24-May-14	31-May-14 A	12-Jun-14	25d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level (874 LM)	11d	5%	10d	11-May-14	24-May-14	31-May-14 A	12-Jun-14	16d
250 mm main pipeline with 50 mm dist. Pipe		7d		7d	24-May-14	01-Jun-14	11-Jun-14	19-Jun-14	12d
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+434 to A5+800 length approx. (366 LM)	7d	0%	7d	24-May-14	01-Jun-14	11-Jun-14	19-Jun-14	12d



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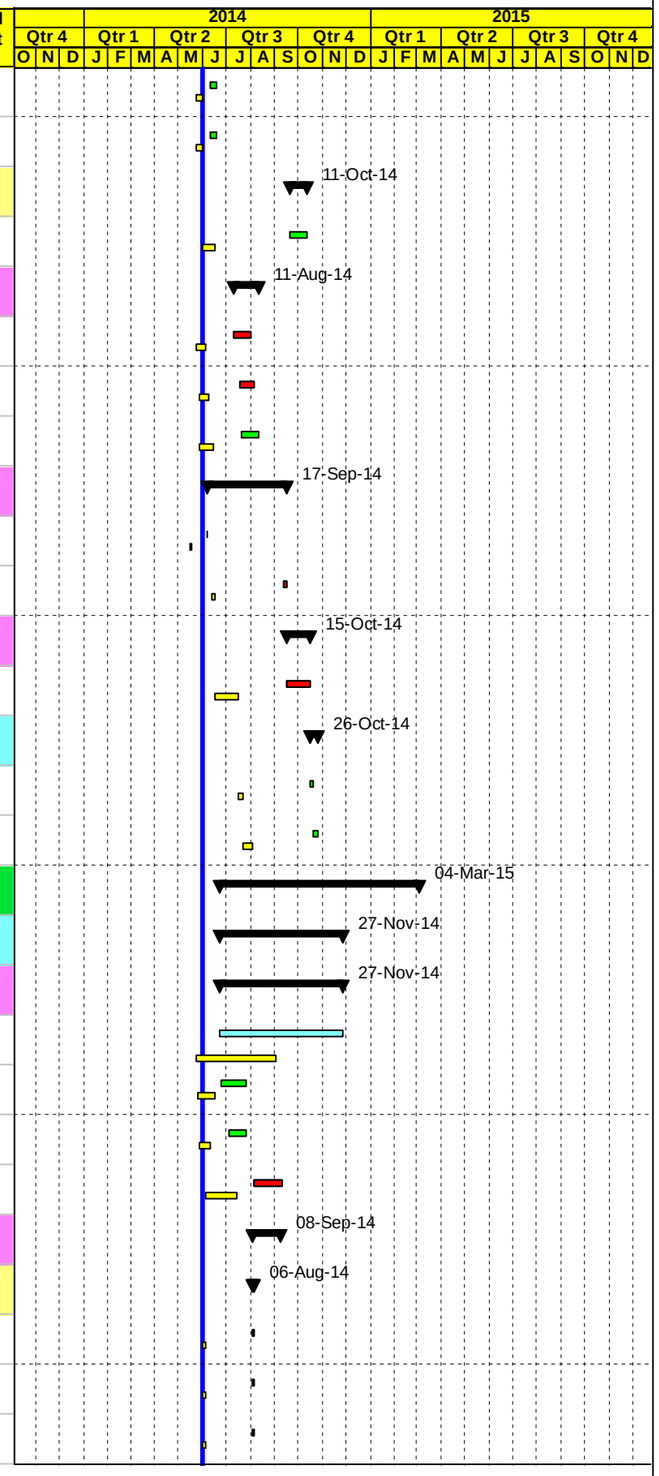
NHT3763	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (366 LM)	7d	0%	7d	24-May-14	01-Jun-14	11-Jun-14	19-Jun-14	12d
NHT3766	Backfill the pipe trench with (single size aggregate) to the required level (366 LM)	7d	0%	7d	24-May-14	01-Jun-14	11-Jun-14	19-Jun-14	12d
House connection		14d		14d	01-Jun-14	17-Jun-14	20-Sep-14	11-Oct-14	72d
NHT3769	Water meters and House connection	14d	0%	14d	01-Jun-14	17-Jun-14	20-Sep-14	11-Oct-14	72d
Chamber work		18d		18d	24-May-14	14-Jun-14	10-Jul-14	11-Aug-14	16d
NHT3790	Construct - Wash out Valve chamber @ 5+590	10d	0%	10d	24-May-14	04-Jun-14	10-Jul-14	02-Aug-14	-4d
NHT3800	Construct - Butterfly Valve chamber @ A5+587	10d	0%	10d	28-May-14	09-Jun-14	19-Jul-14	06-Aug-14	-4d
NHT3810	Construct -250mm flow monitoring chamber @ Sta.A5+725	13d	0%	13d	29-May-14	14-Jun-14	20-Jul-14	11-Aug-14	16d
Testing		102d		102d	17-May-14	17-Jun-14	07-Jun-14	17-Sep-14	-42d
NHT3815	Radiographic Testing (RT)	1d	0%	1d	17-May-14	17-May-14	07-Jun-14	07-Jun-14	4d
NHT3820	Pressure Testing	4d	0%	4d	12-Jun-14	17-Jun-14	13-Sep-14	17-Sep-14	-36d
Base course		20d		20d	17-Jun-14	16-Jul-14	17-Sep-14	15-Oct-14	-36d
NHT3830	Subgrad and install first and second layer of 20 cm base course for widening the road	20d	0%	20d	17-Jun-14	16-Jul-14	17-Sep-14	15-Oct-14	-36d
SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS (Asphalt -work)		9d		9d	16-Jul-14	04-Aug-14	15-Oct-14	26-Oct-14	64d
NHT3840	Asphalt milling for the existing road	4d	0%	4d	16-Jul-14	23-Jul-14	15-Oct-14	20-Oct-14	64d
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	20-Oct-14	26-Oct-14	64d
SEG.A From Sta.A5+800 to Sta. 7+460		255d		255d	25-May-14	10-Dec-14	22-Jun-14	04-Mar-15	7d
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Residential area)		158d		158d	25-May-14	03-Sep-14	22-Jun-14	27-Nov-14	-44d
Safety, Excavation, Pipe Culvert and storm system		118d		118d	25-May-14	03-Sep-14	22-Jun-14	27-Nov-14	-36d
NHT3860	Maintain traffic control and safety plan ,coordination for relocation utilities and others	118d	0%	118d	25-May-14	03-Sep-14	22-Jun-14	27-Nov-14	-36d
NHT3870	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	18d	0%	18d	27-May-14	17-Jun-14	25-Jun-14	26-Jul-14	3d
NHT3880	Construct -RHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with outlet	12d	0%	12d	28-May-14	11-Jun-14	05-Jul-14	27-Jul-14	21d
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-Aug-14	10-Sep-14	-12d
Pipe Installation		31d		31d	01-Jun-14	10-Jul-14	03-Aug-14	08-Sep-14	19d
200 mm main pipeline with 100 mm dist. Pipe		3d		3d	01-Jun-14	04-Jun-14	03-Aug-14	06-Aug-14	-13d
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	03-Aug-14	06-Aug-14	-13d
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	03-Aug-14	06-Aug-14	-13d
NHT3908	Backfill the pipe trench with (single size aggregate) to the required level (40 LM)	3d	0%	3d	01-Jun-14	04-Jun-14	03-Aug-14	06-Aug-14	-13d



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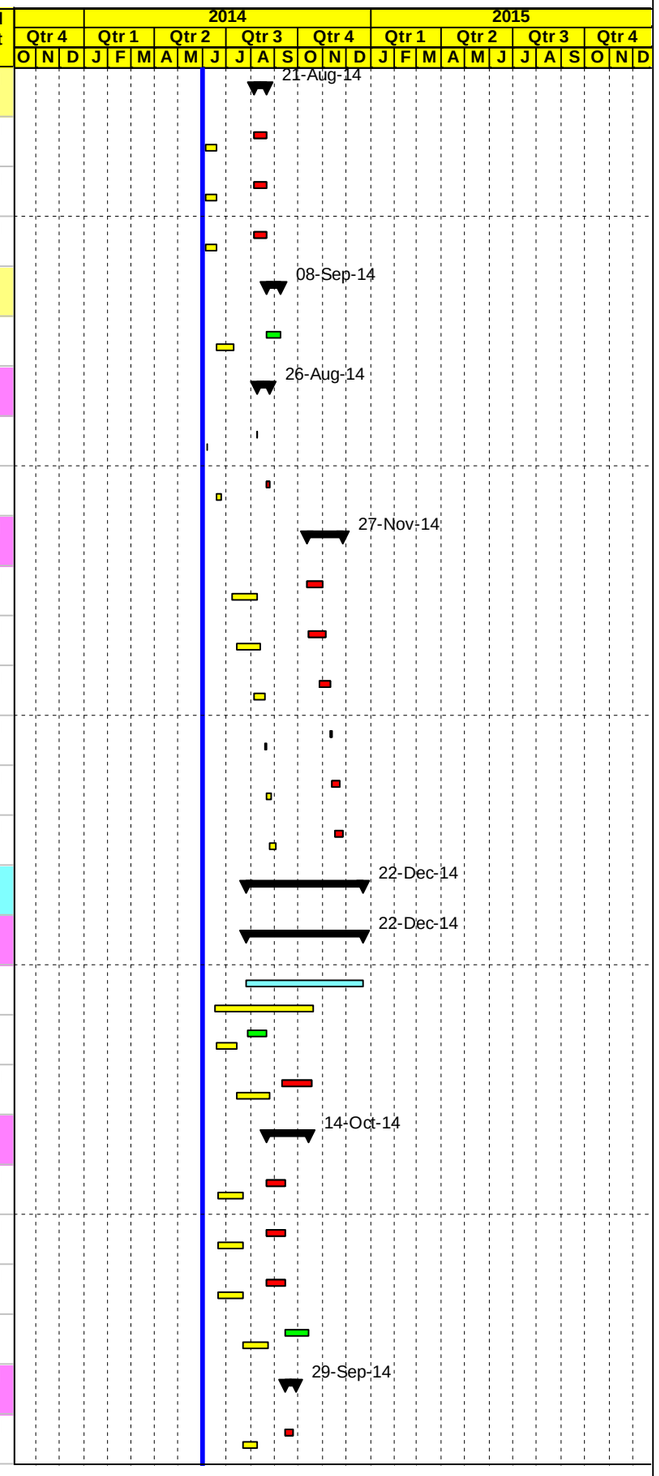
200 mm main pipeline with 150 mm dist. Pipe		13d		13d	04-Jun-14	19-Jun-14	06-Aug-14	21-Aug-14	-13d
NHT3910	Trench excavation for 200mm main pipeline with 150 mm dist. Pipe from A5+840 to sta.A6+630 length (790 LM)	13d	0%	13d	04-Jun-14	19-Jun-14	06-Aug-14	21-Aug-14	-13d
NHT3920	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (790 LM)	13d	0%	13d	04-Jun-14	19-Jun-14	06-Aug-14	21-Aug-14	-13d
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-Aug-14	21-Aug-14	-13d
House connection		15d		15d	19-Jun-14	10-Jul-14	21-Aug-14	08-Sep-14	19d
NHT3935	Water meters and House connection	15d	0%	15d	19-Jun-14	10-Jul-14	21-Aug-14	08-Sep-14	19d
Testing		17d		17d	07-Jun-14	24-Jun-14	09-Aug-14	26-Aug-14	-1d
NHT3937	Radiographic Testing (RT)	1d	0%	1d	07-Jun-14	07-Jun-14	09-Aug-14	09-Aug-14	-1d
NHT3940	Pressure Testing	4d	0%	4d	19-Jun-14	24-Jun-14	21-Aug-14	26-Aug-14	-1d
Base course Side walk and asphalt		39d		39d	09-Jul-14	03-Sep-14	11-Oct-14	27-Nov-14	-36d
NHT3950	20 cm thick for first base course layer	18d	0%	18d	09-Jul-14	10-Aug-14	11-Oct-14	01-Nov-14	-36d
NHT3960	20 cm thick for second base course layer	18d	0%	18d	14-Jul-14	13-Aug-14	14-Oct-14	04-Nov-14	-36d
NHT3970	Foundation and PVC conduit cable for street lighting	12d	0%	12d	05-Aug-14	19-Aug-14	27-Oct-14	10-Nov-14	-36d
NHT3980	5cm asphalt binder course including prime coat	2d	0%	2d	19-Aug-14	21-Aug-14	10-Nov-14	12-Nov-14	-36d
NHT3990	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	21-Aug-14	28-Aug-14	12-Nov-14	22-Nov-14	-36d
NHT4000	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	8d	0%	8d	25-Aug-14	03-Sep-14	17-Nov-14	27-Nov-14	-36d
SEG.A From Sta.A6+630 to Sta. 7+460 RHS (Residential area)		149d		149d	17-Jun-14	20-Oct-14	26-Jul-14	22-Dec-14	59d
Safety, Excavation and storm system		115d		115d	17-Jun-14	20-Oct-14	26-Jul-14	22-Dec-14	43d
NHT4010	Maintain traffic control and safety plan ,coordination for relocation utilities and others	115d	0%	115d	17-Jun-14	20-Oct-14	26-Jul-14	22-Dec-14	43d
NHT4020	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	18d	0%	18d	18-Jun-14	14-Jul-14	28-Jul-14	21-Aug-14	3d
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	10-Sep-14	18-Oct-14	-12d
Pipe Installation		42d		42d	21-Jun-14	23-Aug-14	21-Aug-14	14-Oct-14	87d
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-Aug-14	15-Sep-14	-13d
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-Aug-14	15-Sep-14	-13d
NHT4060	Backfill the pipe trench with (single size aggregate) to the required level	21d	0%	21d	21-Jun-14	23-Jul-14	21-Aug-14	15-Sep-14	-13d
NHT4065	Water meters and House connection	21d	0%	21d	23-Jul-14	23-Aug-14	15-Sep-14	14-Oct-14	87d
Chamber work		12d		12d	23-Jul-14	12-Aug-14	15-Sep-14	29-Sep-14	-13d
NHT4070	Construct - AR/AV Valve chamber @ Sta.A7+046	9d	0%	9d	23-Jul-14	09-Aug-14	15-Sep-14	25-Sep-14	-13d



Project Baseline Bar
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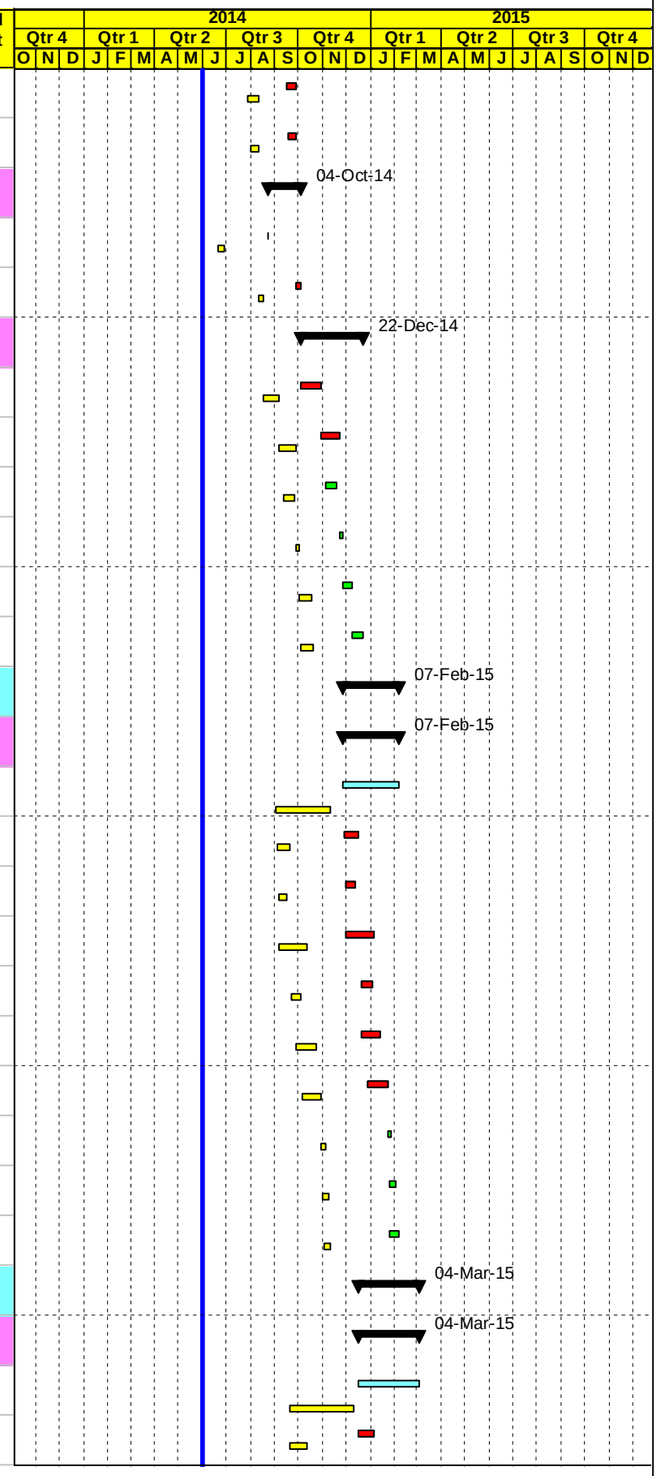
NHT4080	Construct -200 Gate Valve chamber @ Sta.A7+085	9d	0%	9d	28-Jul-14	11-Aug-14	17-Sep-14	28-Sep-14	-13d
NHT4090	Construct - Wash out Valve chamber @ Sta.A7+187	9d	0%	9d	02-Aug-14	12-Aug-14	18-Sep-14	29-Sep-14	-13d
Testing		42d		42d	21-Jun-14	17-Aug-14	23-Aug-14	04-Oct-14	-16d
NHT4095	Radiographic Testing (RT)	1d	0%	1d	21-Jun-14	28-Jun-14	23-Aug-14	23-Aug-14	1d
NHT4100	Pressure Testing	4d	0%	4d	12-Aug-14	17-Aug-14	29-Sep-14	04-Oct-14	-13d
Base course , street lighting ,Side walk ans asphalt		59d		59d	17-Aug-14	20-Oct-14	04-Oct-14	22-Dec-14	43d
NHT4110	20 cm thick for first base course layer	18d	0%	18d	17-Aug-14	07-Sep-14	04-Oct-14	29-Oct-14	-13d
NHT4120	20 cm thick for second base course layer	18d	0%	18d	07-Sep-14	28-Sep-14	29-Oct-14	22-Nov-14	-13d
NHT4130	Foundation and PVC conduit cable for street lighting	12d	0%	12d	13-Sep-14	27-Sep-14	04-Nov-14	19-Nov-14	44d
NHT4140	5cm asphalt binder course including prime coat	4d	0%	4d	28-Sep-14	02-Oct-14	22-Nov-14	26-Nov-14	43d
NHT4150	Construct curbstone after Saw cut the edge of asphalt binder course	9d	0%	9d	02-Oct-14	18-Oct-14	26-Nov-14	08-Dec-14	43d
NHT4160	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	10d	0%	10d	04-Oct-14	20-Oct-14	08-Dec-14	22-Dec-14	43d
SEG.A From Sta.A5+800 to Sta. 6+630 LHS (Residantial area)		50d		50d	03-Sep-14	11-Nov-14	27-Nov-14	07-Feb-15	19d
Safety, Excavation, Pipe Culvert, storm system and base course		50d		50d	03-Sep-14	11-Nov-14	27-Nov-14	07-Feb-15	19d
NHT4170	Maintain traffic control and safety plan ,coordination for relocation utilities and others	50d	0%	50d	03-Sep-14	11-Nov-14	27-Nov-14	07-Feb-15	19d
NHT4180	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	13d	0%	13d	04-Sep-14	20-Sep-14	29-Nov-14	16-Dec-14	-36d
NHT4190	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	9d	0%	9d	06-Sep-14	16-Sep-14	30-Nov-14	13-Dec-14	-34d
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	01-Dec-14	06-Jan-15	-34d
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	20-Dec-14	04-Jan-15	-26d
NHT4210	20 cm thick for first base course layer	18d	0%	18d	28-Sep-14	23-Oct-14	20-Dec-14	14-Jan-15	-34d
NHT4220	20 cm thick for second base course layer	18d	0%	18d	05-Oct-14	30-Oct-14	29-Dec-14	24-Jan-15	-34d
NHT4240	5cm asphalt binder course including prime coat	4d	0%	4d	30-Oct-14	04-Nov-14	24-Jan-15	28-Jan-15	19d
NHT4250	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	01-Nov-14	08-Nov-14	25-Jan-15	02-Feb-15	19d
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	26-Jan-15	07-Feb-15	19d
SEG.A From Sta.A6+630 to Sta. 7+460 LHS (Residential area)		58d		58d	20-Sep-14	10-Dec-14	16-Dec-14	04-Mar-15	5d
Safety, Excavation, Pipe Culvert, storm system, base course, Side walk and asphalt		58d		58d	20-Sep-14	10-Dec-14	16-Dec-14	04-Mar-15	5d
NHT4270	Maintain traffic control and safety plan ,coordination for relocation utilities and others	58d	0%	58d	20-Sep-14	10-Dec-14	16-Dec-14	04-Mar-15	5d
NHT4280	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	13d	0%	13d	21-Sep-14	11-Oct-14	17-Dec-14	06-Jan-15	-36d



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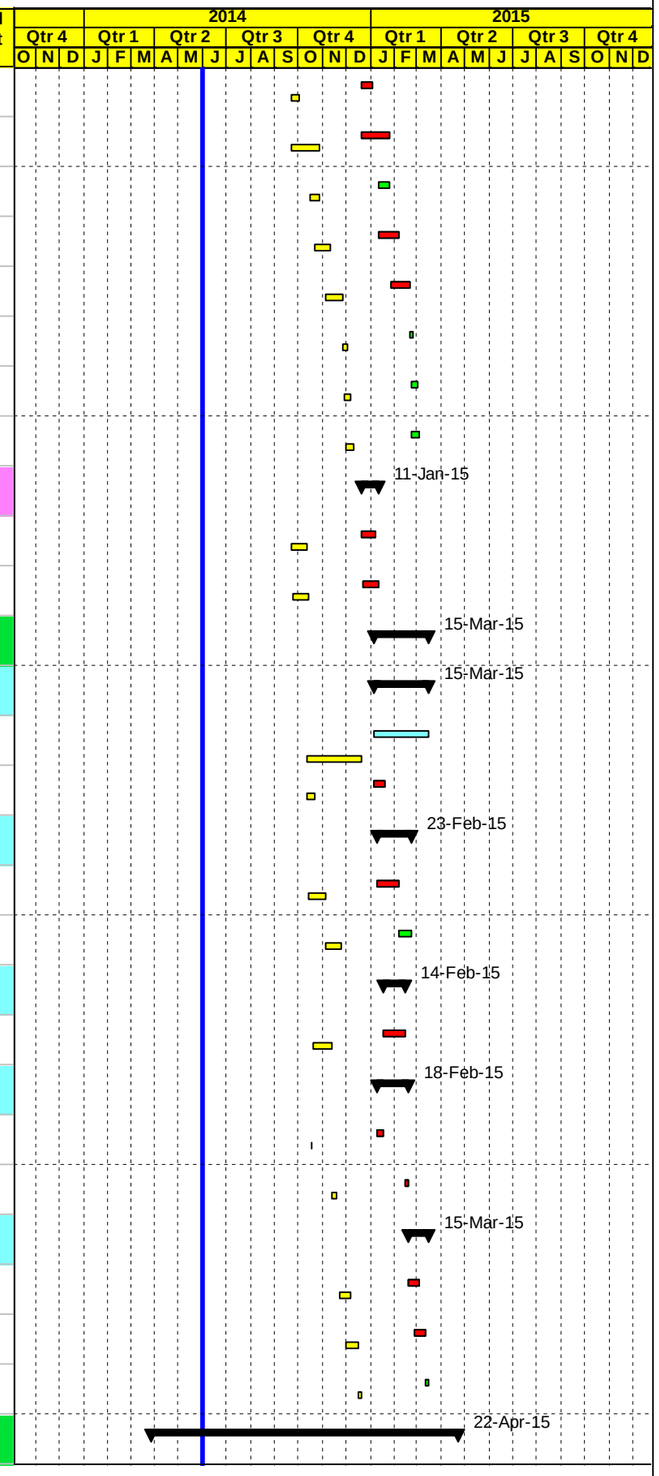
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
NHT4290	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	9d	0%	9d	22-Sep-14	02-Oct-14	20-Dec-14	03-Jan-15	-34d
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	21-Dec-14	26-Jan-15	-34d
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	12-Jan-15	26-Jan-15	32d
NHT4310	20 cm thick for first base course layer	18d	0%	18d	21-Oct-14	11-Nov-14	12-Jan-15	07-Feb-15	-34d
NHT4320	20 cm thick for second base course layer	18d	0%	18d	04-Nov-14	27-Nov-14	28-Jan-15	21-Feb-15	-34d
NHT4340	5cm asphalt binder course including prime coat	4d	0%	4d	27-Nov-14	02-Dec-14	21-Feb-15	25-Feb-15	5d
NHT4350	Construct curbstone after Saw cut the edge of asphalt binder course	6d	0%	6d	29-Nov-14	07-Dec-14	22-Feb-15	01-Mar-15	5d
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	23-Feb-15	04-Mar-15	5d
Chamber work		14d		14d	23-Sep-14	14-Oct-14	21-Dec-14	11-Jan-15	-27d
NHT4370	Construct -Hussan Connection chamber @ Sta.A7+390	12d	0%	12d	23-Sep-14	12-Oct-14	21-Dec-14	08-Jan-15	-27d
NHT4380	Construct -Battir Connection chamber @ Sta.A7+410	13d	0%	13d	24-Sep-14	14-Oct-14	22-Dec-14	11-Jan-15	-27d
SEG.A Road From Sta. 7+460 to Sta. A8+203		68d		68d	11-Oct-14	20-Dec-14	06-Jan-15	15-Mar-15	2d
Safety and Excavation		52d		52d	11-Oct-14	20-Dec-14	06-Jan-15	15-Mar-15	2d
NHT4390	Maintain traffic control and safety plan ,coordination for relocation utilities and others	52d	0%	52d	11-Oct-14	20-Dec-14	06-Jan-15	15-Mar-15	2d
NHT4400	Excavation for reconstruction road including subgrade and backfilling if required	10d	0%	10d	11-Oct-14	22-Oct-14	06-Jan-15	20-Jan-15	-36d
Pipe Installation		34d		34d	13-Oct-14	24-Nov-14	10-Jan-15	23-Feb-15	16d
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	10-Jan-15	07-Feb-15	-36d
NHT4415	Water meters and House connection	14d	0%	14d	05-Nov-14	24-Nov-14	07-Feb-15	23-Feb-15	16d
Chamber Work		21d		21d	19-Oct-14	12-Nov-14	17-Jan-15	14-Feb-15	-36d
NHT4420	Gate Valves	21d	0%	21d	19-Oct-14	12-Nov-14	17-Jan-15	14-Feb-15	-36d
Testing		39d		39d	18-Oct-14	18-Nov-14	10-Jan-15	18-Feb-15	-49d
NHT4425	Radiographic Testing (RT)	1d	0%	1d	18-Oct-14	18-Oct-14	10-Jan-15	17-Jan-15	-3d
NHT4430	Pressure Testing	4d	0%	4d	12-Nov-14	18-Nov-14	14-Feb-15	18-Feb-15	-36d
Base course and Asphalt		20d		20d	23-Nov-14	20-Dec-14	18-Feb-15	15-Mar-15	2d
NHT4440	20 cm thick for first base course layer	11d	0%	11d	23-Nov-14	07-Dec-14	18-Feb-15	03-Mar-15	-36d
NHT4450	20 cm thick for second base course layer	11d	0%	11d	01-Dec-14	16-Dec-14	26-Feb-15	12-Mar-15	-36d
NHT4460	5cm asphalt binder course including prime coat	2d	0%	2d	16-Dec-14	20-Dec-14	12-Mar-15	15-Mar-15	2d
SEG.B From Sta. B0+000 to Sta. B0+985 RHS (Residential area)		284d		325d	22-Oct-14	03-Feb-15	27-Mar-14 A	22-Apr-15	-31d



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
01-Jul-14			

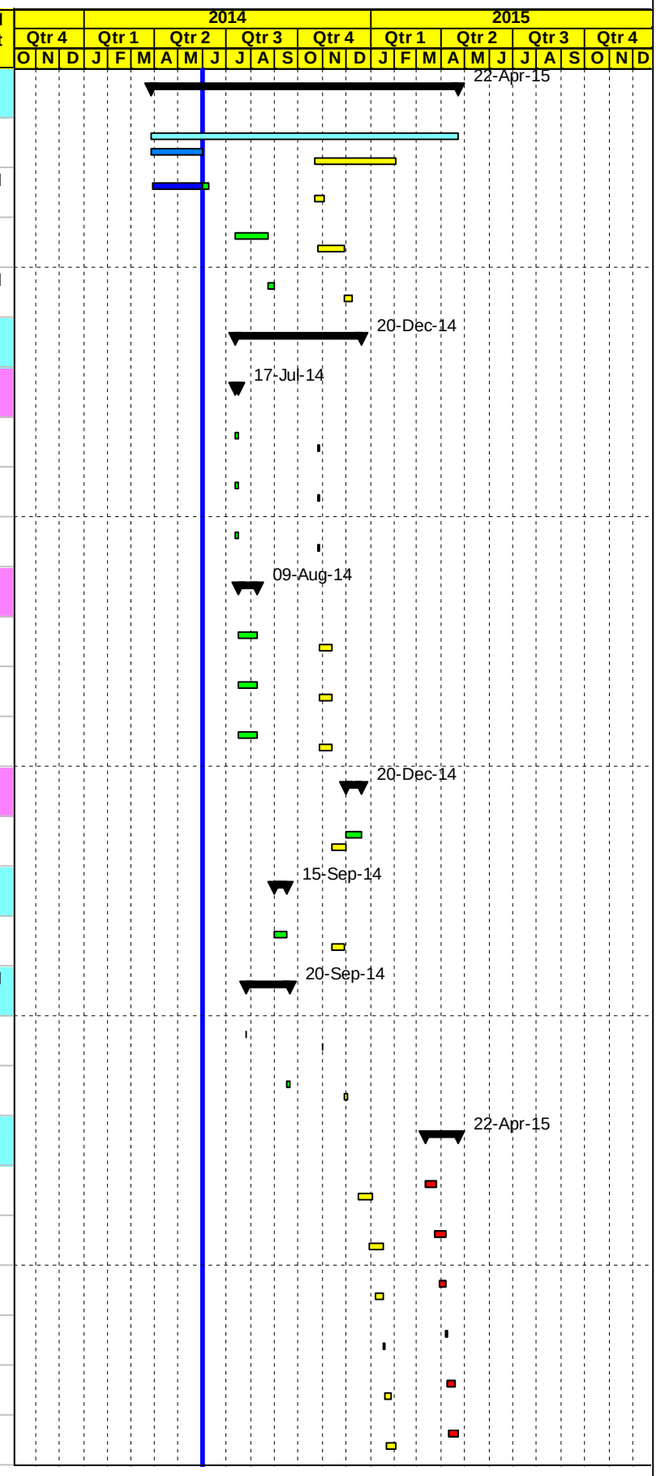
APCO/ArCon CONSTRUCTION AND SERVICES

Updated Construction Program

May 31, 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		195d		248d	22-Oct-14	03-Feb-15	27-Mar-14 A	22-Apr-15	-26d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	248d	22-Oct-14	03-Feb-15	27-Mar-14 A	22-Apr-15	-26d
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	09-Jun-14	129d
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	12-Jul-14	23-Aug-14	118d
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	23-Aug-14	01-Sep-14	154d
Pipe Installation		121d		121d	25-Oct-14	01-Dec-14	12-Jul-14	20-Dec-14	61d
100 mm main pipeline from		3d		3d	25-Oct-14	28-Oct-14	12-Jul-14	17-Jul-14	98d
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	12-Jul-14	17-Jul-14	98d
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	12-Jul-14	17-Jul-14	98d
NHT4515	Backfill the pipe trench with (single size aggregate) to the required level (90 LM)	3d	0%	3d	25-Oct-14	28-Oct-14	12-Jul-14	17-Jul-14	98d
100 mm main pipeline with 100 mm dist. Pipe		13d		13d	28-Oct-14	12-Nov-14	17-Jul-14	09-Aug-14	98d
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	17-Jul-14	09-Aug-14	98d
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	17-Jul-14	09-Aug-14	98d
NHT4540	Backfill the pipe trench with (single size aggregate) to the required level	13d	0%	13d	28-Oct-14	12-Nov-14	17-Jul-14	09-Aug-14	98d
House connection		14d		14d	12-Nov-14	01-Dec-14	30-Nov-14	20-Dec-14	61d
NHT4545	Water meters and House connection	14d	0%	14d	12-Nov-14	01-Dec-14	30-Nov-14	20-Dec-14	61d
Chamber work		12d		12d	12-Nov-14	29-Nov-14	01-Sep-14	15-Sep-14	78d
NHT4550	Construct -Wadi Fukin Connection chamber @ Sta.B0+957	12d	0%	12d	12-Nov-14	29-Nov-14	01-Sep-14	15-Sep-14	78d
Testing		57d		57d	01-Nov-14	03-Dec-14	26-Jul-14	20-Sep-14	127d
NHT4555	Radiographic Testing (RT)	1d	0%	1d	01-Nov-14	01-Nov-14	26-Jul-14	26-Jul-14	19d
NHT4560	Pressure Testing	4d	0%	4d	29-Nov-14	03-Dec-14	15-Sep-14	20-Sep-14	94d
Base course , street lighting , Side walk an asphalt		34d		34d	16-Dec-14	03-Feb-15	12-Mar-15	22-Apr-15	-26d
NHT4570	20 cm thick for first base course layer	12d	0%	12d	16-Dec-14	04-Jan-15	12-Mar-15	26-Mar-15	-36d
NHT4580	20 cm thick for second base course layer	12d	0%	12d	30-Dec-14	17-Jan-15	23-Mar-15	06-Apr-15	-36d
NHT4590	Reinf.concrete foundation and PVC conduit cable for street lighting	7d	0%	7d	08-Jan-15	18-Jan-15	30-Mar-15	07-Apr-15	-14d
NHT4600	5cm asphalt binder course including prime coat	2d	0%	2d	17-Jan-15	19-Jan-15	06-Apr-15	08-Apr-15	-26d
NHT4610	Construct curbstone after Saw cut the edge of asphalt binder course	7d	0%	7d	19-Jan-15	28-Jan-15	08-Apr-15	18-Apr-15	-26d
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	11-Apr-15	22-Apr-15	-26d



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

Updated Construction Program

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TO15
Nahaleen Main Pipeline Project

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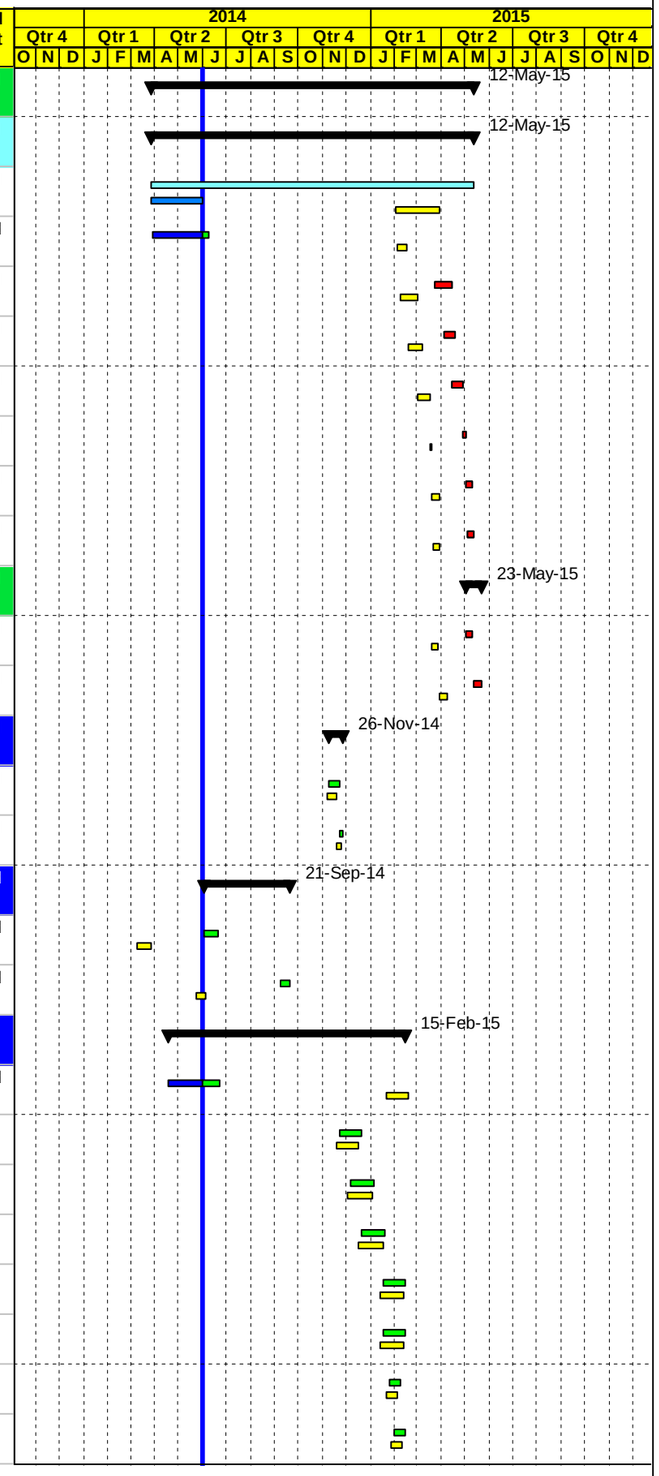
SEG.B From Sta. B0+000 to Sta. B0+985 LHS (Residential area)		300d		265d	03-Feb-15	30-Mar-15	27-Mar-14 A	12-May-15	-36d
Testing, Base course ,Side walk and Asphalt		300d		265d	03-Feb-15	30-Mar-15	27-Mar-14 A	12-May-15	-36d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	265d	03-Feb-15	30-Mar-15	27-Mar-14 A	12-May-15	-36d
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	09-Jun-14	187d
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	23-Mar-15	14-Apr-15	-36d
NHT4660	20 cm thick for first base course layer	12d	0%	12d	19-Feb-15	07-Mar-15	04-Apr-15	19-Apr-15	-36d
NHT4670	20 cm thick for second base course layer	12d	0%	12d	02-Mar-15	17-Mar-15	15-Apr-15	29-Apr-15	-36d
NHT4680	5cm asphalt binder course including prime coat	2d	0%	2d	17-Mar-15	19-Mar-15	29-Apr-15	02-May-15	-36d
NHT4690	construct curbstone after Saw cut the edge of asphalt binder course	8d	0%	8d	19-Mar-15	29-Mar-15	02-May-15	11-May-15	-36d
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	04-May-15	12-May-15	-36d
Asphalt for SEG. A5+800 to 8+203 A & B		18d		18d	19-Mar-15	09-Apr-15	02-May-15	23-May-15	-29d
NHT4705	Milling	7d	0%	7d	19-Mar-15	28-Mar-15	02-May-15	10-May-15	-18d
NHT4708	5 cm Asphalt wearing course including prime and tack coats	9d	0%	9d	30-Mar-15	09-Apr-15	12-May-15	23-May-15	-36d
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		82d		82d	09-Mar-14	04-Jun-14	03-Jun-14	21-Sep-14	162d
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	03-Jun-14	21-Jun-14	228d
NHT3688	Construct - Concrete channel from Sta.3+360 to sta. 3+850 RHS (490 LM)	10d	0%	10d	24-May-14	04-Jun-14	09-Sep-14	21-Sep-14	162d
Miscellaneous activities - If any as location is not determined yet		67d		193d	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	23-Jun-14	226d
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



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

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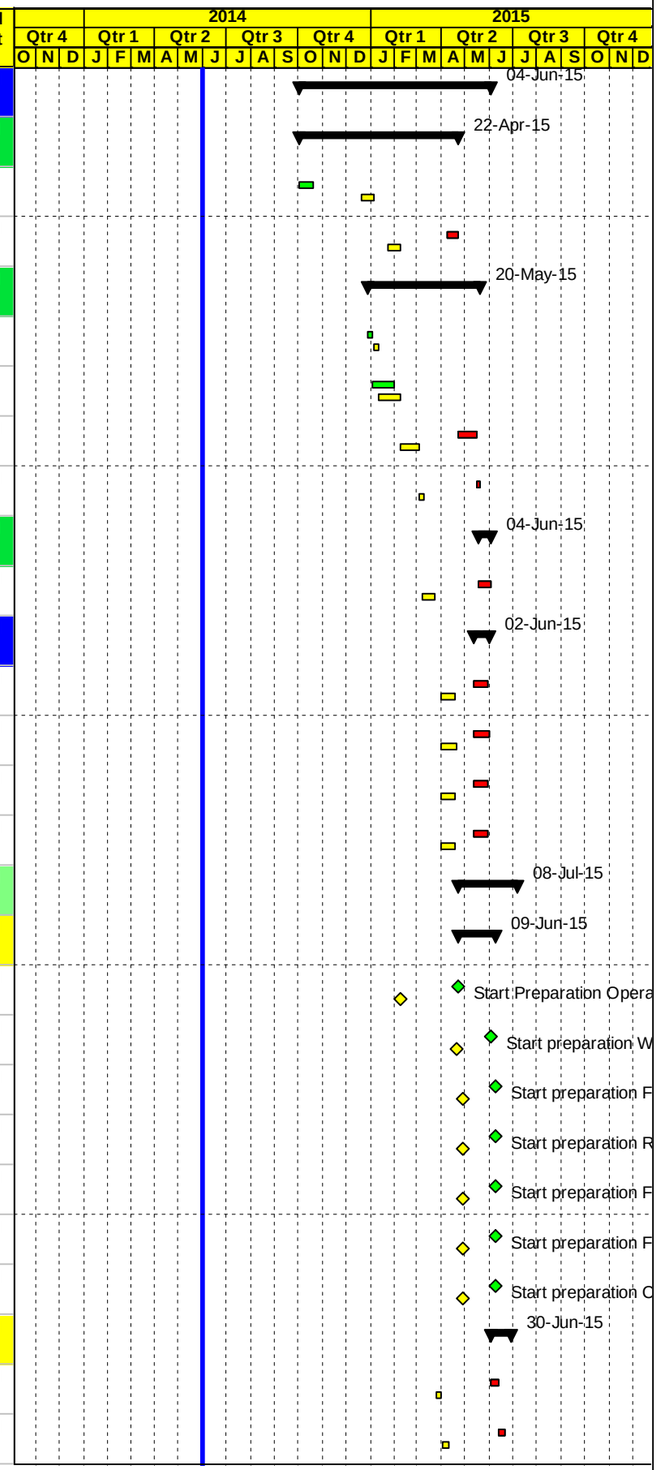
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Remaining Duration	BL1 Start	BL1 Finish	Start	Finish	Total Float
Final Mechanical connection		190d		190d	20-Dec-14	24-Mar-15	02-Oct-14	04-Jun-15	-60d
Safety		153d		153d	20-Dec-14	08-Feb-15	02-Oct-14	22-Apr-15	-60d
NHT4818	Confined Space Safety Test Group two	11d	0%	11d	20-Dec-14	05-Jan-15	02-Oct-14	20-Oct-14	78d
NHT4830	Confined Space Safety Test Group one	11d	0%	11d	24-Jan-15	08-Feb-15	08-Apr-15	22-Apr-15	-60d
Mechanical		115d		115d	05-Jan-15	09-Mar-15	28-Dec-14	20-May-15	-60d
NHT4815	Nahaleen Tank future connection (200 LM)	4d	0%	4d	05-Jan-15	11-Jan-15	28-Dec-14	03-Jan-15	26d
NHT4820	Mech. Work including install valves fittings, and flushing pipes Group Two	21d	0%	21d	11-Jan-15	09-Feb-15	03-Jan-15	01-Feb-15	26d
NHT4840	Mech. Work including install valves fittings, and flushing pipes Group one	21d	0%	21d	08-Feb-15	04-Mar-15	22-Apr-15	17-May-15	-60d
NHT4854	Connection to makarot pipeline	3d	0%	3d	04-Mar-15	09-Mar-15	17-May-15	20-May-15	-60d
Final Disinfection and Pressure Testing		14d		14d	09-Mar-15	24-Mar-15	19-May-15	04-Jun-15	-60d
NHT4850	Final Disinfection and Pressure Testing For main and dist.Pipeline	14d	0%	14d	09-Mar-15	24-Mar-15	19-May-15	04-Jun-15	-60d
Road Finishing work for SEG. A , B, C & E		17d		17d	31-Mar-15	21-Apr-15	12-May-15	02-Jun-15	-36d
NHT4910	Grouted rip rap protection	15d	0%	15d	31-Mar-15	18-Apr-15	12-May-15	30-May-15	-35d
NHT4900	Construct concrete ditch	17d	0%	17d	31-Mar-15	21-Apr-15	13-May-15	02-Jun-15	-36d
NHT4890	Street Lighting	15d	0%	15d	31-Mar-15	19-Apr-15	13-May-15	31-May-15	-36d
NHT4920	Guard rail,traffic signs , and Road furnishing	15d	0%	15d	01-Apr-15	19-Apr-15	13-May-15	31-May-15	-36d
Post Construction Phase		66d		66d	08-Feb-15	29-Apr-15	22-Apr-15	08-Jul-15	-60d
Post Submittals		42d		42d	08-Feb-15	29-Apr-15	22-Apr-15	09-Jun-15	-36d
NHT4922	Start Preparation Operation and Maintenance Manuals	0d	0%	0d	08-Feb-15		22-Apr-15		-23d
NHT4925	Start preparation Warranties (to USAID)	0d	0%	0d	20-Apr-15		04-Jun-15		-31d
NHT4930	Start preparation Final Acceptance Certificate	0d	0%	0d	29-Apr-15		09-Jun-15		-36d
NHT4935	Start preparation Release of liens and waiver of debts and claims against the government	0d	0%	0d	29-Apr-15		09-Jun-15		-36d
NHT4940	Start preparation Final payment	0d	0%	0d	29-Apr-15		09-Jun-15		-36d
NHT4945	Start preparation Final Report	0d	0%	0d	29-Apr-15		09-Jun-15		-36d
NHT4955	Start preparation Clearance certificate from local entities/ Authorities involved	0d	0%	0d	29-Apr-15		09-Jun-15		-36d
Start up, Training and commissioning		22d		22d	25-Mar-15	20-Apr-15	04-Jun-15	30-Jun-15	-60d
NHT4965	Pre commissioning	7d	0%	7d	25-Mar-15	01-Apr-15	04-Jun-15	13-Jun-15	-60d
NHT5005	Commissioning	8d	0%	8d	02-Apr-15	11-Apr-15	13-Jun-15	22-Jun-15	-60d



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CONSTRUCTION AND SERVICES

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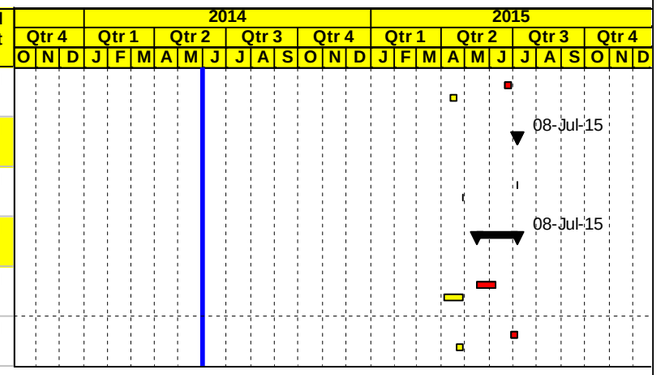
NHT5015	Training	7d	0%	7d	13-Apr-15	20-Apr-15	22-Jun-15	30-Jun-15	-60d
Demobilization		1d		1d	28-Apr-15	28-Apr-15	07-Jul-15	08-Jul-15	-60d
NHT4975	Start Demobilization	1d	0%	1d	28-Apr-15	28-Apr-15	07-Jul-15	08-Jul-15	-60d
Post Construction activities		45d		45d	04-Apr-15	28-Apr-15	16-May-15	08-Jul-15	-60d
NHT4995	Start preparation as-built drawings	21d	0%	21d	04-Apr-15	28-Apr-15	16-May-15	09-Jun-15	-36d
NHT4985	Walk Through & Punch List	8d	0%	8d	20-Apr-15	28-Apr-15	29-Jun-15	08-Jul-15	-60d



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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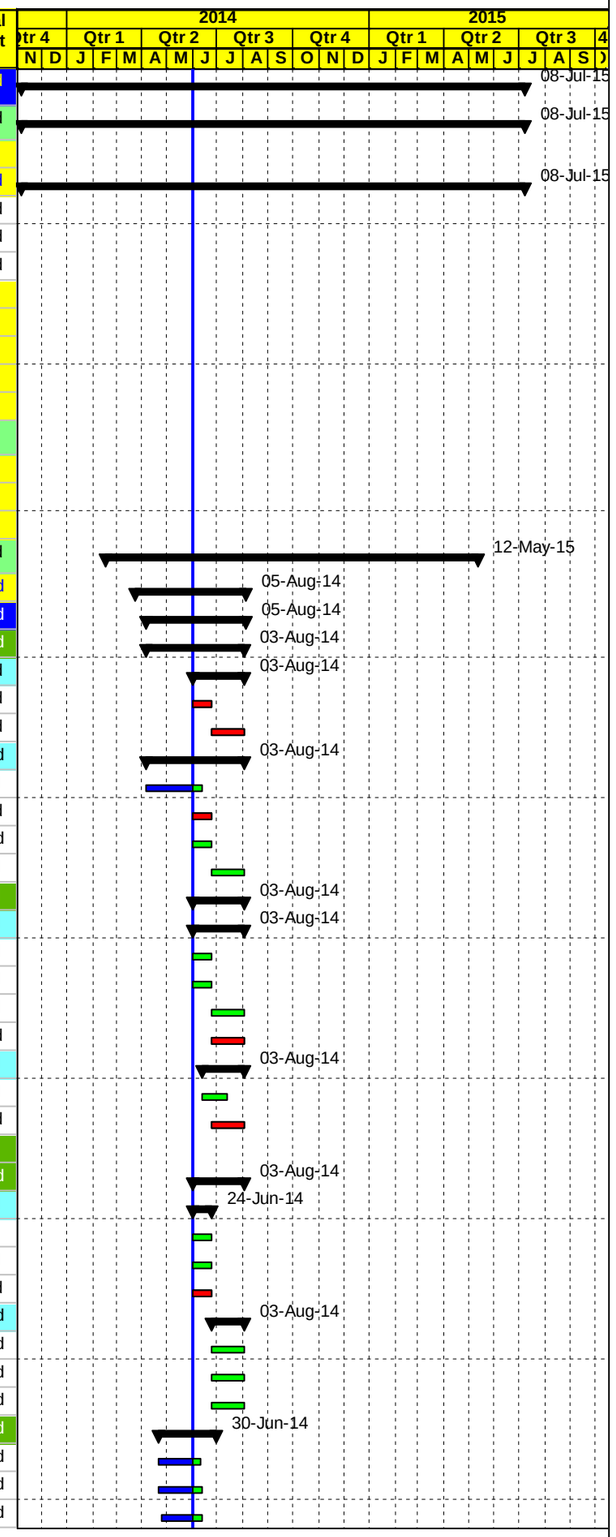
APCO/ArCon CONSTRUCTION AND SERVICES

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		432d		06-Nov-13 A	08-Jul-15	-54d
Milestones		404d		06-Nov-13 A	08-Jul-15	-54d
General Milestones		0d				0d
Task order Duration		539d		06-Nov-13 A	08-Jul-15	-70d
NHT0020	Project Duration (Calendar Days)	539d	25.38%	06-Nov-13 A	08-Jul-15	-70d
NHT0030	Project Duration (Working Days)	415d	24.32%	06-Nov-13 A	08-Jul-15	-60d
NHT0040	Construction Duration (Working Days)	326d	12.57%	26-Feb-14 A	04-Jun-15	-39d
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		378d		16-Feb-14 A	12-May-15	-10d
Construction Submittals		151d		24-Mar-14 A	05-Aug-14	199d
Shop Drawing Submittals		86d		06-Apr-14 A	05-Aug-14	199d
Plan Profile and Cross Sections		50d		06-Apr-14 A	03-Aug-14	188d
Plan Profile and Cross Sections for Group One		42d		01-Jun-14	03-Aug-14	-15d
NHT0600	SEG.A From Sta.-A1+500 to A2+250	21d	0%	01-Jun-14	24-Jun-14	-35d
NHT0620	Seg.C From sta.C0+000 to C0+330	21d	0%	25-Jun-14	03-Aug-14	-15d
Plan Profile and Cross Sections for Group Two		50d		06-Apr-14 A	03-Aug-14	188d
NHT0680	SEG.B From Sta. B0+000 to Sta. B0+985	21d	50%	06-Apr-14 A	12-Jun-14	50d
NHT0660	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	01-Jun-14	24-Jun-14	-15d
NHT0690	Access Roads	21d	0%	01-Jun-14	24-Jun-14	209d
NHT0670	SEG.A From Sta. 7+460 to Sta. A8+203	21d	0%	25-Jun-14	03-Aug-14	86d
Waterline		42d		01-Jun-14	03-Aug-14	40d
Waterline for Group One		42d		01-Jun-14	03-Aug-14	19d
NHT0730	100 mm Dia. Waterline for Hussan distribution pipe	21d	0%	01-Jun-14	24-Jun-14	19d
NHT0720	300 mm, 75 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+320 to Sta.A2+190	21d	0%	01-Jun-14	24-Jun-14	12d
NHT0735	150 mm Dia. Waterline for Battir distribution pipe	21d	0%	25-Jun-14	03-Aug-14	19d
NHT0715	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440	21d	0%	25-Jun-14	03-Aug-14	-35d
Waterline for Group Two		32d		12-Jun-14	03-Aug-14	40d
NHT0750	100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985	21d	0%	12-Jun-14	12-Jul-14	50d
NHT0745	200 mm, 150 mm & 100 mm Dia. Waterline Seg. A From Sta.A5+800 to Sta. 7+460	21d	0%	25-Jun-14	03-Aug-14	-15d
House connection		0d				0d
Valves		42d		01-Jun-14	03-Aug-14	145d
Civil Chambers		21d		01-Jun-14	24-Jun-14	31d
NHT0805	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	01-Jun-14	24-Jun-14	1d
NHT0815	Flow monitoring chamber @ sta. A5+725	21d	0%	01-Jun-14	24-Jun-14	31d
NHT0810	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	01-Jun-14	24-Jun-14	-43d
Mechanical		21d		25-Jun-14	03-Aug-14	145d
NHT0840	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers	21d	0%	25-Jun-14	03-Aug-14	145d
NHT0850	Flow monitoring chamber @ sta. A5+725	21d	0%	25-Jun-14	03-Aug-14	145d
NHT0845	300 mm flow monitoring chamber @ sta. A0+660	21d	0%	25-Jun-14	03-Aug-14	145d
Concrete walls		77d		22-Apr-14 A	30-Jun-14	303d
NHT0892-NEW	Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS	21d	50%	22-Apr-14 A	11-Jun-14	322d
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	50%	22-Apr-14 A	12-Jun-14	243d
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	50%	26-Apr-14 A	12-Jun-14	243d



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

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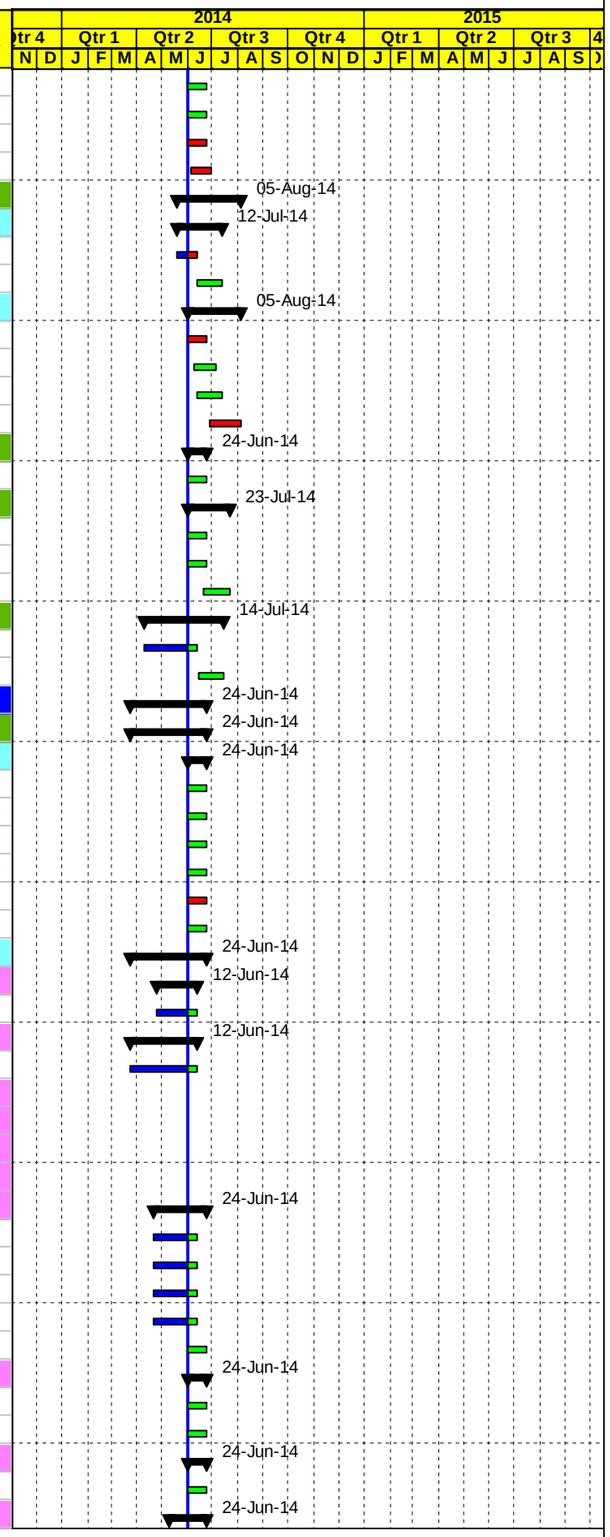
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT0900	Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	21d	0%	01-Jun-14	24-Jun-14	233d
NHT0880	Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	21d	0%	01-Jun-14	24-Jun-14	156d
NHT0930	Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	21d	0%	01-Jun-14	24-Jun-14	-41d
NHT0940	Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	21d	0%	05-Jun-14	30-Jun-14	-36d
Pipe and Box Culverts		44d		19-May-14 A	05-Aug-14	106d
Pipe and Box Culverts for Group One		28d		19-May-14 A	12-Jul-14	28d
NHT0980	1.5x1.5x15 M box culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS	21d	50%	19-May-14 A	12-Jun-14	-17d
NHT0990	1.5x15m Box box culvert @ Sta.A2+225	21d	0%	12-Jun-14	12-Jul-14	28d
Pipe and Box Culverts for Group Two		44d		01-Jun-14	05-Aug-14	106d
NHT1015	Dia.1000 mm of double pipe culvert @ Sta.A5+469	21d	0%	01-Jun-14	24-Jun-14	-36d
NHT1030	Dia.800 mm of pipe culvert @ Sta.A6+198 with outlet	21d	0%	09-Jun-14	05-Jul-14	21d
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	0%	12-Jun-14	12-Jul-14	118d
NHT1040	Storm concrete drainage system SEG.A From sta. A5+480 to A7+460 (1660 L.m)	21d	0%	28-Jun-14	05-Aug-14	-11d
Stone Walls		21d		01-Jun-14	24-Jun-14	143d
NHT1080	Stone wall from Sta.A3+360 to sta. A3+370 RHS	21d	0%	01-Jun-14	24-Jun-14	143d
Concrete curbstone and side walk		38d		01-Jun-14	23-Jul-14	173d
NHT1100	SEG.E From Sta. E0+000 to Sta.E1+276	21d	0%	01-Jun-14	24-Jun-14	164d
NHT1090	SEG.B From Sta. B0+000 to Sta. B0+985	21d	0%	01-Jun-14	24-Jun-14	190d
NHT1110	SEG.A From Sta.A5+800 to Sta. 7+460	21d	0%	21-Jun-14	23-Jul-14	51d
Others		72d		10-Apr-14 A	14-Jul-14	221d
NHT1150-new	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	21d	50%	10-Apr-14 A	12-Jun-14	243d
NHT1120	Street Lighting SEG.A from A5+800 TO 7+460 & B0+00 to B0+980	21d	0%	15-Jun-14	14-Jul-14	182d
Material Submittals		119d		24-Mar-14 A	24-Jun-14	230d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		119d		24-Mar-14 A	24-Jun-14	230d
Material Submittals Roads		21d		01-Jun-14	24-Jun-14	233d
NHT1350	Galvanized steel Handrail	21d	0%	01-Jun-14	24-Jun-14	210d
NHT1330	Street Lighting including poles	21d	0%	01-Jun-14	24-Jun-14	162d
NHT1340	Interlocking Blocks	21d	0%	01-Jun-14	24-Jun-14	233d
NHT1410	Lighting control	21d	0%	01-Jun-14	24-Jun-14	162d
NHT1220	Water proofing	21d	0%	01-Jun-14	24-Jun-14	-32d
NHT1323	Geocell	21d	0%	01-Jun-14	24-Jun-14	233d
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		119d		24-Mar-14 A	24-Jun-14	230d
Pipes		21d		26-Apr-14 A	12-Jun-14	243d
NHT1471-NEW	Pipe Expansion Joint	21d	50%	26-Apr-14 A	12-Jun-14	243d
Fittings		21d		24-Mar-14 A	12-Jun-14	95d
NHT1570	Bolts ,washers & nuts	21d	50%	24-Mar-14 A	12-Jun-14	95d
Gate Valves		0d				0d
Butterfly valves		0d				0d
Washout valve		0d				0d
Air relief valves and Pressure reducing valve		0d				0d
Water meters		60d		22-Apr-14 A	24-Jun-14	84d
NHT1770	Water meters PN40 at 200mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1780	Water meters PN16 at 150mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1790	Water meters PN16 at 200mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1800	Water meters PN25 at 100 mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1802	Water meter (prepaid)	21d	0%	01-Jun-14	24-Jun-14	84d
Manholes and chambers		21d		01-Jun-14	24-Jun-14	84d
NHT1830	Ladders steps	21d	0%	01-Jun-14	24-Jun-14	84d
NHT1840	Holding Jacks	21d	0%	01-Jun-14	24-Jun-14	84d
Control Valves		21d		01-Jun-14	24-Jun-14	84d
NHT1880	Remote Control Monitoring Flow water meterPN40,DN300	21d	0%	01-Jun-14	24-Jun-14	84d
Others		46d		10-May-14 A	24-Jun-14	233d



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

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APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
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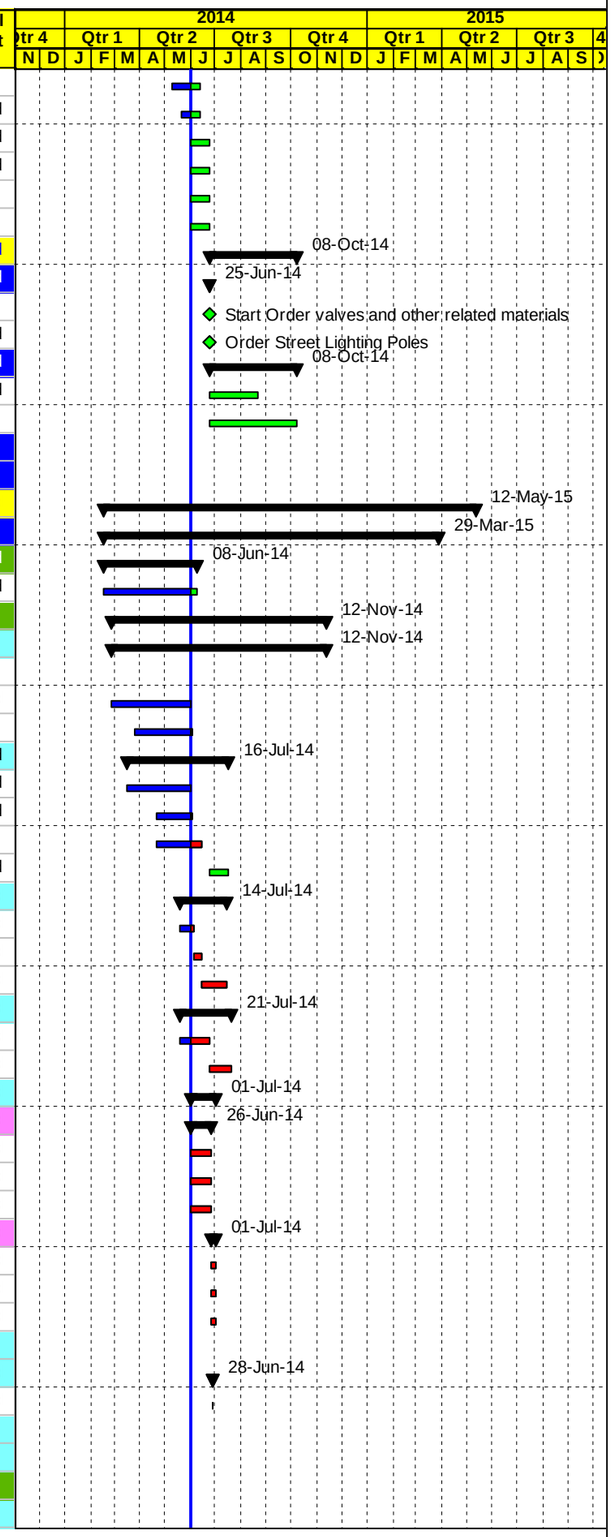
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT1950	Pressure Gauge With Needle Valve	21d	50%	10-May-14 A	12-Jun-14	95d
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	12-Jun-14	243d
NHT1960	Floor Boxes	21d	0%	01-Jun-14	24-Jun-14	166d
NHT1970	Electrical Tests and Commissioning	21d	0%	01-Jun-14	24-Jun-14	166d
NHT1940	Air Ventilation Pipes	21d	0%	01-Jun-14	24-Jun-14	84d
NHT1910	Epoxy Coating	21d	0%	01-Jun-14	24-Jun-14	84d
Procurements		81d		25-Jun-14	08-Oct-14	128d
Order		0d		25-Jun-14	25-Jun-14	162d
NHT2010	Start Order valves and other related materials	0d	0%	25-Jun-14		84d
NHT2020	Order Street Lighting Poles	0d	0%	25-Jun-14		162d
Manufacturing		89d		25-Jun-14	08-Oct-14	137d
NHT2050	Street Lighting Poles	50d	0%	25-Jun-14	22-Aug-14	176d
NHT2040	Valves and other related materials	89d	0%	25-Jun-14	08-Oct-14	93d
Delivery		0d				0d
Testing		0d				0d
Construction Work		363d		16-Feb-14 A	12-May-15	-10d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		311d		16-Feb-14 A	29-Mar-15	24d
Implementation traffic control and safety plan		14d		16-Feb-14 A	08-Jun-14	247d
NHT2505	Implementation traffic control and safety plan	14d	50%	16-Feb-14 A	08-Jun-14	247d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		142d		26-Feb-14 A	12-Nov-14	99d
Safety and Excavation		145d		26-Feb-14 A	12-Nov-14	98d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	26-Feb-14 A	12-Nov-14	98d
NHT2520	Excavation for reconstruction road From Sta. A0+000 To A0+720	21d	95%	26-Feb-14 A	02-Jun-14	-62d
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	21d	90%	26-Mar-14 A	03-Jun-14	-6d
Concrete Wall Crew one		84d		17-Mar-14 A	16-Jul-14	186d
NHT2560	Construct R.Concrete Retaining wall from Sta. A0+129to A0+200 RHS (71 LM)	14d	95%	17-Mar-14 A	01-Jun-14	177d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	90%	22-Apr-14 A	03-Jun-14	217d
NHT2590	Construct R.Concrete Retaining wall from Sta. A0+625 to A0+770 LHS (145 LM)	26d	50%	22-Apr-14 A	15-Jun-14	-2d
NHT2570	Construct R.Concrete Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	13d	0%	25-Jun-14	16-Jul-14	156d
Concrete Wall Crew two		37d		19-May-14 A	14-Jul-14	-48d
NHT2600	Construct R.Concrete Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	5d	8.5%	19-May-14 A	05-Jun-14	-48d
NHT2610	Construct R.Concrete Retaining wall from Sta. A0+800 to A0+840 LHS (40 LM)	8d	0%	05-Jun-14	15-Jun-14	-48d
NHT2620	Construct R.Concrete Retaining wall from Sta. A0+880 to A0+990 LHS (110 LM)	20d	0%	15-Jun-14	14-Jul-14	-48d
Box Culvert		41d		19-May-14 A	21-Jul-14	-37d
NHT2650	Construct 2.0x2.0x19 M box culvert @Sta. A0+590	23d	10.5%	19-May-14 A	24-Jun-14	-37d
NHT2660	Construct 1.5x1.5x12 M box culvert @Sta. A0+953	16d	0%	24-Jun-14	21-Jul-14	-37d
Pipe Installation		25d		02-Jun-14	01-Jul-14	-60d
300 mm main pipeline		21d		02-Jun-14	26-Jun-14	-60d
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	21d	0%	02-Jun-14	26-Jun-14	-62d
NHT2700	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (1210 LM)	21d	0%	02-Jun-14	26-Jun-14	-62d
NHT2710	Backfill the pipe trench with (single size aggregate) to the required level (1210 LM)	21d	0%	02-Jun-14	26-Jun-14	-60d
300 mm main pipeline with 75 mm dist. Pipe		4d		26-Jun-14	01-Jul-14	-60d
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%	26-Jun-14	01-Jul-14	-62d
NHT2682	Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (130 LM)	4d	0%	26-Jun-14	01-Jul-14	-62d
NHT2685	Backfill the pipe trench with (single size aggregate) to the required level 130 LM)	4d	0%	26-Jun-14	01-Jul-14	-60d
Chamber work		0d				0d
Testing		1d		28-Jun-14	28-Jun-14	-10d
NHT2755	Radiographic Testing (RT)	1d	0%	28-Jun-14	28-Jun-14	-10d
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		0d				0d
SEG.A From Sta.A1+440- A2+190 (Residential area)		0d				0d
Safety and Excavation		0d				0d



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

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APCO/ArCon CONSTRUCTION AND SERVICES

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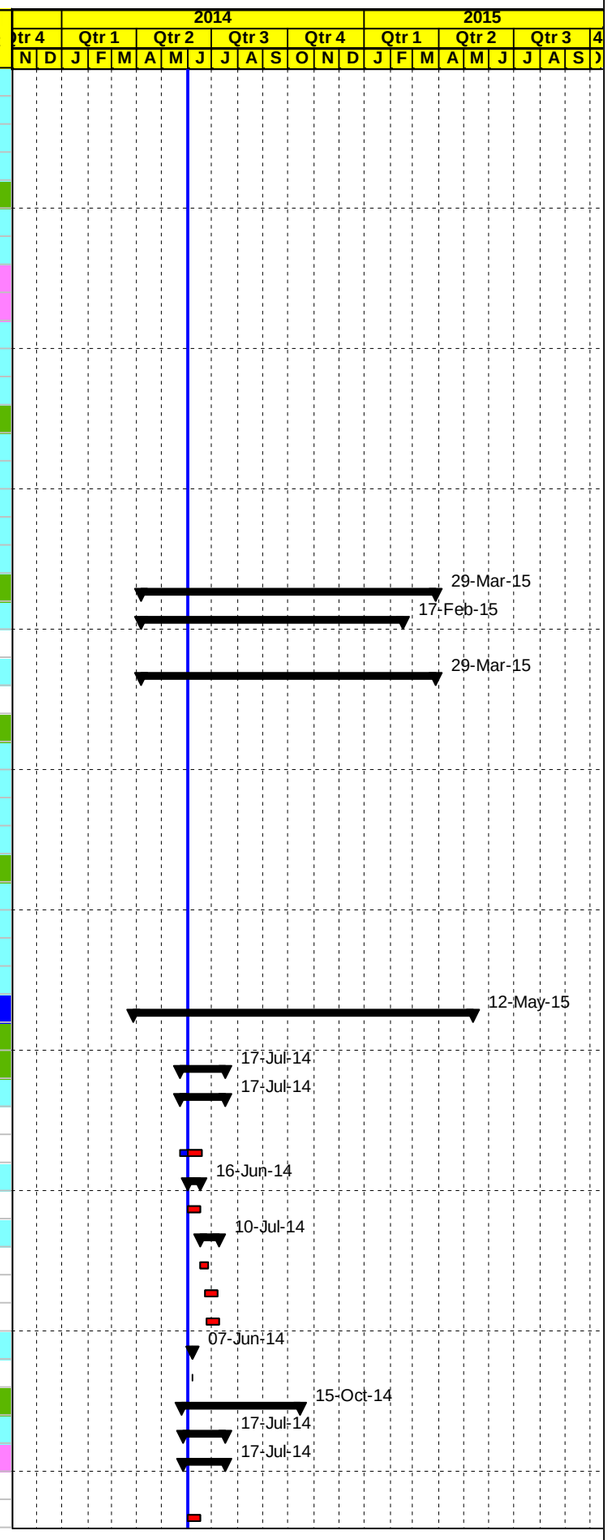
TO15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
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)		0d				0d
Safety, Excavation and Box Culvert		0d				0d
Pipe Installation		0d				0d
300 mm main pipeline with 75 mm dist. Pipe		0d				0d
300 mm main pipeline with 50 mm dist. Pipe		0d				0d
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		266d		05-Apr-14 A	29-Mar-15	2d
From Sta. E0+000 to Sta.E0+650		214d		06-Apr-14 A	17-Feb-15	33d
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	8.86%	06-Apr-14 A	17-Feb-15	33d
From Sta. E0+650 to Sta.E1+276		226d		05-Apr-14 A	29-Mar-15	2d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	0%	05-Apr-14 A	29-Mar-15	2d
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		343d		27-Mar-14 A	12-May-15	-33d
Implementation traffic control and safety plan		0d				0d
SEG.D From Sta.D0+518 to Sta.D0+000 (Non-Residential area)		128d		22-May-14 A	17-Jul-14	4d
Safety, Excavation and Concrete Works		68d		22-May-14 A	17-Jul-14	2d
NHT3450	Maintain traffic control and safety plan ,coordination for relocation utilities and others	39d	10.55%	22-May-14 A	17-Jul-14	2d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	24-May-14 A	19-Jun-14	-7d
Pipe Installation		14d		01-Jun-14	16-Jun-14	-7d
NHT3470	Install 300 mm main steel pipe line and cast concrete above supports (518 Lm)	14d	0%	01-Jun-14	16-Jun-14	-7d
Chamber work		17d		17-Jun-14	10-Jul-14	-4d
NHT3480	Construct - Butterfly Valve chamber @ Sta.D0+504	8d	0%	17-Jun-14	25-Jun-14	-4d
NHT3490	Construct - Wash out Valve chamber @ Sta.D0+500 & D0+080	11d	0%	22-Jun-14	07-Jul-14	-4d
NHT3500	Construct - AR/AV Valve chamber @ Sta.D0+110 & D0+068	11d	0%	24-Jun-14	10-Jul-14	-4d
Testing		1d		07-Jun-14	07-Jun-14	5d
NHT3515	Radiographic Testing (RT)	1d	0%	07-Jun-14	07-Jun-14	5d
SEG.A From Sta.A3+320 to Sta.A5+800		108d		25-May-14 A	15-Oct-14	-36d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		39d		26-May-14 A	17-Jul-14	-36d
Safety, Excavation, Culvert and Base course		39d		26-May-14 A	17-Jul-14	-36d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	14d	0%	26-May-14 A	17-Jul-14	-36d
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widening	14d	0%	01-Jun-14	16-Jun-14	-31d



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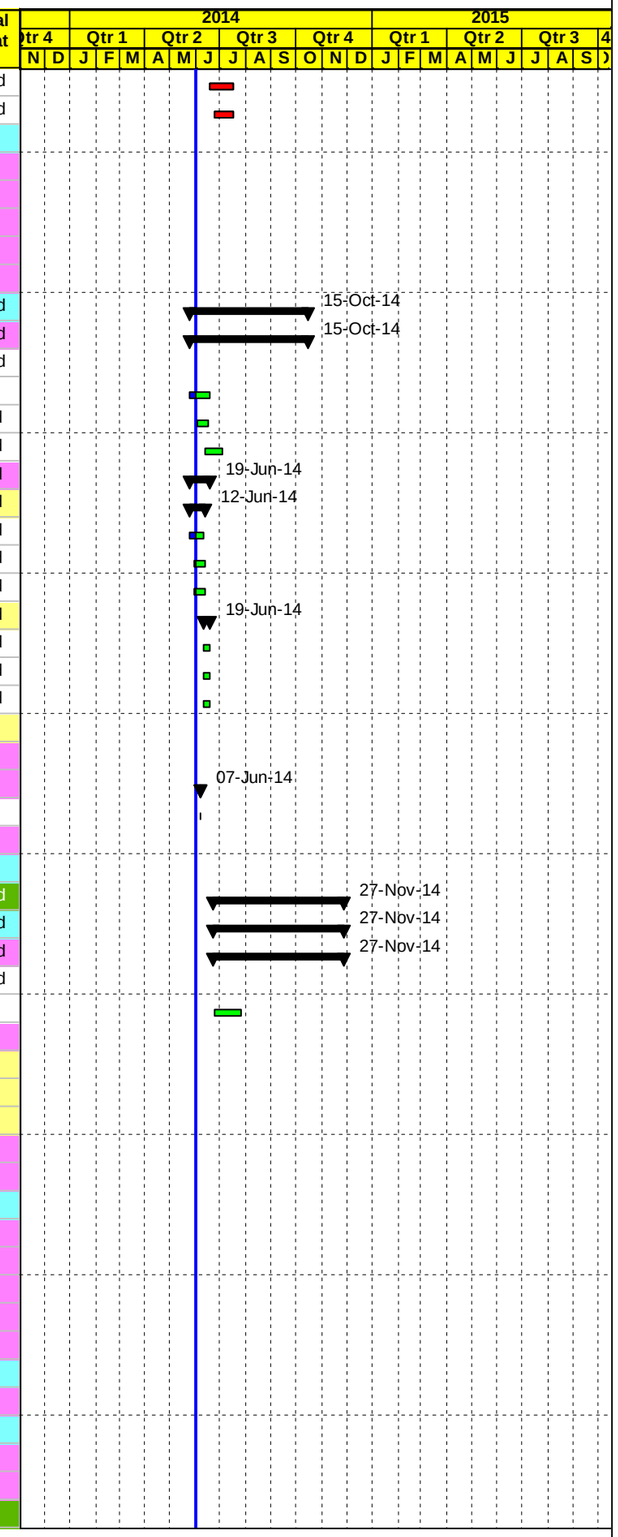
TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT3570	Subgrade and Install first and second layer of 20 cm base course for widening the road LHS	20d	0%	18-Jun-14	17-Jul-14	-36d
NHT3560	Construct -LHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with concrete outlet	14d	0%	25-Jun-14	17-Jul-14	-36d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		0d				0d
Safety, Excavation, Culvert , concrete channel and Basecourse		0d				0d
Pipe Installation		0d				0d
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)		102d		25-May-14 A	15-Oct-14	-36d
Safety, Excavation and Concrete Works		98d		25-May-14 A	15-Oct-14	-36d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	25-May-14 A	15-Oct-14	-36d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	10%	26-May-14 A	19-Jun-14	4d
NHT3720	Construct -RHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with inlet	12d	0%	04-Jun-14	17-Jun-14	26d
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%	12-Jun-14	03-Jul-14	14d
Pipe Installation		45d		26-May-14 A	19-Jun-14	21d
250 mm main pipeline		11d		26-May-14 A	12-Jun-14	25d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+434 with length approx. (874 LM)	11d	10%	26-May-14 A	11-Jun-14	12d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (874 LM)	11d	5%	31-May-14 A	12-Jun-14	25d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level (874 LM)	11d	5%	31-May-14 A	12-Jun-14	16d
250 mm main pipeline with 50 mm dist. Pipe		7d		11-Jun-14	19-Jun-14	12d
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+434 to A5+800 length approx. (366 LM)	7d	0%	11-Jun-14	19-Jun-14	12d
NHT3763	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (366 LM)	7d	0%	11-Jun-14	19-Jun-14	12d
NHT3766	Backfill the pipe trench with (single size aggregate) to the required level (366 LM)	7d	0%	11-Jun-14	19-Jun-14	12d
House connection		0d				0d
Chamber work		0d				0d
Testing		1d		07-Jun-14	07-Jun-14	4d
NHT3815	Radiographic Testing (RT)	1d	0%	07-Jun-14	07-Jun-14	4d
Base course		0d				0d
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		118d		22-Jun-14	27-Nov-14	-30d
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Residential area)		118d		22-Jun-14	27-Nov-14	-30d
Safety, Excavation, Pipe Culvert and storm system		118d		22-Jun-14	27-Nov-14	-36d
NHT3860	Maintain traffic control and safety plan ,coordination for relocation utilities and others	118d	0%	22-Jun-14	27-Nov-14	-36d
NHT3870	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	18d	0%	25-Jun-14	26-Jul-14	3d
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



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

Date	Revision	Checked	Approved
01-Jul-14			

APCO/ArCon CONSTRUCTION AND SERVICES

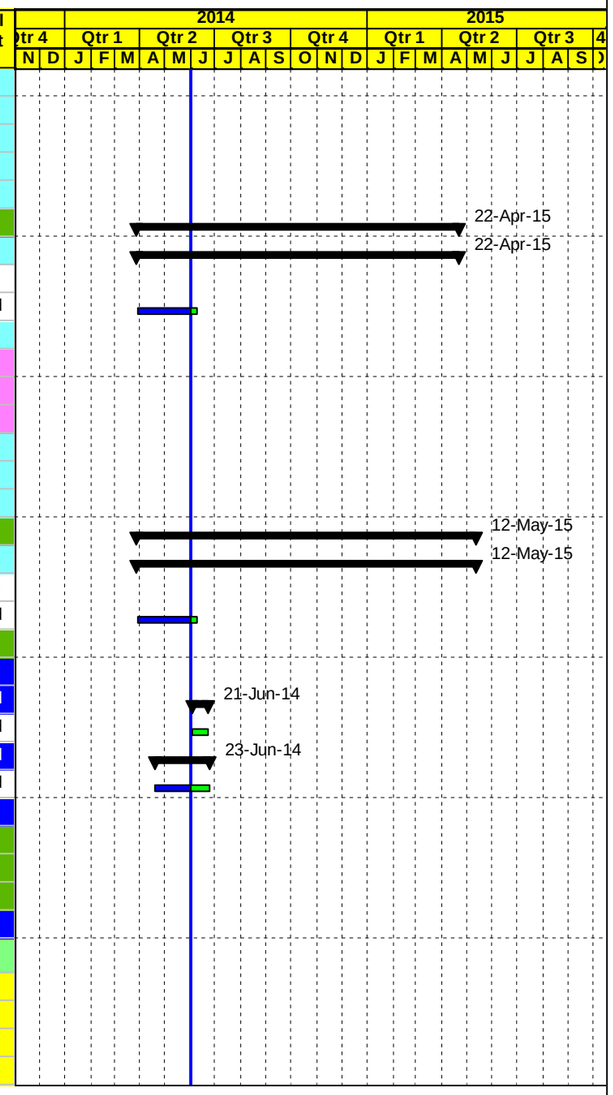
Construction Program

One Month Lookahead

TO15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
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)		78d		27-Mar-14 A	22-Apr-15	-25d
Safety, Excavation and Storm system		77d		27-Mar-14 A	22-Apr-15	-26d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	27-Mar-14 A	22-Apr-15	-26d
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	10d	20%	29-Mar-14 A	09-Jun-14	129d
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	12-May-15	-36d
Testing, Base course ,Side walk and Asphalt		300d		27-Mar-14 A	12-May-15	-36d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	27-Mar-14 A	12-May-15	-36d
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	9d	20%	29-Mar-14 A	09-Jun-14	187d
Asphalt for SEG. A5+800 to 8+203 A & B		0d				0d
Detours (If any)		0d				0d
Cancaled Activities		16d		03-Jun-14	21-Jun-14	228d
NHT3550	Construct -LHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with concrete outlet	16d	0%	03-Jun-14	21-Jun-14	228d
Miscellaneous activities - If any as location is not determined yet		21d		19-Apr-14 A	23-Jun-14	226d
NHT4810	Stone Wall	21d	5%	19-Apr-14 A	23-Jun-14	226d
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



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

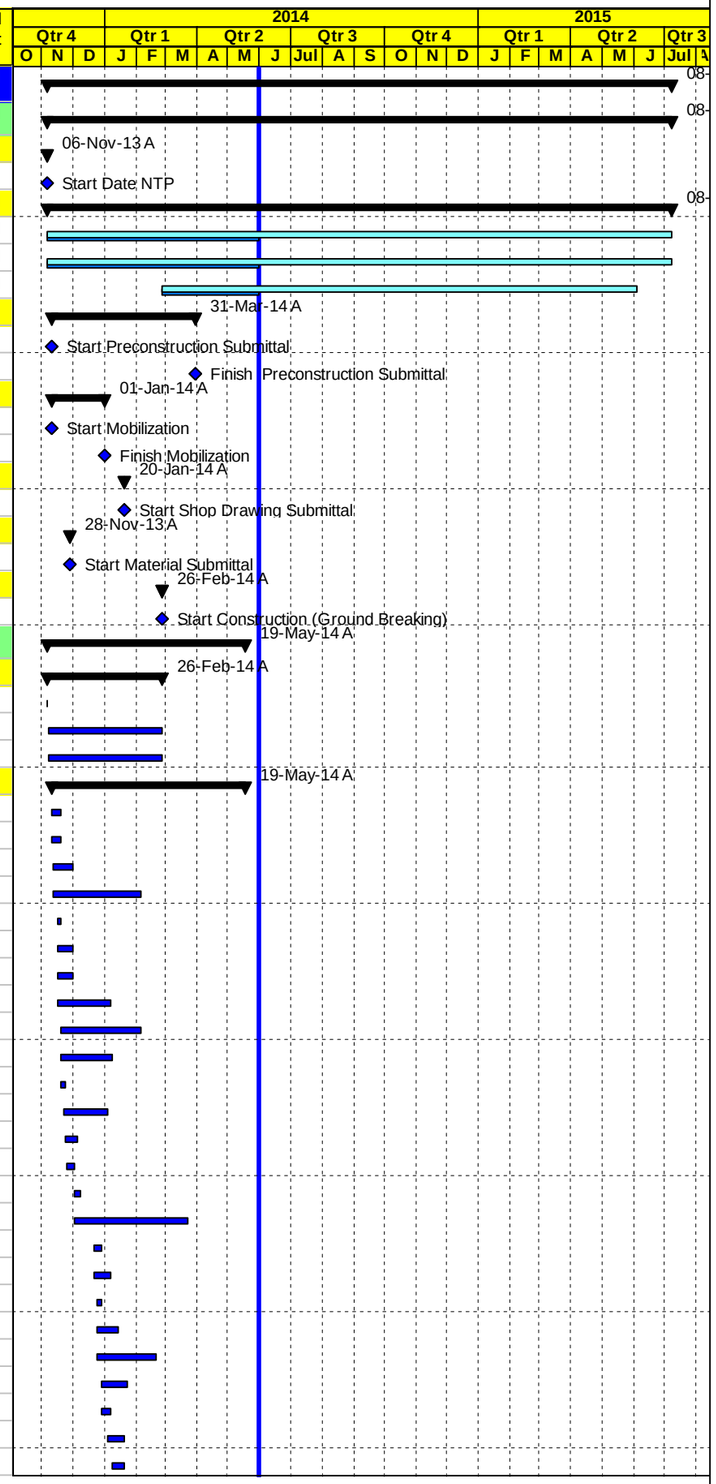
Date	Revision	Checked	Approved
01-Jul-14			

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		432d		06-Nov-13 A	08-Jul-15	-54d
Milestones		539d		06-Nov-13 A	08-Jul-15	-70d
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	08-Jul-15	-70d
NHT0020	Project Duration (Calendar Days)	539d	25.38%	06-Nov-13 A	08-Jul-15	-70d
NHT0030	Project Duration (Working Days)	415d	24.32%	06-Nov-13 A	08-Jul-15	-60d
NHT0040	Construction Duration (Working Days)	326d	12.57%	26-Feb-14 A	04-Jun-15	-39d
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	
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	



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

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

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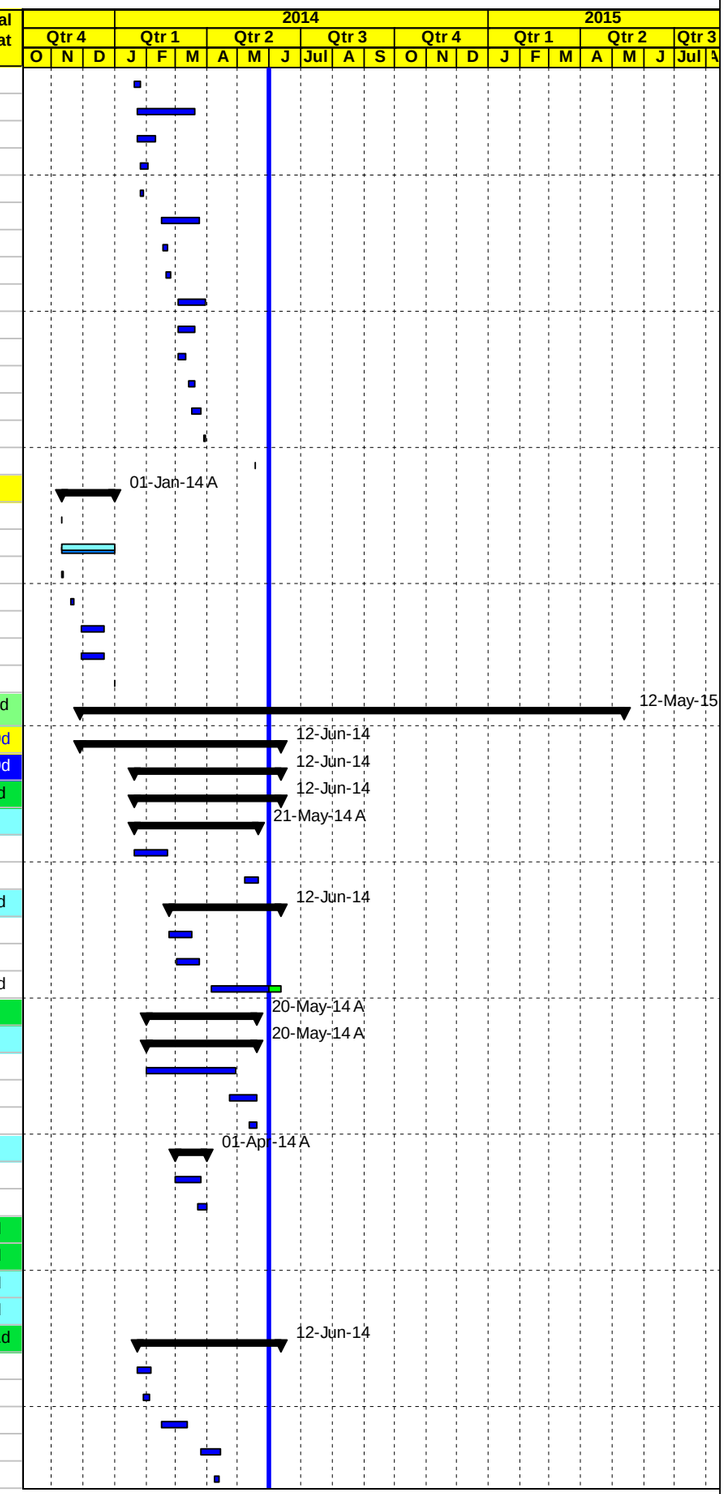
NHT0450	Welder Qualification procedure	10d	100%	21-Jan-14 A	26-Jan-14 A	
NHT0430	Welding procedure	10d	100%	23-Jan-14 A	20-Mar-14 A	
NHT0400	Traffic Control Plan Phase IA	10d	100%	23-Jan-14 A	10-Feb-14 A	
NHT0420	Public relation plan	10d	100%	27-Jan-14 A	03-Feb-14 A	
NHT0440	Third party testing lab	10d	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		432d		28-Nov-13 A	12-May-15	-10d
Construction Submittals		203d		28-Nov-13 A	12-Jun-14	239d
Shop Drawing Submittals		203d		20-Jan-14 A	12-Jun-14	239d
Plan Profile and Cross Sections		178d		20-Jan-14 A	12-Jun-14	50d
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	12-Jun-14	50d
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	50%	06-Apr-14 A	12-Jun-14	50d
Waterline		143d		02-Feb-14 A	20-May-14 A	
Waterline for Group One		99d		02-Feb-14 A	20-May-14 A	
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	
NHT0710-new	50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300	21d	100%	12-May-14 A	20-May-14 A	
Waterline for Group Two		90d		02-Mar-14 A	01-Apr-14 A	
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	
House connection		0d				0d
Valves		0d				0d
Civil Chambers		0d				0d
Mechanical		0d				0d
Concrete walls		186d		23-Jan-14 A	12-Jun-14	321d
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	



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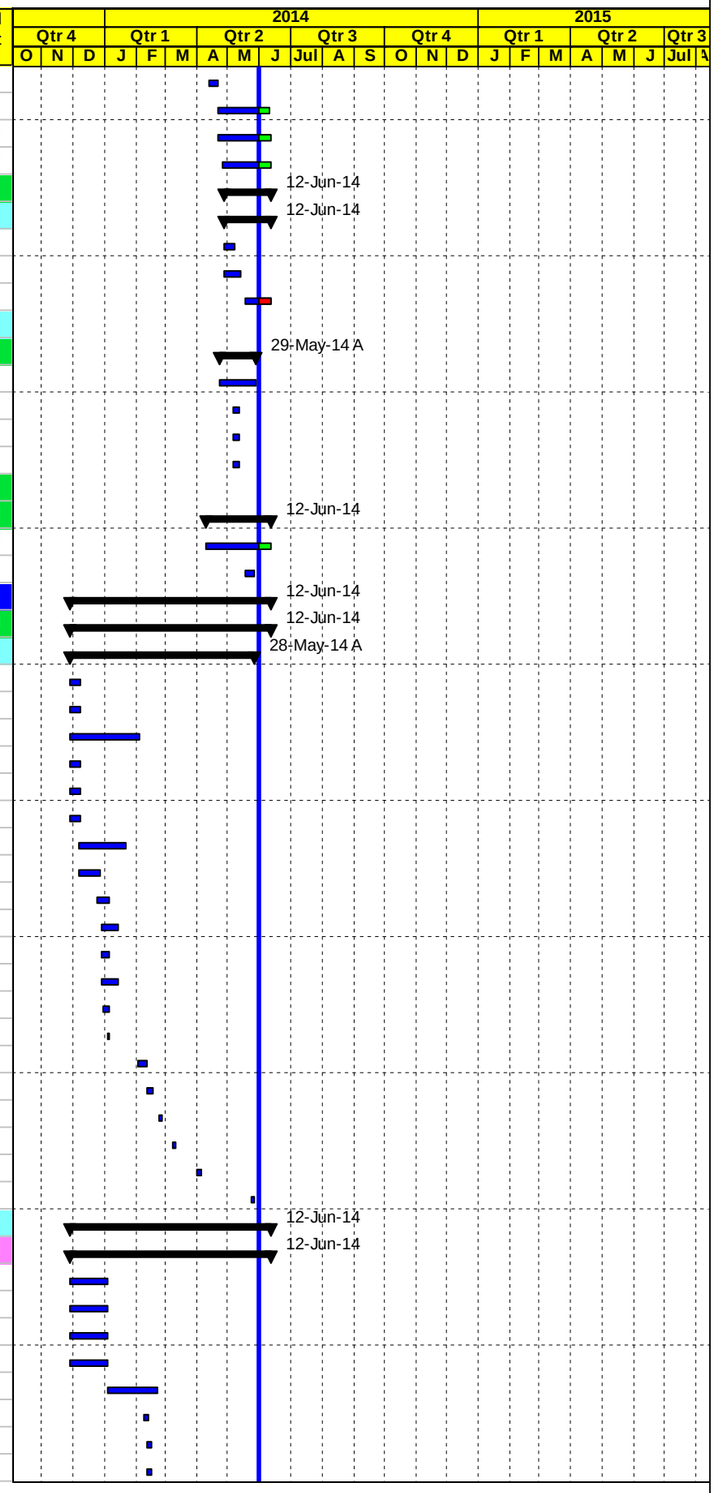
APCO/ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
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	50%	22-Apr-14 A	11-Jun-14	322d
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	21d	50%	22-Apr-14 A	12-Jun-14	243d
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	50%	26-Apr-14 A	12-Jun-14	243d
Pipe and Box Culverts		48d		28-Apr-14 A	12-Jun-14	-15d
Pipe and Box Culverts for Group One		42d		28-Apr-14 A	12-Jun-14	-17d
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	08-May-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+9	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	50%	19-May-14 A	12-Jun-14	-17d
Pipe and Box Culverts for Group Two		0d				0d
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	12-Jun-14	243d
NHT1150-new	10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700	21d	50%	10-Apr-14 A	12-Jun-14	243d
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	12-Jun-14	243d
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data		164d		28-Nov-13 A	12-Jun-14	243d
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	
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%	24-May-14 A	28-May-14 A	
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule		164d		28-Nov-13 A	12-Jun-14	243d
Pipes		143d		28-Nov-13 A	12-Jun-14	243d
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	



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

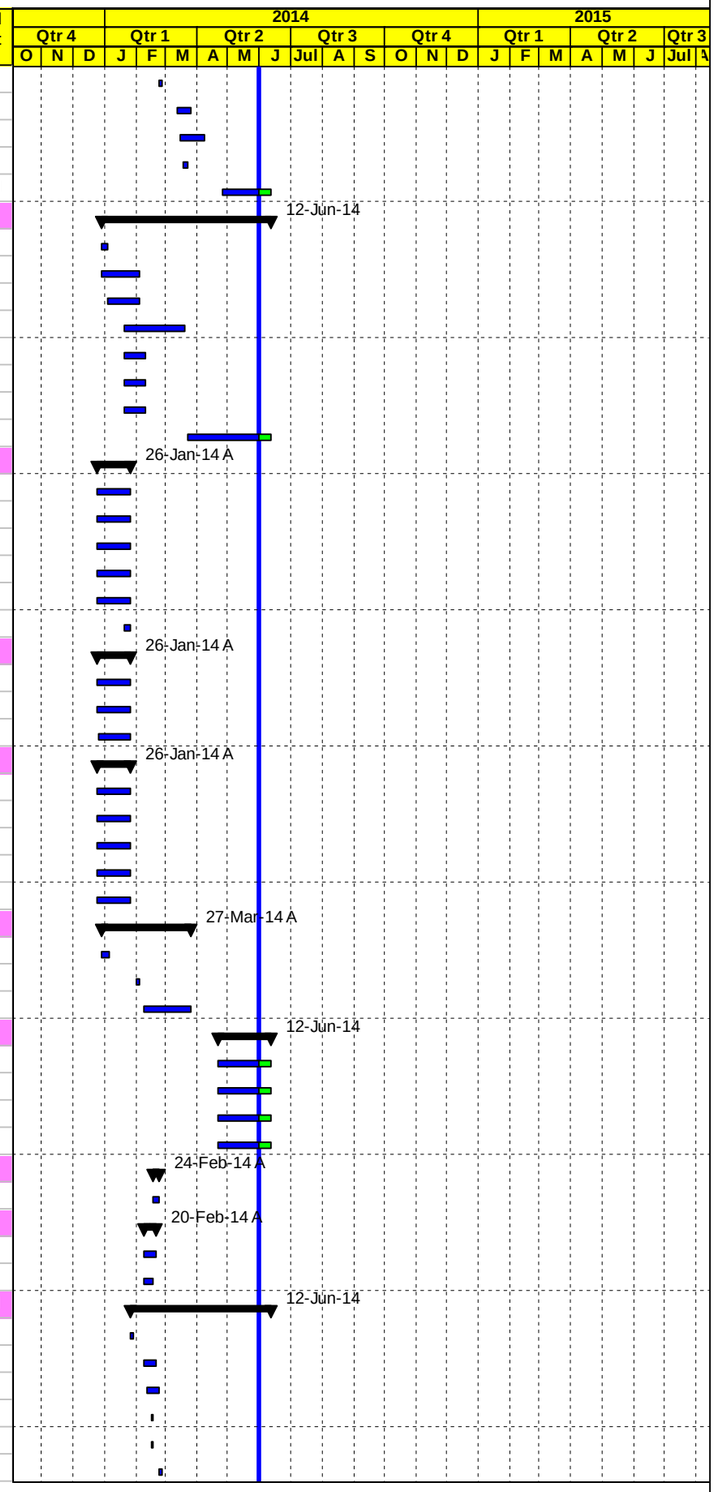
Date	Revision	Checked	Approved
01-Jul-14			

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
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	50%	26-Apr-14 A	12-Jun-14	243d
Fittings		36d		29-Dec-13 A	12-Jun-14	95d
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	50%	24-Mar-14 A	12-Jun-14	95d
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	
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	12-Jun-14	95d
NHT1770	Water meters PN40 at 200mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1780	Water meters PN16 at 150mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1790	Water meters PN16 at 200mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
NHT1800	Water meters PN25 at 100 mm pipe line	21d	50%	22-Apr-14 A	12-Jun-14	95d
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	12-Jun-14	243d
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	



◇ Milestone Early Bar
Actual Work
◆ Milestone Actual
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Critical Bar
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Summary

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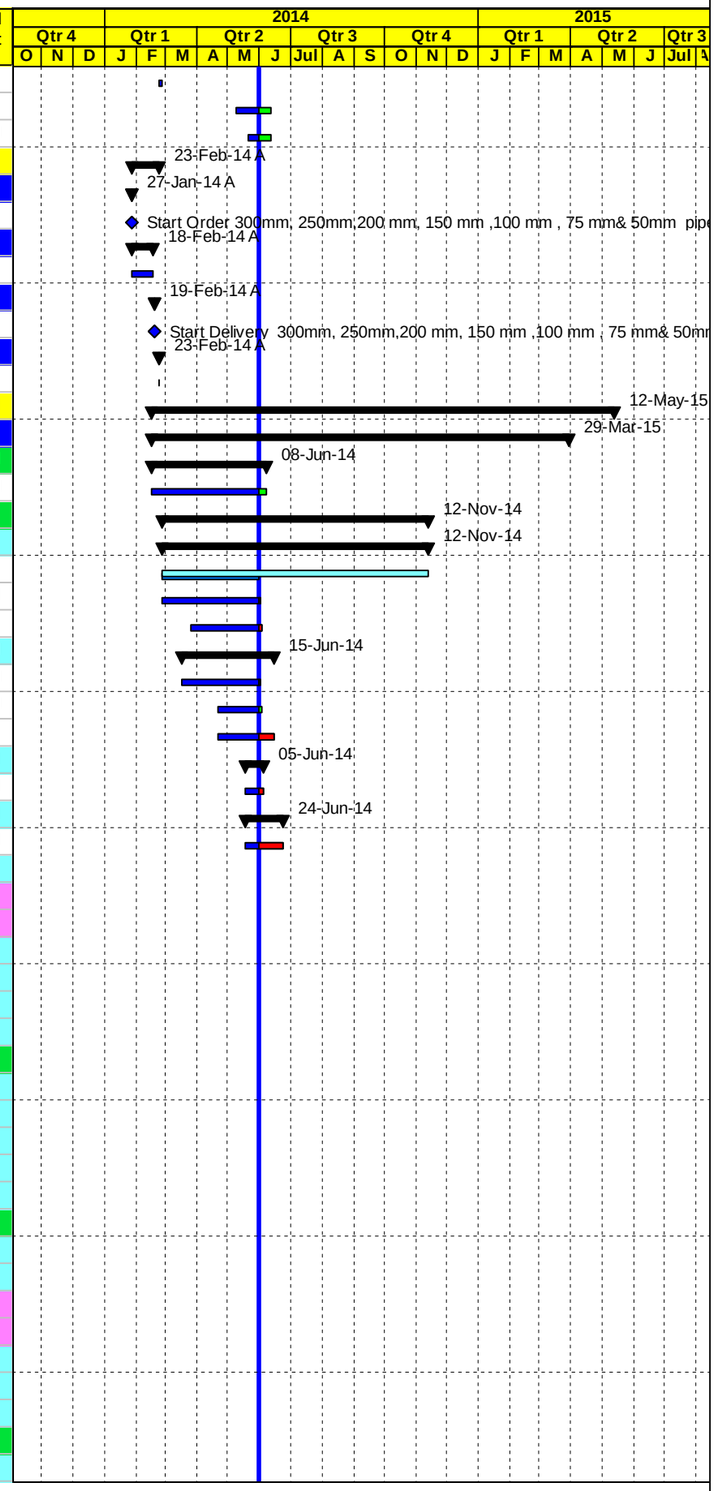
APCO ArCon
CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
NHT1930	Tie Rods	21d	100%	23-Feb-14 A	27-Feb-14 A	
NHT1950	Pressure Gauge With Needle Valve	21d	50%	10-May-14 A	12-Jun-14	95d
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	12-Jun-14	243d
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		363d		16-Feb-14 A	12-May-15	-10d
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes		311d		16-Feb-14 A	29-Mar-15	24d
Implementation traffic control and safety plan		14d		16-Feb-14 A	08-Jun-14	247d
NHT2505	Implementation traffic control and safety plan	14d	50%	16-Feb-14 A	08-Jun-14	247d
SEG.A From Sta.A0+000 to Sta.A1+440 (Non-Residential area)		142d		26-Feb-14 A	12-Nov-14	99d
Safety and Excavation		145d		26-Feb-14 A	12-Nov-14	98d
NHT2510	Maintain traffic control and safety plan ,coordination for relocation utilities and others	145d	20%	26-Feb-14 A	12-Nov-14	98d
NHT2520	Excavation for reconstruction road From Sta. A0+000 To A0+720	21d	95%	26-Feb-14 A	02-Jun-14	-62d
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	21d	90%	26-Mar-14 A	03-Jun-14	-6d
Concrete Wall Crew one		76d		17-Mar-14 A	15-Jun-14	207d
NHT2560	Construct R.Concrete Retaining wall from Sta. A0+129to A0+200 RHS (71 LM)	14d	95%	17-Mar-14 A	01-Jun-14	177d
NHT2580	Construct R.Concrete Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	26d	90%	22-Apr-14 A	03-Jun-14	217d
NHT2590	Construct R.Concrete Retaining wall from Sta. A0+625 to A0+770 LHS (145 LM)	26d	50%	22-Apr-14 A	15-Jun-14	-2d
Concrete Wall Crew two		5d		19-May-14 A	05-Jun-14	-48d
NHT2600	Construct R.Concrete Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	5d	8.5%	19-May-14 A	05-Jun-14	-48d
Box Culvert		23d		19-May-14 A	24-Jun-14	-37d
NHT2650	Construct 2.0x2.0x19 M box culvert @Sta. A0+590	23d	10.5%	19-May-14 A	24-Jun-14	-37d
Pipe Installation		0d				0d
300 mm main pipeline		0d				0d
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		0d				0d
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)		0d				0d
Safety, Excavation and Box Culvert		0d				0d
Pipe Installation		0d				0d
300 mm main pipeline with 75 mm dist. Pipe		0d				0d
300 mm main pipeline with 50 mm dist. Pipe		0d				0d
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



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

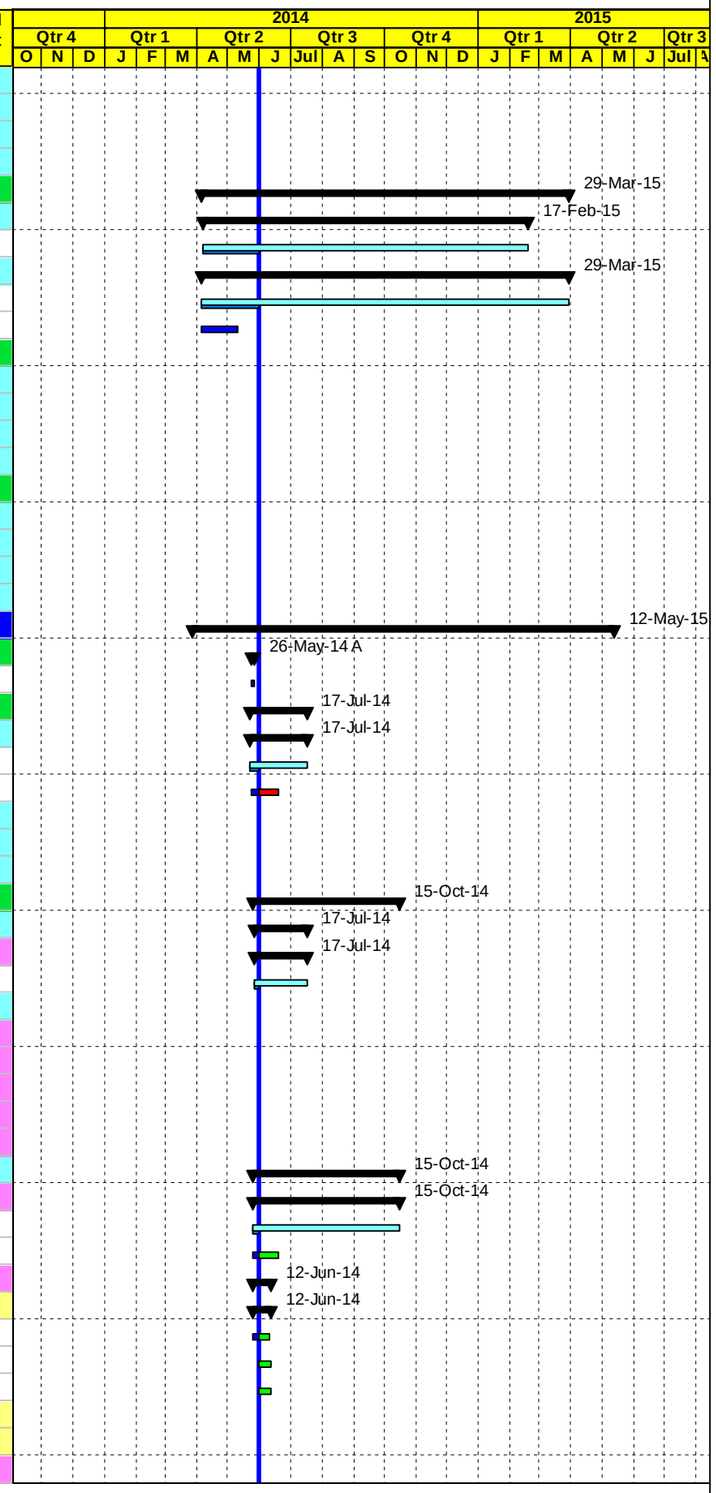
Date	Revision	Checked	Approved
01-Jul-14			

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
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	29-Mar-15	2d
From Sta. E0+000 to Sta.E0+650		214d		06-Apr-14 A	17-Feb-15	33d
NHT3180	Maintain traffic control and safety plan ,coordination for relocation utilities and others	214d	8.86%	06-Apr-14 A	17-Feb-15	33d
From Sta. E0+650 to Sta.E1+276		267d		05-Apr-14 A	29-Mar-15	2d
NHT3250	Maintain traffic control and safety plan ,coordination for relocation utilities and others	226d	0%	05-Apr-14 A	29-Mar-15	2d
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	
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		343d		27-Mar-14 A	12-May-15	-33d
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)		62d		22-May-14 A	17-Jul-14	3d
Safety, Excavation and Concrete Works		68d		22-May-14 A	17-Jul-14	2d
NHT3450	Maintain traffic control and safety plan ,coordination for relocation utilities and others	39d	10.55%	22-May-14 A	17-Jul-14	2d
NHT3460	Excavation and R.concrete foundation supports for main pipeline	18d	10%	24-May-14 A	19-Jun-14	-7d
Pipe Installation		0d				0d
Chamber work		0d				0d
Testing		0d				0d
SEG.A From Sta.A3+320 to Sta.A5+800		108d		25-May-14 A	15-Oct-14	-36d
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widening and Milling)		14d		26-May-14 A	17-Jul-14	-36d
Safety, Excavation, Culvert and Base course		14d		26-May-14 A	17-Jul-14	-36d
NHT3530	Maintain traffic control and safety plan ,coordination for relocation utilities and others	14d	0%	26-May-14 A	17-Jul-14	-36d
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widening and Milling)		0d				0d
Safety, Excavation, Culvert , concrete channel and Basecourse		0d				0d
Pipe Installation		0d				0d
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)		75d		25-May-14 A	15-Oct-14	-36d
Safety, Excavation and Concrete Works		71d		25-May-14 A	15-Oct-14	-36d
NHT3710	Maintain traffic control and safety plan ,coordination for relocation utilities and others	46d	2%	25-May-14 A	15-Oct-14	-36d
NHT3715	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	18d	10%	26-May-14 A	19-Jun-14	4d
Pipe Installation		14d		26-May-14 A	12-Jun-14	27d
250 mm main pipeline		11d		26-May-14 A	12-Jun-14	25d
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+434 with length approx. (874 LM)	11d	10%	26-May-14 A	11-Jun-14	12d
NHT3740	Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (874 LM)	11d	5%	31-May-14 A	12-Jun-14	25d
NHT3750	Backfill the pipe trench with (single size aggregate) to the required level (874 LM)	11d	5%	31-May-14 A	12-Jun-14	16d
250 mm main pipeline with 50 mm dist. Pipe		0d				0d
House connection		0d				0d
Chamber work		0d				0d



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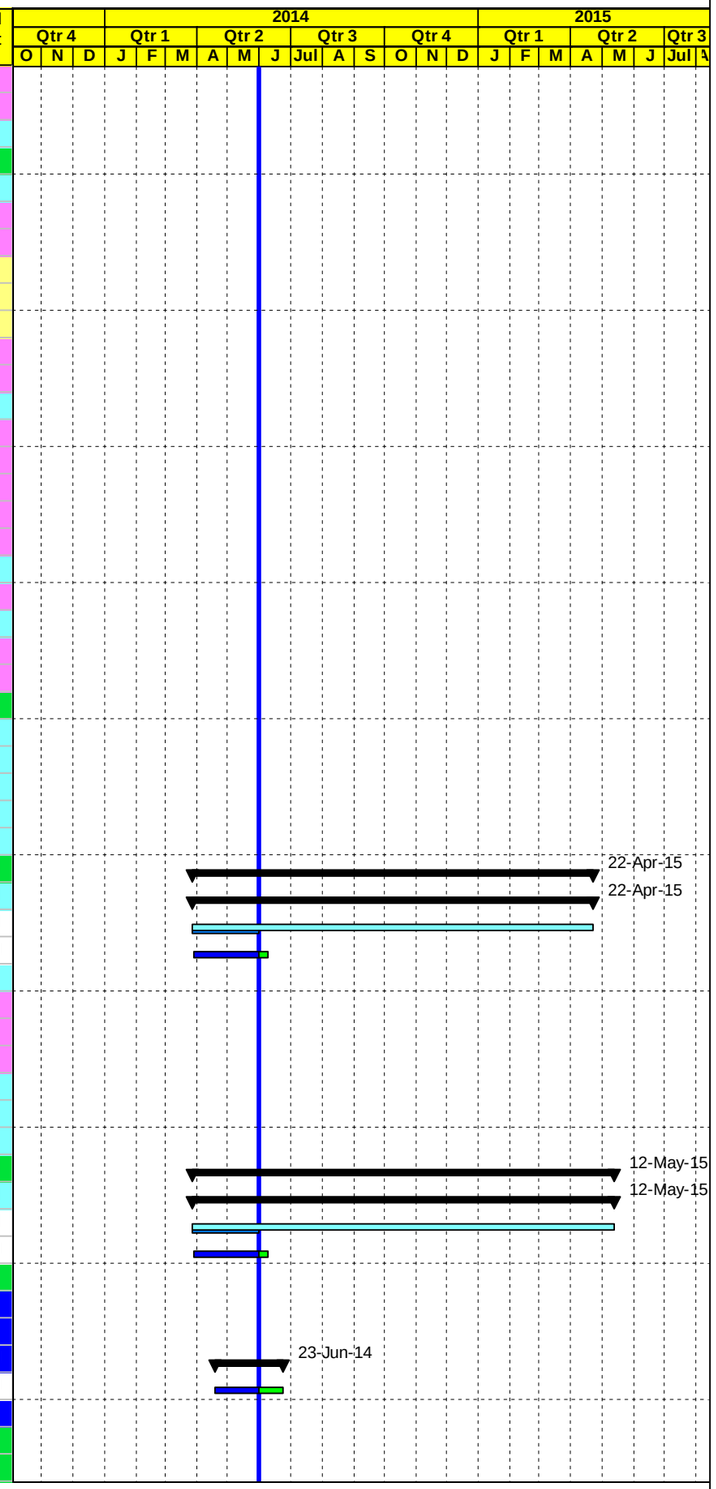
APCO ArCon CONSTRUCTION AND SERVICES

Construction Program
Completed & In Progress Activities

TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	Testing	0d				0d
	Base course	0d				0d
	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)	78d		27-Mar-14 A	22-Apr-15	-25d
	Safety, Excavation and Storm system	77d		27-Mar-14 A	22-Apr-15	-26d
NHT4470	Maintain traffic control and safety plan ,coordination for relocation utilities and others	77d	5%	27-Mar-14 A	22-Apr-15	-26d
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	10d	20%	29-Mar-14 A	09-Jun-14	129d
	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	12-May-15	-36d
	Testing, Base course ,Side walk and Asphalt	300d		27-Mar-14 A	12-May-15	-36d
NHT4630	Maintain traffic control and safety plan ,coordination for relocation utilities and others	45d	5%	27-Mar-14 A	12-May-15	-36d
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	9d	20%	29-Mar-14 A	09-Jun-14	187d
	Asphalt for SEG. A5+800 to 8+203 A & B	0d				0d
	Detours (If any)	0d				0d
	Cancaled Activities	0d				0d
	Miscellaneous activities - If any as location is not determined yet	21d		19-Apr-14 A	23-Jun-14	226d
NHT4810	Stone Wall	21d	5%	19-Apr-14 A	23-Jun-14	226d
	Final Mechanical connection	0d				0d
	Safety	0d				0d
	Mechanical	0d				0d



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TO15
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float
	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

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

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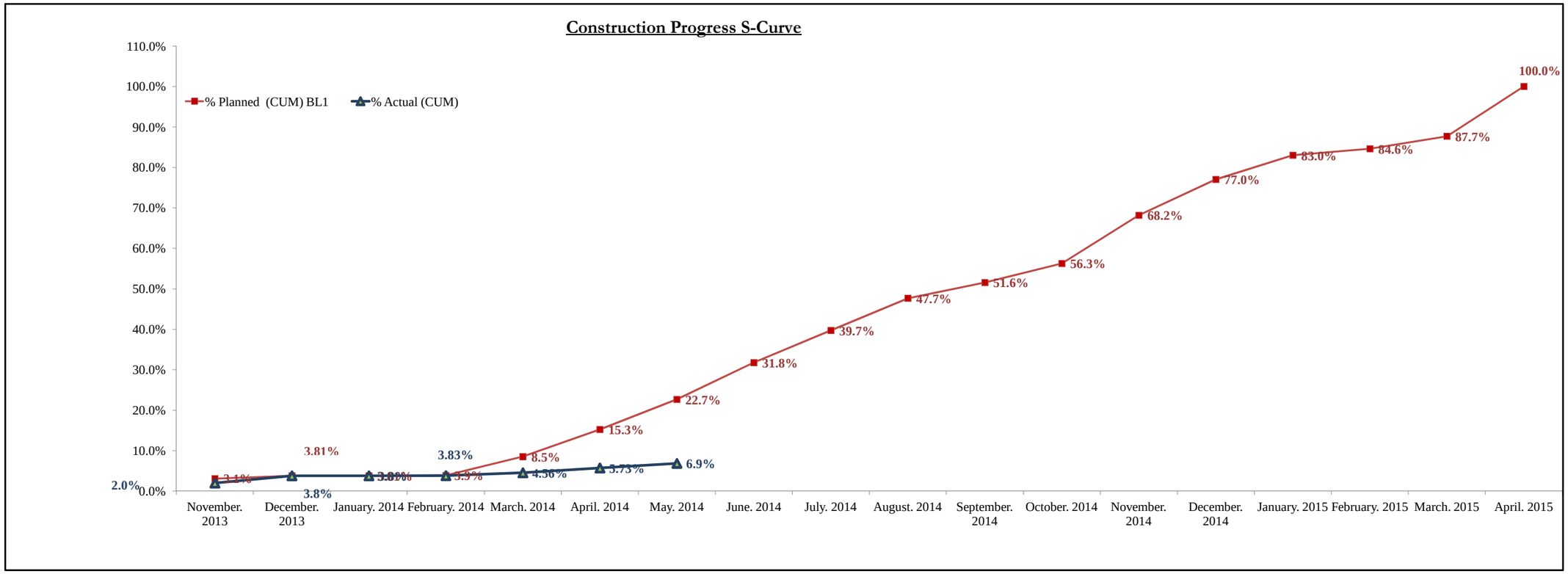
C | Progress S-Curve Versus Actual

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												$ 798,642
Actual Value (CUM)	$ 231,915	$ 442,472	$ 442,472	$ 444,867	$ 529,150	$ 666,082	$ 798,642												
% Actual	2.0%	1.8%	0.0%	0.02%	0.73%	1.18%	1.14%												6.9%
% Actual (CUM)	2.0%	3.8%	3.8%	3.83%	4.56%	5.73%	6.9%												



D | Site Memos Log

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SUBMITTAL				TRACKING DATES	
Spec. No.	Submittal 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

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SUBMITTAL				TRACKING DATES	
Spec. No.	Submittal 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

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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-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

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	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
	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

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	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-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

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	IR-13-00015-NHT-053-A	Final formwork for one side shutter of concrete protection 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 RHS	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
	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 highfrom 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

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	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
	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-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

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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-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
	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

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	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
	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

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	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		PE	
	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		PE	
	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		PE	
	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		PE	
	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		PE	
	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		PE	
	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 LH	05/31/14	06/01/14		PE	
	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		PE	
	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		PE	

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

F | Submittals Log for the Reporting Period

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	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

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	SUB-13-00015-NHT-044-A	Method Statement	NHT	P	12/29/13	01/28/14	01/06/14	8	C
	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

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	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
	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

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	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
	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

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TASK ORDER #15, NAHALEEN WATER PIPELINE
Submittals Register Log

SUBMITTAL					TRACKING DATES				Approval Status
Spec. No.	Submittal No	Description	Project	DV	Submitted on (M/D/Y)	Return Date AS Contract	Returned on (M/D/Y)	Review Days	(A,B,C,D,E)
	SUB-13-00015-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
	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

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	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
	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-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-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		PE	
	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

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	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
	SUB-13-00015-NHT-155-B	Revised Construction Schedule & S-curve (May 11,2014)	NHT	SCH	05/12/14	06/11/14		PE	
	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		PE	
	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-172-A	Joint sealant material -Thioflex 600	NHT	M	05/25/14	06/24/14	5/28/2014	3	B

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 retaining 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
	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

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	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
	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-032-A	Test report for concrete cube compressive strength (28 days) for stem of retaining wall from Sta.A 0+168 to Sta.A 0+195 at RHS -TC-14/394/B	NHT	05/27/14	06/26/14		PE	

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-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

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				Reviewed 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

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: May 31, 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							0			
July	2014						0	0			
August	2014						0	0			
September	2014						0	0			
Total of FY 2014							3276	138		2057	257
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.
Numbers are rounded to the nearest integer number.

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:May 01, 2014
PERIOD TO:May 31, 2014

DATE	Nahaleen Main Pipeline Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
May 1, 2014	3	4	13	18		38						
May 2, 2014	0	0	0	9		9						
May 3, 2014	3	4	17	19		42						
May 4, 2014	3	4	18	19		43						
May 5, 2014	3	4	18	19		44						
May 6, 2014	3	4	19	19		44						
May 7, 2014	3	4	21	19		46						
May 8, 2014	3	3	3	11		20						
May 9, 2014	0	0	0	9		9						
May 10, 2014	3	4	11	19		37						
May 11, 2014	3	4	19	17		42						
May 12, 2014	3	4	14	12		32						
May 13, 2014	3	3	17	15		37						
May 14, 2014	3	4	20	2		29						
May 15, 2014	3	3	20	15		41						
May 16, 2014	0	0	0	9		9						
May 17, 2014	3	3	19	15		40						
May 18, 2014	3	3	17	15		38						
May 19, 2014	3	3	22	18		46						
May 20, 2014	3	3	18	18		42						
May 21, 2014	3	3	23	18		47						
May 22, 2014	3	3	18	16		40						
May 23, 2014	0	0	0	9		9						
May 24, 2014	3	3	20	18		45						
May 25, 2014	3	3	21	22		48						
May 26, 2014	3	3	20	23		49						
May 27, 2014	3	3	18	22		46						
May 28, 2014	3	3	23	23		52						
May 29, 2014	3	3	18	23		47						
May 30, 2014	0	0	0	9		9						
May 31, 2014	6	3	27	27		63						
Sub Total of May	78	84	458	503	0	**1142**						

May, 2014	**Total Job Days**	**No of Full Time Equivalent (FTE) Jobs**
	1142	48

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

APCO/ArCon CONSTRUCTION AND SERVICES

Daily Work Force /May 2014

Date	Name of Contractor /Subcontractor	Worker/Classification (Hours)																											Man-days			
		Management								Engineer			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
May 1, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	13	18
	Subcontractor										16			8	8			40		48	64	24	12	12		16						
May 2, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
May 3, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	17	19
	Subcontractor										16			16	8			40		69	64	24	12	12		22						
May 4, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	18	19
	Subcontractor										16			16	8	8		40		69	64	24	12	12		22						
May 5, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	18	19
	Subcontractor										16			16	8			40		82	64	24	12	12		22						
May 6, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	19	19
	Subcontractor										16			16	8			40		84	64	24	12	12		22						
May 7, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	21	19
	Subcontractor										16			16	16	8		40		84	64	24	12	12		22						
May 8, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	3	11
	Subcontractor										8				16	8						24	24	24								
May 9, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
May 10, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	11	19
	Subcontractor										16			8	8			40		32	64	24	12	12		22						
May 11, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	19	17
	Subcontractor										16			16	8			40		85	48	24	12	12		20						
May 12, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	14	12
	Subcontractor										16			8	12	4				84	8	24	12	12		20						
May 13, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	17	15
	Subcontractor										8			16	8			16		92	32	24	12	12		20						
May 14, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	4	20	2
	Subcontractor										16			16	8			40		92	32	24	12	12		20						
May 15, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	20	15
	Subcontractor										8			16	8	8		40		90	32	24	12	12		20						
May 16, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								

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
May 17, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	19	15
	Subcontractor										8			16	8	8		40		82.5	32	24	12	12		20						
May 18, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	17	15
	Subcontractor										8			16	8			40		74	32	24	12	12		20						
May 19, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	22	18
	Subcontractor										8			16	20	6		90		42	60	24	12	12		20						
May 20, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	18	18
	Subcontractor										8			16				90		37.5	60	24	12	12		20						
May 21, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	23	18
	Subcontractor										8			16	12	4		90		59	60	24	12	12		20						
May 22, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	18	16
	Subcontractor										8			16	8			72		44	48	24	12	12		18						
May 23, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
May 24, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	20	18
	Subcontractor										8			24	8			56		74	64	24	12	12		18						
May 25, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	21	22
	Subcontractor										4			24	8			90		44.0	##	24	12	12		8						
May 26, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	20	23
	Subcontractor										8			24	8			90		38.5	##	24	12	12		20						
May 27, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	18	22
	Subcontractor										8			16	8			70		51	80	24	12	12		32						
May 28, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	23	23
	Subcontractor										8			24	8			90		60	90	24	12	12		32						
May 29, 2014	APCO/ArCon		8	8					8		8	8													8		8		3	3	18	23
	Subcontractor										8			24	8			90		24	##	24	12	12		20						
May 30, 2014	APCO/ArCon																												0	0	0	9
	Subcontractor																					24	24	24								
May 31, 2014	APCO/ArCon		8	8		24			8		8	8													8		8		6	3	27	27
	Subcontractor										8			24	8			110		76	##	24	12	12		32						
Total																													81	88	471	503

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	Changes of water scope and Pipeline alignment and changes in road alignment- segment E	Field requirement	M	Contractor/ CMC	Jan. 06 Joint walkthrough	2	1	2	Not determined yet	Delay in shop drawing preparation	Unknown	Intensive coordination with CMC/ PWA and local councils	Field requirement	In progress	
		Changes of water and road scope from St. 1+400 to St. 3+200 via SM#12 dated May 05	Field requirement	M	Contractor/ CMC	Progress meeting	2	1	2	Unknown	Unknown	Unknown	Shop drawings were prepared and approved, Intensive coordination with CMC/ PWA and local councils	Field requirement CMC/ PWA	Issue resolved after receiving modified design via Site memo No. 11 and 12 from CMC.	
2									0							
3	Owner								0							
4	USAID								0							
5	Contractor	Delay in starting waterline installation work	Absence of CWI	H	Contractor / CMC	Progress meeting	1	2	2	No cost impact	Delay in starting waterline installation work	Mitigate	APCO/ArCon submitted a replacement resume for USAID COR approval, approval was received on March 27th	Contactor	Issue resolved, CWI arrived on May 27, 2014. Issue resolved and water pipeline installation started.	
6	External								0							
7	Procurement								0							
8	Skills								0							
9	Complexity								0							
10	Resources								0							
11	Communications								0							
									0							