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MONTHLY PROGRESS REPORT

TASK ORDER NO. 13-00015

Nahaleen Main Pipeline Project (NHT)

APCO/ArCon

January, 2014

MONHTLY TASK ORDER PROGRESS REPORT

INFRASTRUCTURE NEEDS PROGRAM

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

From Jan.01, 2014 to Jan.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 (shared among 3 Projects):
Eng. Naim Fannoon T.O.M
Eng. Monther Ibhais- Q.C.M
Eng. Ahmad Najajreh- S.E.O
Eng. Motasem Abu Rayyan- P.E
Eng. Tahir Sife- C.W.I

Monthly Progress Report number 03

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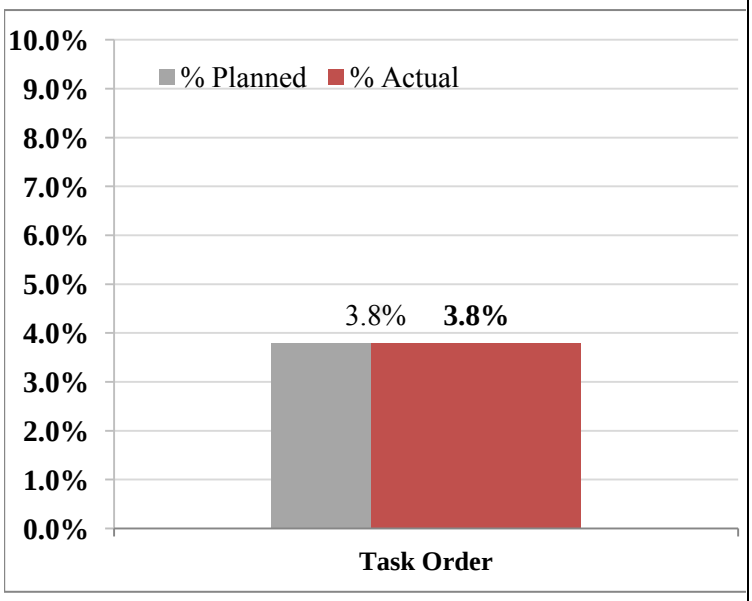
TASK ORDER OVERVIEW:

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	Not Started Yet.
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	3.8% (CPM not approved yet)
Actual Percentage of Completion	3.8% (CPM not approved yet)



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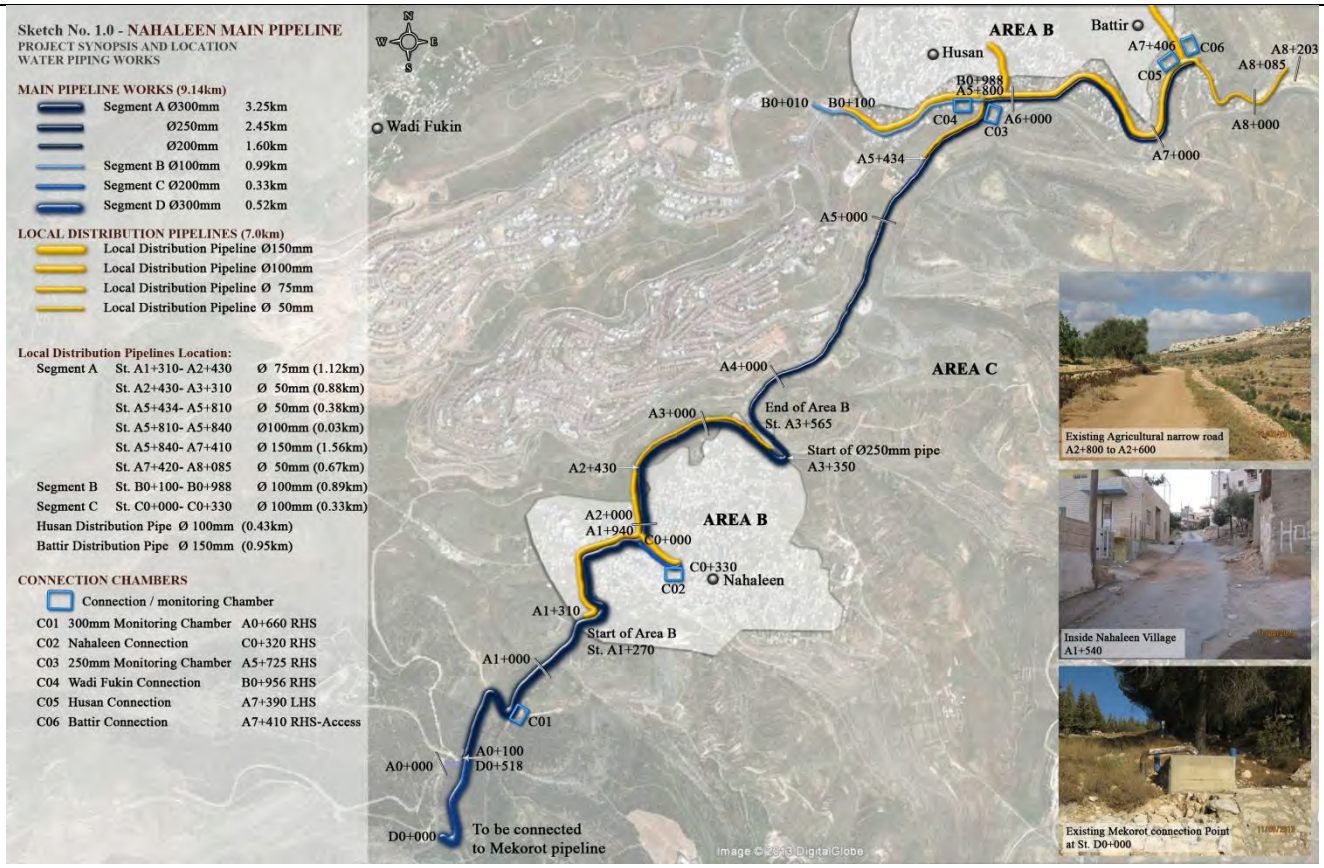

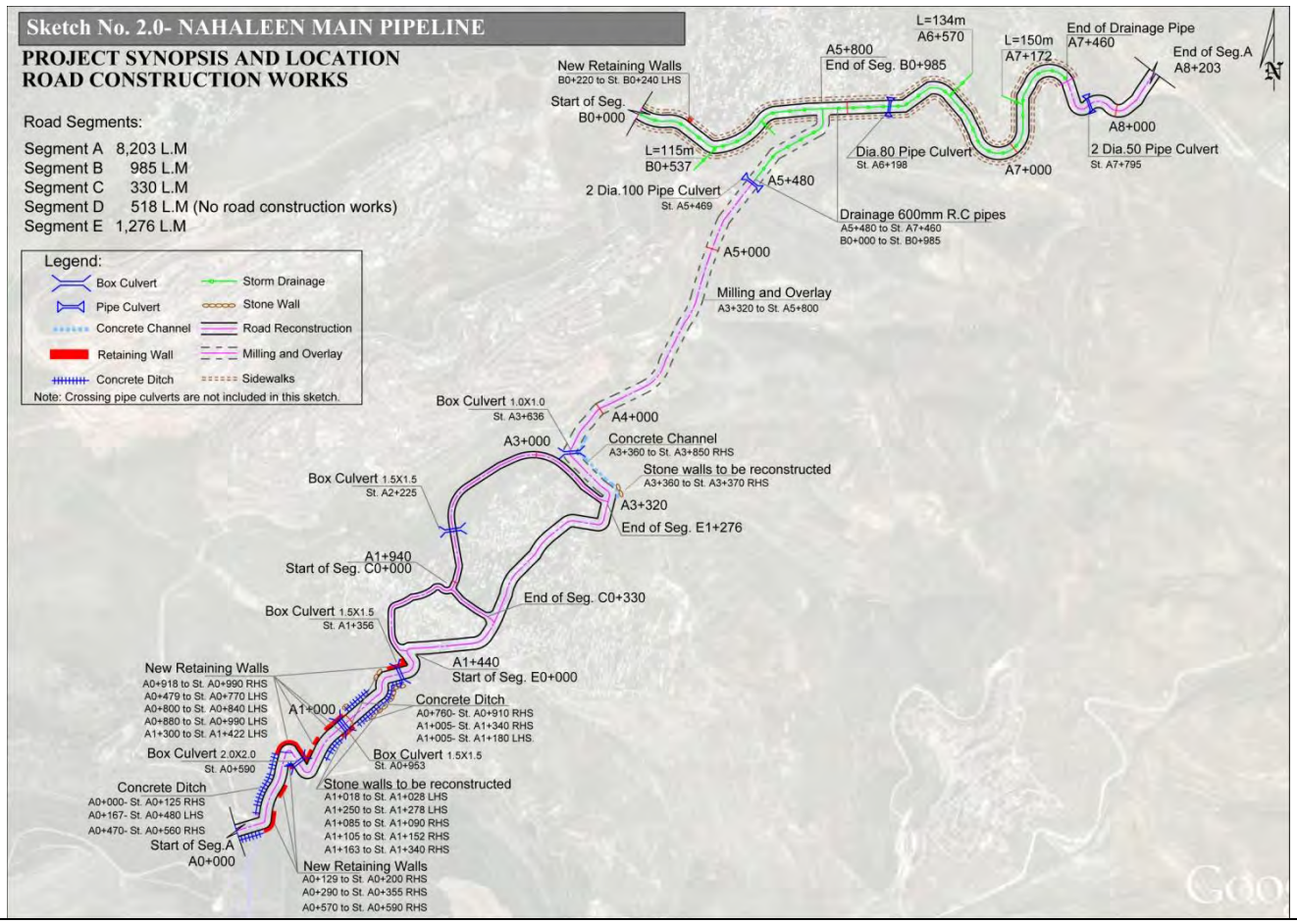

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SAFETY:
A comprehensive health and safety program plan addressing safety standards for the various construction activities was developed and submitted to CMC. Approval received on Jan. 09, 2014. APCO/ArCon conducted a 30 hour OSHA safety training for all the Safety officers.

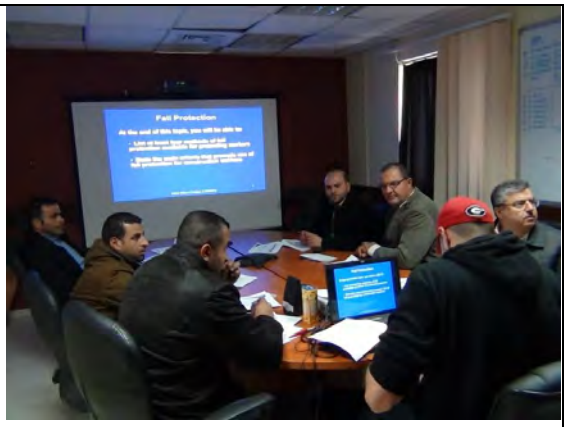

Figure 01- 30 hour OSHA training

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.

TRAFFIC CONTROL MEASURES:
Traffic control plan preparation was sourced out to specialty engineering firm and is under progress. For road segments that are located in Area B, copies were stamped and approved by the Traffic Higher Council at the Palestinian Ministry of Transport and local councils. Copies of the approved traffic plan to MOPWH, Police Station, Local Municipalities and Councils that have jurisdiction over the work area. Verbal approval received on Jan. 26, 2013 on traffic control plan for road segments located in Area C, Stamped copies will be submitted to CMC as soon as received from the DCL. Nahaleen Eastern Entrance road was opened upon DCL site visit and verbal approval. This will facilitate traffic control implementation.
Written DCL approval to allow work start was not received and it is pending Israeli approval process. Although verbal approval received to open Nahaleen eastern entrance was granted and gate installed to allow passage of local traffic during day hours, the gate remained closed at direction of Israeli DCL. The contractor started developing alternate traffic plan in the event DCL approval is delayed or not granted. Contractor will have to change implementation method to allow for construction and public traffic to use the road which will slow the process. Should DCL approval be seriously delayed contractor will seek USAID assistance.

COMMUNITY OUTREACH, PUBLIC INFORMATION AND GENDER CONSIDERATION:

Coordination with local authorities plan was submitted to CMC. Coordinations with local councils and utility owners were conducted to introduce the new task order scope, construction plan and request as builts for existing underground utilities as detailed in below coordination log. Temporary and Permanent sign plan (approved text and fabrication) were submitted to CMC and approved, temporary signs were installed.

Public relation plan was submitted CMC addressing our community outreach and public information including proposed language for projects flyers.

Figure 02- A meeting was arranged through Nahaleen village council on Jan.23,2014 at 7PM with all land owner involved in road segment A from St.0+00 to St.1+400.

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

Date	Attendees	Subject	Description
Jan. 07, 2014	Bethlehem DCL- Int. Org. Liaison Officer: Lt. Yotam Tzairi Head of DCL: Lt. Col. Eyal Ze'evi APCO- Mahmoud Jaradat	Coordination Meeting	Coordinate the possibility of opening Nahaleen. East Entrance and the needed requirements to obtain an approval.
Jan. 21, 2014	Nahaleen Village Council: Ibrahim Shakarneh. APCO: Eng. Naim Fanoon(TQM)	Coordination Meeting	Coordination with Nahaleen Village Council and land owners, and handing over center line from St.0+000 to St.8+200.
Jan. 22 , 2014	APCO: Eng Naim (TOM), Ahmad Najajrah , Monther Ibhais (QCM), Motasem Abu Rayyan, 'Najim Saymuah', B&V: Jamil Awwad , Nimer Rjoub, Adnan Azazmeh, Islam Qawasmeh, Mostafa Mohammad, Abdelkarim Siag.	Bi-weekly progress meeting	Review work progress and discuses project issues.
Jan. 23, 2014	Bethlehem DCL- Int. Org. Liaison Officer: Lt. Yotam Tzairi APCO- Mahmoud Jaradat	Coordination Meeting	Coordinate the possibility of opening Nahaleen. East Entrance and the needed requirements to obtain an approval.
Jan. 23, 2014	APCO: Naim Fanoon(TQM), Monther Ibhais(QCM) AL-Tarifi Subcontractors: Eng. Abdelghader Hanayshah , Mr. Wael Shraiteh	Technical Meeting	Discuss work progress and prepare a plan for 2 weeks look ahead works, submittals and needed coordination meetings.
Jan. 27, 2014	USAID representatives Black & Veatch representatives Sub-contractors representatives. APCO/ArCon representatives.	Monthly contracting officer's Meeting	APCO/ArCon briefly discussed all task orders progress, obstacles and challenges.

SITE VISITORS:
During this reporting period, the following visits have occurred:

Date	Company	Location	Description
Task Order 15			
Jan 6 , 2014	PWA-Tahir Safi	Nahaleen	Walkthrough in Hussan – Wad Fukeen for Seg.B St(0+000) to St(0+980)
Jan 15 , 2014	PWA-Tahir Safi	Nahaleen	Attending walkthrough for Seg. A St(5+820) to St(7+400)
Jan 16 , 2014	PWA-Tahir Safi	Nahaleen	Marking center line for Seg. A and B
Jan 18 , 2014	PWA-Tahir Safi	Nahaleen	Marking center line for Seg. A and B
Jan 20 , 2014	PWA-Tahir Safi	Nahaleen	Attending walkthrough from St(7+260) to St(8+200)
Jan 21 , 2014	Nahaleen Village Council : Ibrahim Shakarneh	Nahaleen	Handing over center line from St(0+000) to St(8+200)

MATERIAL OR EQUIPMENT DELIVERED TO SITE:

Construction activities did not commence yet, Please refer to **Annex A-** Equipment and Material receiving log.

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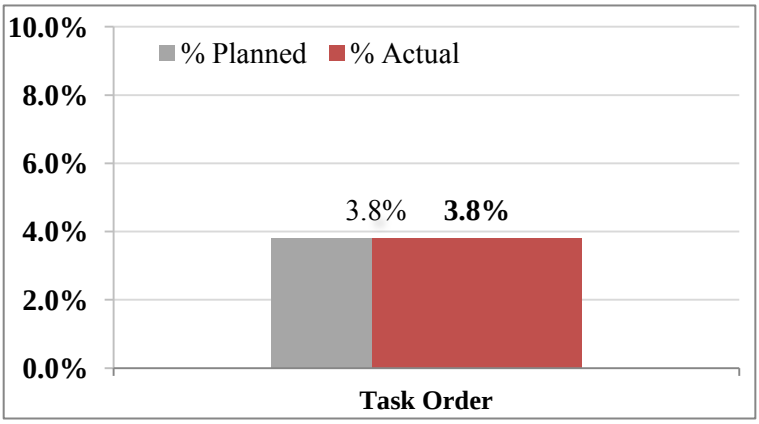
PROGRESS and SCHEDULING:

% of Completion:

- Pre-construction Submittals 100%
- Survey Works 100%
- Field offices 100%
- IT Equipment 100%
- Temporary Signs installation 100%
- Shop drawing preparation 18%



Overall percentages of completion are :

Completion%	T.O
Planned % proposed baseline	**3.8%**
Actual %	**3.8%**

Refer to **Appendix C** Progress s-curve planned versus Actual. (Not approved Yet by USAID)

ACTIVITIES DURING THIS REPORTING PERIOD:

- Continue survey works
- Continue preparation and submitting of material submittals.
- Finish mobilization works (material dumping and staging area and IT equipment).
- Continue Shop drawing preparation work.
- Continue Installing fence, lights and gates for storage yard and detour road.
- Start Ordering 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm and 50mm pipes and fittings

PLANNED ACTIVITIES FOR NEXT MONTH:

- Continue submittals preparation for materials, and shop drawings.
- Start implementation of traffic control plan and detour.
- First delivery of 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm and 50mm pipes and fittings
- Start Excavation for road widening and slope cut from Sta.A3+320 to Sta.A4+560 RHS.
- Start Excavation for reconstruction road From Sta.A0+000 to Sta.A1+440.
- Start Construction of retaining wall from Sta. A0+129 to A0+200 RHS.

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

Project 01-

Total Road reconstruction (100% Completed)	0.00 Km
Target value	10.8 Km
Number of kilometers constructed or repaired through end of this reporting period=	**0.00** Km

Project 02-

Total Pipelines installed (100% Completed)	0.00 Km
Target value	16.38 Km
Number of kilometers of pipelines installed through end of this reporting period.	**0.00** Km

WORKING / NON-WORKING DAYS

1	Total Period of Performance (Original)	540
2	Total Excusable delays/approved extensions	0
3	Modified Period of Performance	---
4	Modified Completion Date	---
5	No. of Working Days during this reporting Period	26
6	Accumulated Working Days	67
7	Total No. of non-working days (Holidays and weekends) during this reporting Period	5
8	Accumulated non-working days (Holidays and weekends)	13
9	No. of other non-working days during this month**	0
10	Accumulated other non-working days	7

INDICATOR NO. 2: GENERATED PERSON-DAYS OF EMPLOYMENT:

All reported materials are up to date and meet the five quality data standards (Clause H.9).

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

Task Order

- Target value= **25,000**
- Employment generated previously = 90 Man-Days (per APCO/ArCon internal audit)
- Employment generated this month =107 Man-Days
- Total cumulative employment generated to-date= **197** Man-Days

Total Job Days	**No. of Full Time Equivalent (FTE) Jobs =** (Total Job Days / 23.8)
Generated previously = 90 Man-days	Generated previously = 4
During this reporting period = 107 Man-days	During this reporting period = 4
Total generated to-date = 197 Man-days	Total generated to-date = 8

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SITE MEMO:

- **See Appendix D** Site Memos log

PROCUREMENT:

12 Inch pipe- ordered on January 6, 2014, delivery expected end of February.
10 Inch pipe- ordered on January 6, 2014, delivery expected end of February.
2 inch pipe – ordered on January 6, 2014, delivery expected end of February.
Shrinkable sheets- ordered on January 6, 2014, delivery expected end of February.

INSPECTION REQUEST:

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

Non Compliance Report Log - NCR -

No NCR's were issued during this reporting period.

QUALITY CONTROL AND TEST RESULTS:

A quality control program was developed and submitted to CMC to provide policy and procedures that will ensure that the project will be executed in accordance with the scope of work, built to industry standards, and completed on schedule. The program will address the followings:

- Organizational Structure
- Process Control Testing
- Inspection/Control Procedures
- Description of Records
- Personnel Qualifications
- Subcontractors Interface with Contractor

This plan complies with the stated requirements in addition to guidance conveyed by the CMC through the Contractor's Manual prepared by the CMC.

Tests Log summary table during this reporting period

Material Description	Test description	Number of tests	Pass	Fail	Notes (Action taken for failed tests)

Pre-Construction phase, construction operations did not commence yet.

Zero tests were conducted during this reporting period.

SUBMITTALS:

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

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
January 01, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- November 2013 - Monthly Report- Mark Comments
January 09, 2014	By Email	USAID / APCO/ArCon	Monthly Contracting Officer's Meeting
January 14, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- December 2013 - Monthly Report- Draft
January 14, 2014	By Email	USAID / APCO/ArCon	Re: T.O 15- November 2013 - Monthly Report- Modified
January 15, 2014	By Email	USAID / APCO/ArCon	Re: Monthly Contracting Officer's Meeting
January 15, 2014	By Email	USAID / APCO/ArCon	Insurance policies
January 15, 2014	By Email	USAID / APCO/ArCon	Re: Monthly Contracting Officer's Meeting
January 16, 2014	By Email	USAID / APCO/ArCon	Variation Orders
January 28, 2014	By Email	USAID / APCO/ArCon	Re: CO decision

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

Date	Contractor Trans. No.	Sender/Recipient	Subject
January 22, 2014	By Email	B&V/APCO/ArCon	RE: Contractor Requests for progress Payments
January 25, 2014	By Email	B&V/APCO/ArCon	RE: Welders Qualifications/Testing
January 28, 2014	By Email	B&V/APCO/ArCon	RE: Payments plan
January 29, 2014	By Email	B&V/APCO/ArCon	All APCO Task Orders: Mobile Plans
January 31,2014	By Email	B&V/APCO/ArCon	RE: TO 13-0015-NHT: Tool Box Meeting
January 31,2014	By Email	B&V/APCO/ArCon	RE: TO 13-0015-NHT: Tool Box Meeting

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

APCO/ArCon total accrued expenditures **$ 21,017.41**

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VARIATION ORDERS

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

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

VARIATION ORDER REQUESTS:

VOR No.	DESCRIPTION	Date Sent to B&V	Variation order Amount	Time Ex.
No Variation Order requests were issued during this reporting period.				

OBSTACLES AND CHALLENGES

DCL approval for traffic plan from sta. 0+000 to sta. 1+400, DCL Final approval for detour roads.	Coordination meetings were conducted to solve this issue, verbal approval received on Jan. 26th 2014 written approval not received yet. Coordination with DCL is in progress.
Welding procedures approval, welders' qualifications tests and supplying of water pipes.	Welding procedures test was conducted on Jan. 27th, 2014, waiting for test results. For the water pipes supply and procurement, after getting the approvals from the CMC for pipes material submittals purchase order issued to Middle East on Jan. 06, 2014, anticipated first delivery of material by end of February.
Design revisions by CMC, modified plan and profile received from CMC via site memo NHT E-C 003 for Segment A from St. 0+000 to St. 1+400.	New shop drawings are under preparation and will be submitted for CMC review and approval.
Agreement on pipeline alignment at Segment A from St. 1+400 to St. 3+250.	Waiting to receive final agreed alignment of the pipeline from CMC.

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PROGRESS PHOTOS:

Coordination meeting with landowners at Nahaleen local council building.

Bi-weekly progress meeting.

PWA, CMC, APCO/ArCon and Subcontractor Joint walkthrough to determine pipeline alignment.

Storage Yard.

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/January2014

Date	Grader Cat, G12, H140		Bob Cat		Road Marking Machine		Pneumatic Asphalt Roller		JCB		Guardrail Machine		Truck Actros,2007		Steel Roller		Truck w/ Crane		WATER TANK 10M3		Car		Pick Up(4*4)		Asphalt Steel Roller		LOADER CAT 950H		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
1-Jan									1																					
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Project:Nahaleen Main Pipeline Project
USAID Contract No. 294-I-00-12-00005
Contractor: APCO/ArCon

Title: Materials Receiving Log/ January, 2014

Date	Material Delivered to Site	Quantity
1-Jan	Temporary signs	two
2-Jan		
3-Jan		
4-Jan		
5-Jan		
6-Jan		
7-Jan		
8-Jan		
9-Jan		
10-Jan		
11-Jan		
12-Jan		
13-Jan		
14-Jan		
15-Jan		
16-Jan		
17-Jan		
18-Jan		
19-Jan		
20-Jan		
21-Jan		
22-Jan		
23-Jan		
24-Jan		
25-Jan	Gates , Fence , Generator , Guard Caravan	3 , 200 LN , 1 ,1
26-Jan	Electrical cable , Lighting fixture	300 m , No.6
27-Jan		
28-Jan	Concrete B200	9
29-Jan		
30-Jan		
31-Jan		

B | Detailed Time Schedule for the Project (Not approved by USAID yet)

APCO/ArCon CONSTRUCTION AND SERVICES

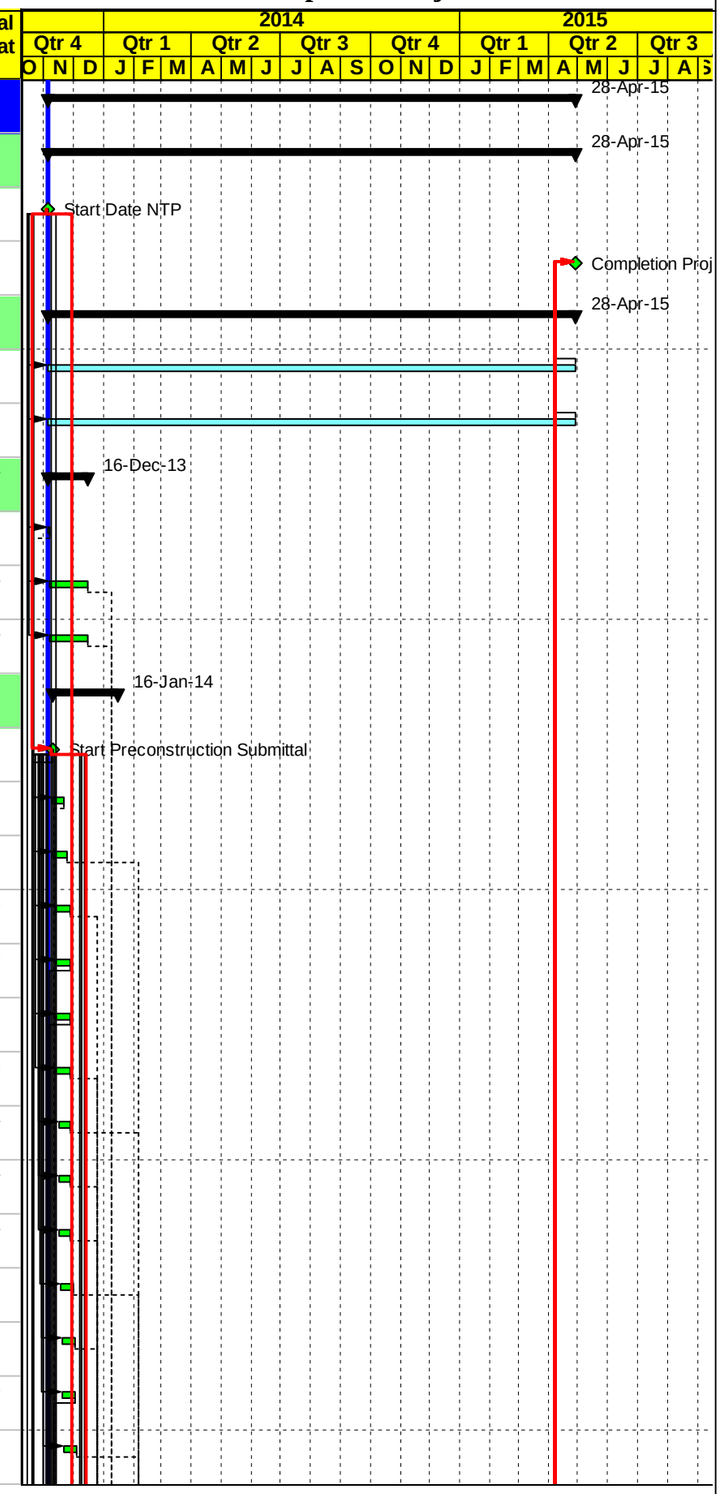
Construction Program

(Baseline)

TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
Nahaleen Main Pipeline Project			539	06-Nov-13	28-Apr-15	0
Key Dates			539	06-Nov-13	28-Apr-15	0
NHT0100	Start Date NTP		0	06-Nov-13		0
NHT0105	Completion Project		0		28-Apr-15	0
Task order Duration			539	06-Nov-13	28-Apr-15	0
NHT0110	Project Duration (Calendar Days)		539	06-Nov-13	28-Apr-15	0
NHT0120	Project Duration (Working Days)		429	06-Nov-13	28-Apr-15	0
Conformed Drawings and Coordination			41	06-Nov-13	16-Dec-13	44
NHT0125	Final for Construction Drawing (Conformed)		1	06-Nov-13	06-Nov-13	2
NHT0130	Coordination with Israeli authorities for approval and permit area C		40	07-Nov-13	16-Dec-13	44
NHT0135	Coordination with local Authorities before Construction		40	07-Nov-13	16-Dec-13	44
Pre Construction Submittals			49	10-Nov-13	16-Jan-14	0
NHT0150	Start Preconstruction Submittal		0	10-Nov-13		0
NHT0160	Schedule for Pre Construction Submittals & Mobilization		10	10-Nov-13	21-Nov-13	8
NHT0170	Bank Guarantee Certificates		10	10-Nov-13	24-Nov-13	39
NHT0180	Testing Lab		10	14-Nov-13	27-Nov-13	35
NHT0190	Field Offices Location & Layout		10	14-Nov-13	27-Nov-13	13
NHT0200	Field Offices Furniture & Equipment Plan		10	14-Nov-13	27-Nov-13	13
NHT0210	Scheduling Qualification Submittals		10	14-Nov-13	27-Nov-13	35
NHT0220	Key Personnel Plan		10	17-Nov-13	28-Nov-13	34
NHT0230	Insurances		10	17-Nov-13	28-Nov-13	34
NHT0240	Submittals Schedule		10	17-Nov-13	28-Nov-13	34
NHT0250	Subcontractors' profile		10	18-Nov-13	01-Dec-13	33
NHT0260	Coordination with local Authorities Plan including list of permits & and licenses		10	20-Nov-13	03-Dec-13	31
NHT0265	Temporary and Permanent Project Sign Plan		10	20-Nov-13	03-Dec-13	15
NHT0270	QCP-Quality Control Program		10	21-Nov-13*	04-Dec-13	9



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

Date	Revision	Checked	Approved
16-Jan-14			

APCO/ArCon CONSTRUCTION AND SERVICES

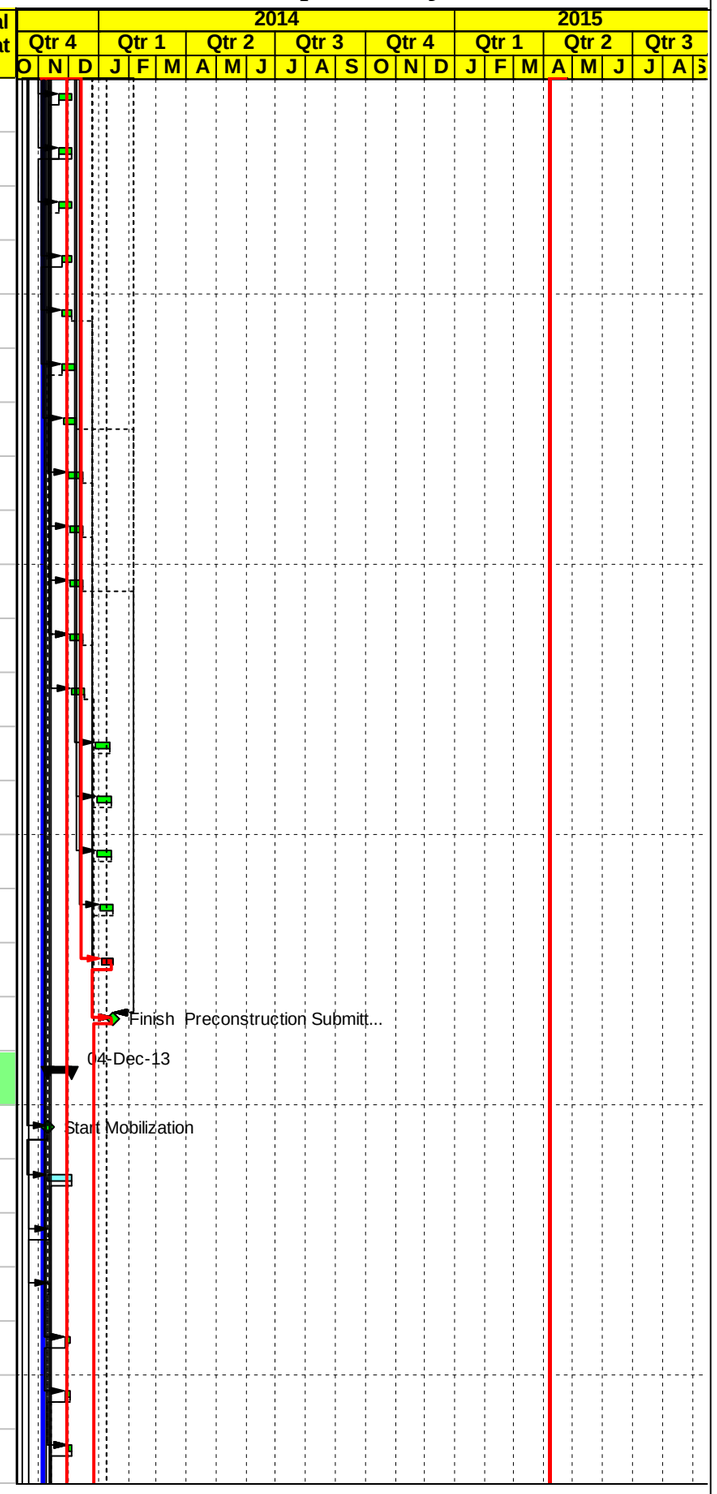
Construction Program

(Baseline)

TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT0280	Safety Plan		10	21-Nov-13*	04-Dec-13	1
NHT0290	60-Day Plan of Operation		10	21-Nov-13	04-Dec-13	1
NHT0300	Project Overview Bar Chart		10	21-Nov-13	04-Dec-13	9
NHT0320	Dilapidation Survey		10	24-Nov-13	05-Dec-13	29
NHT0330	Risk Management Plan		10	24-Nov-13	05-Dec-13	29
NHT0340	Existing Survey Plan		10	25-Nov-13	08-Dec-13	19
NHT0350	USAID Branding Plan		10	26-Nov-13	09-Dec-13	27
NHT0360	Material Staging ,Storage and dumping Areas Plan		10	02-Dec-13	15-Dec-13	23
NHT0370	Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys.,&R. mark		10	03-Dec-13	16-Dec-13	22
NHT0380	Environmental Mitigation Plan		10	03-Dec-13*	16-Dec-13	1
NHT0390	CPM-Construction Schedule and S-Curve		10	03-Dec-13*	16-Dec-13	1
NHT0400	Traffic Control Plan		10	05-Dec-13	18-Dec-13	20
NHT0410	Trensh safety plan		10	29-Dec-13	12-Jan-14	4
NHT0420	Public relation plan		10	30-Dec-13	13-Jan-14	3
NHT0430	Welding procedure		10	31-Dec-13	14-Jan-14	2
NHT0440	Thrid party testing lab		10	02-Jan-14	15-Jan-14	1
NHT0450	Welder Qualification procedure		10	05-Jan-14	16-Jan-14	0
NHT0460	Finish Preconstruction Submittal		0		16-Jan-14	0
Mobilization			21	10-Nov-13	04-Dec-13	14
NHT0470	Start Mobilization		0	10-Nov-13		24
NHT0480	Mobilization Total Cost (4.0%)		21	10-Nov-13	04-Dec-13	14
NHT0500	Site Hand Over		1	11-Nov-13	11-Nov-13	24
NHT0510	Checking With CMC Existing-Bench Marks, Survey Control Points		2	11-Nov-13	12-Nov-13	24
NHT0520	Supply and install Office Furniture's and Supplies		4	27-Nov-13	02-Dec-13	14
NHT0530	Supply and install Office IT Equipments & Applience		4	28-Nov-13	03-Dec-13	14
NHT0540	Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials)		3	01-Dec-13	04-Dec-13	14



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TO# 15

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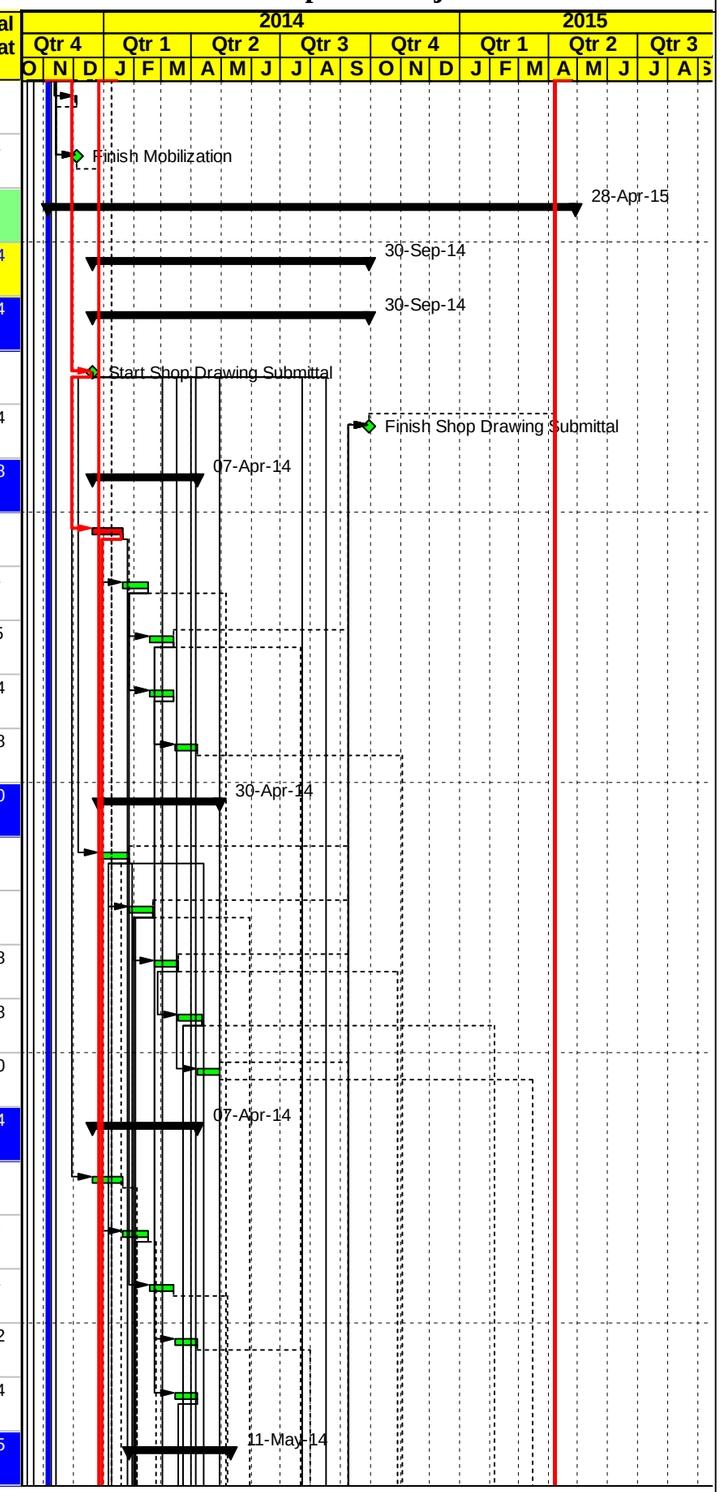
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT0550	Install Temporary Project Sign		1	03-Dec-13	04-Dec-13	15
NHT0560	Finish Mobilization		0		04-Dec-13	14
Construction Submittals			539	06-Nov-13	28-Apr-15	0
Shop Drawing Submittals			221	21-Dec-13	30-Sep-14	164
Shop Drawing Milestones			221	21-Dec-13	30-Sep-14	164
NHT0570	Start Shop Drawing Submittal		0	21-Dec-13		0
NHT0580	Finish Shop Drawing Submittal		0		30-Sep-14	164
Plan Profile and Cross Sections for Group One			84	21-Dec-13	07-Apr-14	178
NHT0590	SEG.A From Sta.0+000 Ato Sta.1+440		21	21-Dec-13	20-Jan-14	0
NHT0600	SEG.A From Sta.-A1+440 to A2+190		21	21-Jan-14	16-Feb-14	64
NHT0610	SEG.A From Sta. 2+190 to Sta.A3+320		21	17-Feb-14	13-Mar-14	115
NHT0620	Seg.C From sta.C0+000 to C0+330		21	17-Feb-14	13-Mar-14	134
NHT0630	Design and shop drawing for SEG. E From Sta. E0+000 to Sta.E1+276		21	15-Mar-14	07-Apr-14	178
Plan Profile and Cross Sections for Group Two			100	28-Dec-13	30-Apr-14	260
NHT0650	SEG.A From Sta.A3+320 to Sta.A5+800		21	28-Dec-13	26-Jan-14	3
NHT0660	SEG.A From Sta.A5+800 to Sta. 7+460		21	27-Jan-14	20-Feb-14	83
NHT0670	SEG.A From Sta. 7+460 to Sta. A8+203		21	22-Feb-14	18-Mar-14	168
NHT0680	SEG.B From Sta. B0+000 to Sta. B0+985		21	19-Mar-14	12-Apr-14	168
NHT0690	Access Roads		21	07-Apr-14	30-Apr-14	260
Waterline for Group One			84	21-Dec-13	07-Apr-14	134
NHT0700	300 mm Dia. Waterline SEG. D From Sta.D0+518 to Sta.D0+000		21	21-Dec-13	20-Jan-14	48
NHT0710	300 mm & 75 mm Dia. Waterline Seg. A From Sta.A0+000 to Sta.A1+440		21	21-Jan-14	16-Feb-14	13
NHT0720	300 mm, 200mm, 100 mm & 75 mm Dia. Waterline Seg. A SEG.A From Sta.A2+190- A1+440		21	17-Feb-14	13-Mar-14	64
NHT0730	300 mm, 75 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+320 to Sta.A2+190		21	15-Mar-14	07-Apr-14	122
NHT0740	200 mm & 100 mm Dia. waterline SEG.C from sta. 0+00 to st. C0+330		21	15-Mar-14	07-Apr-14	134
Waterline for Group Two			87	27-Jan-14	11-May-14	165



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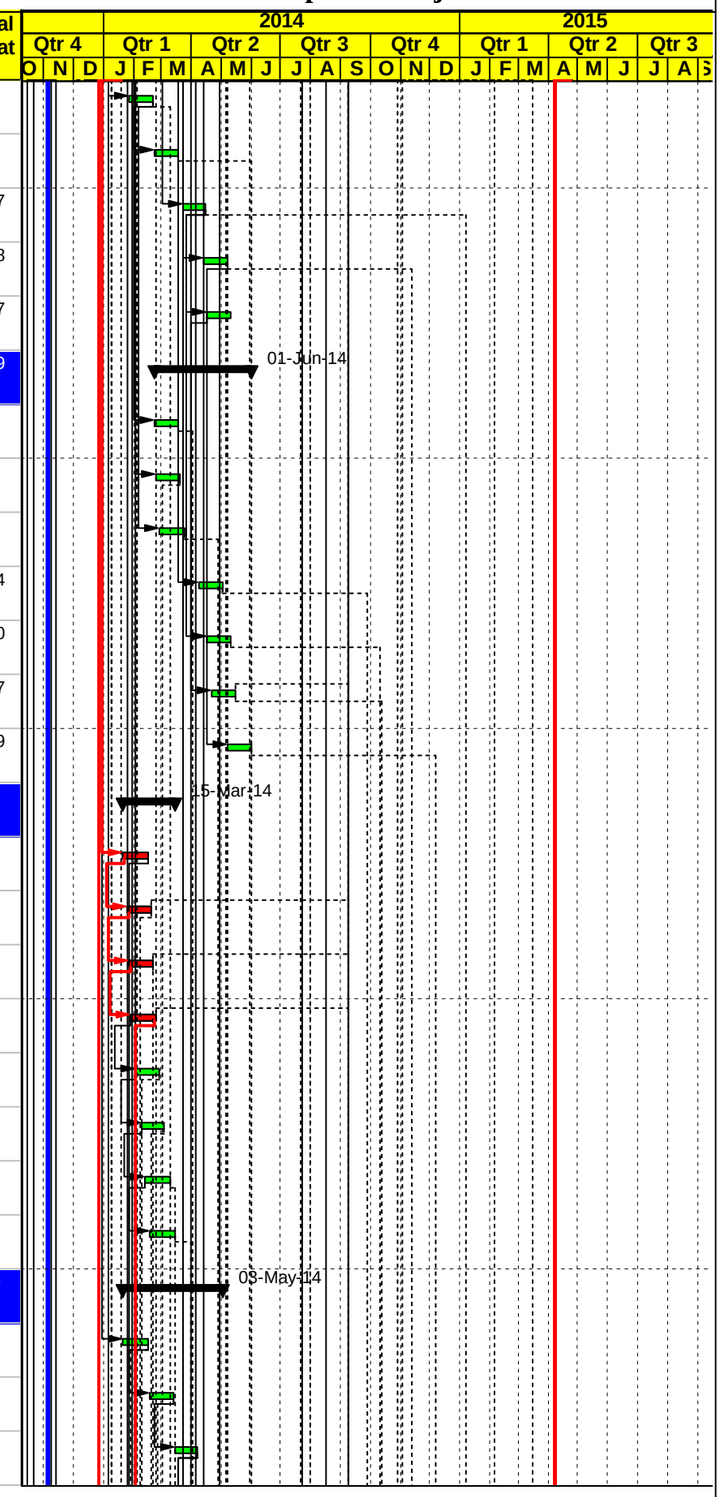
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT0750	250 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+320 to Sta.A5+800		21	27-Jan-14	20-Feb-14	37
NHT0760	200 mm, 150 mm & 100 mm Dia. Waterline Seg. A From Sta.A5+800 to Sta. 7+460		21	22-Feb-14	18-Mar-14	83
NHT0770	100 mm Dia. Waterline for Hussan distribution pipe		21	23-Mar-14	15-Apr-14	137
NHT0780	100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985		21	13-Apr-14	07-May-14	168
NHT0790	150 mm Dia. Waterline for Battir distribution pipe		21	16-Apr-14	11-May-14	137
Connection and Valves Chambers			84	22-Feb-14	01-Jun-14	179
NHT0800	Typical details of AR/AV, wash out ,gate valve and butterfly valve chambers		21	22-Feb-14	18-Mar-14	48
NHT0810	300 mm flow monitoring chamber @ sta. A0+660		21	23-Feb-14	19-Mar-14	21
NHT0820	Flow monitoring chamber @ sta. A5+725		21	27-Feb-14	24-Mar-14	56
NHT0830	Nahaleen connection chamber @ st. C0+320		21	08-Apr-14	03-May-14	134
NHT0840	Hussan Connection chamber @ Sta.A7+390		21	16-Apr-14	11-May-14	140
NHT0850	Battir Connection chamber @ Sta.A7+410		21	21-Apr-14	15-May-14	137
NHT0860	Wadi Fukin connection chamber @sta. B0+957		21	08-May-14	01-Jun-14	179
Concrete walls			43	21-Jan-14	15-Mar-14	31
NHT0870	Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM)		21	21-Jan-14	16-Feb-14	0
NHT0880	Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)		21	25-Jan-14	18-Feb-14	0
NHT0890	Retaining wall from Sta. A0+479 to A0+770 LHS (291 LM)		21	27-Jan-14	20-Feb-14	0
NHT0900	Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)		21	29-Jan-14	23-Feb-14	0
NHT0910	Retaining wall from Sta. A0+800 to A0+840 LHS (40 LM)		21	03-Feb-14	27-Feb-14	1
NHT0920	Retaining wall from Sta. A0+880 to A0+990 LHS (110 LM)		21	09-Feb-14	04-Mar-14	5
NHT0930	Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)		21	13-Feb-14	10-Mar-14	21
NHT0940	Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)		21	18-Feb-14	15-Mar-14	31
Pipe and Box Culverts for Group One			84	21-Jan-14	03-May-14	90
NHT0960	2.0x2.0x19 M box culvert @Sta. A0+590		21	21-Jan-14	16-Feb-14	16
NHT0970	1.5x1.5x12 M box culvert @Sta. A0+953		21	17-Feb-14	13-Mar-14	16
NHT0980	1.5x1.5x15 M box culvert @Sta. A1+356		21	15-Mar-14	07-Apr-14	16



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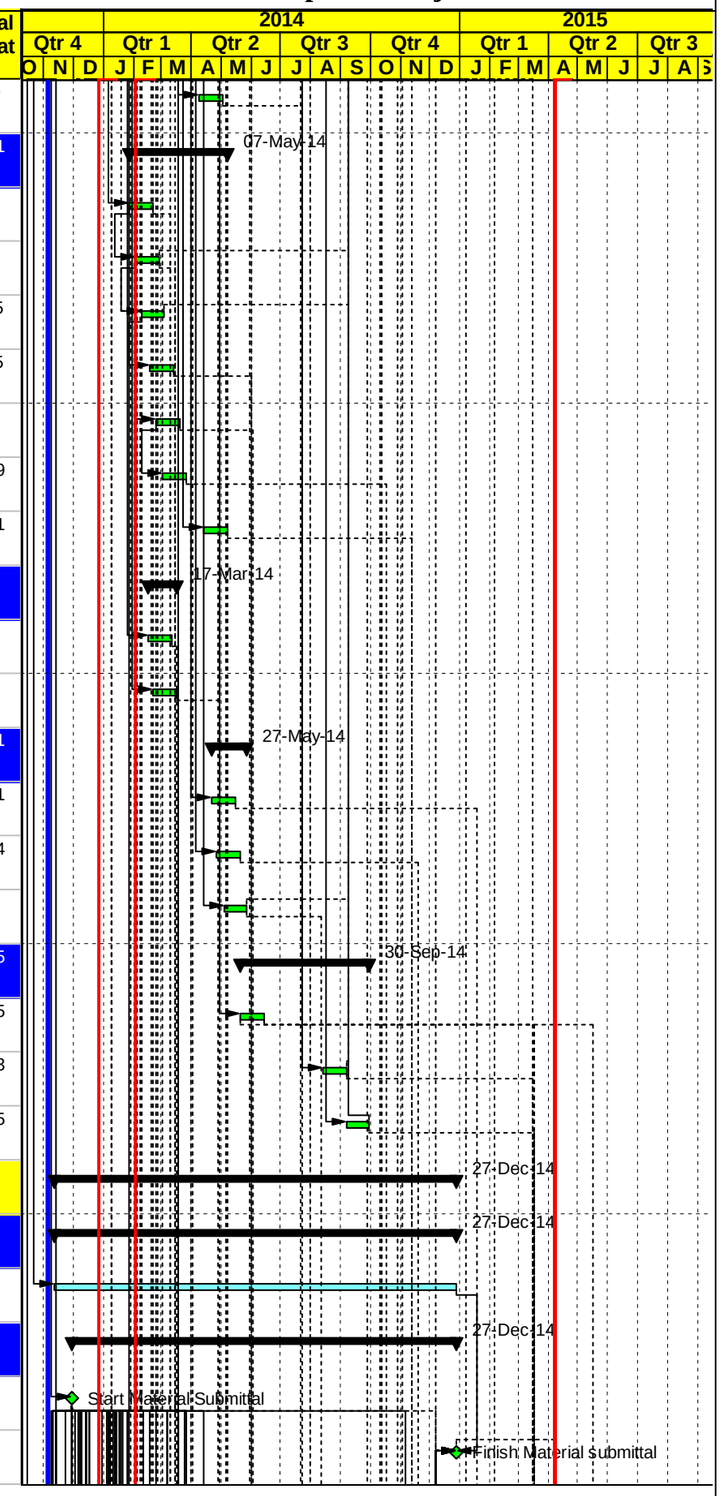
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT0990	1.5x15m Box box culvert @ Sta.A2+225		21	08-Apr-14	03-May-14	90
Pipe and Box Culverts for Group Two			84	27-Jan-14	07-May-14	171
NHT1000	1.0 x1.0m box culvert @ Sta.A3+636		21	27-Jan-14	20-Feb-14	59
NHT1010	Concrete channel from Sta.3+360 to sta. 3+850 RHS (490 LM)		21	02-Feb-14	26-Feb-14	59
NHT1020	Dia.1000 mm of double pipe culvert @ Sta.A5+469		21	09-Feb-14	04-Mar-14	115
NHT1030	Dia.800 mm of pipe culvert @ Sta.A6+198 with outlet		21	17-Feb-14	13-Mar-14	115
NHT1040	Storm concrete drainage system SEG.A From sta. A5+480 to A7+460 (1660 L.m)		21	24-Feb-14	20-Mar-14	83
NHT1050	600 mm Dia outfall for hussan @ st.A6+570 & A7+172		21	02-Mar-14	26-Mar-14	179
NHT1060	Storm concrete drainage system from sta. B0+000 to B0+985 (985 LM) & outfall for @ St.B0+537 & B0+714 (115 & 50 LM)		21	13-Apr-14	07-May-14	171
Stone Walls			25	16-Feb-14	17-Mar-14	71
NHT1070	stone wall from sta.A1+018 to A1+340 refer to detail drawings LHS & RHS		21	16-Feb-14	12-Mar-14	39
NHT1080	stone wall from Sta.A3+360 to sta. A3+370 RHS		21	20-Feb-14	17-Mar-14	71
Concrete curbstone and side walk			31	21-Apr-14	27-May-14	191
NHT1090	SEG.B From Sta. B0+000 to Sta. B0+985		21	21-Apr-14	15-May-14	201
NHT1100	SEG.E From Sta. E0+000 to Sta.E1+276		21	27-Apr-14	21-May-14	154
NHT1110	SEG.A From Sta.A5+800 to Sta. 7+460		21	04-May-14	27-May-14	92
Otheres			101	21-May-14	30-Sep-14	145
NHT1120	Street Lighting SEG.A from A5+800 TO 7+460 & B0+00 to B0+98		21	21-May-14	14-Jun-14	225
NHT1130	Concret Ditches and Concret protection		21	13-Aug-14	07-Sep-14	163
NHT1140	Road furnishing/Gurad Rail		21	06-Sep-14	30-Sep-14	145
Material Submittals			315	12-Nov-13	27-Dec-14	99
Preparation Material Submittals			315	12-Nov-13	27-Dec-14	99
NHT1150	Preparation Material Submittals		315	12-Nov-13	27-Dec-14	99
Material Submittals including Manufacturers Qualifications , Shop Test, Product Data			301	30-Nov-13	27-Dec-14	99
NHT1160	Start Material Submittal		0	30-Nov-13		1
NHT1170	Finish Material submittal		0		27-Dec-14	99



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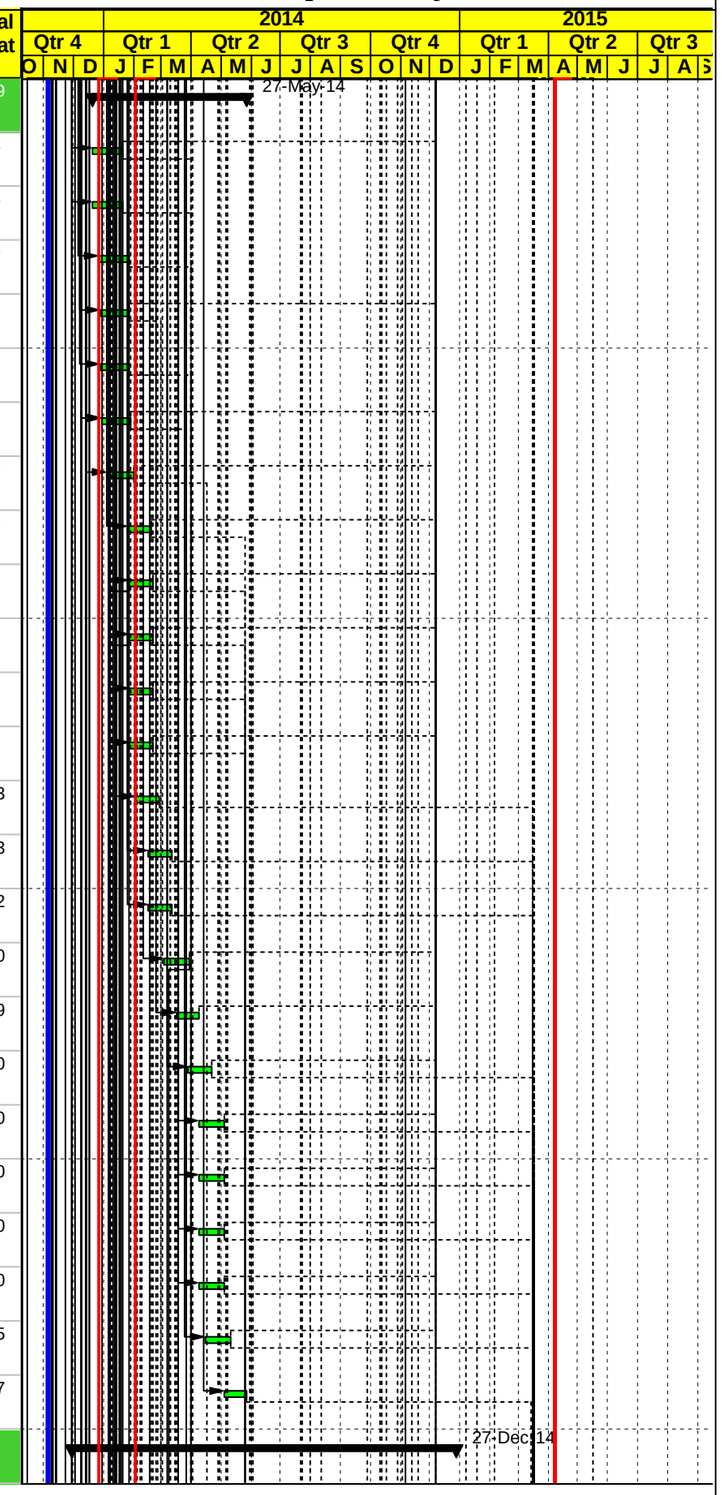
Material Submittals Roads			126	21-Dec-13	27-May-14	259
NHT1180	Concrete Mix Design including cement type		21	21-Dec-13	20-Jan-14	74
NHT1190	Formwork material		21	21-Dec-13	20-Jan-14	74
NHT1200	Steel Reinforcement		21	28-Dec-13	26-Jan-14	70
NHT1210	Precast Concrete Manholes and catch basin		21	29-Dec-13	27-Jan-14	61
NHT1220	Fair face concrete job mix		21	29-Dec-13	27-Jan-14	69
NHT1230	Base Course Source		21	31-Dec-13	29-Jan-14	63
NHT1240	Concrete Pipes		21	05-Jan-14	01-Feb-14	95
NHT1250	Curbstone		21	25-Jan-14	18-Feb-14	98
NHT1260	Prime Coat		21	27-Jan-14	20-Feb-14	96
NHT1270	Tack Coat		21	27-Jan-14	20-Feb-14	96
NHT1280	Bituminous Binder Course-Mix Design		21	27-Jan-14	20-Feb-14	96
NHT1290	Bituminous Wearing Course-Mix Design		21	27-Jan-14	20-Feb-14	96
NHT1300	Concrete Encasement		21	02-Feb-14	26-Feb-14	313
NHT1310	Concrete Repair		21	15-Feb-14	11-Mar-14	303
NHT1320	Concrete jount sealant material		21	16-Feb-14	12-Mar-14	302
NHT1330	Street Lighting including poles		21	04-Mar-14	29-Mar-14	160
NHT1340	Interlocking Blocks		21	17-Mar-14	09-Apr-14	299
NHT1350	Galvanized steel Handrail		21	29-Mar-14	21-Apr-14	270
NHT1360	Cat eyes		21	09-Apr-14	04-May-14	260
NHT1370	Thermoplastic paint		21	09-Apr-14	04-May-14	260
NHT1380	Guard Rail		21	09-Apr-14	04-May-14	260
NHT1390	Traffic sign		21	09-Apr-14	04-May-14	260
NHT1400	Curbstone paint material		21	15-Apr-14	10-May-14	255
NHT1410	Lighting control		21	04-May-14	27-May-14	237
Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule			301	30-Nov-13	27-Dec-14	43



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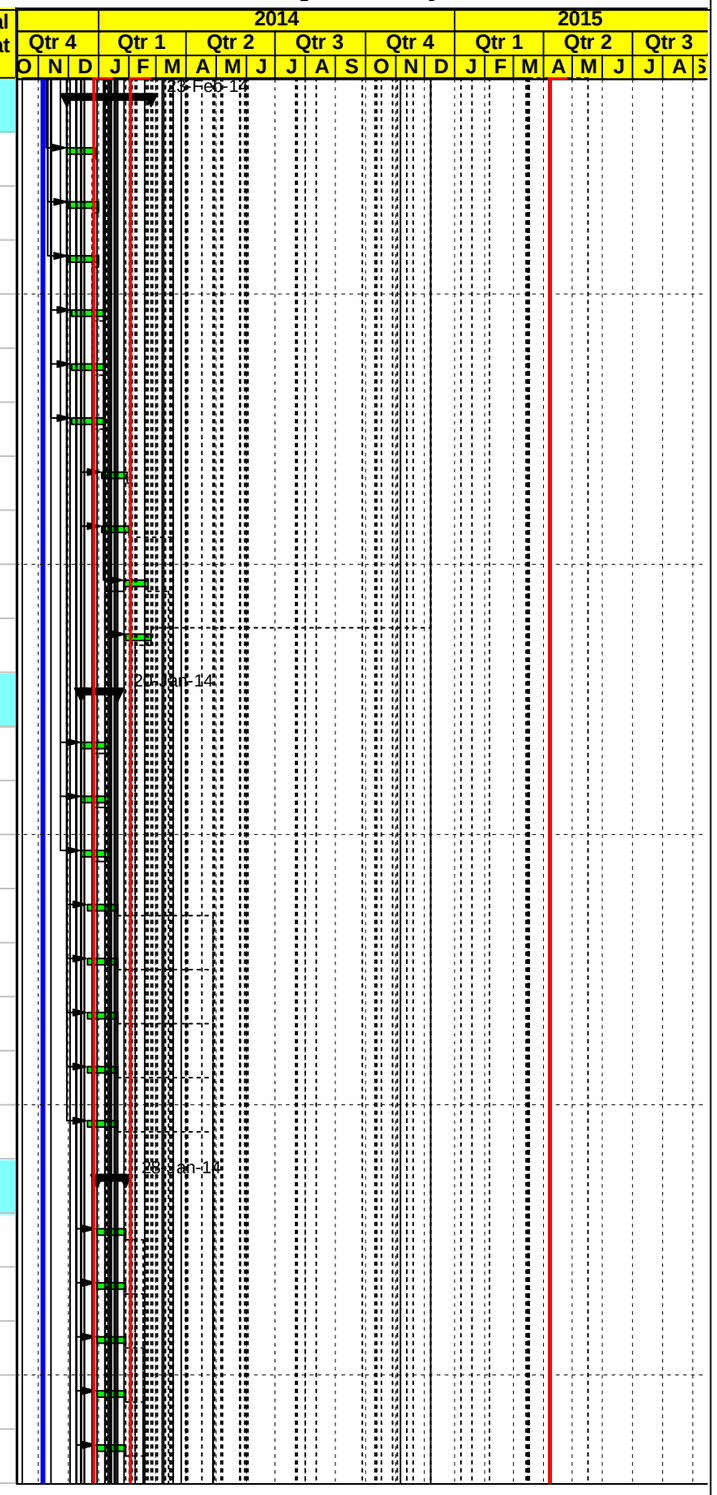
Pipes			63	30-Nov-13	23-Feb-14	53
NHT1420	Steel pipeline 300 mm		21	30-Nov-13	29-Dec-13	29
NHT1430	Steel pipeline 200 mm		21	02-Dec-13	31-Dec-13	27
NHT1440	Steel pipeline 150 mm		21	02-Dec-13	31-Dec-13	27
NHT1450	Steel pipeline 100 mm		21	04-Dec-13	05-Jan-14	25
NHT1460	Steel pipeline 75 mm		21	04-Dec-13	05-Jan-14	25
NHT1470	Steel pipeline 50 mm		21	04-Dec-13	05-Jan-14	25
NHT1480	Bedding material		21	04-Jan-14	30-Jan-14	29
NHT1490	Backfilling material		21	05-Jan-14	01-Feb-14	71
NHT1500	Shrinkable sheet		21	27-Jan-14	20-Feb-14	10
NHT1510	Warning tape		21	29-Jan-14	23-Feb-14	10
Fittings			25	15-Dec-13	20-Jan-14	208
NHT1520	Steel Elbows		21	15-Dec-13	14-Jan-14	18
NHT1530	Steel Tees		21	15-Dec-13	14-Jan-14	18
NHT1540	Steel reducers		21	15-Dec-13	14-Jan-14	18
NHT1550	flanges		21	21-Dec-13	20-Jan-14	208
NHT1560	Gaskets		21	21-Dec-13	20-Jan-14	208
NHT1570	Bolts ,washers & nuts		21	21-Dec-13	20-Jan-14	208
NHT1580	Mechanical coupling		21	21-Dec-13	20-Jan-14	208
NHT1590	Dismantling Joint		21	21-Dec-13	20-Jan-14	208
Gate Valves			21	30-Dec-13	28-Jan-14	142
NHT1600	Gate valvesPN16 , 200mm		21	30-Dec-13	28-Jan-14	142
NHT1610	Gate valves PN16,150		21	30-Dec-13	28-Jan-14	142
NHT1620	Gate valves 100.		21	30-Dec-13	28-Jan-14	142
NHT1630	Gate valves 75.		21	30-Dec-13	28-Jan-14	142
NHT1640	Gate valves 50		21	30-Dec-13	28-Jan-14	142



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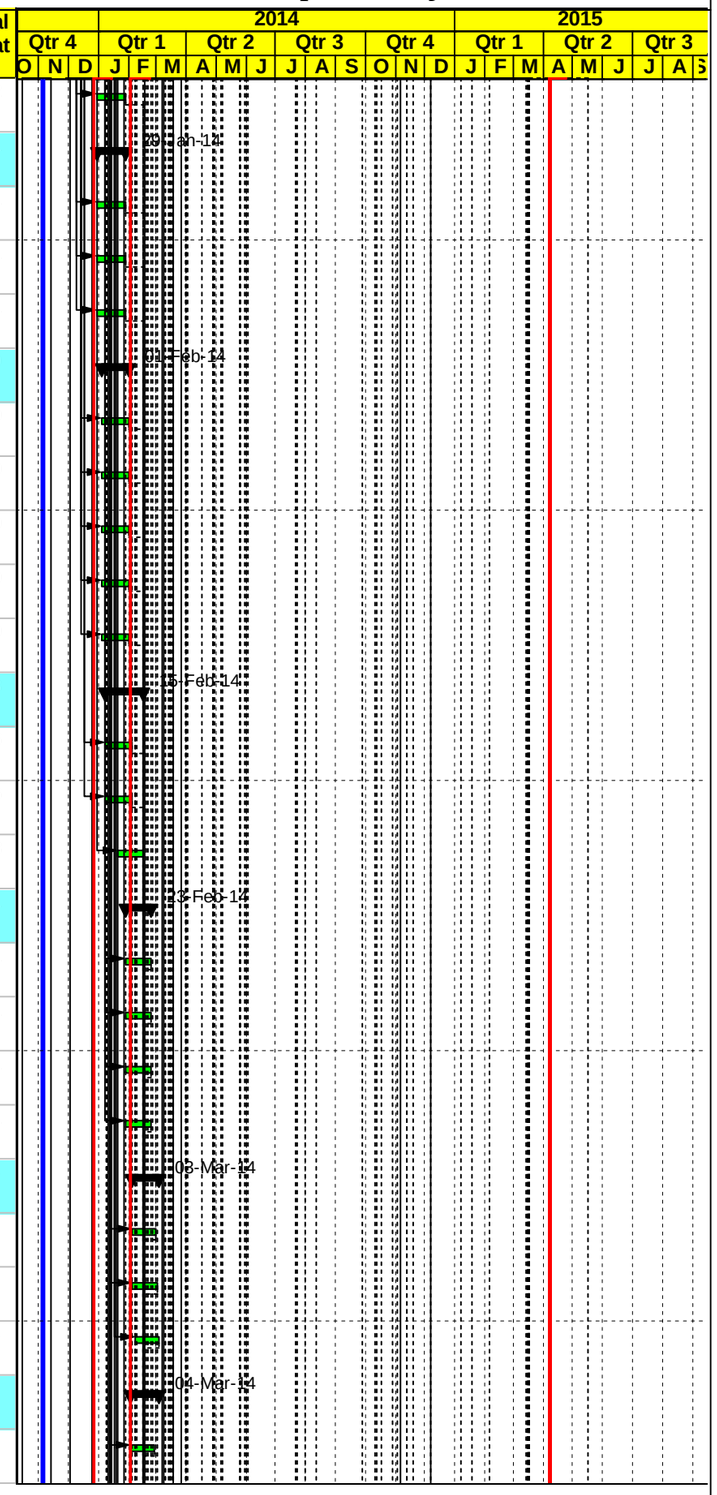
NHT1650	Manual Actuator for gate valves		21	30-Dec-13	28-Jan-14	142
Butter Fly valves			21	31-Dec-13	29-Jan-14	141
NHT1660	Butter Fly valves PN40,300 mm		21	31-Dec-13	29-Jan-14	141
NHT1670	Butter Fly valves PN40,250 mm		21	31-Dec-13	29-Jan-14	141
NHT1680	Butter Fly valves PN25,250 mm		21	31-Dec-13	29-Jan-14	141
Washout valve			21	05-Jan-14	01-Feb-14	139
NHT1690	Washout gate valve PN40DN250		21	05-Jan-14	01-Feb-14	139
NHT1700	Washout gate valve PN40DN200		21	05-Jan-14	01-Feb-14	139
NHT1710	Washout gate valve PN25DN150		21	05-Jan-14	01-Feb-14	139
NHT1720	PN 16 bar, DN 75 mm washout Gate Valve on DN 150 mm and on DN 100 mm pipelines		21	05-Jan-14	01-Feb-14	139
NHT1730	PN 16 bar, DN 50 mm washout gate valve on DN 75 and DN 50 mm pipelines		21	05-Jan-14	01-Feb-14	139
Air relief valves and Pressure reducing valve			29	08-Jan-14	15-Feb-14	128
NHT1740	Combination Air relief valves ,PN40,DN100-/PN25,DN80-/PN25,DN50		21	08-Jan-14	04-Feb-14	136
NHT1750	Air relief valves		21	08-Jan-14	04-Feb-14	136
NHT1760	Pressure reducing valves PN40 DN150		21	20-Jan-14	15-Feb-14	128
Water meters			21	29-Jan-14	23-Feb-14	121
NHT1770	Water meters PN40 at200mm pipe line		21	29-Jan-14	23-Feb-14	121
NHT1780	Water meters PN16 at 150mm pipe line		21	29-Jan-14	23-Feb-14	121
NHT1790	Water meters PN16 at 200mm pipe line		21	29-Jan-14	23-Feb-14	121
NHT1800	Water meters PN25 at 100 mm pipe line		21	29-Jan-14	23-Feb-14	121
Manholes and chambers			23	04-Feb-14	03-Mar-14	114
NHT1820	Manhole Cover and Frame.		21	04-Feb-14	01-Mar-14	116
NHT1830	Ladders steps		21	05-Feb-14	02-Mar-14	115
NHT1840	Holding Jacks		21	08-Feb-14	03-Mar-14	114
Control Valves			25	03-Feb-14	04-Mar-14	113
NHT1870	Flow control valves		21	03-Feb-14	27-Feb-14	117



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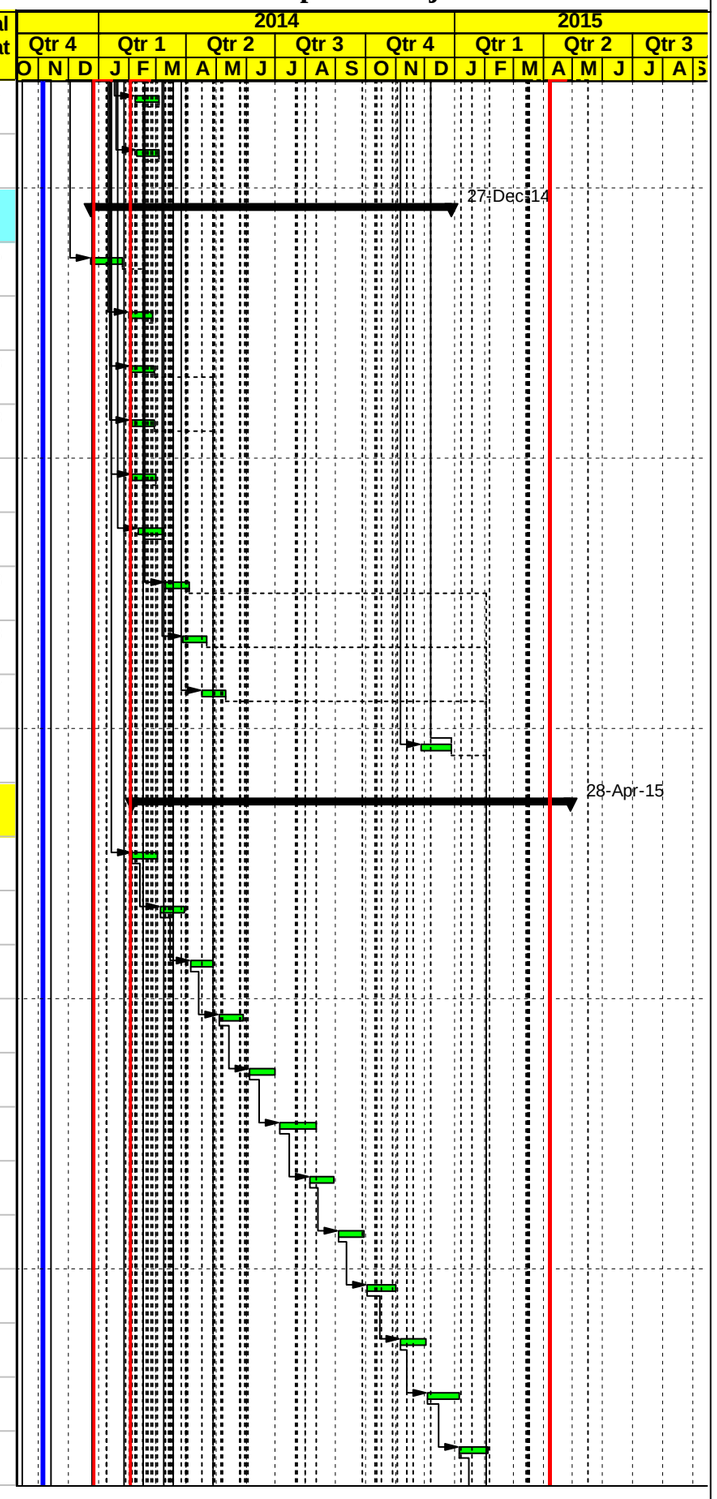
NHT1880	Remote Control Monitoring Flow water meterPN40,DN300		21	08-Feb-14	03-Mar-14	114
NHT1890	Remote Control Monitoring Flow water meterPN40,DN250		21	09-Feb-14	04-Mar-14	113
Others			283	24-Dec-13	27-Dec-14	43
NHT1900	Strainers.		21	24-Dec-13	25-Jan-14	145
NHT1910	Epoxy coating		21	01-Feb-14	25-Feb-14	119
NHT1920	Spacers		21	02-Feb-14	26-Feb-14	178
NHT1930	Tie rods		21	02-Feb-14	26-Feb-14	178
NHT1940	Air ventilation pipes		21	04-Feb-14	01-Mar-14	116
NHT1950	Pressure gauge with needle valve		21	11-Feb-14	08-Mar-14	111
NHT1960	Floor Boxes		21	11-Mar-14	03-Apr-14	248
NHT1970	Electrical tests and Commissioning		21	29-Mar-14	21-Apr-14	233
NHT1980	Earthing grounding system		21	16-Apr-14	11-May-14	217
NHT1990	Spare parts		21	26-Nov-14	27-Dec-14	43
Updated Time schedule Submittals			351	05-Feb-14	28-Apr-15	1
NHT2000	Updated Time schedule January. 31, 2014		21	05-Feb-14	02-Mar-14	1
NHT2010	Updated Time schedule February. 28, 2014		21	05-Mar-14	30-Mar-14	1
NHT2020	Updated Time schedule March. 31, 2014		21	05-Apr-14	28-Apr-14	1
NHT2030	Updated Time schedule April. 30, 2014		21	05-May-14	28-May-14	1
NHT2040	Updated Time schedule May. 30, 2014		21	05-Jun-14	30-Jun-14	1
NHT2050	Updated Time schedule June 30, 2014		21	05-Jul-14	11-Aug-14	1
NHT2060	Updated Time schedule July. 31, 2014		21	05-Aug-14	30-Aug-14	1
NHT2070	Updated Time schedule August. 31, 2014		21	04-Sep-14	29-Sep-14	1
NHT2080	Updated Time schedule September. 30, 2014		21	02-Oct-14	01-Nov-14	1
NHT2090	Updated Time schedule October. 31, 2014		21	05-Nov-14	01-Dec-14	1
NHT2100	Updated Time schedule November. 30, 2014		21	03-Dec-14	04-Jan-15	1
NHT2110	Updated Time schedule December. 31, 2014		21	05-Jan-15	03-Feb-15	1



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

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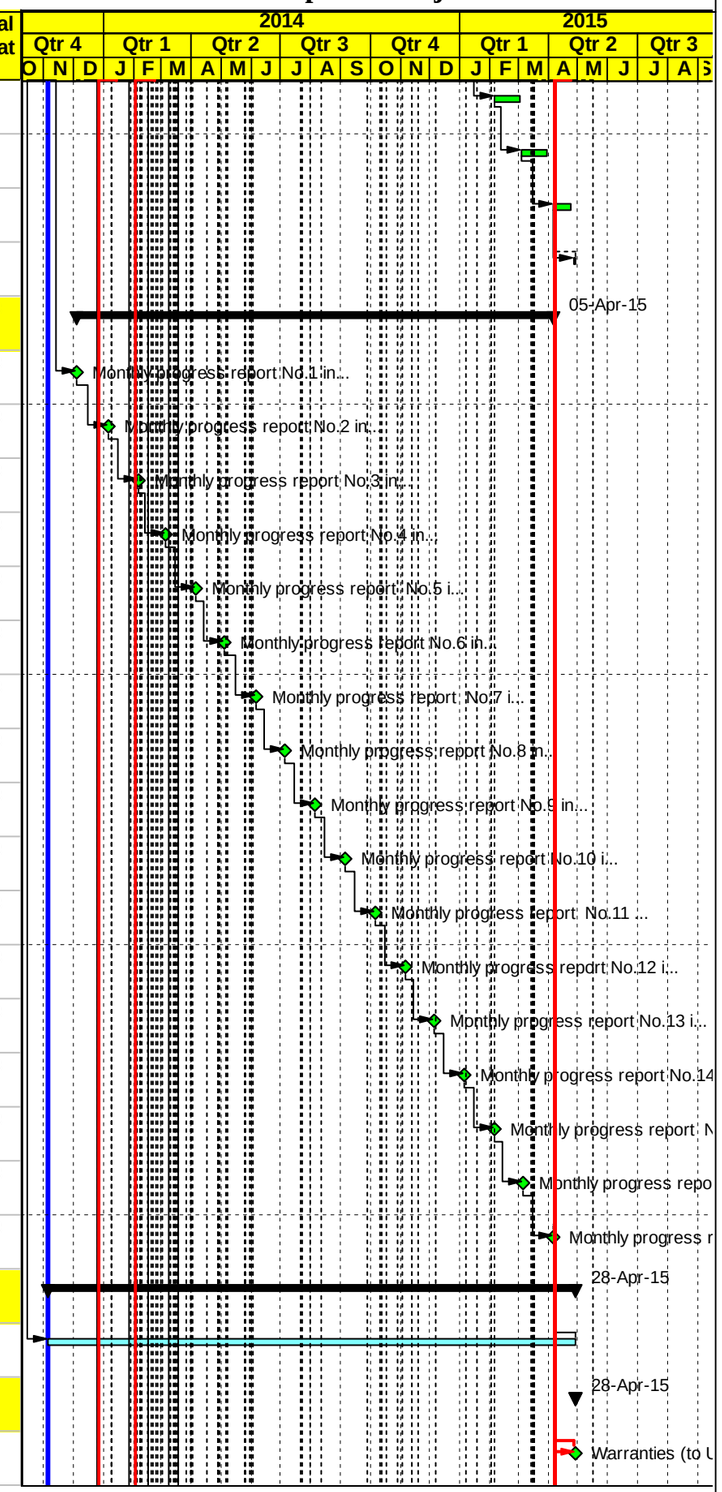
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT2120	Updated Time schedule January. 31, 2015		21	04-Feb-15	02-Mar-15	1
NHT2130	Updated Time schedule February. 28, 2015		21	04-Mar-15	30-Mar-15	1
NHT2140	Updated Time schedule March. 31, 2015		16	05-Apr-15	23-Apr-15	1
NHT2150	Start Preparation as Built time schedule		1	27-Apr-15	28-Apr-15	1
Monthly Submittals			487	05-Dec-13	05-Apr-15	23
NHT2160	Monthly progress report No.1 including Geo -MIS report, progress payment, QC/QA Submittals November 30, 2013		0		05-Dec-13	23
NHT2170	Monthly progress report No.2 including Geo -MIS report, progress payment, QC/QA Submittals December. 31, 2013		0		05-Jan-14	23
NHT2180	Monthly progress report No.3 including Geo -MIS report, progress payment, QC/QA Submittals January. 31, 2014		0		05-Feb-14	23
NHT2190	Monthly progress report No.4 including Geo -MIS report, progress payment, QC/QA Submittals February. 28, 2014		0		05-Mar-14	23
NHT2200	Monthly progress report No.5 including Geo -MIS report, progress payment, QC/QA Submittals March. 31, 2014		0		05-Apr-14	23
NHT2210	Monthly progress report No.6 including Geo -MIS report, progress payment, QC/QA Submittals April. 30, 2014		0		05-May-14	23
NHT2220	Monthly progress report No.7 including Geo -MIS report, progress payment, QC/QA Submittals May. 30, 2014		0		05-Jun-14	23
NHT2230	Monthly progress report No.8 including Geo -MIS report, progress payment, QC/QA Submittals June 30, 2014		0		05-Jul-14	23
NHT2240	Monthly progress report No.9 including Geo -MIS report, progress payment, QC/QA Submittals July. 31, 2014		0		05-Aug-14	23
NHT2250	Monthly progress report No.10 including Geo -MIS report, progress payment, QC/QA Submittals August. 31, 2014		0		05-Sep-14	23
NHT2260	Monthly progress report No.11 including Geo -MIS report, progress payment, QC/QA Submittals September. 30, 2014		0		05-Oct-14	23
NHT2270	Monthly progress report No.12 including Geo -MIS report, progress payment, QC/QA Submittals October. 31, 2014		0		05-Nov-14	23
NHT2280	Monthly progress report No.13 including Geo -MIS report, progress payment, QC/QA Submittals November. 30, 2014		0		05-Dec-14	23
NHT2290	Monthly progress report No.14 including Geo -MIS report, progress payment, QC/QA Submittals December. 31, 2014		0		05-Jan-15	23
NHT2300	Monthly progress report No.15 including Geo -MIS report, progress payment, QC/QA Submittals January. 31, 2015		0		05-Feb-15	23
NHT2310	Monthly progress report No.16 including Geo -MIS report, progress payment, QC/QA Submittals February. 28, 2015		0		05-Mar-15	23
NHT2320	Monthly progress report No.17 including Geo -MIS report, progress payment, QC/QA Submittals March. 31, 2015		0		05-Apr-15	23
Others Submittals			539	06-Nov-13	28-Apr-15	0
NHT2330	Daily reports, Test reports, inspection request , RFIs, updated Safety plan, two week lookahead		539	06-Nov-13	28-Apr-15	0
Post Submittals			0	28-Apr-15	28-Apr-15	0
NHT2340	Warranties (to USAID)		0	28-Apr-15		0



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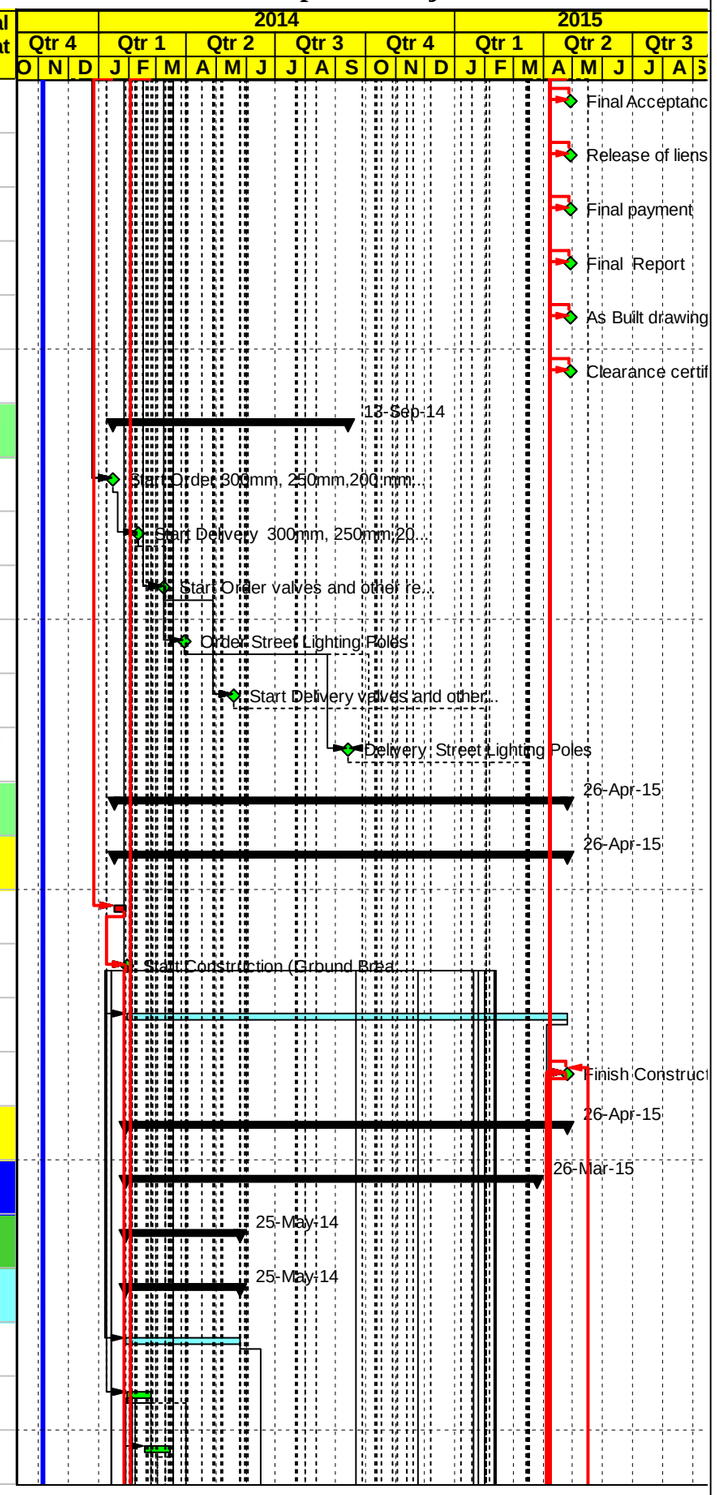
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT2350	Final Acceptance Certificate		0	28-Apr-15		0
NHT2360	Release of liens and waiver of debts and claims againts the government		0	28-Apr-15		0
NHT2370	Final payment		0	28-Apr-15		0
NHT2380	Final Report		0	28-Apr-15		0
NHT2390	As Built drawings		0	28-Apr-15		0
NHT2400	Clearance certificate from local entities/ Authorities invloved		0	28-Apr-15		0
Procurements			189	15-Jan-14	13-Sep-14	160
NHT2410	Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings		0	15-Jan-14		18
NHT2420	Start Delivery 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings		0	11-Feb-14		18
NHT2430	Start Order valves and other related materials		0	09-Mar-14		111
NHT2440	Order Street Lighting Poles		0	30-Mar-14		160
NHT2450	Start Delivery valves and other related materials		0	19-May-14		111
NHT2460	Delivery Street Lighting Poles		0		13-Sep-14	160
Construction Phase			463	18-Jan-14	26-Apr-15	0
Construction Milestones			463	18-Jan-14	26-Apr-15	0
NHT2470	Start Implement traffic control and safety plan		10	18-Jan-14	29-Jan-14	0
NHT2480	Start Construction (Ground Breaking)		0	30-Jan-14		0
NHT2490	Construction Duration (Working Days)		364	30-Jan-14	26-Apr-15	0
NHT2500	Finish Construction Phase		0		26-Apr-15	0
Construction Main pipe line			355	29-Jan-14	26-Apr-15	0
Group One from Sta.A0+000 to Sta.A3+320 Seg. C , E,Hussan & Battir Distribution pipes			329	29-Jan-14	26-Mar-15	7
SEG.A From Sta.A0+000 to Sta.A1+440 (Reconstruction Road at Non-Residantial area)			97	29-Jan-14	25-May-14	0
Safety and Excavation			97	29-Jan-14	25-May-14	0
NHT2510	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#1	97	29-Jan-14	25-May-14	0
NHT2520	Excavation for reconstruction road from From Sta. A0+000 To A0+720	Exca. Crew#1	21	30-Jan-14	24-Feb-14	6
NHT2530	Embankment for reconstruction road including subgrade SEG.A From Sta.A0+720 to Sta.A0+000	Exca. Crew#1	21	18-Feb-14	15-Mar-14	22



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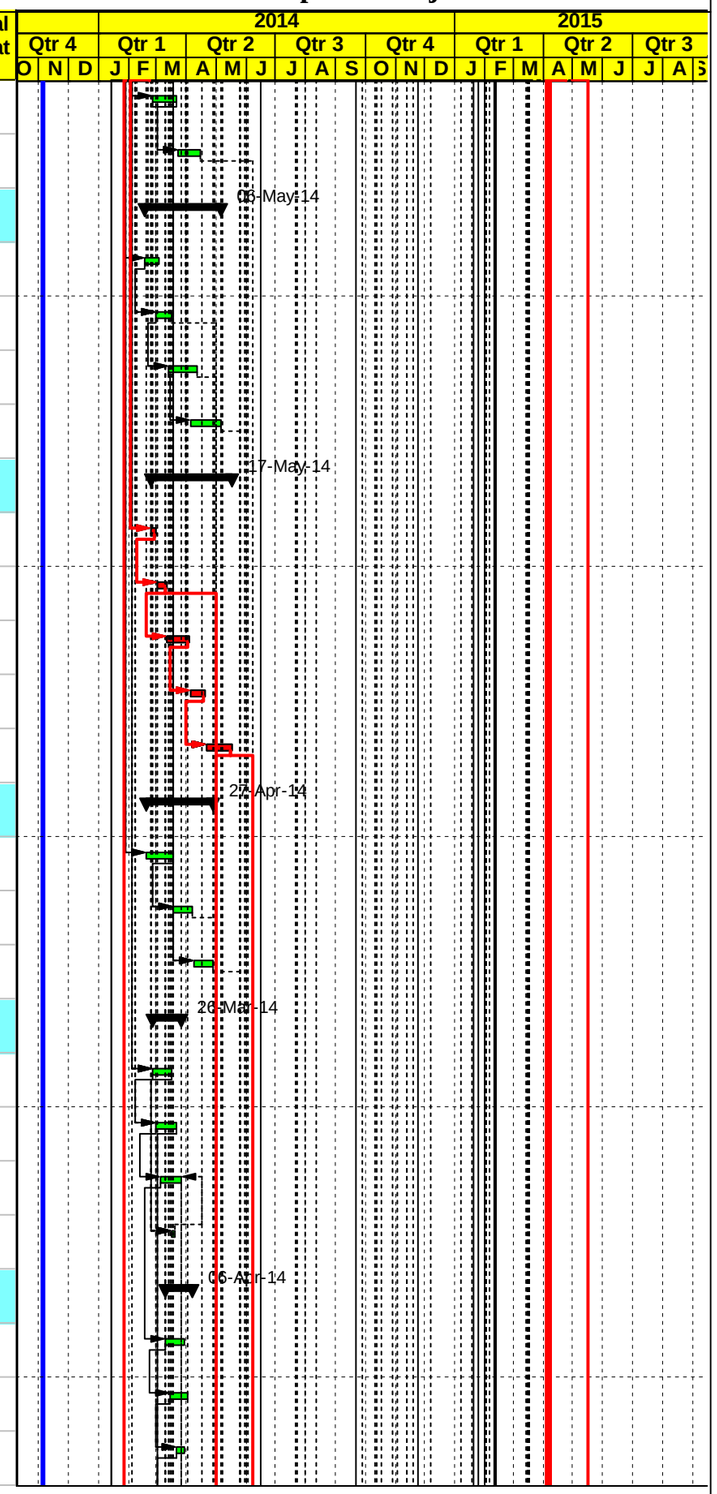
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT2540	Excavation for reconstruction road From Sta. A0+720 To A1+440	Exca. Crew#1	21	25-Feb-14	22-Mar-14	16
NHT2550	Embankment for reconstruction road including subgrade SEG.A From Sta.A1+440 to Sta.A0+720	Exca. Crew#1	21	23-Mar-14	15-Apr-14	16
Concrete Wall Crew one			66	17-Feb-14	06-May-14	9
NHT2560	Construct R.Contreate Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM)	Conc.W. Crew#1	14	17-Feb-14	04-Mar-14	9
NHT2570	Construct R.Contreate Retaining wall from Sta. A0+290 to A0+355 RHS (65 LM)	Conc.W. Crew#1	13	01-Mar-14	16-Mar-14	9
NHT2580	Construct R.Contreate Retaining wall from Sta. A0+479 to A0+625 LHS (146 LM)	Conc.W. Crew#1	26	13-Mar-14	12-Apr-14	9
NHT2590	Construct R.Contreate Retaining wall from Sta. A0+625 to A0+770 LHS (145 LM)	Conc.W. Crew#1	26	06-Apr-14	06-May-14	9
Concrete Wall Crew two			69	24-Feb-14	17-May-14	0
NHT2600	Construct R.Contreate Retaining wall from Sta. A0+570 to A0+590 RHS (20 LM)	Conc.W. Crew#2	5	24-Feb-14	01-Mar-14	0
NHT2610	Construct R.Contreate Retaining wall from Sta. A0+800 to A0+840 LHS (40 LM)	Conc.W. Crew#2	8	02-Mar-14	11-Mar-14	0
NHT2620	Construct R.Contreate Retaining wall from Sta. A0+880 to A0+990 LHS (110 LM)	Conc.W. Crew#2	20	12-Mar-14	03-Apr-14	0
NHT2630	Construct R.Contreate Retaining wall from Sta. A0+918 to A0+990 RHS (72 LM)	Conc.W. Crew#2	14	05-Apr-14	20-Apr-14	0
NHT2640	Construct R.Contreate Retaining wall from Sta. A1+422 to A1+300 LHS (122 LM)	Conc.W. Crew#2	22	21-Apr-14	17-May-14	0
Box Culvert			57	19-Feb-14	27-Apr-14	16
NHT2650	Construct 2.0x2.0x19 M box culvert @Sta. A0+590	Box Culvert. Crew#1	23	19-Feb-14	18-Mar-14	23
NHT2660	Construct 1.5x1.5x12 M box culvert @Sta. A0+953	Box Culvert. Crew#1	16	19-Mar-14	06-Apr-14	23
NHT2670	Construct1.5x1.5x15 M box culvert @Sta. A1+356	Box Culvert. Crew#1	17	08-Apr-14	27-Apr-14	16
Pipe Installation			25	25-Feb-14	26-Mar-14	6
NHT2690	Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+310 length approx. (1210 LM)	Pipeline. Crew#1	16	25-Feb-14	16-Mar-14	6
NHT2700	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (1340 LM)	Pipeline. Crew#1	18	01-Mar-14	22-Mar-14	6
NHT2710	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	18	05-Mar-14	26-Mar-14	6
NHT2680	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from sta. A1+440 to A1+310 length approx. (130 LM)	Pipeline. Crew#1	3	17-Mar-14	19-Mar-14	12
Chamber work			24	10-Mar-14	06-Apr-14	18
NHT2720	Construct - Wash out Valve chamber @ Sta. A0+624 .A0+911& &A1+340 ,	Valve chamber Crew#1	17	10-Mar-14	29-Mar-14	18
NHT2730	Construct - AR/AV Valve chamber @ Sta. A0+719, A1+108 and A1+213	Valve chamber Crew#1	17	15-Mar-14	02-Apr-14	18
NHT2740	Construct - Butterfly Valve chamber @ Sta.A1+084	Valve chamber Crew#1	8	22-Mar-14	30-Mar-14	18



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

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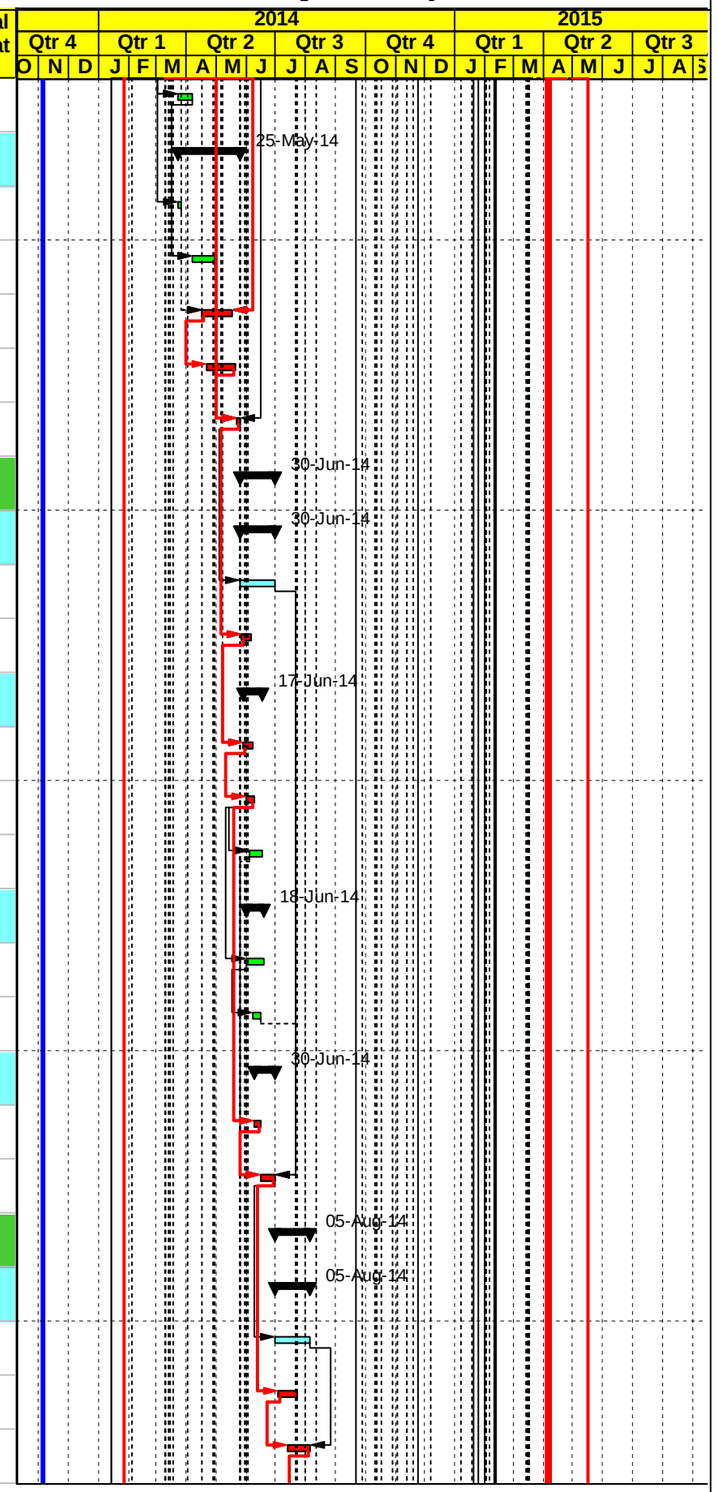
NHT2750	Construct -300 mm flow monitoring chamber @ Sta.A0+660	Valve chamber Crew#1	12	24-Mar-14	06-Apr-14	18
Testing , Base course ,Stone Wall and Asphalt			54	23-Mar-14	25-May-14	0
NHT2760	Testing	Pipeline. Crew#1	5	23-Mar-14	27-Mar-14	16
NHT2770	Construct all stone walls as located on drawings refer to details skitch #2 from sta.A1+018 to A1+340	Stone W.. Crew#1	20	07-Apr-14	29-Apr-14	18
NHT2780	20 cm thick for first base course layer	B.C. Crew#1	26	16-Apr-14	17-May-14	0
NHT2790	20 cm thick for second base course layer	B.C. Crew#1	26	21-Apr-14	21-May-14	0
NHT2800	7cm Asphalt wearing corse	Asphalt Crew#1	3	22-May-14	25-May-14	0
SEG.A From Sta.A1+440- A2+190 RHS (Recons. Road -Resid. area)			30	26-May-14	30-Jun-14	3
Safety and Excavation			30	26-May-14	30-Jun-14	0
NHT2810	Implement traffic control and safety plan with corrdination	Traffic & S.Crew#1	30	26-May-14	30-Jun-14	0
NHT2820	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	8	28-May-14	05-Jun-14	0
Pipe Installation			17	29-May-14	17-Jun-14	6
NHT2830	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from A1+440 to sta. A2+190 length approx. (750 LM)	Pipeline. Crew#1	8	29-May-14	07-Jun-14	0
NHT2840	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection(830 LM)	Pipeline. Crew#1	8	01-Jun-14	09-Jun-14	0
NHT2850	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	12	04-Jun-14	17-Jun-14	6
Chamber work			16	01-Jun-14	18-Jun-14	12
NHT2860	Construct - AR/AV Valve chamber @ A1+457, Sta. A1+727 &,A1+820,.	Valve chamber Crew#1	16	01-Jun-14	18-Jun-14	12
NHT2870	Construct - Wash out Valve chamber @ Sta.A1+503	Valve chamber Crew#1	8	07-Jun-14	15-Jun-14	12
Testing and Basecourse			17	10-Jun-14	30-Jun-14	0
NHT2880	Testing	Pipeline. Crew#1	5	10-Jun-14	15-Jun-14	0
NHT2890	20 cm thick for t base course layer	B.C. Crew#1	12	16-Jun-14	30-Jun-14	0
SEG.A From Sta.A1+440 - A2+190 LHS (Recons. Road -Resid. area)			19	30-Jun-14	05-Aug-14	0
Safety, Excavation and Basecourse			19	30-Jun-14	05-Aug-14	0
NHT2900	Implement traffic control and safety plan with corrdination	Traffic & S.Crew#1	19	30-Jun-14	05-Aug-14	0
NHT2910	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	11	03-Jul-14	23-Jul-14	0
NHT2920	20 cm thick for t base course layer	B.C. Crew#1	11	14-Jul-14	05-Aug-14	0



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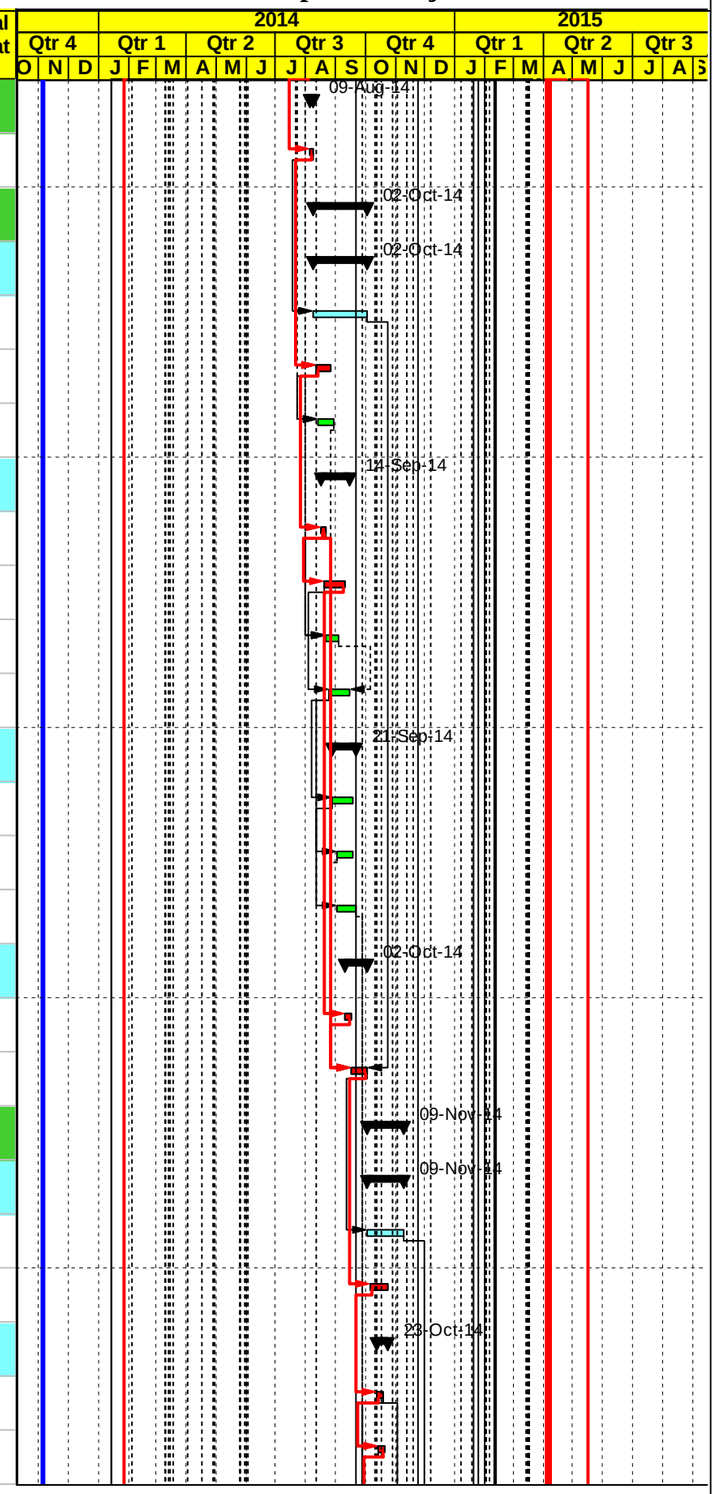
SEG.A From Sta.A1+440 to Sta.A2+190) Asphalt Works			3	05-Aug-14	09-Aug-14	0
NHT2930	7cm asphal wearing course including prime coat	Asphalt Crew#1	3	05-Aug-14	09-Aug-14	0
SEG.A From Sta A2+190.to Sta. A3+320 (Reconstruction Road at Non-Residantial area)			47	09-Aug-14	02-Oct-14	16
Safety, Excavation and Box Culvert			47	09-Aug-14	02-Oct-14	0
NHT2940	Implement traffic control and safety plan with corrdination	Traffic & S.Crew#1	47	09-Aug-14	02-Oct-14	0
NHT2950	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	14	11-Aug-14	27-Aug-14	0
NHT2960	Construct - 1.5x15m Box box culvert @ Sta.A2+225 with concrete inlet and oulet	Pipe C. Crew#1	14	13-Aug-14	30-Aug-14	15
Pipe Installation			25	16-Aug-14	14-Sep-14	11
NHT2965	Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from A2+190 to sta.A2+430 length approx. (240 LM)	Pipeline. Crew#1	5	16-Aug-14	21-Aug-14	0
NHT2980	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (1370 LM)	Pipeline. Crew#1	18	20-Aug-14	10-Sep-14	0
NHT2985	Trench excavation for 300mm main pipeline with 50 mm dist. Pipe from A2+430 to sta. A3+310 length approx. (880 LM)	Pipeline. Crew#1	12	21-Aug-14	04-Sep-14	19
NHT2990	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	18	24-Aug-14	14-Sep-14	11
Chamber work			20	28-Aug-14	21-Sep-14	26
NHT3020	Construct - Wash out Valve chamber @ Sta.A2+222,A2+973,A3+187, & A3+281.	Valve chamber Crew#1	18	28-Aug-14	18-Sep-14	11
NHT3030	Construct - Butterfly Valve chamber @ Sta.A2+590	Valve chamber Crew#1	15	01-Sep-14	18-Sep-14	11
NHT3035	Construct - AR/AV Valve chamber @ Sta.A3+120, A3+249 & A3+320	Valve chamber Crew#1	16	02-Sep-14	21-Sep-14	26
Testing and Base course			19	10-Sep-14	02-Oct-14	0
NHT3040	Testing	Pipeline. Crew#1	5	10-Sep-14	16-Sep-14	0
NHT3050	20 cm thick for base course layer	B.C. Crew#1	14	16-Sep-14	02-Oct-14	0
SEG.C From St.C0+000 -St.C0+330 RHS (Recons. Road -Resid. area)			28	02-Oct-14	09-Nov-14	0
Safety and Excavation			28	02-Oct-14	09-Nov-14	0
NHT3060	Implement traffic control and safety plan with corrdination	Traffic & S.Crew#1	28	02-Oct-14	09-Nov-14	0
NHT3070	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	12	05-Oct-14	23-Oct-14	0
Pipe Installation			10	12-Oct-14	23-Oct-14	3
NHT3080	Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from C0+000 to sta. C0+330 (330 LM)	Pipeline. Crew#1	5	12-Oct-14	18-Oct-14	0
NHT3090	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (330 LM)	Pipeline. Crew#1	5	14-Oct-14	20-Oct-14	0



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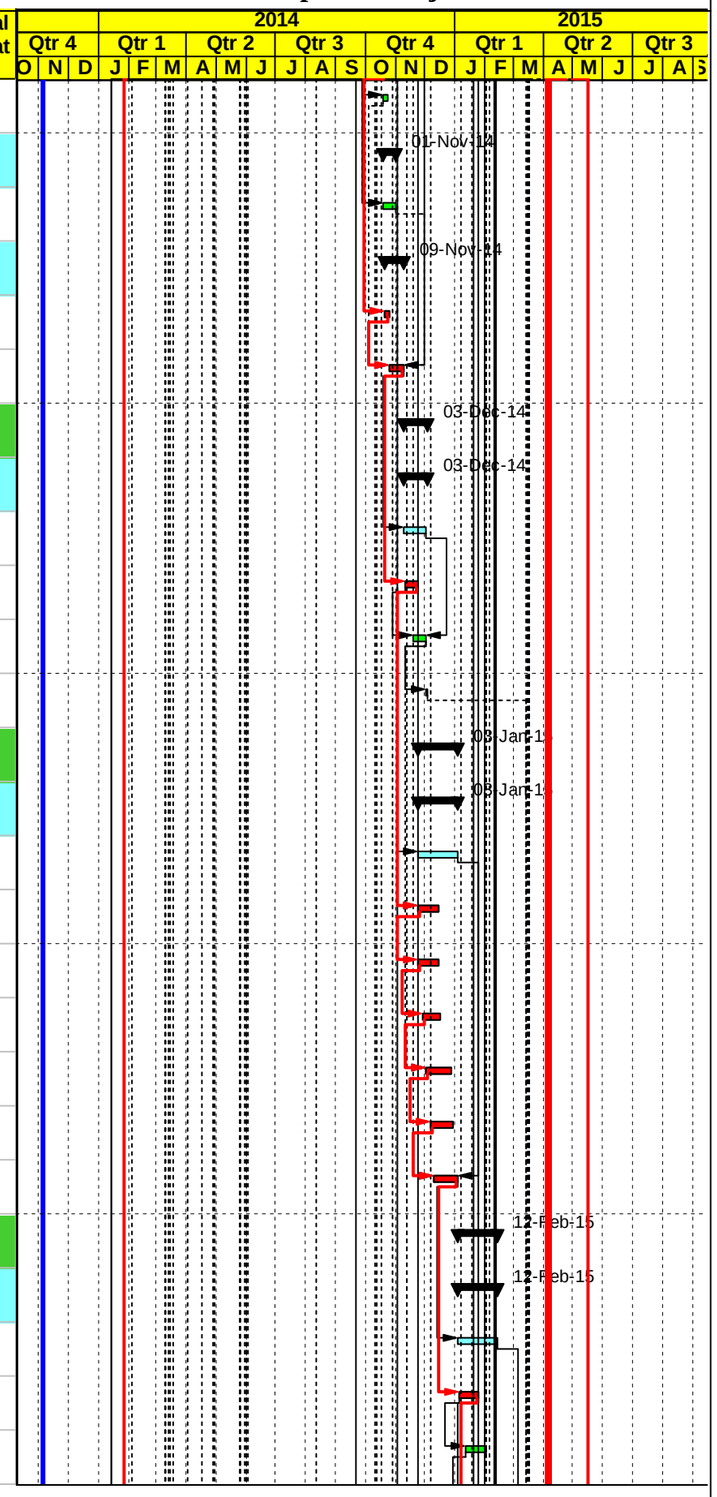
NHT3100	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	5	18-Oct-14	23-Oct-14	3
Chamber work			12	18-Oct-14	01-Nov-14	7
NHT3110	Construct -Nahaleen Connection chamber @ Sta.C0+320	Valve chamber Crew#1	12	18-Oct-14	01-Nov-14	7
Testing and Basecourse			17	20-Oct-14	09-Nov-14	0
NHT3120	Testing	Pipeline. Crew#1	5	20-Oct-14	26-Oct-14	0
NHT3130	20 cm thick for t base course layer	B.C. Crew#1	12	26-Oct-14	09-Nov-14	0
SEG.C From Sta.C0+000 -.C0+330 LHS (Recons. Road -Resid. area)			20	09-Nov-14	03-Dec-14	92
Safety, Excavation and Asphalt Works			20	09-Nov-14	03-Dec-14	92
NHT3140	Implement traffic control and safety plan with corrdination	Traffic & S.Crew#1	18	09-Nov-14	01-Dec-14	1
NHT3150	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	9	11-Nov-14	23-Nov-14	0
NHT3160	20 cm thick for t base course layer	B.C. Crew#1	10	18-Nov-14	01-Dec-14	1
NHT3170	7 cm Asphalt wearing course including prime	Asphalt Crew#1	2	01-Dec-14	03-Dec-14	92
SEG.E From Sta. E0+000 to Sta.E1+276 RHS (Reconstruction Road at -Residantial area)			29	23-Nov-14	03-Jan-15	0
Safety, Excavation, Concrete Works and Basecourse			29	23-Nov-14	03-Jan-15	0
NHT3180	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#1	29	23-Nov-14	03-Jan-15	0
NHT3190	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	16	23-Nov-14	14-Dec-14	0
NHT3200	New retaing walls if required	Conc.W. Crew#1	16	24-Nov-14	15-Dec-14	0
NHT3210	Reinf.concrete foundation and PVC condut cable for street lighting	Street L. Crew#1	13	29-Nov-14	16-Dec-14	0
NHT3220	20 cm thick for first base course layer	B.C. Crew#1	16	02-Dec-14	27-Dec-14	0
NHT3230	20 cm thick for second base course layer	B.C. Crew#1	16	07-Dec-14	30-Dec-14	0
NHT3240	Curbstone ,concrete side walks, ramps includind 15 cm base course under side walk	Side walk Crew#1	16	09-Dec-14	03-Jan-15	0
SEG.E From Sta. E0+000 to Sta.E1+276 LHS (Reconstruction Road at -Residantial area)			30	03-Jan-15	12-Feb-15	42
Safety, Excavation, Concrete Works and Basecourse			30	03-Jan-15	12-Feb-15	42
NHT3250	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#1	30	03-Jan-15	12-Feb-15	42
NHT3260	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#1	15	04-Jan-15	25-Jan-15	0
NHT3270	20 cm thick for first base course layer	B.C. Crew#1	14	12-Jan-15	01-Feb-15	42



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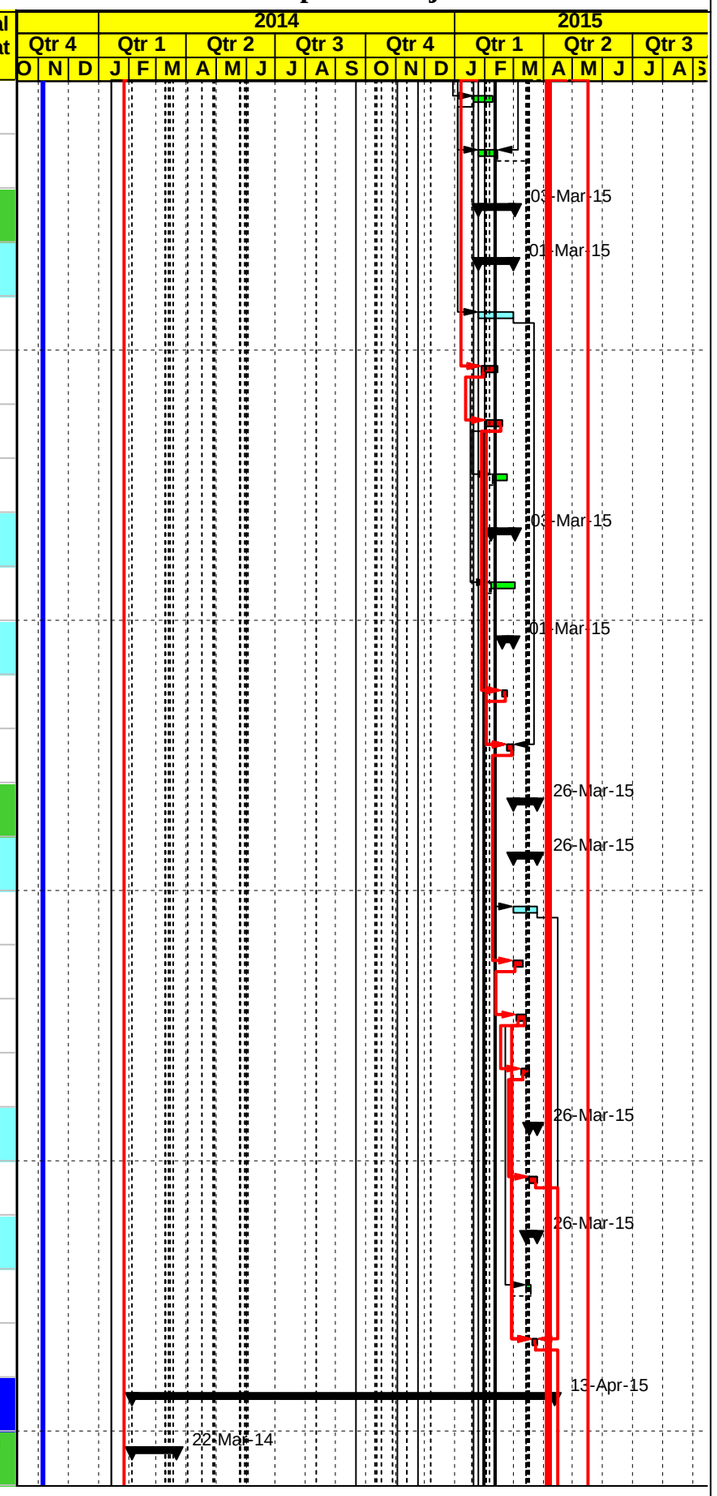
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT3280	20 cm thick for second base course layer	B.C. Crew#1	14	19-Jan-15	08-Feb-15	42
NHT3290	Curbstone ,concrete side walks, ramps includind 15 cm base course under side walk	Side walk Crew#1	15	24-Jan-15	12-Feb-15	42
Hussan Distribution pipes			30	25-Jan-15	03-Mar-15	7
Safety and Pipe Installation			28	25-Jan-15	01-Mar-15	7
NHT3310	Implement traffic control and safety plan ,corrdination	Traffic & S.Crew#1	28	25-Jan-15	01-Mar-15	0
NHT3320	Trench excavation for 100mm main pipeline at Hussan village length approx. (950 LM)	Pipeline. Crew#1	12	27-Jan-15	12-Feb-15	0
NHT3330	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (1380 LM)	Pipeline. Crew#1	12	02-Feb-15	17-Feb-15	0
NHT3340	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	12	08-Feb-15	22-Feb-15	13
Chamber work			21	07-Feb-15	03-Mar-15	7
NHT3350	Construct - AR/AV Valve chamber @ Hussan village	Valve chamber Crew#1	21	07-Feb-15	03-Mar-15	7
Testing and Asphalt			10	17-Feb-15	01-Mar-15	0
NHT3360	Testing	Pipeline. Crew#1	5	17-Feb-15	23-Feb-15	0
NHT3370	Restoration pavement full width	Asphalt Crew#1	5	23-Feb-15	01-Mar-15	0
Battir Distribution pipes			21	01-Mar-15	26-Mar-15	0
Safety and Pipe Installation			21	01-Mar-15	26-Mar-15	0
NHT3380	Implement traffic control and safety plan ,corrdination	Traffic & S.Crew#1	21	01-Mar-15	26-Mar-15	0
NHT3390	Trench excavation for 150mm main pipeline at Battir village length approx. (430 LM)	Pipeline. Crew#1	7	01-Mar-15	10-Mar-15	0
NHT3400	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection(430 LM)	Pipeline. Crew#1	7	04-Mar-15	14-Mar-15	0
NHT3410	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#1	7	09-Mar-15	17-Mar-15	0
Chamber work			8	17-Mar-15	26-Mar-15	0
NHT3420	Construct -Gate Valve chamber @ Battir village	Valve chamber Crew#1	8	17-Mar-15	26-Mar-15	0
Testing and Asphalt			11	14-Mar-15	26-Mar-15	0
NHT3430	Testing	Pipeline. Crew#1	5	14-Mar-15	19-Mar-15	1
NHT3440	Restoration pavement full width	Asphalt Crew#1	5	21-Mar-15	26-Mar-15	0
Group Two Seg D , SEG.A Road From Sta. 3+320 to Sta. A8+203 and Seg. B			339	04-Feb-14	13-Apr-15	0
SEG.D From Sta.D0+518 to Sta.D0+000 (Main Pipeline at Non-Residantial area)			38	04-Feb-14	22-Mar-14	259



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

Date	Revision	Checked	Approved
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APCO ArCon CONSTRUCTION AND SERVICES

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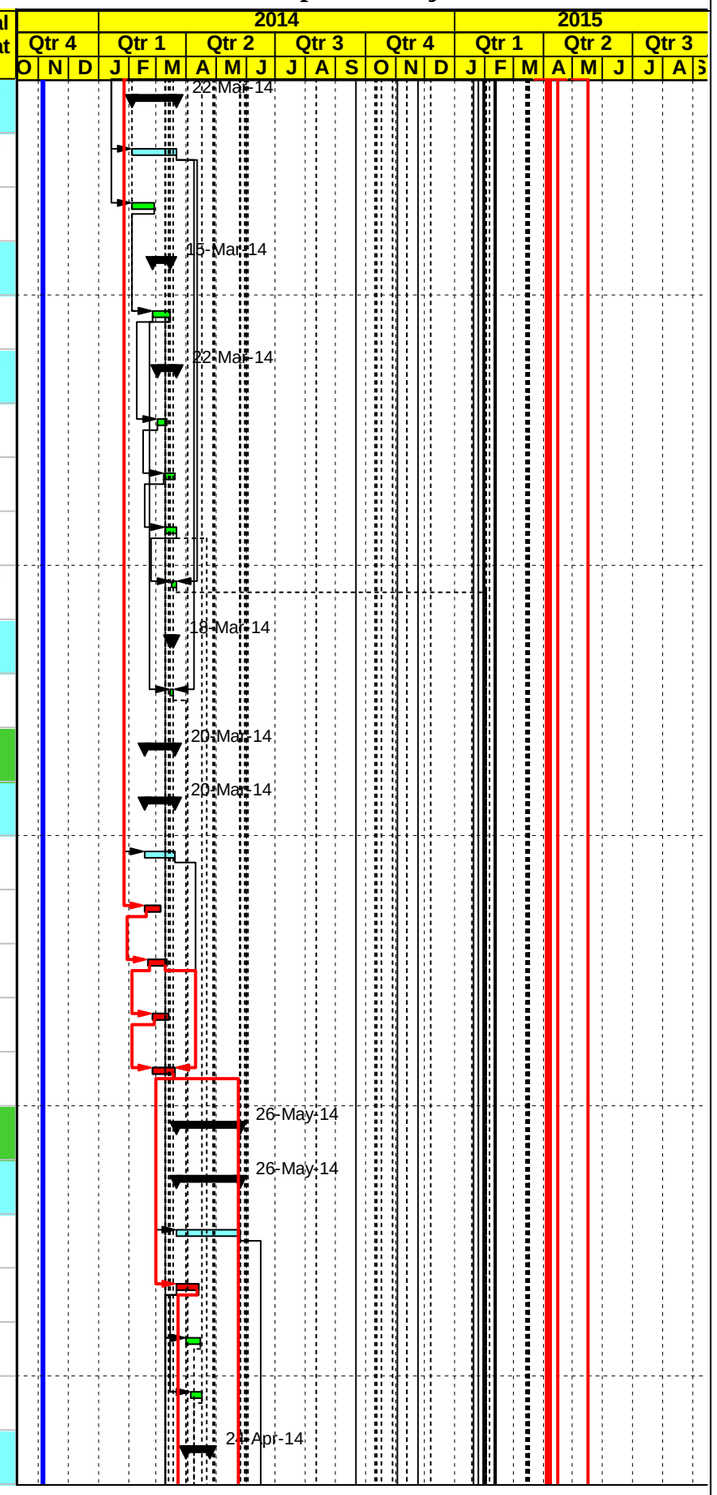
(Baseline)

TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
Safety, Excavation and Concrete Works			38	04-Feb-14	22-Mar-14	259
NHT3450	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	38	04-Feb-14	22-Mar-14	259
NHT3460	Excavation and R.concrete foundation supports for main pipeline	Exca. Crew#2	18	05-Feb-14	26-Feb-14	19
Pipe Installation			14	26-Feb-14	15-Mar-14	19
NHT3470	Install 300 mm main steel pipe line and cast concrete above supports	Pipeline. Crew#2	14	26-Feb-14	15-Mar-14	19
Chamber work			17	02-Mar-14	22-Mar-14	259
NHT3480	Construct - Butterfly Valve chamber @ Sta.D0+504	Valve chamber Crew#2	8	02-Mar-14	11-Mar-14	53
NHT3490	Construct - Wash out Valve chamber @ Sta.D0+500 & D0+080	Valve chamber Crew#2	11	08-Mar-14	19-Mar-14	53
NHT3500	Construct - AR/AV Valve chamber @ Sta.D0+110 & D0+068	Valve chamber Crew#2	11	10-Mar-14	22-Mar-14	53
NHT3510	Connection to makarot pipeline	Valve chamber Crew#2	5	17-Mar-14	22-Mar-14	259
Testing			3	16-Mar-14	18-Mar-14	50
NHT3520	Testing	Pipeline. Crew#2	3	16-Mar-14	18-Mar-14	50
SEG.A From Sta.A3+320 to Sta.A5+800 LHS (Widining and Miling reconstruction Road area)			26	18-Feb-14	20-Mar-14	0
Safety, Excavation, Culvert and Basecourse			26	18-Feb-14	20-Mar-14	0
NHT3530	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	26	18-Feb-14	20-Mar-14	0
NHT3540	Saw Cut to Edge of Existing Asphalt ,and Excavation for road widining	Exca. Crew#2	14	18-Feb-14	05-Mar-14	0
NHT3550	Construct -LHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with concrete oulet	Pipe C. Crew#2	16	20-Feb-14	11-Mar-14	0
NHT3560	Construct -LHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with concrete outlet	Pipe C. Crew#2	14	25-Feb-14	13-Mar-14	0
NHT3570	Subgrade and Install first and second layer of 20 cm base course for widining the road LHS	B.C. Crew#2	20	25-Feb-14	20-Mar-14	0
SEG.A From Sta.A3+320 to Sta.A4+560 RHS (Widining and Miling reconstruction area)			56	22-Mar-14	26-May-14	17
Safety, Excavation, Culvert , concrete channel and Basecourse			56	22-Mar-14	26-May-14	17
NHT3580	Implement traffic control and safety plan ,coordination for relocation utilities and others	Traffic & S.Crew#2	56	22-Mar-14	26-May-14	17
NHT3590	Saw Cut to Edge of Existing Asphalt , Excavation for road widening and slope cut	Exca. Crew#2	20	22-Mar-14	13-Apr-14	0
NHT3600	Construct -RHS of 1.0x1.0m Box box culvert @ Sta.A3+636 with inlet	Pipe C. Crew#2	13	01-Apr-14	15-Apr-14	29
NHT3610	Construct - Concrete channel from Sta.3+360 to sta. 3+850 RHS (490 LM)	Pipe C. Crew#2	10	06-Apr-14	16-Apr-14	28
Pipe Installation			22	31-Mar-14	24-Apr-14	17



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

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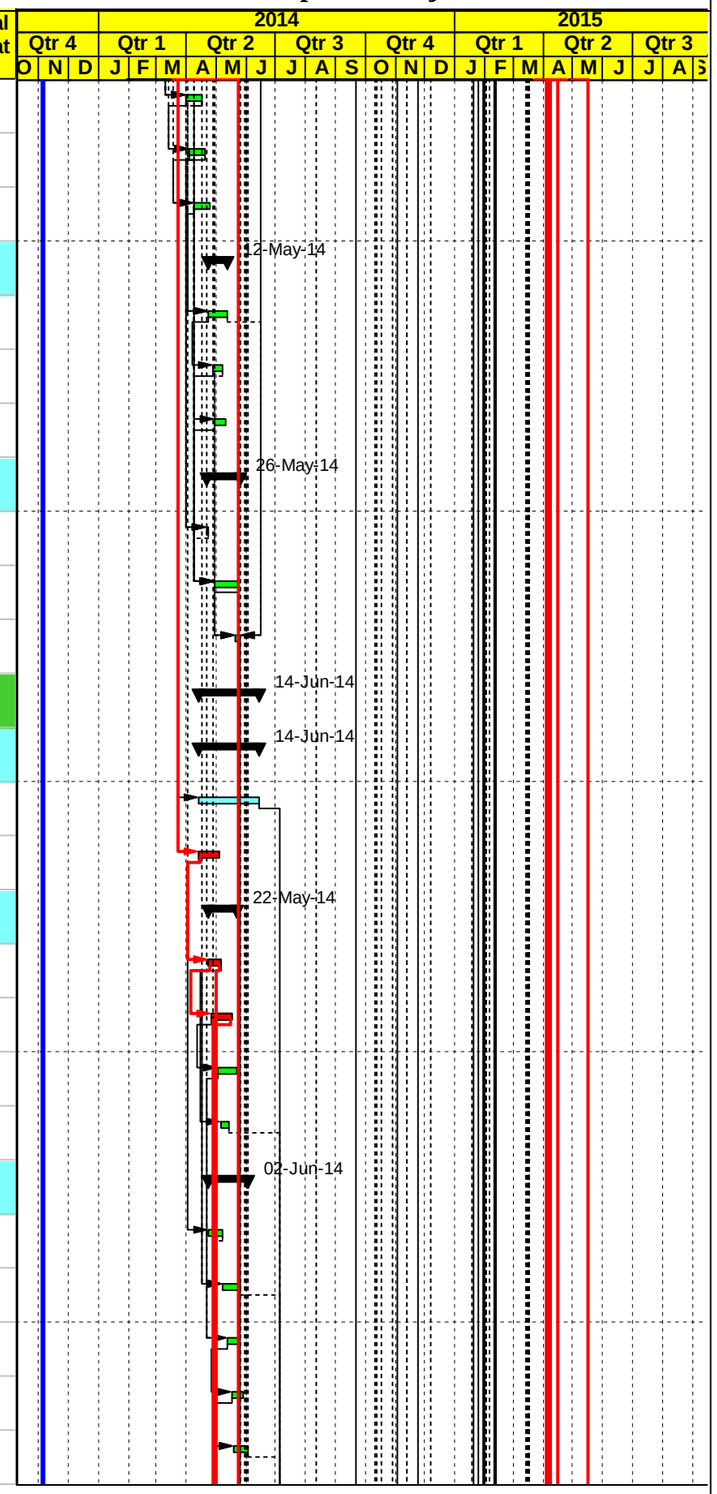
TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT3620	Trench excavation for 250 mm main pipeline from A3+350 to sta.A4+560 with length approx. (1210LM)	Pipeline. Crew#2	15	31-Mar-14	16-Apr-14	6
NHT3630	Bedding (crushed stone) and install the above main and distrubution Steel pipe with welding inspection	Pipeline. Crew#2	15	03-Apr-14	20-Apr-14	17
NHT3640	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#2	15	08-Apr-14	24-Apr-14	17
Chamber work			15	24-Apr-14	12-May-14	17
NHT3650	Construct - Wash out Valve chamber @ Sta.3+612, 3+811 & 4+092	Valve chamber Crew#2	15	24-Apr-14	12-May-14	17
NHT3660	Construct - AR/AV Valve chamber @ Sta.A3+721	Valve chamber Crew#2	9	28-Apr-14	08-May-14	17
NHT3670	Construct - Butterfly Valve chamber @ Sta.A4+088	Valve chamber Crew#2	9	30-Apr-14	11-May-14	17
Testing, Base course and Stone Wall			30	21-Apr-14	26-May-14	17
NHT3680	Testing	Pipeline. Crew#2	3	21-Apr-14	23-Apr-14	22
NHT3690	Subgrad and install first and second layer of 20 cm base course for widining the road	B.C. Crew#2	20	30-Apr-14	24-May-14	17
NHT3700	Construct - stone wall l from Sta.A3+360 to sta. A3+370 RHS	Stone W.. Crew#2	5	21-May-14	26-May-14	17
SEG.A From Sta.A4+560 to Sta.A5+800 RHS (Widining and Miling reconstruction area)			53	13-Apr-14	14-Jun-14	0
Safety, Excavation and Concrete Works			53	13-Apr-14	14-Jun-14	0
NHT3710	Implement traffic control and safety plan ,coordination for relocation utilities and others	Traffic & S.Crew#2	53	13-Apr-14	14-Jun-14	0
NHT3720	Saw Cut to Edge of Existing Asphalt , Excavation for road widining and slope cut	Exca. Crew#2	18	14-Apr-14	05-May-14	0
Pipe Installation			25	23-Apr-14	22-May-14	19
NHT3730	Trench excavation for 250 mm main pipeline from A4+560 to sta.A5+434 with length approx. (874 LM)	Pipeline. Crew#2	11	23-Apr-14	06-May-14	0
NHT3740	Bedding (crushed stone) and install the above main and distrubution Steel pipe with welding inspection	Pipeline. Crew#2	18	27-Apr-14	18-May-14	0
NHT3750	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#2	18	03-May-14	22-May-14	10
NHT3760	Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+434 to A5+800 length approx. (366 LM)	Pipeline. Crew#2	7	07-May-14	14-May-14	26
Chamber work			34	23-Apr-14	02-Jun-14	10
NHT3770	Construct -RHS Dia.1000 mm of double pipe culvert @ Sta.A5+469 with inlet	Pipe C. Crew#2	12	23-Apr-14	07-May-14	12
NHT3780	Construct 600 & 400 mm precast Concrete pipe for storm sytem with manholes &catch basin from st. A5+480-A5+800 (320 LM)	Pipe C. Crew#2	16	08-May-14	26-May-14	16
NHT3790	Construct - Wash out Valve chamber @ 5+590	Valve chamber Crew#2	10	13-May-14	24-May-14	10
NHT3800	Construct - Butterfly Valve chamber @ A5+587	Valve chamber Crew#2	10	18-May-14	28-May-14	10
NHT3810	Construct -250mm flow monitoring chamber @ Sta.A5+725	Valve chamber Crew#2	13	19-May-14	02-Jun-14	10



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

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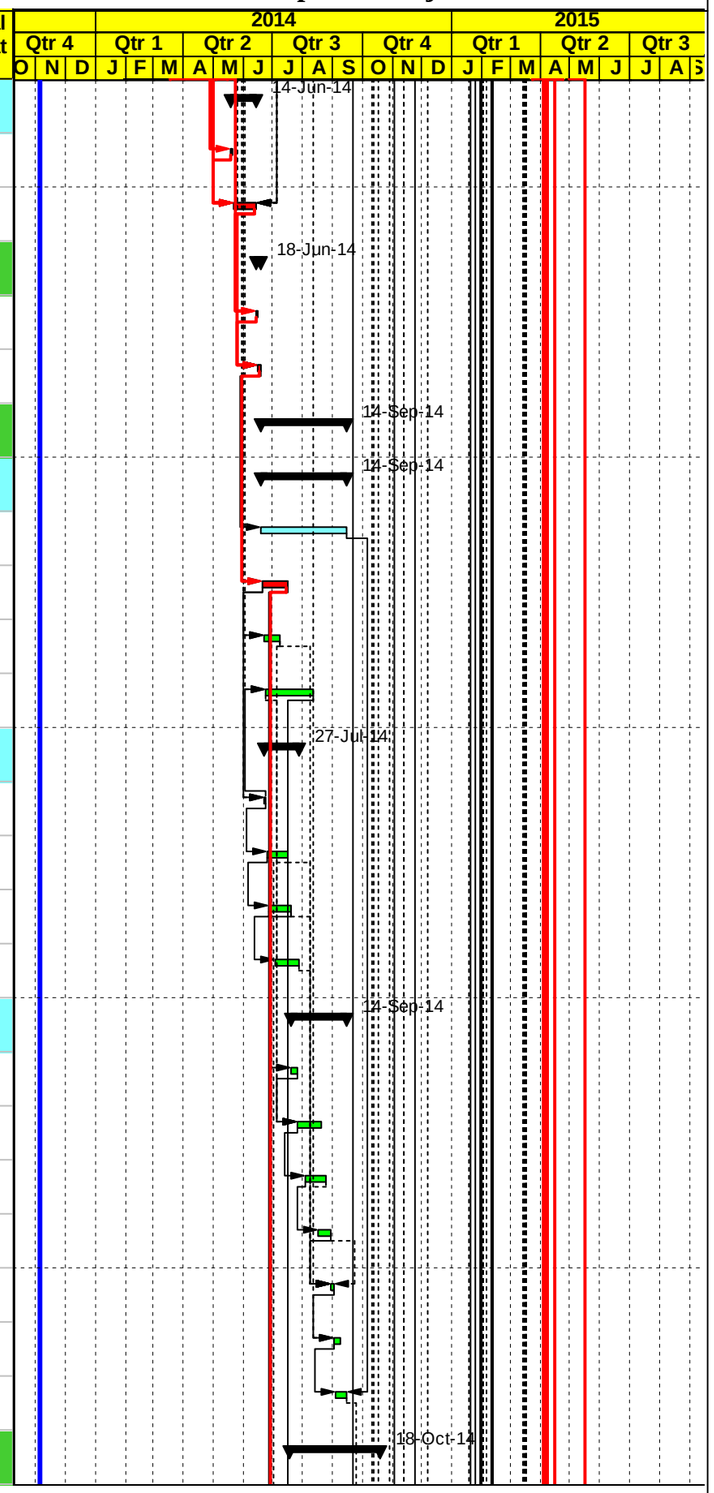
TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
Testing and Base course			23	19-May-14	14-Jun-14	0
NHT3820	Testing	Pipeline. Crew#2	3	19-May-14	21-May-14	0
NHT3830	Subgrad and install first and second layer of 20 cm base course for widining the road	B.C. Crew#2	20	22-May-14	14-Jun-14	0
SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS (Asphalt -work)			4	15-Jun-14	18-Jun-14	0
NHT3840	Asphalt millimg for the existing road	Asphalt Crew#1	1	15-Jun-14	15-Jun-14	0
NHT3850	7 cm Asphalt wearing layer for road widining & 5cm overlay asphalt above millimg road area including prime& tack coat	Asphalt Crew#1	3	16-Jun-14	18-Jun-14	0
SEG.A From Sta.A5+800 to Sta. 6+630 RHS (Reconstruction Road at Residantial area)			62	19-Jun-14	14-Sep-14	22
Safety, Excavation, Pipe Culvert and storm system			62	19-Jun-14	14-Sep-14	22
NHT3860	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	62	19-Jun-14	14-Sep-14	22
NHT3870	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	18	21-Jun-14	17-Jul-14	0
NHT3880	Construct -RHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with outlet	Pipe C. Crew#2	12	22-Jun-14	08-Jul-14	31
NHT3890	Construct 600 &400 mm precast concrete pipe for storm sytem with manholes &catch basin from st. A5+800 to A6+630	Pipe C. Crew#2	30	24-Jun-14	12-Aug-14	3
Pipe Installation			22	22-Jun-14	27-Jul-14	47
NHT3900	Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from A5+800 to sta.A5+840 length approx. (40 LM)	Pipeline. Crew#2	3	22-Jun-14	24-Jun-14	3
NHT3910	Trench excavation for 200mm main pipeline with 150 mm dist. Pipe from A5+840 to sta.A6+630 length (830 LM)	Pipeline. Crew#2	13	25-Jun-14	16-Jul-14	4
NHT3920	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (870 LM)	Pipeline. Crew#2	13	28-Jun-14	20-Jul-14	22
NHT3930	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#2	13	03-Jul-14	27-Jul-14	47
Testing and Base course and Stone Wall			42	20-Jul-14	14-Sep-14	22
NHT3940	Testing	Pipeline. Crew#2	3	20-Jul-14	26-Jul-14	22
NHT3950	20 cm thick for first base course layer	B.C. Crew#2	18	26-Jul-14	20-Aug-14	22
NHT3960	20 cm thick for second base course layer	B.C. Crew#2	18	03-Aug-14	24-Aug-14	22
NHT3970	Reinf.concrete foundation and PVC condut cable for street lighting	Street L. Crew#1	12	16-Aug-14	30-Aug-14	22
NHT3980	5cm asphalt binder course including prime coat	Asphalt Crew#2	2	30-Aug-14	01-Sep-14	22
NHT3990	Construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	6	01-Sep-14	08-Sep-14	22
NHT4000	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	Side walk Crew#2	8	04-Sep-14	14-Sep-14	22
SEG.A From Sta.A6+630 to Sta. 7+460 RHS (Reconstruction Road at Residantial area)			68	19-Jul-14	18-Oct-14	0



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

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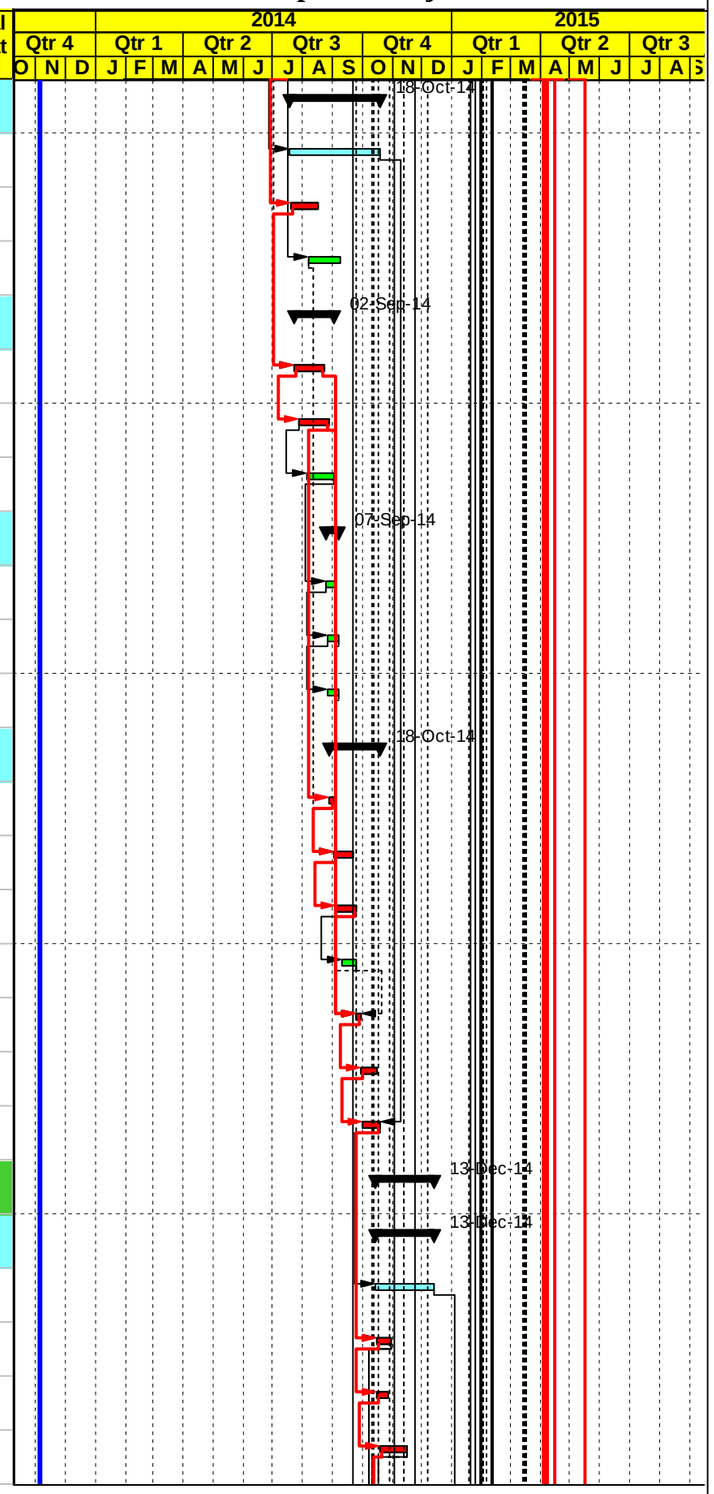
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
Safety, Excavation, Pipe Culvert and storm system			68	19-Jul-14	18-Oct-14	0
NHT4010	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	68	19-Jul-14	18-Oct-14	0
NHT4020	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	18	20-Jul-14	17-Aug-14	0
NHT4030	Construct 600&400 mm precast concrete pipe for storm sytem with manholes & catch basin from st. A6+630 to A7+460	Pipe C. Crew#2	28	06-Aug-14	08-Sep-14	3
Pipe Installation			30	23-Jul-14	02-Sep-14	16
NHT4040	Trench excavation for 200mm main pipeline with 150 mm dist. Pipe from A6+630 to sta.A7+406.6 length (777 LM)	Pipeline. Crew#2	21	23-Jul-14	23-Aug-14	0
NHT4050	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (777 LM)	Pipeline. Crew#2	24	28-Jul-14	28-Aug-14	0
NHT4060	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#2	24	05-Aug-14	02-Sep-14	16
Chamber work			12	24-Aug-14	07-Sep-14	16
NHT4070	Construct - AR/AV Valve chamber @ Sta.A7+046	Valve chamber Crew#2	9	24-Aug-14	03-Sep-14	16
NHT4080	Construct -200 Gate Valve chamber @ Sta.A7+085	Valve chamber Crew#2	9	26-Aug-14	06-Sep-14	16
NHT4090	Construct - Wash out Valve chamber @ Sta.A7+187	Valve chamber Crew#2	9	27-Aug-14	07-Sep-14	16
Testing, Base course , steet lighting and Side walk			39	28-Aug-14	18-Oct-14	0
NHT4100	Testing	Pipeline. Crew#2	3	28-Aug-14	01-Sep-14	0
NHT4110	20 cm thick for first base course layer	B.C. Crew#2	18	01-Sep-14	22-Sep-14	0
NHT4120	20 cm thick for second base course layer	B.C. Crew#2	18	04-Sep-14	25-Sep-14	0
NHT4130	Reinf.concrete foundation and PVC condut cable for street lighting	Street L. Crew#1	12	10-Sep-14	24-Sep-14	1
NHT4140	5cm asphalt binder course including prime coat	Asphalt Crew#1	4	25-Sep-14	30-Sep-14	0
NHT4150	Construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	9	30-Sep-14	15-Oct-14	0
NHT4160	Reinforced concrete side walks, ramps and stairs included15 cm base course under side walk	Side walk Crew#2	10	01-Oct-14	18-Oct-14	0
SEG.A From Sta.A5+800 to Sta. 6+630 LHS (Reconstruction Road at Residantial area)			48	14-Oct-14	13-Dec-14	36
Safety, Excavation, Pipe Culvert, storm system and basecourse			48	14-Oct-14	13-Dec-14	36
NHT4170	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	48	14-Oct-14	13-Dec-14	36
NHT4180	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	13	15-Oct-14	30-Oct-14	0
NHT4190	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	Pipe C. Crew#2	9	16-Oct-14	27-Oct-14	0
NHT4200	Construct 400 mm precast Concrete crossing pipe for storm sytem with catch basin from sta. A5+800 to A6+630	Pipe C. Crew#2	25	18-Oct-14	16-Nov-14	0



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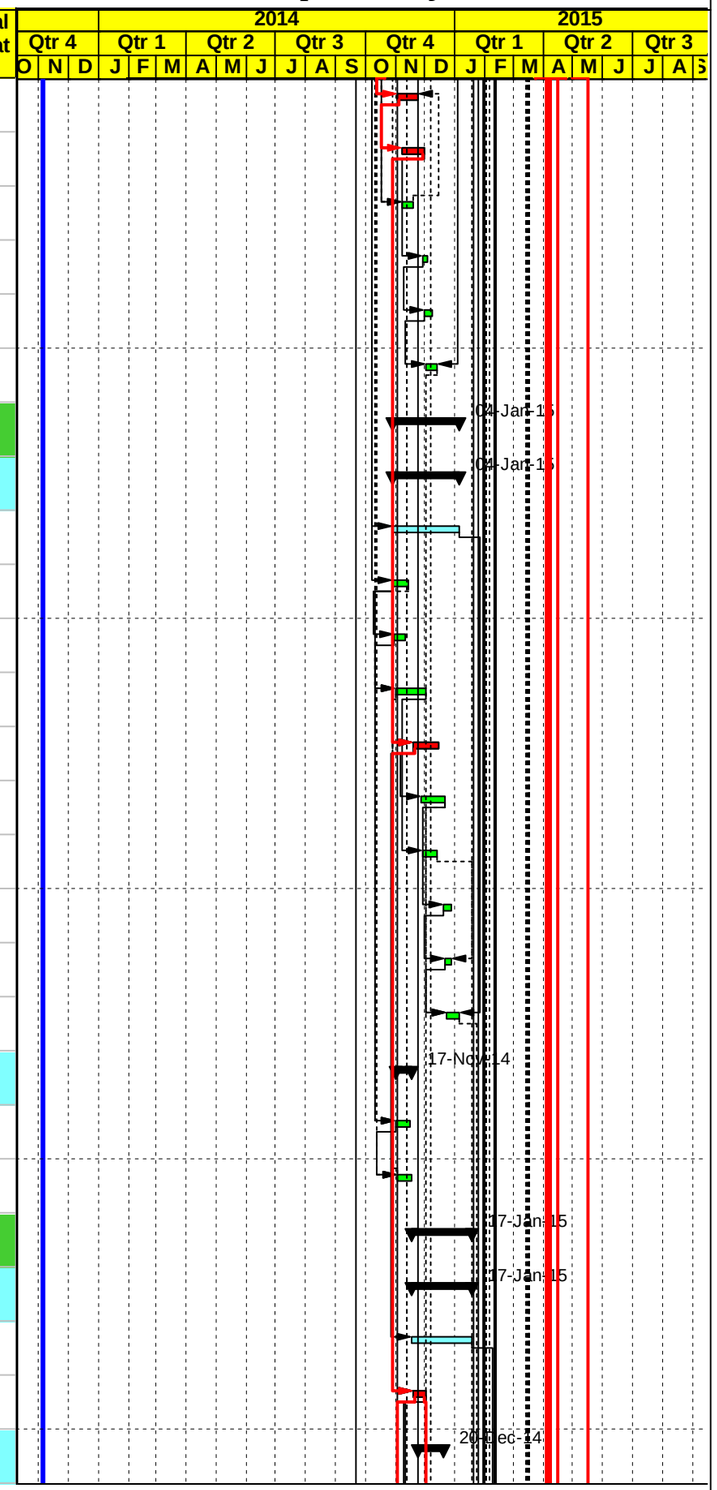
Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT4210	20 cm thick for first base course layer	B.C. Crew#2	18	02-Nov-14	24-Nov-14	0
NHT4220	20 cm thick for second base course layer	B.C. Crew#2	18	08-Nov-14	30-Nov-14	0
NHT4230	Construct outfall 600mm concrete pipe as storm sytem with manholes&headwall for hussan @ st.A6+570 (134 LM)	Pipe C. Crew#2	10	08-Nov-14	19-Nov-14	3
NHT4240	5cm asphalt binder course including prime coat	Asphalt Crew#2	4	29-Nov-14	03-Dec-14	36
NHT4250	Construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	6	30-Nov-14	08-Dec-14	36
NHT4260	Reinfoced concrete side walks, ramps and stairs includind 15 cm base course under side walk	Side walk Crew#2	8	01-Dec-14	13-Dec-14	36
SEG.A From Sta.A6+630 to Sta. 7+460 LHS (Reconstruction Road at Residantial area)			51	28-Oct-14	04-Jan-15	29
Safety, Excavation, Pipe Culvert, storm system, basecourse, Side walk and asphalt			51	28-Oct-14	04-Jan-15	29
NHT4270	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	51	28-Oct-14	04-Jan-15	29
NHT4280	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	13	29-Oct-14	13-Nov-14	1
NHT4290	Construct -LHS Dia.800 mm of precast pipe culvert @ Sta.A6+198 with inlet	Pipe C. Crew#2	9	30-Oct-14	10-Nov-14	1
NHT4300	Construct 400 mm precast Concrete crossing pipe for storm sytem with catch basin from sta. A6+630 to A7+460	Pipe C. Crew#2	25	01-Nov-14	01-Dec-14	1
NHT4310	20 cm thick for first base course layer	B.C. Crew#2	18	19-Nov-14	14-Dec-14	0
NHT4320	20 cm thick for second base course layer	B.C. Crew#2	18	26-Nov-14	21-Dec-14	6
NHT4330	Construct outfall 600mm concrete pipe as storm sytem with manholes&headwall for hussan @ A7+172 (150 LM)	Pipe C. Crew#2	10	29-Nov-14	13-Dec-14	39
NHT4340	5cm asphalt binder course including prime coat	Asphalt Crew#2	4	20-Dec-14	27-Dec-14	29
NHT4350	Construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	4	21-Dec-14	28-Dec-14	29
NHT4360	Reinfoced concrete side walks, ramps and stairs includind 15 cm base course under side walk	Side walk Crew#2	8	22-Dec-14	04-Jan-15	29
Chamber work			14	01-Nov-14	17-Nov-14	8
NHT4370	Construct -Hussan Connection chamber @ Sta.A7+390	Valve chamber Crew#2	12	01-Nov-14	15-Nov-14	8
NHT4380	Construct -Battir Connection chamber @ Sta.A7+410	Valve chamber Crew#2	13	02-Nov-14	17-Nov-14	8
SEG.A Road From Sta. 7+460 to Sta. A8+203			43	17-Nov-14	17-Jan-15	59
Safety and Excavation			43	17-Nov-14	17-Jan-15	59
NHT4390	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	43	17-Nov-14	17-Jan-15	59
NHT4400	Excavation for reconstruction road including subgrade and backfilling if required	Exca. Crew#2	10	19-Nov-14	02-Dec-14	0
Pipe Installation			20	23-Nov-14	20-Dec-14	0



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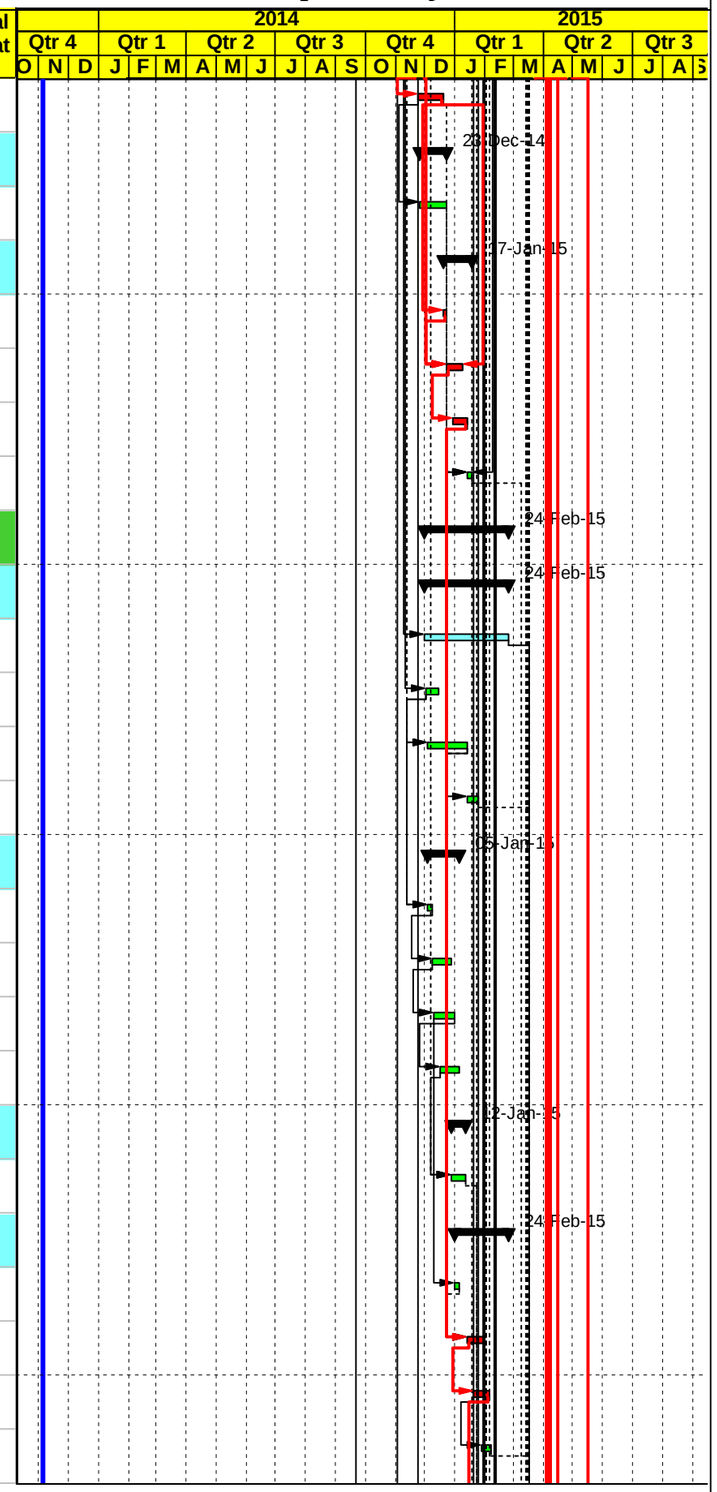
Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT4410	Trench Excavation, bedding, install & backfill for 50mm pipes (7+400 to 8+100)	Pipeline. Crew#2	20	23-Nov-14	20-Dec-14	0
Chamber Work			21	25-Nov-14	23-Dec-14	73
NHT4420	Gate Valves	Pipeline. Crews	21	25-Nov-14	23-Dec-14	73
Testing, Base course and Asphalt			19	20-Dec-14	17-Jan-15	59
NHT4430	Testing	Pipeline. Crew#2	2	20-Dec-14	22-Dec-14	0
NHT4440	20 cm thick for first base course layer	B.C. Crew#2	11	22-Dec-14	08-Jan-15	0
NHT4450	20 cm thick for second base course layer	B.C. Crew#2	11	29-Dec-14	13-Jan-15	0
NHT4460	5cm asphalt binder course including prime coat	Asphalt Crew#1	2	13-Jan-15	17-Jan-15	59
SEG.B From Sta. B0+000 to Sta. B0+985 RHS (Reconstruction Road at Residantial area)			63	30-Nov-14	24-Feb-15	0
Safety, Excavation and Storm system			63	30-Nov-14	24-Feb-15	0
NHT4470	Implement traffic control and safety plan ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	63	30-Nov-14	24-Feb-15	0
NHT4480	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	10	01-Dec-14	15-Dec-14	6
NHT4490	Construct 600 &400 mm precast concrete pipe for storm sytem with manholes & catch basin from sta. B0+000 to sta. B0+985	Pipe C. Crew#2	28	03-Dec-14	13-Jan-15	9
NHT4500	Construct outfall 600mm concrete pipe as storm sytem with manholes&headwall for hussan @ st.B0+537&B0+714(115 & 50 LM)	Pipe C. Crew#2	8	13-Jan-15	25-Jan-15	24
Pipe Installation			22	03-Dec-14	05-Jan-15	23
NHT4510	Trench excavation for 100 mm main pipeline from B0+010 to sta.B0+100 with length approx. (90 LM)	Pipeline. Crew#2	3	03-Dec-14	08-Dec-14	6
NHT4520	Trench excavation for 100mm main pipeline with 100 mm dist. Pipe from B0+100 to sta. B0+985 with length. (885 LM)	Pipeline. Crew#2	13	08-Dec-14	28-Dec-14	6
NHT4530	Bedding (crushed stone) and install the above main and distrubution Steel pipes with welding inspection (975 LM)	Pipeline. Crew#2	14	10-Dec-14	31-Dec-14	6
NHT4540	Backfill the pipe trensh with (single size aggregate) to the required level	Pipeline. Crew#2	13	16-Dec-14	05-Jan-15	23
Chamber work			12	27-Dec-14	12-Jan-15	23
NHT4550	Construct -Wadi Fukin Connection chamber @ Sta.B0+957	Valve chamber Crew#2	12	27-Dec-14	12-Jan-15	23
Testing, Base course , steet lighting and Side walk			41	31-Dec-14	24-Feb-15	0
NHT4560	Testing	Pipeline. Crew#2	3	31-Dec-14	05-Jan-15	6
NHT4570	20 cm thick for first base course layer	B.C. Crew#2	12	13-Jan-15	31-Jan-15	0
NHT4580	20 cm thick for second base course layer	B.C. Crew#2	12	19-Jan-15	04-Feb-15	0
NHT4590	Reinf.concrete foundation and PVC condut cable for street lighting	Street L. Crew#1	7	27-Jan-15	07-Feb-15	15



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

Date	Revision	Checked	Approved
16-Jan-14			

APCO ArCon CONSTRUCTION AND SERVICES

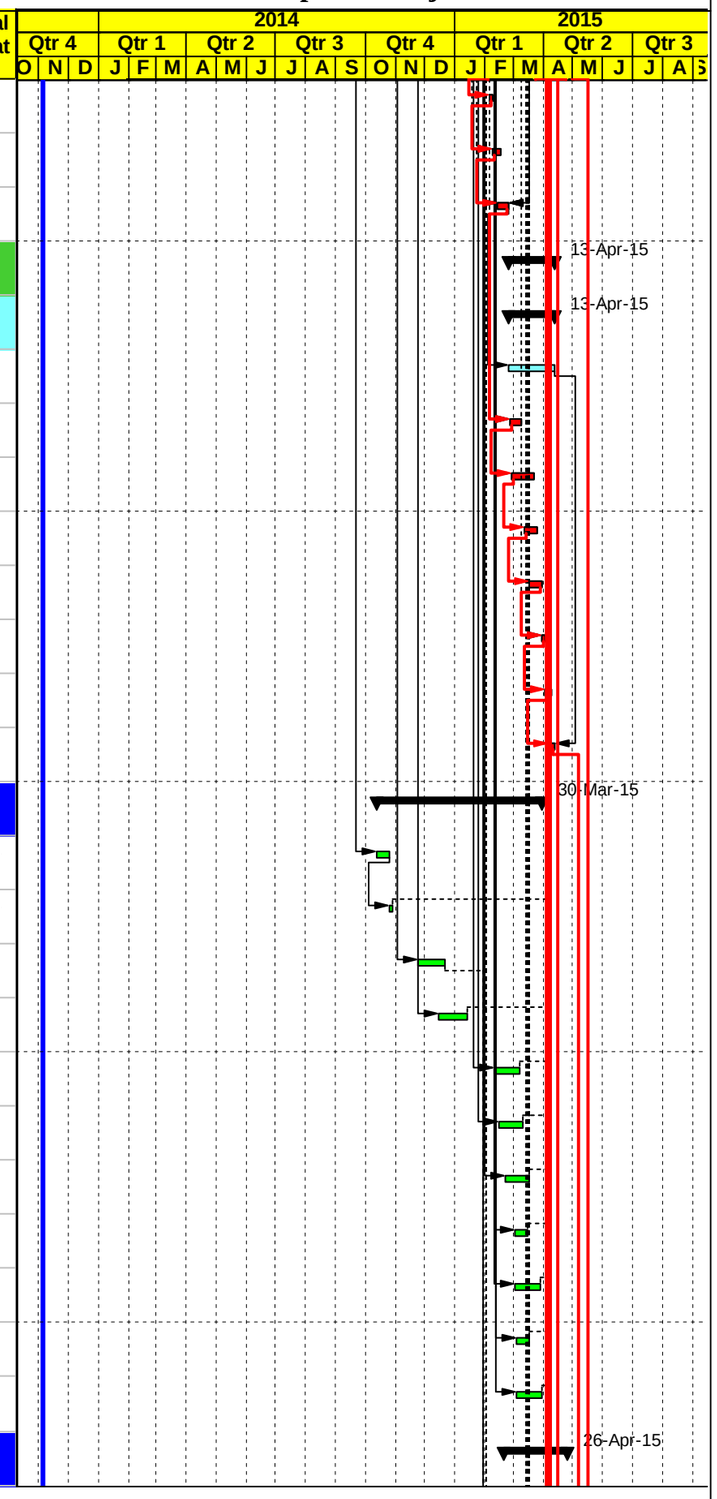
Construction Program

(Baseline)

TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT4600	5cm asphalt binder course including prime coat	Asphalt Crew#1	2	04-Feb-15	08-Feb-15	0
NHT4610	Construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	7	08-Feb-15	16-Feb-15	0
NHT4620	Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk	Side walk Crew#2	10	12-Feb-15	24-Feb-15	0
SEG.B From Sta. B0+000 to Sta. B0+985 LHS (Reconstruction Road at Residantial area)			40	24-Feb-15	13-Apr-15	0
Testing, Base course ,Side walk and Asphalt			40	24-Feb-15	13-Apr-15	0
NHT4630	Implement traffic control and safety pla+D160:E188n ,corrdination for relocation utilities and otheres	Traffic & S.Crew#2	40	24-Feb-15	13-Apr-15	0
NHT4640	Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work	Exca. Crew#2	9	25-Feb-15	09-Mar-15	0
NHT4650	Construct 400 mm precast Concrete crossing pipe for storm sytem with catch basin from sta. B0+000 to B0+985 (985 LM)	Pipe C. Crew#2	18	28-Feb-15	22-Mar-15	0
NHT4660	20 cm thick for first base course layer	B.C. Crew#2	12	12-Mar-15	26-Mar-15	0
NHT4670	20 cm thick for second base course layer	B.C. Crew#2	12	17-Mar-15	31-Mar-15	0
NHT4680	5cm asphalt binder course including prime coat	Asphalt Crew#1	2	31-Mar-15	02-Apr-15	0
NHT4690	construct curbstone after Saw cut the edge of asphalt binder course	Side walk Crew#2	6	02-Apr-15	09-Apr-15	0
NHT4700	Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk	Side walk Crew#2	7	05-Apr-15	13-Apr-15	0
Miscellaneous Works (Quantities not determine in design Drawing.).			131	13-Oct-14	30-Mar-15	23
NHT4710	B.C 20 cm Detours		10	13-Oct-14	25-Oct-14	141
NHT4720	Wearing 5 cm Detour		3	25-Oct-14	28-Oct-14	141
NHT4740	Trench Excavation, bedding, install & backfill for 200 and 150 mm pipes		21	23-Nov-14	21-Dec-14	78
NHT4730	Topping		21	14-Dec-14	13-Jan-15	83
NHT4750	Road Crossing pipe 400 mm		21	09-Feb-15	07-Mar-15	43
NHT4760	60 cm R.C. pipe		21	14-Feb-15	11-Mar-15	39
NHT4770	Manholes size 2.0x2.0m		21	21-Feb-15	18-Mar-15	33
NHT4790	curbstone edg beam		10	02-Mar-15	15-Mar-15	36
NHT4800	Concrete Class B300		21	03-Mar-15	29-Mar-15	24
NHT4805	curbstone Median		10	04-Mar-15	17-Mar-15	34
NHT4810	Stone Wall		21	04-Mar-15	30-Mar-15	23
Final Mechnical connection ,Asphalt and Road Firnishing work for SEG. A , B, C & E			55	19-Feb-15	26-Apr-15	0



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

Date	Revision	Checked	Approved
16-Jan-14			

APCO/ArCon CONSTRUCTION AND SERVICES

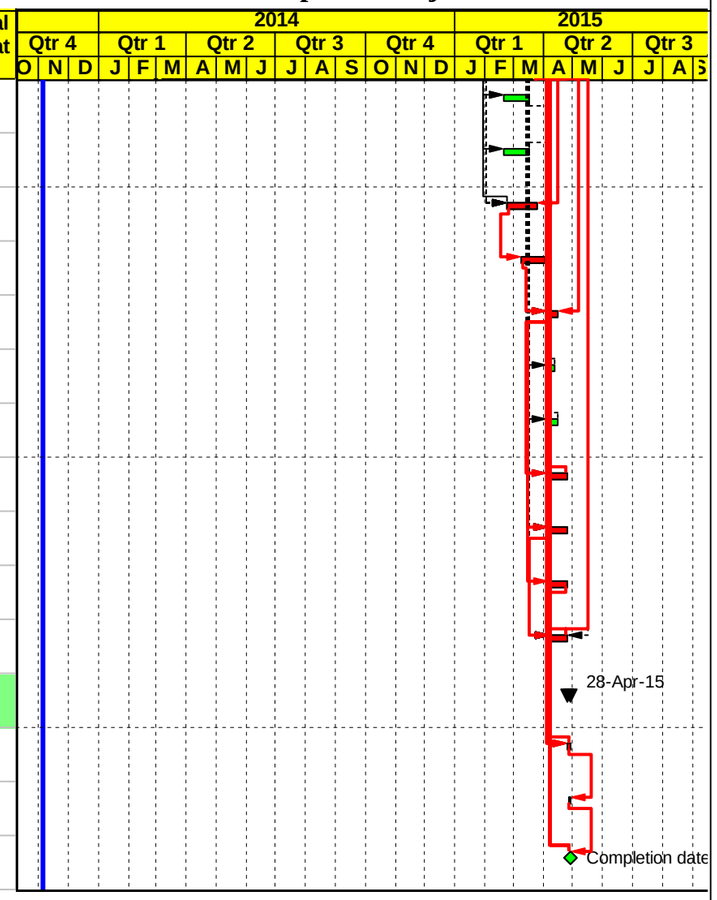
Construction Program

(Baseline)

TO# 15

Nahaleen Main Pipeline Project

Activity ID	Activity Name	Crew Name	Original Duration	Start	Finish	Total Float
NHT4820	Asphalt Reinstatemnt	Asphalt Crew#1	21	19-Feb-15	17-Mar-15	34
NHT4830	House connections	Pipeline. Crews	21	19-Feb-15	17-Mar-15	34
NHT4840	Mech. Work including istall valves fittings, and flushing pipes	Pipeline. Crews	27	22-Feb-15	26-Mar-15	0
NHT4850	Final Disinfection and Pressure Testing For main and dist.Pipeline	Pipeline. Crews	21	09-Mar-15	02-Apr-15	0
NHT4860	5 and 7 cm Asphalt wearing ourse including prime and tack coats	Asphalt Crew#1	10	04-Apr-15	15-Apr-15	0
NHT4870	Milling	Asphalt Crew#1	7	04-Apr-15	12-Apr-15	12
NHT4880	Hot asphalt	Asphalt Crew#1	10	04-Apr-15	15-Apr-15	9
NHT4890	Street Lighting	Street Lighting Crew#1	19	04-Apr-15	26-Apr-15	0
NHT4900	Costruct concrete ditch	Conc.D. Crew#1	18	05-Apr-15	26-Apr-15	0
NHT4910	Grouted rip rap protection	Conc.D. Crew#1	18	05-Apr-15	26-Apr-15	0
NHT4920	Guard rail,traffic signs , install lighting fixtures and Road furnishing	Road furnishing Crew	16	07-Apr-15	26-Apr-15	0
Post Construction Phase			3	26-Apr-15	28-Apr-15	0
NHT4930	Walk Through & Punch List		3	26-Apr-15	28-Apr-15	0
NHT4940	Start Demoblization and Start Submitting Close Out document		1	27-Apr-15	28-Apr-15	0
NHT4950	Completion date		0		28-Apr-15	0



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

Date	Revision	Checked	Approved
16-Jan-14			

C | Progress S-Curve Versus Actual (Not approved by USAID yet)

Construction Progress S-Curve

Total Contract Value $ 12,214,886

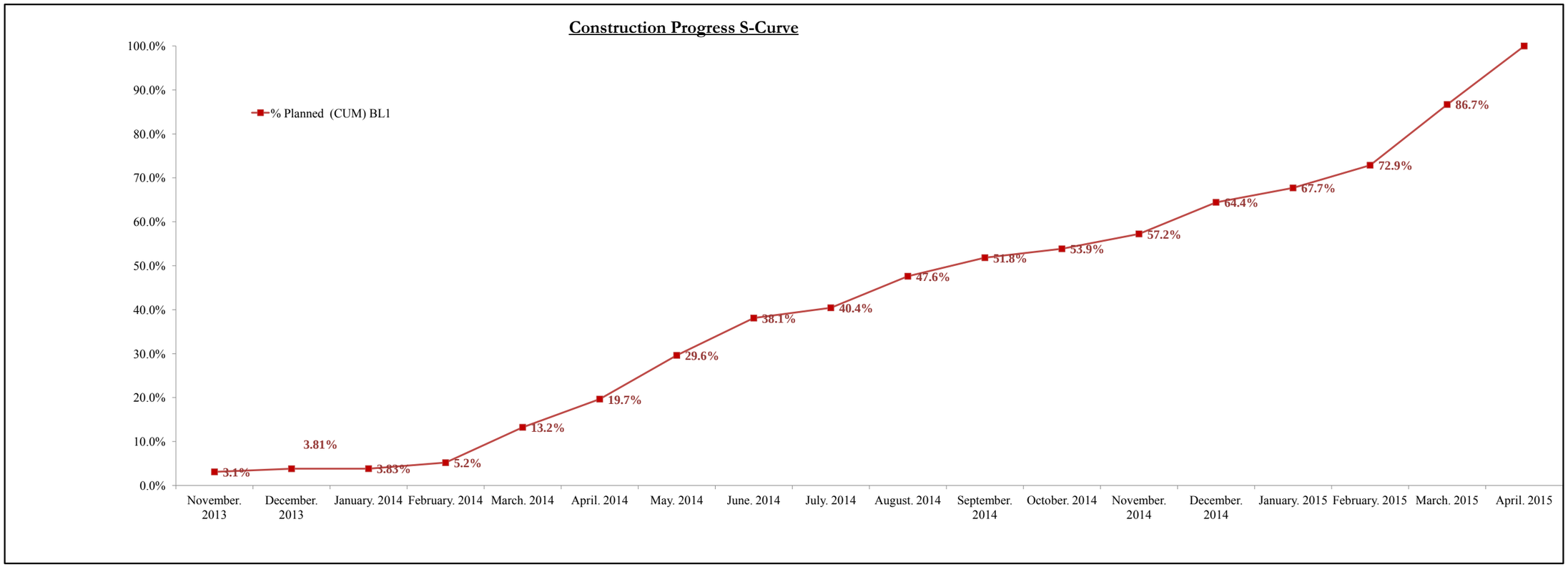
Total Contract Value (Day Work Not Included): $ 11,614,886

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	$ 2,281	$ 158,328	$ 934,119	$ 746,084	$ 1,156,163	$ 985,158	$ 271,928	$ 833,486	$ 490,508	$ 234,814	$ 393,499	$ 834,853	$ 380,626	$ 599,767	$ 1,605,379	$ 1,545,421	$11,614,886
Planned Value (CUM)	$ 360,336	$ 442,472	$ 444,753	$ 603,080	$ 1,537,199	$ 2,283,283	$ 3,439,446	$ 4,424,604	$ 4,696,532	$ 5,530,018	$ 6,020,526	$ 6,255,340	$ 6,648,839	$ 7,483,692	$ 7,864,319	$ 8,464,085	$ 10,069,465	$ 11,614,886	
% Planned	3.1%	0.7%	0.02%	1.4%	8.0%	6.4%	10.0%	8.5%	2.3%	7.2%	4.2%	2.0%	3.4%	7.2%	3.3%	5.2%	13.8%	13.3%	**100%**
% Planned (CUM) BL1	3.1%	3.81%	3.83%	5.2%	13.2%	19.7%	29.6%	38.1%	40.4%	47.6%	51.8%	53.9%	57.2%	64.4%	67.7%	72.9%	86.7%	100.0%	



D | Site Memos Log

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

SUBMITTAL				TRACKING DATES			
Spec. No.	Submittal No	Subject	Project	Submitted on (M/D/Y)	Returned on (M/D/Y)	Review Days	Remarks
	SM-13-00015-NHT-E-C-001	Walkthrough of Nahaleen Pipeline Project	NHT	01/02/14	01/02/14	0	Site Instruction
	SM-13-00015-NHT-E-C-002	Response to SM-13-00015-NHT-C-E-001	NHT	01/07/14	01/08/14	1	Other

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

SUBMITTAL				TRACKING DATES			
Spec. No.	Submittal No	Subject	Project	Submitted on (M/D/Y)	Returned on (M/D/Y)	Review Days	Remarks
	SM-13-00015-NHT-C-E-001	Walkthrough of Nahaleen Pipeline Project	NHT	01/05/13	01/05/13	0	Other

E | Inspection Requests Log

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

SUBMITTAL			TRACKING DATES			Approval Status
Spec. No.	Submittal No	Description	Submitted on (M/D/Y)	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 St.A0+00 to St. A1+400 and from St. A3+320 to St. A5+800	01/20/14	01/21/14	1	A
	IR-13-00015-NHT-002-A	Control points and natural ground level rom St.A1+400 to St.A3+320 and from St.A3+320 to St.A5+801	01/21/14	01/21/14	0	A
	IR-13-00015-NHT-003-A	Center line location and elevation also Bench mark locations and elevation	01/23/14	01/27/14	4	C
	IR-13-00015-NHT-003-B	Center line location and elevation also Bench mark locations and elevation	01/28/14	01/28/14	0	A

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

F | Submittals Log for the Reporting Period

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
TASK ORDER #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-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	12/25/13	01/24/14	01/09/14	15	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			
	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

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
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-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			
	SUB-13-00015-NHT-026-A	Temporary and Permanent Signs Submittal	NHT	P	12/03/13	01/02/14	12/09/13	6	B
	SUB-13-00015-NHT-027-A	Concrete Mix Design-Al Abed Mixing Plant-Item 4.07.a,b,c	NHT	M	12/08/13	01/07/14	12/22/13	14	B
	SUB-13-00015-NHT-028-A	Source Comprehensive test for base course material-Al Taweel crusher- item 2.02.a,b,c	NHT	M	12/08/13	01/07/14	12/22/13	14	B
	SUB-13-00015-NHT-029-A	Subcontracting Plan	NHT	P	12/22/13	01/21/14	12/30/13	8	E
	SUB-13-00015-NHT-030-A	Dilapidation Survey	NHT	P	12/22/13	01/21/14	01/07/14	16	B
	SUB-13-00015-NHT-031-A	Risk Management Program	NHT	P	12/22/13	01/21/14	01/05/14	14	B
	SUB-13-00015-NHT-032-A	Branding Plan	NHT	P	12/25/13	01/24/14	01/07/14	13	E
	SUB-13-00015-NHT-033-A	Quality Control Program (QCP)	NHT	P	12/25/13	01/24/14	01/14/14	20	B
	SUB-13-00015-NHT-034-A	Gate Valve - Raphael Valves Industries- BOQ items 5.1.1, 5.1.2, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 5.7.1, 5.7.2, 5.7.3, 5.7.4, 5.9.1, 5.9.2, 5.9.3, 5.9.4, 5.10.1, 5.10.2, 5.11.1	NHT	M	12/25/13	01/24/14	01/06/14	12	C
	SUB-13-00015-NHT-034-B	Gate Valves- Raphael Valves Industries- TMS-BOQ items 5.1.1, 5.1.2, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 5.7.1, 5.7.2, 5.7.3, 5.7.4, 5.9.1, 5.9.2, 5.9.3, 5.10.1	NHT	M	01/20/14	02/19/14	01/26/14	6	B
	SUB-13-00015-NHT-035-A	Butterfly Valve - Vanessa Company- BOQ items 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.4.2	NHT	M	12/25/13	01/24/14	12/31/13	6	C
	SUB-13-00015-NHT-035-B	Butterfly Valve - Vanessa Company-PN 25 & 40- BOQ items 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.4.2	NHT	M	01/21/14	02/20/14	01/26/14	5	B
	SUB-13-00015-NHT-036-A	Key Personnel Plan	NHT	P	12/25/13	01/24/14	12/30/13	5	E
	SUB-13-00015-NHT-037-A	Curbstone Marking Paint - Tambour - BOQ item No. 4.12	NHT	M	12/25/13	01/24/14	01/06/14	12	B
	SUB-13-00015-NHT-038-A	Dismantling Joint -UNIJOINT-PM16-25-40	NHT	M	12/29/13	01/28/14	01/05/14	7	B
	SUB-13-00015-NHT-039-A	Combination Air Valves- Non slam PN 25 & 40. BOQ 5.3.1,5.3.2, 5.3.3,&5.3.4	NHT	M	12/29/13	01/28/14	01/06/14	8	C
	SUB-13-00015-NHT-039-B	Combination Air Valves- Non slam PN 25 & 40. BOQ 5.3.1,5.3.2, 5.3.3,&5.3.4	NHT	M	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00015-NHT-040-A	Combination Air Release Valves PN 16&25. BOQ 5.7.2, 5.7.3, & 5.7.4	NHT	M	12/29/13	01/28/14	01/06/14	8	C
	SUB-13-00015-NHT-040-B	Combination Air Release Valves PN 16&25. BOQ 5.7.2, 5.7.3, & 5.7.4	NHT	M	01/20/14	02/19/14	01/23/14	3	B
	SUB-13-00015-NHT-041-A	Combination Air Release Valves D-015_ PN 40. BOQ 5.7.1	NHT	M	12/29/13	01/28/14	01/06/14	8	B
	SUB-13-00015-NHT-042-A	Environmental Mitigation Plan	NHT	P	12/29/13	01/28/14	01/07/14	9	B
	SUB-13-00015-NHT-043-A	Security System	NHT	P	12/29/13	01/28/14	01/05/14	7	C
	SUB-13-00015-NHT-043-B	Security System	NHT	P	01/21/14	02/20/14	01/21/14	0	B
	SUB-13-00015-NHT-044-A	Method Statement	NHT	P	12/29/13	01/28/14	01/06/14	8	C
	SUB-13-00015-NHT-044-B	Method Statement	NHT	P	01/20/14	02/19/14	01/23/14	3	B

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
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-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	02/03/14	03/05/14			
	SUB-13-00015-NHT-056-A	Gate Valve 50mm 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	P	01/20/14	02/19/14			
	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	02/04/14	03/06/14			
	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-061-A	Shop Drawings: Road Works :Retaining Wall from Sta.0+129 to Sta.0+200 RHS-Segment A	NHT	P	01/23/14	02/22/14			
	SUB-13-00015-NHT-062-A	Traffic Control Plan	NHT	P	01/23/14	02/22/14			
	SUB-13-00015-NHT-063-A	Third party testing lab -Arc-Eyes	NHT	P	01/27/14	02/26/14	01/30/14	3	B
	SUB-13-00015-NHT-064-A	Strainer-Bermad_PN 40-item No. 5.6.4	NHT	M	01/27/14	02/26/14	01/29/14	2	B
	SUB-13-00015-NHT-065-A	Strainer-Bermad_PN 16&25- item No. 5.6.2,3 and 5.7.2,3,4	NHT	M	01/27/14	02/26/14	01/29/14	2	B
	SUB-13-00015-NHT-066-A	Public Relation Plan	NHT	P	01/27/14	02/26/14			
	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			
	SUB-13-00015-NHT-068-A	Shop Drawings: Formwork System for Retaining Work	NHT	S	01/29/14	02/28/14			
	SUB-13-00015-NHT-069-A	Identification Tape for Water pipeline	NHT	M	01/29/14	02/28/14	02/04/14	6	B

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00005
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-070-A	Flanged Coupling Adaptor- UniJoint-item No. 5.2.1,2,3	NHT	M	02/02/14	03/04/14			
	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			
	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			
	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			
	SUB-13-00015-NHT-074-A	Elecometer 266 Holiday detector	NHT	M	02/03/14	03/05/14			

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

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

SUBMITTAL				TRACKING DATES				Reviewed By
Spec. No.	Submittal No	Description	DV	Submitted on (M/D/Y)	Returne 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	12/18/13	12/22/13	18	Nimr Rjoub
	RFI-13-00015-NHT-002	Design Hydraulic Characteristics for pressure reducing valves	NHT	12/19/13	01/02/14	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	01/06/14	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	01/14/14	01/28/14			

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

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

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

TASK ORDER NO. AID-294-TO-13-00015

Nahaleen Main Pipeline Project (NHT)

Temproray Job Days Summary Report

Task Order Name: Nahaleen Main Pipeline Project — **PERIOD FROM:** November 06, 2013

CONTRACTOR: APCO/ArCon — **PERIOD TO:** January 31, 2014

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
October	2012						0	0	
November	2012						0	0	
December	2012						0	0	
January	2013						0	0	
February	2013						0	0	
March	2013						0	0	
April	2013						0	0	
May	2013						0	0	
June	2013						0	0	
July	2013						0	0	
August	2013						0	0	
September	2013						0	0	
Total of FY 2013							0	0	
October	2013						0	0	
November	2013	13	0	26	0	0	39	2	
December	2013	23	11	17	0	0	51	2	
January	2014	42	37	24	5	0	107	5	
February	2014						0	0	
March	2014						0	0	
April	2014						0	0	
May	2014						0	0	
June	2014						0	0	
July	2014						0	0	
August	2014						0	0	
September	2014						0	0	
Total of FY 2014							197	8	
October	2014						0	0	
November	2014						0	0	
December	2014						0	0	
January	2015						0	0	
February	2015						0	0	
March	2015						0	0	
April	2015						0	0	
May	2015						0	0	
June	2015						0	0	
July	2015						0	0	
August	2015						0	0	
September	2015						0	0	
Total of FY 2015							0	0	

Note :

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

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

Daily Work Force /January 2014
Project Name **Nahaleen Main Pipeline Project**
Contract No. AID-294-I-00-12-00005

Daily Work Force /January 2014

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

Date	Name of Contractor /Subcontractor	Worker/Classification (Hour)																						Man-days			
		Management									Engineers			Skilled							Unskilled						
		IQC Manager	Task Order Manager	Quality Control Manager	Assistant QCM	Public Relation Officer	Technical Engineer	Quantitiy Surveyor	Safety & Environmental Compliance Officer	Assistant Safety Officer	Project Manager / Engineer	Office Engineer	Site Engineer	Foreman	Surveyor	Surveyor Assistance	Equipment Operator	Skilled Labor	Carpenter	Drivers	Unskilled Labor	Flagmen	Watch Man	Office Boy	Total Management	Total Engineers	Total Skilled	Total Unskilled
January 17, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																											
January 18, 2014	APCO/ArCon		8	8							8				8	8									2	1	2	0
	Subcontractor																											
January 19, 2014	APCO/ArCon		8	8							8	8			8	8									2	2	2	0
	Subcontractor																											
January 20, 2014	APCO/ArCon		8	8							8	8													2	2	0	0
	Subcontractor																											
January 21, 2014	APCO/ArCon		8	8							8	8			8	8									2	2	2	0
	Subcontractor																											
January 22, 2014	APCO/ArCon		8	8							8	8													2	2	0	0
	Subcontractor																											
January 23, 2014	APCO/ArCon		8	8							8	8													2	2	0	0
	Subcontractor																											
January 24, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																											
January 25, 2014	APCO/ArCon			8					8		8	8			4		8	8			8				2	2	3	1
	Subcontractor																											
January 26, 2014	APCO/ArCon			8					8		8	8			8			8			8				2	2	2	1
	Subcontractor																											
January 27, 2014	APCO/ArCon			8					8		8	8						8			8				2	2	1	1
	Subcontractor																											
January 28, 2014	APCO/ArCon		8	8					8		8	8			3			8			8				3	2	1	1
	Subcontractor																											
January 29, 2014	APCO/ArCon		8	8				8			8	8													3	2	0	0
	Subcontractor																											
January 30, 2014	APCO/ArCon		8	8					8		8	8													3	2	0	0
	Subcontractor																											
January 31, 2014	APCO/ArCon																								0	0	0	0
	Subcontractor																											
Total																									**42**	**37**	**24**	**5**

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: January 01, 2014
PERIOD TO: January 31, 2014

DATE	Nahaleen Main Pipeline Project					SubTotal						
	Management	Engineers	Skilled labor	Unskilled labor	Other							
January 1, 2014	1	1	1	1		4						
January 2, 2014	1	1	0	0		2						
January 3, 2014	0	0	0	0		0						
January 4, 2014	1	1	0	0		2						
January 5, 2014	1	1	0	0		2						
January 6, 2014	1	1	2	0		4						
January 7, 2014	1	1	2	0		4						
January 8, 2014	1	1	0	0		2						
January 9, 2014	2	1	0	0		3						
January 10, 2014	0	0	0	0		0						
January 11, 2014	1	1	0	0		2						
January 12, 2014	1	1	1	0		3						
January 13, 2014	1	1	1	0		3						
January 14, 2014	1	1	0	0		2						
January 15, 2014	1	1	2	0		4						
January 16, 2014	1	1	2	0		4						
January 17, 2014	0	0	0	0		0						
January 18, 2014	2	1	2	0		5						
January 19, 2014	2	2	2	0		6						
January 20, 2014	2	2	0	0		4						
January 21, 2014	2	2	2	0		6						
January 22, 2014	2	2	0	0		4						
January 23, 2014	2	2	0	0		4						
January 24, 2014	0	0	0	0		0						
January 25, 2014	2	2	3	1		8						
January 26, 2014	2	2	2	1		7						
January 27, 2014	2	2	1	1		6						
January 28, 2014	3	2	1	1		7						
January 29, 2014	3	2	0	0		5						
January 30, 2014	3	2	0	0		5						
January 31, 2014	0	0	0	0		0						
Sub Total of January	42	37	24	5	0	**107**						

Jan-14	Total Job Days	No of Full Time Equivalent (FTE) Jobs
	107	5

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	Agreement on Pipeline alignment and changes in road alignment.	Field requirement	M	APCO/ CMC	Jan. 06 Joint walkthrough	3	2	6	Not determined yet	Delay in shop drawing preparation	Mitigate	Intensive coordination with CMC/ PWA and local councils	CMC	In progress	
2	Construction								0							
3	Owner								0							
4	USAID								0							
5	Contractor								0							
6	External	Traffic Control Plan (Area C)	Israeli Authorities (DCL) delay in approved proposed traffic control plan in Area C.	M	Contractor	Jan. 22	3	2	6	Not determined yet	Delay in start of construction and revisions to work plan	Mitigate	Intensive coordination with DCL and Prepare alternate traffic plan.	External	Pending	
7	Procurement								0							
8	Skills								0							
9	Complexity								0							
10	Resources								0							
11	Communications								0							
									0							