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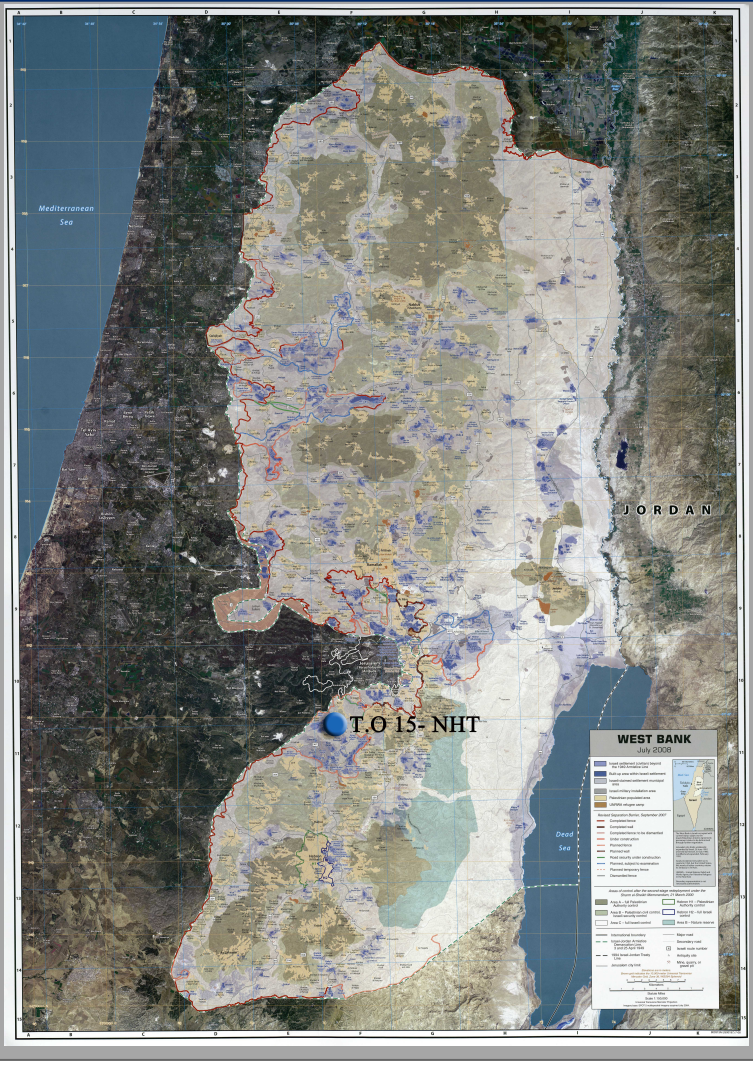
# MONTHLY PROGRESS REPORT

## TASK ORDER NO. 13-00015

Nahaleen Main Pipeline Project (NHT)

**APCO/ArCon**

**April, 2015**



# MONTHLY TASK ORDER PROGRESS REPORT

## INFRASTRUCTURE NEEDS PROGRAM

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

## From Apr. 01, 2015 to Apr. 30, 2015

**DISCLAIMER**

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| | |
|---|---|
| **USAID Contract No.:** | 294-I-00-12-00005 |
| **TO No.:** | 13-00015 |
| **Contractor:** | APCO/ArCon Construction and Services |
| **T.O Key Personnel:** | Eng. Naim Fannoon T.O.M<br>Eng. Monther Ibhais- Q.C.M up to Jan. 31<br>Eng. Fahed Shaheen- Q.C.M starting Feb.10,15<br>Eng. Basel Abu Ghayadah- S.E.O<br>Eng. Motasem Abu Rayyan- P.E<br>CWI. Aron Luke Gumpana through March 10, 2015<br>CWI. Vijay Kumar Alapati starting March 10, 2015 |

Monthly Progress Report number 18

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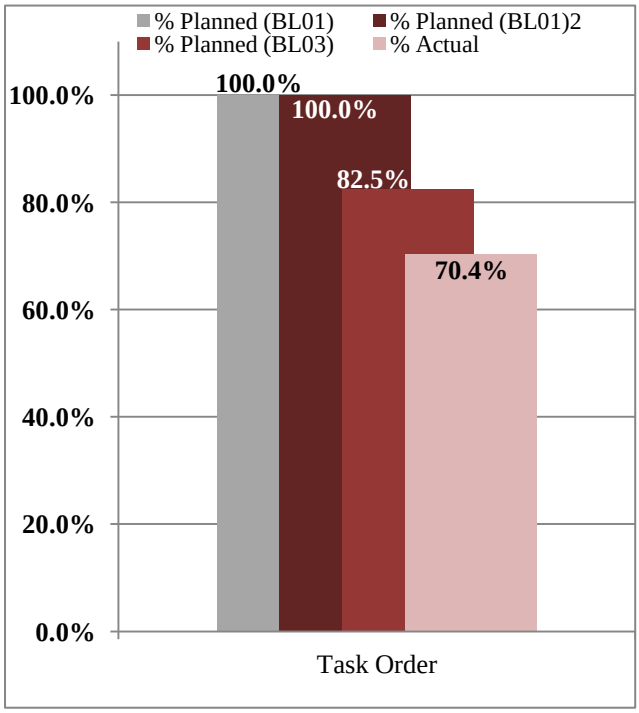
**TASK ORDER OVERVIEW:**

| | |
|---|---|
| Task Order Project Name | Nahaleen Main Pipeline Project (NHT) |
| Project Description | This project consists of:<br>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.<br>2. Installing approx. 7.24 km of local network connections for Nahaleen, Husan, and Battir.<br>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, & guardrail). |
| 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 | $11,891,556.77 (per VO#01) |
| Modified Day Work | $323,328.23 (per VO#01) |
| Start of Construction | February 26, 2014 |
| Contractual period of Performance | 540 Calendar Days |
| Contractual End Date | April 29, 2015 |
| Modified period of Performance | 570 Calendar Days |
| Modified End Date | May 28, 2015 |
| Estimated Completion Date | May 28, 2015 |
| Planned Percentage of Completion | 100% (BL01) |
| Planned Percentage of Completion | 100% (BL02) |
| Planned Percentage of Completion | 82.49% (BL03) |
| Actual Percentage of Completion | 70.4% |
| Total Float | -33 days |



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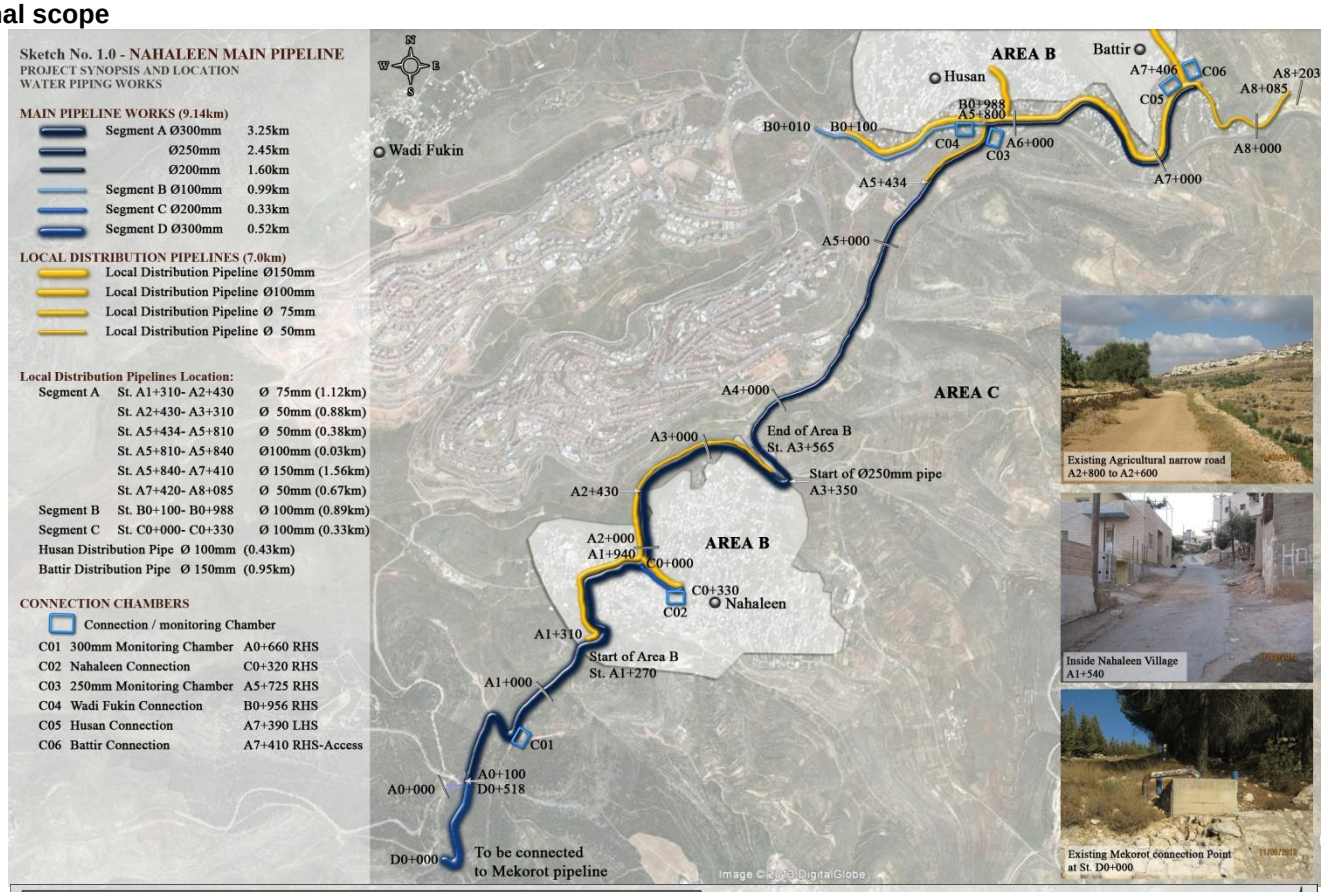
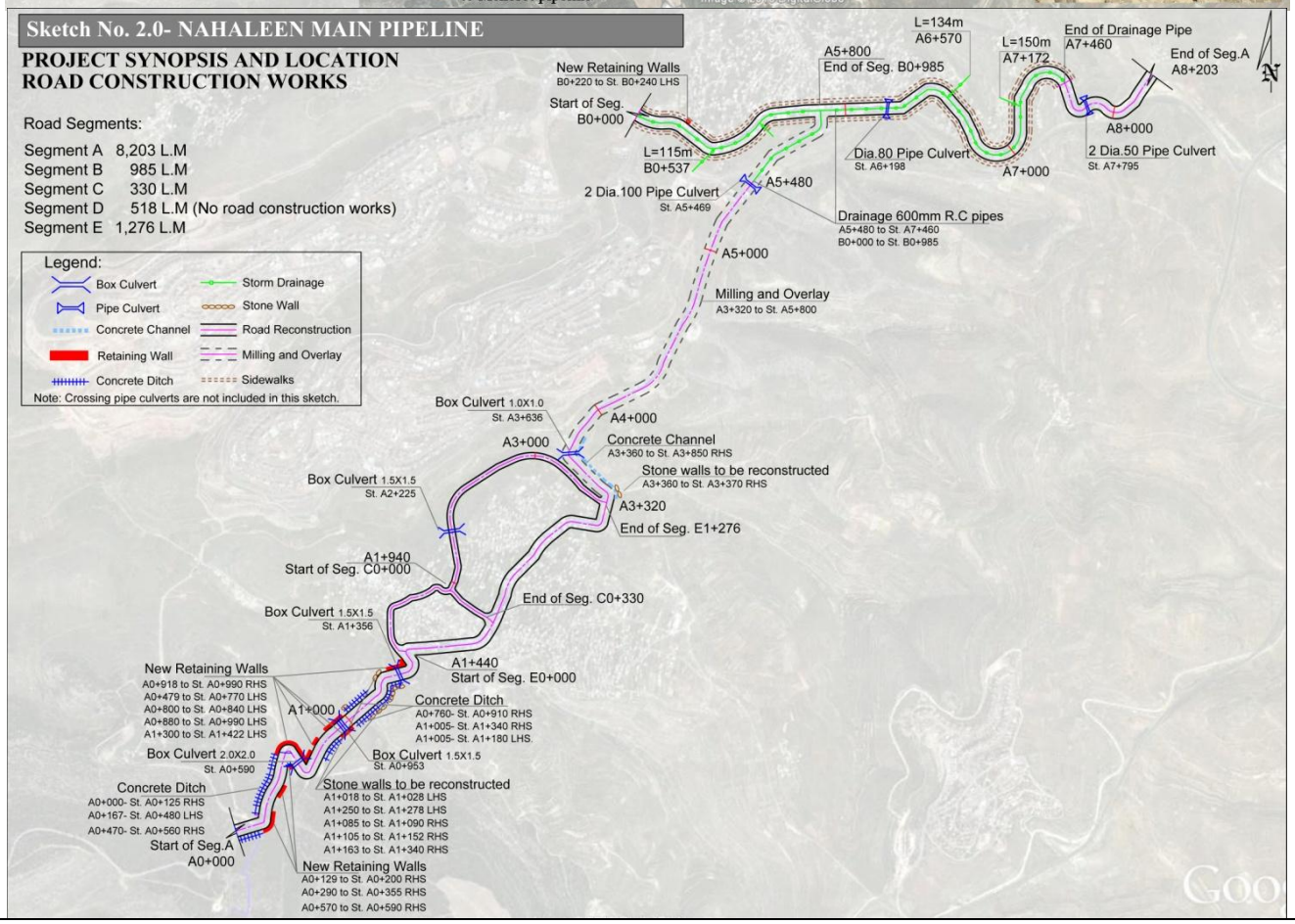
## Original scope



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**SAFETY:**

During this reporting period, zero accidents were reported, and No Notices of Unsafe Condition (NUC) were issued.

**ENVIRONMENTAL COMPLIANCE:**

Environmental mitigation plan detailed methods that respond to special conditions and construction activities that may impact on projects surroundings was prepared and submitted to CMC. Approval on this plan was received on Jan. 07, 2014. Environmental mitigation plan measures were implemented during this reporting period. One ECL was received on Apr. 27, 2015 for the month of April highlighting the following site-specific concerns: 1) More efforts / coordination to protect existing utilities and 2) Dust control measures are required more frequently. Environmental checklists were closed up to August 2014 and APCO will follow-up CMC concerns and will work to close remaining pending ECLs.

**TRAFFIC CONTROL MEASURES:**

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

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

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

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

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

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

Traffic plan for segment B from sta. B0+000 to sta. B0+980 was submitted to DCL proposing the use of existing roads as detours, this proposal was rejected by DCL and they requested working the segment in 2 phases (RHS and LHS), verbal Approval was obtained for Segment B temporary traffic plan from sta. 0+000 to sta. 0+980 and for segment A from sta. 5+800 to sta. 8+200 on June 28th, 2014. 13 copies were sent to ICA and written approval was received on July 17, 2014.

Regarding the Nature Reserve Israeli Authority approval for Segment D, a Joint walkthrough with related Israeli Authorities was conducted on May 22, 2014, proposed works plan and schedule were discussed during this walkthrough, and verbal approval was received to continue works at the Natural reserve, waiting to receive written approval. On Sep. 08 a meeting was conducted with Mr. Lt. Yotam from Bethlehem DCL and it was agreed on the followings:

- Cut down the trees that interfere with the road path.
- Granting contractor equipment access to Natural Reserve for pipe installation via blocked service road from the Highway. Approval for temporarily access the Natural reserve from the HWY 260 during construction was received on Sep. 12, 2014.

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

**COMMUNITY OUTREACH, PUBLIC INFORMATION AND GENDER CONSIDERATION:**

Coordinations with local councils, utility owners and residences continued during this reporting period.

**COORDINATION:**

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

| Date | Attendees | Subject | Description |
|---|---|---|---|
| April 07, 2015 | APCO/ArCon- Najim Saymuah, Naim Fannoon, Ibrahim Hindi, Fahed Shahin, Basel Ghayyada and Motasem Abu Rayyan.<br>Subcontractors- Abdulqader Hanayshah and Wael Shraiteh.<br>Black and Veatch- Nimer Rjoub, Islam Qawasmeh and Jamil Awwad.<br>PWA- Taher Safi. | Bi-weekly progress meeting | Review progress of work, discuss Project issues and provide solutions where required. |

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| Date | Attendees | Subject | Description |
|---|---|---|---|
| April 27, 2015 | APCO/ArCon- Mr. Najim Saymuah, Mr. Naim Fannoon, Mr. Ibrahim Hindi, Mr. Fahed Shahin , Mr. Basel Ghayyada and Mr. Motasem Abu Rayyan.<br>Subcontractors- Mr. Abdulqader Hanayshah and Mr. Wael Shraiteh.<br>Black and Veatch- Mr. Nimer Rjoub, Mr. Islam Qawasmeh, Mr. Samer Amro and Mr. Jamil Awwad.<br>PWA- Taher Safi. | Bi-weekly progress meeting | Review progress of work, discuss Project issues and provide solutions where required. |

**SITE VISITORS:**

**During this reporting period, the following visits have occurred:**

| Date | Company | Location | Description |
|---|---|---|---|
| **Task Order 15** | | | |
| No site visits during this reporting period. | | | |

**MATERIAL OR EQUIPMENT DELIVERED TO SITE:**

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

**PROGRESS and SCHEDULING:**

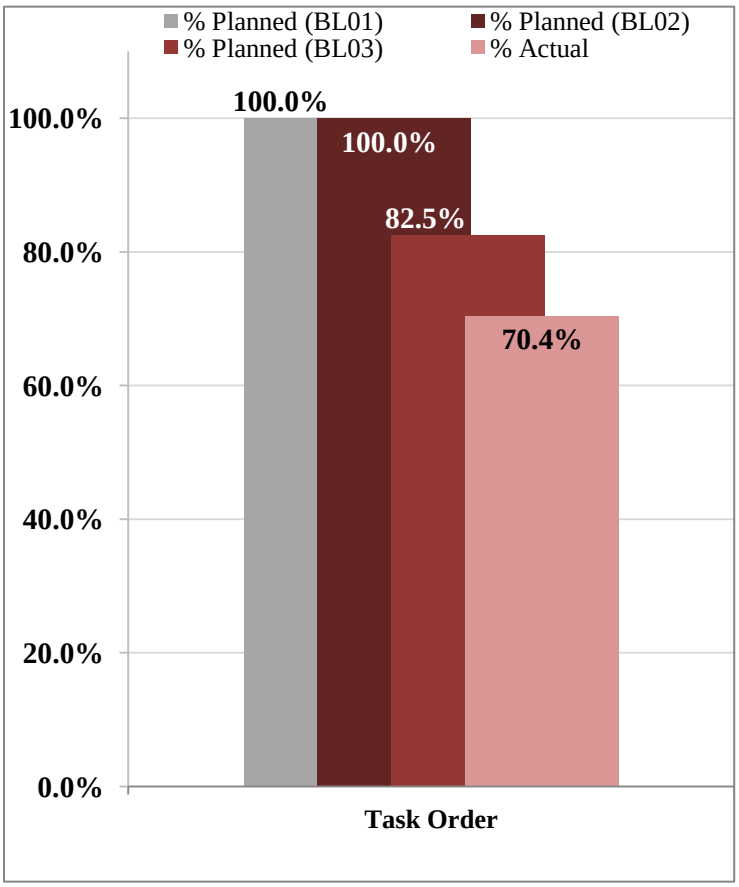
**% of Completion:**

- Excavation 95%
- Topping 98%
- Base course 90%
- Concrete Works 85%
- Concrete pipes 80%
- Curbstone 65%
- Installation steel pipes 12" 100%
- Installation steel pipes 10" 95%
- Installation steel pipes 8" 100%
- Installation steel pipes 6" 100%
- Installation steel pipes 4" 95%
- Installation steel pipes 3" 95%
- Installation steel pipes 2" 95%
- Construct Chambers 95%
- Stone Wall 90%
- Asphalt works 53%
- Mechanical works for chambers 20%

**Overall percentages of completion are :**

| Completion% | T.O |
|---|---|
| Planned % Baseline 01 | 100% |
| Planned % Baseline 02 | 100% |
| Planned % Baseline 03 | 82.49% |
| Actual % | 70.4% |
| Total Float | -33 |

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



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**ACTIVITIES DURING THIS REPORTING PERIOD:**

- Continue survey works and preparation and submitting of material submittals.
- Maintain implementation of traffic control plan.
- Complete asphalt works from St. A 0+80 to St.0+120 (100% complete)
- Complete Asphalt for road widening at intersection of segment E & A at St.A3+200 (100% complete).
- Continue and finish Asphalt Binder course laying at intersection of segment E & A at St.A3+200 (100% complete).
- Continue retaining walls work at segment simple Access in E at St.0+900 and at St.1+000 (30% complete).
- Start curbstone and side walk constructions from sta. E0+500 to Sta.E0+900 (90% completion).
- Complete installation pipe culvert and catch basin at sta. E0+580 (90% Completion)
- Continue and finish retaining walls at segment B from St.0+000 to St.0+980 (100% complete).
- Continue and complete casting concrete for Hussan connection chamber at St.A7+300 (100% completion)
- Continue and complete casting concrete for Battir PRV chamber at Sta. 0+950 (100% completion)
- Continue sidewalk construction in segment A from St. 6+340 to St. 7+100 (95% complete).
- Install pre-cast manholes in segments A, B, E, Hussan internal road and Battir Section.
- Installation of 2" gate valve chambers in segment E (100% completed).
- Continue future house connection in Hussan section (80% completion)
- Complete 2nd BC layer in segment A from St.7+400 to 8+200 (100% completion).
- Complete 2st Base Course layer in segment A from St.6+200 to 6+400 (100% completion).
- Start sub-grade layer preparation in segment A from St.7+100 to 7+400 (100% completion).
- Start installation Catch Basin for storm water from St. A6+200 to St. A6+300 (100% completion)
- Milling asphalt layer for Battir section (100% completion )
- Start Excavation work for Nahaleen connection chamber (100% completed)
- Continue chambers repair in segment A,B,C and E (50% completed)
- Complete Future house connection in segment E from St.0+230 to 0+500 (100% completed)
- Complete 2nd BC layer in segment E from St.0+230 to 0+500 (100% completed)
- Complete storm water work at segment A from St.5+500 to St.6+100 (100% completed)
- Continue retaining and boundary walls at segment a between St.7+400 to 7+800 (60% completed)
- Complete excavation for retaining wall at St.5+700 (100% completed).
- Complete pie culvert and catch basin at St.7+850 (100% completed).
- Complete pipe culvert crossing at St A6+200 (90% completed).

**PLANNED ACTIVITIES FOR NEXT MONTH:**

- Continue survey works.
- Continue preparation and submitting of material submittals and delivery of steel pipes and fittings.
- Maintain implementation of traffic control plan.
- Asphalt work in segment A from St. 7+100 to St. 8+200.and from 6+200 to 6+400.
- Continue curbstone in segment E from St. E0+230 to St. E0+500
- Continue casting concrete for sidewalks in segment E from St. E0+230 to St. E0+500
- Continue curbstone installation and side walk works in segment A from St.6+200 to St.6+400.
- Continue concrete wall construction in segment A from St. 7+650 to St. 7+750.
- Start Road construction from St. A5+800 to St. 6+200.
- Start overlay asphalt from St.A3+200 to 3+800
- Continue future house connection at Hussan section.
- Start milling and 1st asphalt layer at Hussan section.
- Start curbstone work at LHS in batter section
- Asphalt in Batter section.
- Continue boundary and retaining wall for simple access at segment E St. 0+900 and St. 1+000.
- Continue chambers repair and preparation at segment A, B, C, D and E.
- Start storm water manholes repair at segment B.
- Start catch basin work at segment A from St. 5+800 to 6+200.
- Start 1st and 2nd BC layer at segment A from St. 5+800 to St. 6+200.
- Asphalt binder at segment A from St. 5+800 to St. 6+200.

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

**Road Works-**

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

**Water Pipeline Works-**

| | |
|---|---|
| Total Pipelines installed (100% Completed) | 0.22 Km |
| Target value (Original Design) | 16.38 Km |
| Number of kilometers of pipelines installed through end of this reporting period. | **22.93** Km |

**WORKING / NON-WORKING DAYS**

| | | |
|---|---|---|
| 1 | Total Period of Performance (Original) | 540 |
| 2 | Total Excusable delays/approved extensions | 30 |
| 3 | Modified Period of Performance | 570 |
| 4 | Modified Completion Date | May 28, 2015 |
| 5 | No. of Working Days during this reporting Period | 22 |
| 6 | Accumulated Working Days | 433 |
| 7 | Total No. of non-working days (Holidays and weekends) during this reporting Period | 4 |
| 8 | Accumulated non-working days (Holidays and weekends) | 86 |
| 9 | No. of other non-working days during this month** | 4 |
| 10 | Accumulated other non-working days | 22 |

** Work stopped due to rainy weather.

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

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

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

**Task Order**

- Target value= **19,539**
- Employment generated previously =27,952.7≈ 27,953 Person-Days (per CMC audit up to Oct. 31, 2014)
- Employment generated this month = 2,159.3≈ 2,159 Person-Days
- Total cumulative employment (Male and Female) generated to-date= **30,112** Person-Days
- Total cumulative Female employment generated previously= 812.4 ≈ 812 Person-Days (audited up to Oct. 31, 2014)
- Total Female employment generated during this reporting period= 51 Person-Days
- Total cumulative Female employment generated to-date= **863.4** ≈ **863** Person-Days

| **Total Person Days** | **No. of Full Time Equivalent (FTE) Jobs =** (Total Person Days / 23.8) |
|---|---|
| Generated previously = 27,953 Person-days | Generated previously = 1,174.5≈ 1,175 |
| During this reporting period = 2,159 Person-days | During this reporting period = 90.7≈ 91 |
| Total generated to-date = 30,112 Person-days | Total generated to-date = 1,265.2≈ 1,265 (rounded to nearest FTE) |

**SITE MEMO:**

- **See Appendix D** Site Memos log

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**PROCUREMENT:**

APCO submitted a donation number request letter to USAID on Oct. 21, 2014 and then to the Finance Ministry on Oct. 23, 2014 for items to be purchased from India (Stainless steel stud bolts, nuts, washers and Flanges). On November 06, 2014 donation number was approved by the PA customs (#7995) and final approval was received from the Israeli customs department on November 23, 2014. These materials shipment arrived Ashdod port on Feb. 25, 2015. Material was cleared from the port and was delivered to the site.

**INSPECTION REQUEST:**

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

During this reporting period **126** inspection requests were issued and/or closed as follow:

| NHT | No. of IRs | No. Reviewed | No. Pending | % No Exception Noted | % Make Corrections Noted | % Amend-Resubmit | % Rejected-Resubmit |
|---|---|---|---|---|---|---|---|
| **No.** | 126 | 122 | 4 | 85 | 0 | 35 | 2 |
| **0%** | | 96.8% | 3.2% | 67.5% | 0.0% | 27.8% | 1.6% |

**Non Compliance Report Log - NCR -**

No NCRs were issued during this reporting period.

**QUALITY CONTROL AND TEST RESULTS:**

During this reporting period **107** Test Reports were issued and/or closed as follow:

| NHT | No. of Tests | No. Reviewed | No. Pending | % No Exception Noted | % Make Corrections Noted | % Amend-Resubmit | % Rejected-Resubmit | % Review Not Required |
|---|---|---|---|---|---|---|---|---|
| **No.** | 107 | 65 | 42 | 40 | 0 | 25 | 0 | 0 |
| **%** | | 60.7% | 39.3% | 37.4% | 0.0% | 23.4% | 0.0% | 0.0% |

Tests Log summary table up to this reporting period

| Material Description | Test description | Number of tests | Pass | Fail | Notes (Action taken for failed tests) |
|---|---|---|---|---|---|
| Soil under R.W Foundation | Bearing Capacity | 2 | 2 | 0 | |
| Soil | Slope Stability | 1 | 1 | 0 | |
| | Geotechnical | 6 | 6 | 0 | |
| | Classification | 2 | 2 | 0 | |
| | Resistivity | 1 | 1 | 0 | |
| Concrete | Compressive Strength | 368 | 348 | 0 | 3 Tests were returned as E (Review not required) since the same report was submitted twice.<br>One 7 days test report was rejected. Result of 28 days was submitted and passed.<br>10 tests returned as (R.R) as the CMC requested the contractor to provide concrete compressive strength in cylinder ratio.<br>16 Pending Submittals |
| Concrete | Core Test | 4 | 4 | 0 | |
| Concrete Curb | | 2 | 1 | 1 | |
| Pre Cast Manhole | Compressive Strength | 3 | 3 | 0 | |
| Ductile Iron Covers and Frame | Ultimate load test | 1 | 1 | 0 | |
| Reinforcement Steel | | 4 | 4 | 0 | |

| Material Description | Test description | Number of tests | Pass | Fail | Notes (Action taken for failed tests) |
|---|---|---|---|---|---|
| Base course | Comprehensive | 38 | 30 | 4 | Materials were improved and passed.<br>4 Pending Submittals |
| | Modified Proctor | 8 | 6 | 0 | 2 Pending Submittals<br>2 tests returned as R.R as the CMC requested to modify test Jordanian specification reference. |
| | Field density | 94 | 78 | 8 | 6 failed areas were reworked, re-compacted and retested.<br>3 test returned as R.R as the CMC requested to modify test description.<br>7 tests returned as R.R as the CMC requested to modify test Jordanian specification reference.<br>8 Pending Submittals |
| | Sieve Analysis | 1 | 1 | 0 | |
| Sub-Grade | Field density | 61 | 59 | 1 | Failed area was reworked, re-compacted and retested.<br>1 test returned as R.R as the CMC requested to modify test description.<br>4 tests returned as R.R as the CMC requested to modify test Jordanian specification reference.<br>1 Pending Submittal |
| | Modified Proctor | 40 | 37 | 0 | 1 Test was returned as E (Review not required) since the same report was submitted twice.<br>2 Pending Submittals |
| | Comprehensive | 16 | 16 | 0 | 5 tests returned as R.R as the CMC requested more information to be provided in the reports and one as it was submitted before. |
| Benching | Field density | 7 | 6 | 0 | One test returned as Review not required.<br>1 test returned as R.R as the CMC requested to modify test description. |
| | Modified Proctor | 1 | 1 | 0 | |
| Topping Material | Field density | 15 | 13 | 1 | Failed area was re-worked, re-compacted and re-tested.<br>1 Pending Submittal |
| | Modified Proctor | 5 | 5 | 0 | |
| | Comprehensive | 7 | 6 | 1 | |
| Bedding Material | Sieve analyses | 26 | 24 | 1 | 1 test returned as R.R as the CMC requested to modify test description.<br>1 Pending Submittal |
| Backfilling Material | Field density | 46 | 43 | 0 | 3 Pending Submittals |
| | Modified Proctor | 14 | 13 | 0 | 1 Pending Submittal |
| | Classification | 4 | 4 | 0 | |
| Welded Joints | Radiographic Testing | 7 | 4 | 3 | APCO to submit a plan for remedial plan for failed joints and required documents to close R.R test reports. |

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| Material Description | Test description | Number of tests | Pass | Fail | Notes (Action taken for failed tests) |
|---|---|---|---|---|---|
| Asphalt | MC | 8 | 8 | 0 | |
| | Comprehensive Test | 28 | 27 | 1 | 2 tests returned as R.R as the report do not comply with specification and were resubmitted.<br>7 tests returned as R.R as the CMC requested to modify test Jordanian specification reference. |
| Asphalt | Core Test | 23 | 19 | 2 | One submittal returned as R.R as the CMC requested more information.<br>4 tests returned as R.R as the CMC requested to modify test Jordanian specification reference.<br>2 Pending Submittals |
| Water Pipeline | Pressure Test | 15 | 11 | 2 | Contractor to retest failed sections.<br>2 Pending Submittals |
| 2 inch steel pipe | Epoxy layer thickness | 3 | 3 | 0 | 3 tests returned as R.R as the CMC requested modifications to submitted reports. |

**SUBMITTALS:**

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

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

| NHT | No. of SUB | No. Reviewed | No. Pending | % No Exception Noted | % Make Corrections Noted | % Amend-Resubmit | % Rejected-Resubmit | % Review Not required |
|---|---|---|---|---|---|---|---|---|
| No. | 23 | 19 | 4 | 5 | 10 | 3 | 1 | 0 |
| % | | 82.6% | 17.4% | 21.7% | 43.5% | 13.0% | 4.3% | 0.0% |

**RFI:**

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

**TRANSMITTALS:**

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

| Date | Contractor Trans. No. | Sender/Recipient | Subject |
|---|---|---|---|
| April 04, 2015 | By Email | APCO/ArCon/ USAID | T.O 15- March 2015 - Monthly Report- Draft |
| April 08, 2015 | By Email | USAID/ APCO/ArCon | Re: T.O 15- January 2015 - Monthly Report- COR Comments- Modified |
| April 08, 2015 | By Email | APCO/ArCon/ USAID | Re: T.O 15- January 2015 - Monthly Report- COR Comments- Modified |
| April 21, 2015 | By Email | USAID/ APCO/ArCon | Re: TO#15- Another Assault Incident in Hussan |
| April 22, 2015 | By Email | USAID/ APCO/ArCon | Re: TO 13-00015-NHT- Housekeeping, environmental, and Safety Observation Photos. |
| April 29, 2015 | By Email | USAID/ APCO/ArCon | Monthly Contracting Officer's Meeting |
| April 29, 2015 | By Email | APCO/ArCon/ USAID | Reminder: T.O 15- Pending Monthly Reports |

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

| Date | Contractor Trans. No. | Sender/Recipient | Subject |
|---|---|---|---|
| April 01,2015 | By Email | APCO/ArCon/ B&V | USAID CO Meeting - APCO Presentation- Mar. 31, 2015 |
| April 05,2015 | By Email | APCO/ArCon/ B&V | All Task Orders- Geo-MIS Data - March 2015 |
| April 06,2015 | By Email | APCO/ArCon/ B&V | TO 13-00015: CMC review comments - priority |
| April 06,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015: CMC review comments - priority |
| April 06,2015 | By Email | B&V/APCO/ArCon | FW: TO 13-00015 NHT: PM-13-00015-NHT-022 Agenda |
| April 06,2015 | By Email | APCO/ArCon/ B&V | RE: FW: TO 13-00015 NHT: PM-13-00015-NHT-022 Agenda |
| April 06,2015 | By Email | B&V/APCO/ArCon | RE: FW: TO 13-00015 NHT: PM-13-00015-NHT-022 Agenda |
| April 06,2015 | By Email | B&V/APCO/ArCon | FW: TO 13-00015 NHT: PM-13-00015-NHT-022 Agenda |
| April 06,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: PM-13-00015-NHT-022 Agenda |
| April 08,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Site Safety and Housekeeping |
| April 08,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Unacceptable work practice |
| April 08,2015 | By Email | APCO/ArCon/ B&V | TO#15 Nahalin Septic Tanks |
| April 09,2015 | By Email | B&V/APCO/ArCon | FW: TO 13-00015 NHT: Variation Order Request No. 011_B |
| April 12,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: RE: Stockpiled Material at Station A0+420 |
| April 12,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Unacceptable work practice |
| April 12,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015 NHT: Unacceptable work practice |
| April 12,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Site Safety and Housekeeping |
| April 12,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015 NHT: RE: Stockpiled Material at Station A0+420 |
| April 12,2015 | By Email | B&V/APCO/ArCon | RE: TO#15 Nahalin Septic Tanks |
| April 12,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT : Remaining Items and Submittals |
| April 12,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015 NHT: Site Safety and Housekeeping |
| April 12,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Land Restoration Delays and Damages |
| April 13,2015 | By Email | APCO/ArCon/ B&V | TO#15 Issues Affecting Momentum |
| April 13,2015 | By Email | B&V/APCO/ArCon | FW: TO 13-00015 NHT: MOM-13-00015-NHT-022-Apr 07 2015 |
| April 13,2015 | By Email | B&V/APCO/ArCon | TO 13-00015-NHT-Unacceptable Delivered Manholes |
| April 13,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015-NHT-Unacceptable Delivered Manholes |
| April 13,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015-NHT-Unacceptable Delivered Manholes |
| April 13,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Variation Order Request No. 011_B |
| April 13,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015 NHT: Site Safety and Housekeeping |
| April 13,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Site Safety and Housekeeping |
| April 14,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Proposed Changes VO |
| April 14,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Unsafe conditions at Seg. A St:6+300 |
| April 14,2015 | By Email | B&V/APCO/ArCon | RE: TO#15 Issues Affecting Momentum |
| April 14,2015 | By Email | B&V/APCO/ArCon | RE: TO#15 Issues Affecting Momentum |
| April 14,2015 | By Email | APCO/ArCon/ B&V | RE: TO 13-00015-NHT-Unacceptable Delivered Manholes |
| April 14,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015-NHT-Unacceptable Delivered Manholes |
| April 15,2015 | By Email | B&V/APCO/ArCon | RE: RFP-LCP Contractors audit services. |
| April 16,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: MOM-13-00015-NHT-022-Apr 07 2015 |
| April 16,2015 | By Email | B&V/APCO/ArCon | TO 13-00015-NHT- Housekeeping, environmental, and Safety Observation Photos |
| April 18,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: APCO valve delivery status |
| April 20,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Progress of Work and Concerns April 2015 |
| April 23,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT Progress Payment #12 (APCO/ArCon) - (March 10, 2015 - April 08, 2015) |
| April 23,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT Progress Payment #12 (APCO/Arcon) - (March 10, 2015 - April 08, 2015) |
| April 23,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Progress of Work and Concerns April 2015 |
| April 23,2015 | By Email | B&V/APCO/ArCon | RE: TO#15- Another Assault Incident in Hussan |
| April 23,2015 | By Email | B&V/APCO/ArCon | TO 13-00015-NHT: Unacceptable Quality Control procedures |

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| Date | Contractor Trans. No. | Sender/Recipient | Subject |
|---|---|---|---|
| April 23,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: PM-13-00015-NHT-023 Agenda |
| April 26,2015 | By Email | B&V/APCO/ArCon | RE: Discussion |
| April 27,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: PWA List of Trainees |
| April 27,2015 | By Email | B&V/APCO/ArCon | TO 13-00015 NHT: Mockup sample for Manhole's repair |
| April 28,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT : Remaining Items and Submittals |
| April 28,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Progress of Work and Concerns April 2015 |
| April 28,2015 | By Email | B&V/APCO/ArCon | RE: TO 13-00015 NHT: Land Restoration Delays and Damages |

**PAYMENTS:**

| Voucher Number | Submitted Date | Amount | Retention Amount | Amount Received | Date Received |
|---|---|---|---|---|---|
| 01 | January 21, 2014 | $ 420,348.25 | $0.00 | $ 420,348.25 | January 31, 2014 |
| 02 | April 17, 2014 | $ 196,557.35 | $0.00 | $ 196,557.35 | May 07, 2014 |
| 03 | May 26, 2014 | $ 80,563.73 | $0.00 | $ 80,563.73 | June 10, 2014 |
| 04 | June 23, 2014 | $ 307,982.25 | $0.00 | $307,982.25 | July 07, 2014 |
| 05 | July 07, 2014 | $ 264,072.60 | $0.00 | $ 264,072.60 | July 23, 2014 |
| 06 | August 03, 2014 | $ 196,970.51 | $0.00 | $ 196,970.51 | August 22, 2014 |
| 07 | Sep. 07, 2014 | $ 358,685.86 | $0.00 | $ 358,685.86 | Sep. 23, 2014 |
| 08 | Oct. 12, 2014 | $ 513,359.74 | $0.00 | $ 513,359.74 | Oct. 28, 2014 |
| 09 | Nov. 17, 2014 | $ 542,684.27 | $0.00 | $ 542,684.27 | December 09, 2014 |
| 10 | Jan. 28, 2015 | $1,967,629.03 | $0.00 | $1,967,629.03 | February 11, 2015 |
| 11 | March 15, 2015 | $ 939,236.76 | $0.00 | $ 939,236.76 | April 06, 2015 |
| **Total** | | **$5,788,090.35** | **$0.00** | **$5,788,090.35** | |

**APCO/ArCon total accrued expenditures** **$2,601,497.65**

**VARIATION ORDERS**

| VO No. | DESCRIPTION | VO Status (AP/PE/RE/RJ) | | | Date Sent to B&V | USAD Approval Date | Variation order Amount | Time Ex. |
|---|---|---|---|---|---|---|---|---|
| | | APCO | B&V | USAID | | | | |
| 01 | Changes in Requirements, Additional Works, New Definitive Quantities and Time Extension | AP | AP | AP | Jan. 15, 2015 | Jan. 23, 2015 | $276,671.77 | 30 Days |

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

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**VARIATION ORDER REQUESTS:**

| VOR No. | DESCRIPTION | Date Sent to B&V | Variation order Amount | Time Ex. |
|---|---|---|---|---|
| 01-A | Concrete New jersey Barrier vs. Steel Barrier | June 02, 2014 | $0.00 Approved | 00 Days |
| 02-A | Change in the requirements, Additional works, New item prices | Oct. 26, 2014 | $106,360.89 Revise Resubmit | 10 Days |
| 02-B | | Dec. 04, 2014 | To be evaluated Noted | 10 Days |
| 03-A | Change in the requirements, Additional works, New item prices | Nov. 04, 2014 | $415,004.99 Revise Resubmit | 00 Days |
| 03-B | | Dec. 04, 2014 | $382,438.00 Noted | 00 Days |
| 04-A | Changes in the requirements, Revised scope of work, New items | Nov. 10, 2014 | To be evaluated Revise Resubmit | 28 Days |
| 04-B | | Dec. 04, 2014 | To be evaluated Noted | 28 Days |
| 05-A | Changes in the requirements, Revised scope of work | Dec. 07, 2014 | To be evaluated Noted | 00 Days |
| 06-A | Comprehensive time impact analysis for the additional works in Segment E | Dec. 11, 2014 | To be evaluated Closed under VO#01 | 45 Days |
| 07-A | Change in the requirements and new items: Additional Reinstatement Works | Jan. 18, 2015 | $44,800 Revise Resubmit | 00 Days |
| 07-B | | March 30, 2015 | $45,900 Revise Resubmit | 00 Days |
| 07-C | | Apr. 14, 2015 | $42,660 Asphalt reinstatement is not required. | 00 Days |
| 08-A | Change in the requirements and new item prices: Elevated Stone Walls | Jan. 19, 2015 | $65,520 Refer to VOR 02-B | 00 Days |
| 09-A | Change in the requirements and new item prices: Demolishing the existing boundary walls and stone walls in Segment B | Jan. 19, 2015 | $4,303.76 Refer to VOR 02-B | 00 Days |
| 10-A | Compensation of Work stoppage and equipment confiscated in Segment B | Jan. 19, 2015 | $21,120 Rejected | 00 Days |
| 11-A | Changes in the requirements and new items: Existing condition of street lighting poles | Feb. 01, 2015 | $111,000 Revise Resubmit | To be submitted |
| 11-B | | Apr. 01, 2015 | $90,000 Noted, submit cost break down | To be submitted |
| 11-C | | Apr. 27, 2015 | $73,547 Noted | To be submitted |
| 12-A | Comprehensive time impact analysis for weather and security conditions delays | Apr. 19, 2015 | $00 Response received with 17 days time impact | 24 Days |
| 13-A | New Item prices: Supply and install of pedestrian handrail | Apr. 27, 2015 | $50,000 In Progress | To be submitted |

**OBSTACLES AND CHALLENGES**

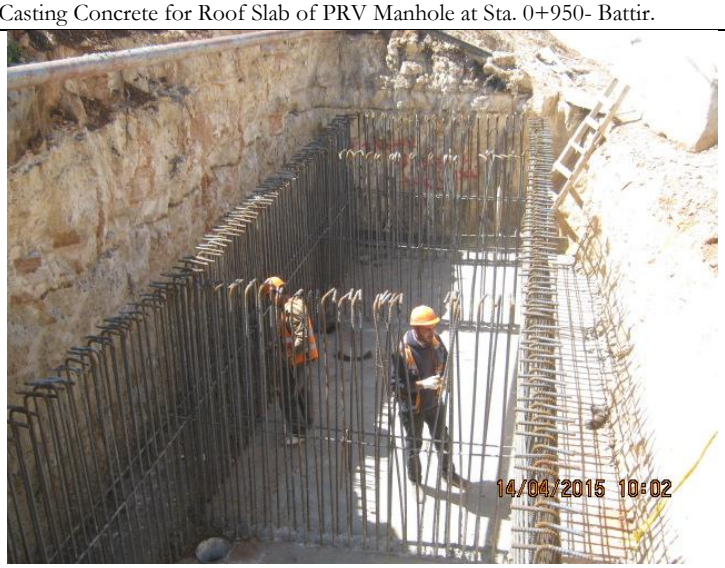
| Issue | Action |
|---|---|
| 1. Slow down and work disruption in subgrade preparation in Segment E between St. 0+400 to St. 0+500 due to existing shallow underground utilities (waterlines, electrical cables and PalTel cables) and existing septic tanks within the R.O.W (sometimes higher than the existing road level) that need to be treated or relocated when applicable. These utilities were subject to damage during excavation as the as built drawings received from utility owners were not accurate and did not reflect the actual depth (less than 50cm in some locations). | 1. APCO and CMC conducted several meetings with local councils and utility owners. Special care during excavation and subgrade preparation to avoid accidental damage to existing utilities. This issue is challenging and caused work slow down and disruptions. |
| 2. Physical assault on APCO's subcontractor workforce on April 20, 2015 at Husan during the construction of storm water pipes. As reported by Project TOM, a local resident ignored the flagman's signal to stop and kept driving, his car (none registered/illegal) was scratched by the skid working nearby. The resident behavior was not reasonable and he enlisted a gang of his friends /relatives who physically assaulted our foreman and his three sons. | 2. The four workers were taken to a nearby hospital for medical check, luckily no serious injuries were sustained and all four were released. Later on, APCO personnel and BV's went with the workers to Bethlehem Police who filed incident report against six of the attackers who were identified. On April 21, another complaint was filed with the police on behalf of APCO Company.<br><br>**Tuesday,** April 21st.<br>About 70 men from Yatta (hometown of APCO crew) came to Husan, removed the construction equipment, then, came back and stopped APCO from filling the open trench they left when the incident occurred. Their "visit" to Husan was really a show of force because they had not heard from Husan regarding the incident. Fortunately they left Husan without stirring trouble, but their message was delivered.<br><br>**Wednesday,** April 22nd.<br>Late in the day, a delegation from Husan went to Yatta (about 10 people) for the traditional "*Atwa*" which is a tribal mechanism to resolve conflicts of this sort. The Yatta people delayed the *Atwa* for a month (until May 20th) essentially; a truce between the parties, the final *Atwa* will depend on Husan's conduct during the 30 day delay. Basically, it is a pressure tactic by Yatta to ensure adherence to promises made not to instigate any trouble.<br><br>Works were totally stopped at Hussan between April 20 and April 25, 2015. |
| 3. Work stoppage at proposed concrete wall excavation works from St. 5+697 to St. 5+773 LHS due to landowner objections, who refused to start excavation works for the proposed concrete wall claiming that he did not agree with the local council about the wall alignment. Works were stopped from April 06, 2015 to April 14, 2015. | 3. Issue was resolved on April 14 after intensive coordination with CMC and local council. |
| **Issue** | **Action** |

| | |
|---|---|
| 4. Slow rate of progress by Jerusalem District Electric Company (JDECO) works caused work disruption and delay at the following locations:<br>• Between segments A and E<br>• Segment A from 8+000 to 8+200.<br>• Battir | 4. APCO submitted site memo No. SM-13-00015-NHT-C-E-025 on April 05, 2015 regarding this issue. APCO indicated that they have been reaching out to JEDCO but cannot start the asphalt wearing course in Segment B and works between Segment A and E without their involvement. APCO repeated requests to JDECO have not been successful and requested BV assistance to expedite their works at Nahaleen Project. APCO requested again BV assistance on April 13 via email and BV responded via email on April 14 that no HT cable will be installed between St. A8+000 to St. A8+200. JDECO informed BV that HT towers will be installed and this issue will not affecting APCO work. As for the cable between segment A&E, and Battir road, cables will be installed under the proposed concrete ditch (between segment A&E) and at the sidewalk for Battir road and will not affect the asphalting works. BV stated that this issue is still under discussion with JDECO and they will respond to APCO shortly. Waiting to receive official instructions from CMC in this regard. |
| 5. Work disruption and slow down in Segment E due to the existence of Septic Tanks in the road carriage way. These tanks if lowered (treated similar to manholes) will negate their function because they will become unusable. Therefore they require removal and rebuilding in new location, which APCO believe is beyond the site conditions requirements. | 5. APCO decided in an email sent to BV on April 08, (to expedite work progress in the mentioned segment) and relocate existing septic tanks (after owners and council approvals) and keep track of the cost to discuss with BV and present in future VOR. APCO indicated that these structures are arbitrary, not environmentally proper; that are merely obstacles that we need to work around but cannot guarantee them or be liable for and will issue a site Memo accordingly.<br>On April 12, and in response to APCO decision CMC indicated that proper relocation of the existing septic tanks, if deemed necessary, is within Contractor scope of work and this issue will be further discussed after reaching an agreement with the local council and local and prepare a list of all existing tanks within the working area. |
| **PROGRESS PHOTOS** | |

Steel reinforcement for Roof Slab of PRV Manhole at Sta. 0+950-Battir.

Casting Concrete for Roof Slab of PRV Manhole at Sta. 0+950- Battir.

Steel reinforcement for foundation of Hussan connection chamber at Sta. A7+270.




Steel reinforcement for walls of Hussan connection chamber at Sta. A7+270.

Casting concrete for walls of Hussan connection chamber at Sta. A7+270.

Formwork and steel reinforcement for one side shutter wall from Sta. A7+650 to Sta. A7+705 at LHS.

Formwork and steel reinforcement for one side shutter wall from Sta. A7+752 to Sta. A7+785 at RHS.

Formwork and steel reinforcement for stem of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS.

Formwork &Steel Reinforcement for Stem of Boundary Wall from Sta. A7+492 to Sta. A7+510 LHS.

Casting concrete for stem of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS.

Formwork and steel reinforcement for foundation of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS.

Formwork and steel reinforcement for stem of concrete wall from Sta. A7+510 to Sta. A7+530 at LHS.

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Asphalt core test samples were taken for wearing asphalt layer from Sta. A4+290 to Sta. A5+490.

Field density test sample was taken for first base course layer for road from Sta. A7+100 to Sta. A7+440.

Spreading, watering and compaction of second base course layer for road from Sta. A7+440 to Sta. A8+200.

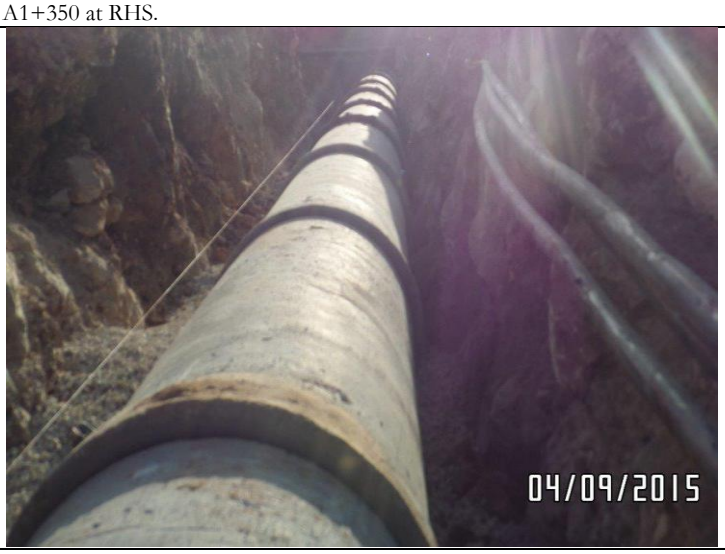
Spreading, watering and compaction of second base course layer of road from Sta. E0+240 to Sta. E0+500.

Spreading compaction of first base course layer for road from Sta. A7+100 to Sta. A7+440.

Spreading, watering and compaction of second base course layer from Sta. A6+200 to Sta. A6+340.

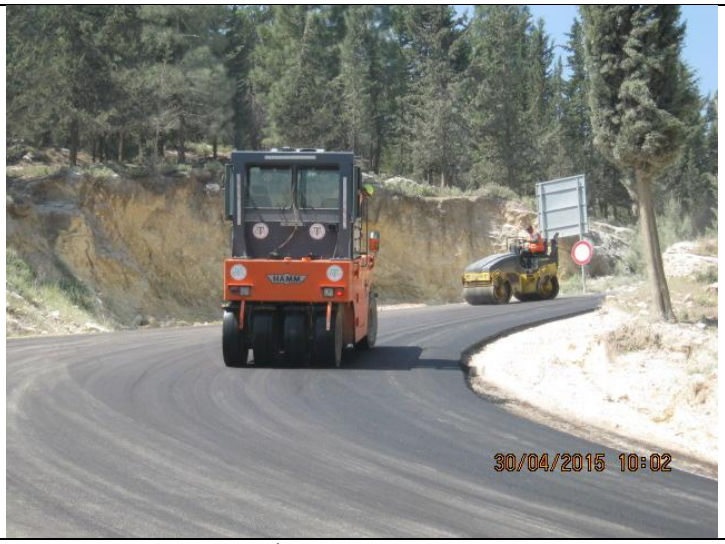
Spreading, watering and compaction of base course layer for detour at Sta. A1+350 at RHS.

Formwork and steel reinforcement for concrete support over the level of 12 inch exposed pipeline from Sta. D0+000 to Sta. D0+500.




Installation of storm water pipes from Sta. A5+828 to Sta. A5+868.

Mechanical works and fittings for 4 inch G.V chamber at Sta. B0+540.




Spreading wearing asphalt (3/4 inch) layer for road from Sta. A0+080 to Sta. A0+120

Spreading binder asphalt (3/4 inch) layer for road from Sta. E0+260 to Sta. E0+500

# 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/April, 2015**

| Date | Grader CAT | | Bob Cat | | Wheel roller | | Wheel Loader | | Wheel Excavator | | JCB | | Welding Machine | | Truck | | Crusher | | MC Tank | | WATER TANK | | Finisher | | chain excavator | | Compactor | | Pneumatic tired roller | | Concrete pump | | Concrete mixer | | Milling machine | | Crane machine | | Asphalt Cutting Machine | | Steel Roller | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle | Quantity in use | Quantity idle |
| 1-Apr | | 2 | | 2 | | | | 2 | 1 | 1 | | 5 | | 1 | 1 | 5 | | | | | | 1 | | | 1 | 1 | | 3 | | | | | | | | 1 | | 1 | | | | 1 |
| 2-Apr | 2 | | 2 | 1 | | | 2 | | 1 | 1 | 4 | 1 | 1 | | 5 | | | | | | 1 | | | | 2 | | 2 | 2 | | | 1 | | 1 | | 1 | | | 1 | | | | 1 |
| 3-Apr | | 2 | | 3 | | | | 2 | | 2 | | 5 | | 1 | | 5 | | | | | | 1 | | | | 2 | | 3 | | | | | | | | 1 | | 1 | | | | 1 |
| 4-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 6 | | 1 | | 4 | 1 | | | | | 1 | | | | 1 | 1 | 1 | 3 | | | 1 | | 1 | | | | | 1 | | | | 1 |
| 5-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 5 | | 1 | | 4 | 1 | | | | | 1 | | | | 1 | 1 | 2 | 2 | | | 1 | | 1 | | | | | 1 | | | | 1 |
| 6-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 5 | | 1 | | 4 | 1 | | | | | 1 | | | | 2 | | 2 | 2 | | | 1 | | 6 | | 1 | | | | | | | 1 |
| 7-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 4 | 1 | 2 | | 2 | 1 | | | | | 2 | | | | 2 | | 2 | 2 | | | 1 | | 9 | | | | | 1 | | | | 1 |
| 8-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 3 | 2 | 2 | | 2 | 1 | | | | | 2 | | | | 1 | 1 | 1 | 3 | | | 1 | | 11 | | | | | 1 | | | | 1 |
| 9-Apr | 2 | | 2 | | | | 2 | | 2 | | 4 | 1 | 2 | | 3 | 1 | | | | | 2 | | | | | 2 | 1 | 3 | | | 1 | | 2 | | | | | 1 | | | | 1 |
| 10-Apr | | 2 | | 2 | | | | 2 | | 2 | | 5 | | 2 | | 2 | | | | | | 2 | | | | 1 | 1 | 4 | | | | | | | | | | 1 | | | | 1 |
| 11-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 1 | 3 | 2 | | 2 | 1 | | | | | | 2 | | | | 2 | 1 | 3 | | | | | | | | | | 1 | | | | 1 |
| 12-Apr | | 2 | | 2 | | | | 2 | | 2 | | 4 | | 2 | | 2 | | | | | | 2 | | | | 2 | | 4 | | | | | | | | | | 1 | | | | 1 |
| 13-Apr | 1 | 1 | | 2 | | | 1 | 1 | | 2 | 1 | 3 | | 2 | | 2 | | | | | | 2 | | | | 2 | 1 | 3 | | | | | | | | | | 1 | | | | 1 |
| 14-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 3 | 2 | 2 | | 2 | 1 | | | | | 1 | | | | 1 | 1 | 1 | 3 | | | | | | | | | | 1 | | | | 1 |
| 15-Apr | 2 | | 2 | | | | 2 | | 2 | | 3 | 2 | 2 | | 3 | | | | | | 1 | | | | 1 | 1 | 2 | 2 | | | | | | | | | | 1 | | | | 1 |
| 16-Apr | | 2 | | 2 | | | | 2 | | 2 | | 3 | | | | 3 | | | | | | 1 | | | | 3 | | 4 | | | | | | | | | | 1 | | | | 1 |
| 17-Apr | | 2 | | 2 | | | | 2 | | 2 | | 3 | | | | 3 | | | | | | 1 | | | | 3 | | 4 | | | | | | | | | | 1 | | | | 1 |
| 18-Apr | 2 | 1 | 2 | | | | 2 | | 2 | | 2 | 1 | 2 | | 2 | 1 | | | | | 1 | | | | | 2 | 2 | 2 | | | | | 7 | | | | | 1 | | | | 1 |
| 19-Apr | 2 | | 2 | | | | 2 | | 2 | | 2 | 1 | 1 | | 2 | 1 | | | | | 1 | | | | | 2 | 1 | 2 | | | | | 16 | | | | | 1 | | | | 1 |
| 20-Apr | 1 | 1 | 2 | | | | 2 | | 2 | | 3 | 1 | 2 | | 2 | 1 | | | | | 1 | | | | | 1 | 1 | 2 | | | 1 | | 10 | | | | | | | | | 1 |
| 21-Apr | 1 | 1 | 1 | 1 | | | 2 | | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | | | | | 1 | | | | 1 | | 1 | 2 | | | 1 | | 9 | | | | | | | | | 1 |
| 22-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | | | | | 1 | | | | | 1 | 1 | 2 | | | 1 | | 4 | | | | | | | | | 1 |
| 23-Apr | 2 | | 1 | 1 | | | 2 | | 1 | 1 | 2 | 1 | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | | | 1 | | | | | | | | | 1 |
| 24-Apr | | 2 | | 2 | | | | 2 | | 2 | | 3 | | 1 | | 2 | | | | | | 1 | | | | 1 | | 3 | | | | | | | | | | | | | | 1 |
| 25-Apr | 1 | 1 | 1 | 1 | | | 2 | | 1 | 1 | 2 | 1 | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | | | | | | | | | | | | 1 |
| 26-Apr | 1 | 1 | 2 | | | | 2 | | 2 | | 2 | 1 | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | 1 | | 4 | | | | | | | | | 1 |
| 27-Apr | 1 | | 2 | | | | 2 | | 2 | | 4 | 1 | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | | | 2 | | | | | | | | | 1 |
| 28-Apr | 1 | | 2 | | | | 1 | | 2 | | 6 | | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | 1 | | 4 | | | | | | | | | 1 |
| 29-Apr | 1 | | 2 | | | | 1 | | 1 | 1 | 5 | | 1 | | 2 | | | | | | 1 | | | | | 1 | 1 | 2 | | | 1 | | 4 | | | | | | | | | 1 |
| 30-Apr | 1 | | 2 | | | | 1 | | 1 | 1 | 5 | | 1 | | 6 | | | | 1 | | 1 | | 1 | | | 1 | 1 | 2 | 1 | | | | | | | | | | | | 2 | 1 |

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

**Title: Materials Receiving Log/April 2015**

| Date | Material Delivered to Site | Quantity |
|---|---|---|
| 1-Apr | | |
| 2-Apr | Base course | 200 ton |
| | Concrete B 350 | 8 m3 |
| | Single size material | 130 ton |
| 3-Apr | | |
| 4-Apr | Base course | 400 ton |
| | Concrete B 350 | 3.5 m3 |
| | Single size material | 80 ton |
| | Bedding material | 60 ton |
| 5-Apr | Base course | 500 ton |
| | Concrete B 250 | 9 m3 |
| 6-Apr | Concrete B 250 | 51 m3 |
| | Bedding material | 60 ton |
| | Single size material | 140 ton |
| | Base course | 100 ton |
| 7-Apr | Concrete B 250 | 78 m3 |
| | Bedding material | 100 ton |
| | Single size material | 100 ton |
| | Base course | 100 ton |
| 8-Apr | Concrete B 250 | 96 m3 |
| | Base course | 495.5 ton |
| 9-Apr | Concrete B 350 | 16 m3 |
| 10-Apr | | |
| 11-Apr | | |
| 12-Apr | | |
| 13-Apr | | |
| 14-Apr | | |
| 15-Apr | | |
| 16-Apr | | |
| 17-Apr | | |
| 18-Apr | Concrete B 250 | 72 m3 |
| 19-Apr | Concrete B 250 | 129 m3 |
| | Base course | 500 ton |
| | Single size | 200 ton |
| 20-Apr | Concrete B 250 | 82 m3 |
| | Single size material | 100 ton |
| 21-Apr | Concrete B 250 | 48 m3 |
| | Concrete B 350 | 19 m3 |
| | Base course | 250 ton |
| | Single size | 100 ton |

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

**Title: Materials Receiving Log/April 2015**

| Date | Material Delivered to Site | Quantity |
|---|---|---|
| 22-Apr | Concrete B 250 | 32 m3 |
| 23-Apr | Concrete B 250 | 4 m3 |
| | Base course | 300 ton |
| 24-Apr | | |
| 25-Apr | Base course | 200 ton |
| 26-Apr | Base course | 200 ton |
| | Single size | 100 ton |
| | Concrete B 250 | 25 m3 |
| | Concrete B 350 | 9.5 m3 |
| 27-Apr | Concrete B 250 | 11 m3 |
| 28-Apr | Concrete B 250 | 33 m3 |
| | Base course | 350 ton |
| | Single size | 200 ton |
| 29-Apr | Concrete B 250 | 30.5 m3 |
| 30-Apr | Asphalt (3/4 ) inch | 609.97 ton |

# B | Detailed Time Schedule for the Project
## Proposed Baseline Schedule

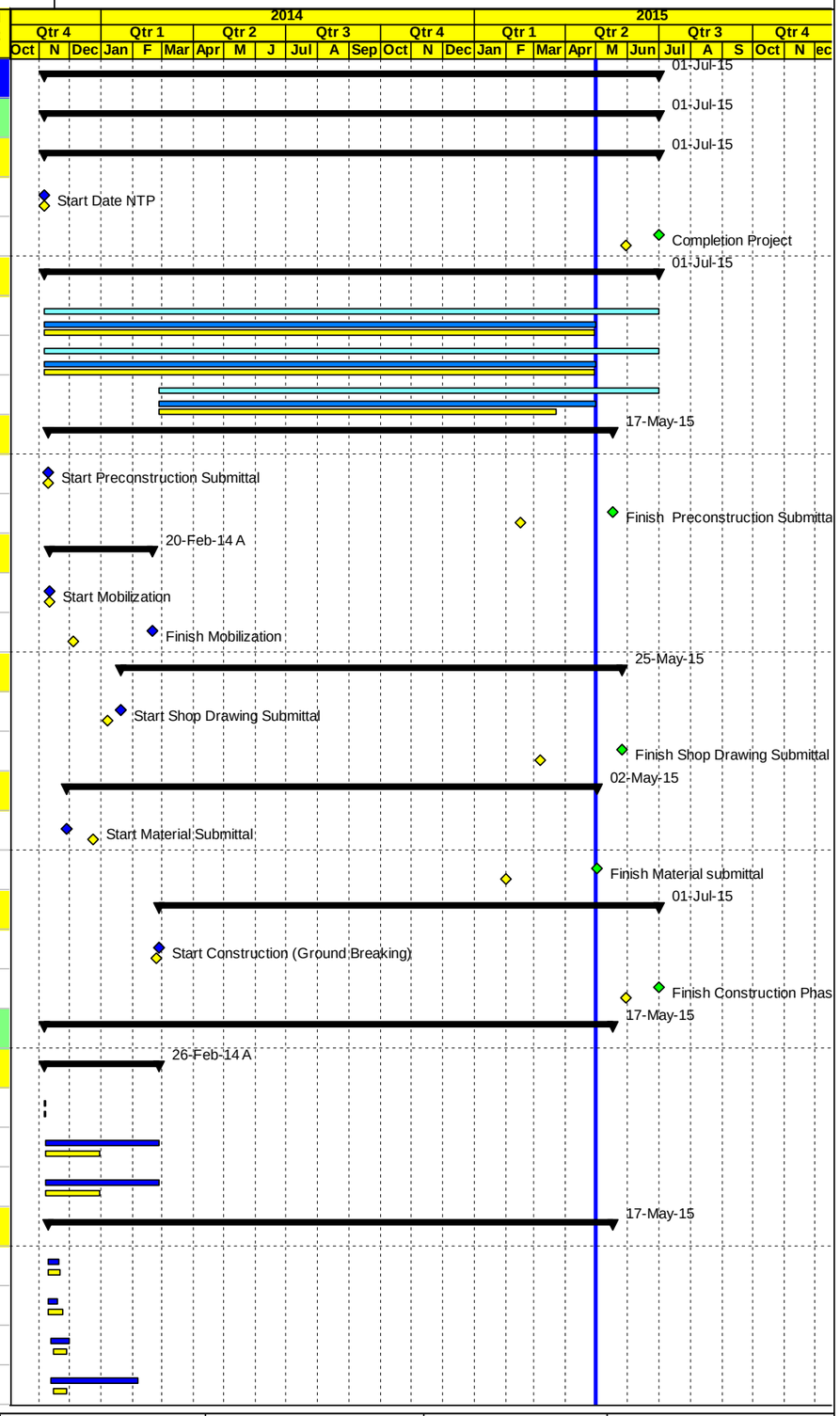
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Nahaleen Main Pipeline Project** | | 603d | | 06-Nov-13 | 29-May-15 | 06-Nov-13 A | 01-Jul-15 | -33d |
| **Milestones** | | 500d | | 06-Nov-13 | 29-May-15 | 06-Nov-13 A | 01-Jul-15 | -29d |
| **General Milestones** | | 500d | | 06-Nov-13 | 29-May-15 | 06-Nov-13 A | 01-Jul-15 | -29d |
| NHT0000 | Start Date NTP | 0d | 100% | 06-Nov-13 | | 06-Nov-13 A | | |
| NHT0010 | Completion Project | 0d | 0% | | 29-May-15 | | 01-Jul-15 | -33d |
| **Task order Duration** | | 445d | | 06-Nov-13 | 28-Apr-15 | 06-Nov-13 A | 01-Jul-15 | -29d |
| NHT0020 | Project Duration (Calendar Days) | 539d | 88.55% | 06-Nov-13 | 28-Apr-15 | 06-Nov-13 A | 01-Jul-15 | -33d |
| NHT0030 | Project Duration (Working Days) | 445d | 87.95% | 06-Nov-13 | 28-Apr-15 | 06-Nov-13 A | 01-Jul-15 | -29d |
| NHT0040 | Construction Duration (Working Days) | 326d | 83.54% | 26-Feb-14 | 22-Mar-15 | 26-Feb-14 A | 01-Jul-15 | -29d |
| **Pre Construction Milestones** | | 395d | | 10-Nov-13 | 15-Feb-15 | 10-Nov-13 A | 17-May-15 | 10d |
| NHT0050 | Start Preconstruction Submittal | 0d | 100% | 10-Nov-13 | | 10-Nov-13 A | | |
| NHT0060 | Finish Preconstruction Submittal | 0d | 0% | | 15-Feb-15 | | 17-May-15 | 10d |
| **Mobilization Milestones** | | 21d | | 11-Nov-13 | 04-Dec-13 | 11-Nov-13 A | 20-Feb-14 A | |
| NHT0070 | Start Mobilization | 0d | 100% | 11-Nov-13 | | 11-Nov-13 A | | |
| NHT0080 | Finish Mobilization | 0d | 100% | | 04-Dec-13 | | 20-Feb-14 A | |
| **Shop Drawing Milestones** | | 424d | | 06-Jan-14 | 07-Mar-15 | 20-Jan-14 A | 25-May-15 | 4d |
| NHT0090 | Start Shop Drawing Submittal | 0d | 100% | 06-Jan-14 | | 20-Jan-14 A | | |
| NHT0100 | Finish Shop Drawing Submittal | 0d | 0% | | 07-Mar-15 | | 25-May-15 | 4d |
| **Material Milestones** | | 412d | | 24-Dec-13 | 01-Feb-15 | 28-Nov-13 A | 02-May-15 | 25d |
| NHT0110 | Start Material Submittal | 0d | 100% | 24-Dec-13 | | 28-Nov-13 A | | |
| NHT0120 | Finish Material submittal | 0d | 0% | | 01-Feb-15 | | 02-May-15 | 25d |
| **Construction Milestones** | | 414d | | 24-Feb-14 | 29-May-15 | 26-Feb-14 A | 01-Jul-15 | -29d |
| NHT0130 | Start Construction (Ground Breaking) | 0d | 100% | 24-Feb-14 | | 26-Feb-14 A | | |
| NHT0140 | Finish Construction Phase | 0d | 0% | | 29-May-15 | | 01-Jul-15 | -29d |
| **Pre Construction Phase** | | 339d | | 06-Nov-13 | 11-Dec-14 | 06-Nov-13 A | 17-May-15 | 10d |
| **Conformed Drawings and Coordination** | | 41d | | 06-Nov-13 | 30-Dec-13 | 06-Nov-13 A | 26-Feb-14 A | |
| NHT0145 | Final for Construction Drawing (Conformed) | 1d | 100% | 06-Nov-13 | 06-Nov-13 | 06-Nov-13 A | 06-Nov-13 A | |
| NHT0150 | Coordination with Israeli authorities for approval and permit area C | 40d | 100% | 07-Nov-13 | 30-Dec-13 | 07-Nov-13 A | 26-Feb-14 A | |
| NHT0155 | Coordination with local Authorities before Construction | 40d | 100% | 07-Nov-13 | 30-Dec-13 | 07-Nov-13 A | 26-Feb-14 A | |
| **Pre Construction Submittals** | | 286d | | 06-Nov-13 | 11-Dec-14 | 10-Nov-13 A | 17-May-15 | 10d |
| NHT0160 | Schedule for Pre Construction Submittals & Mobilization | 10d | 100% | 10-Nov-13 | 21-Nov-13 | 10-Nov-13 A | 20-Nov-13 A | |
| NHT0170 | Bank Guarantee Certificates | 10d | 100% | 10-Nov-13 | 24-Nov-13 | 10-Nov-13 A | 19-Nov-13 A | |
| NHT0190 | Field Offices Location & Layout | 10d | 100% | 14-Nov-13 | 27-Nov-13 | 13-Nov-13 A | 01-Dec-13 A | |
| NHT0200 | Field Offices Furniture & Equipment Plan | 10d | 100% | 14-Nov-13 | 27-Nov-13 | 13-Nov-13 A | 06-Feb-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

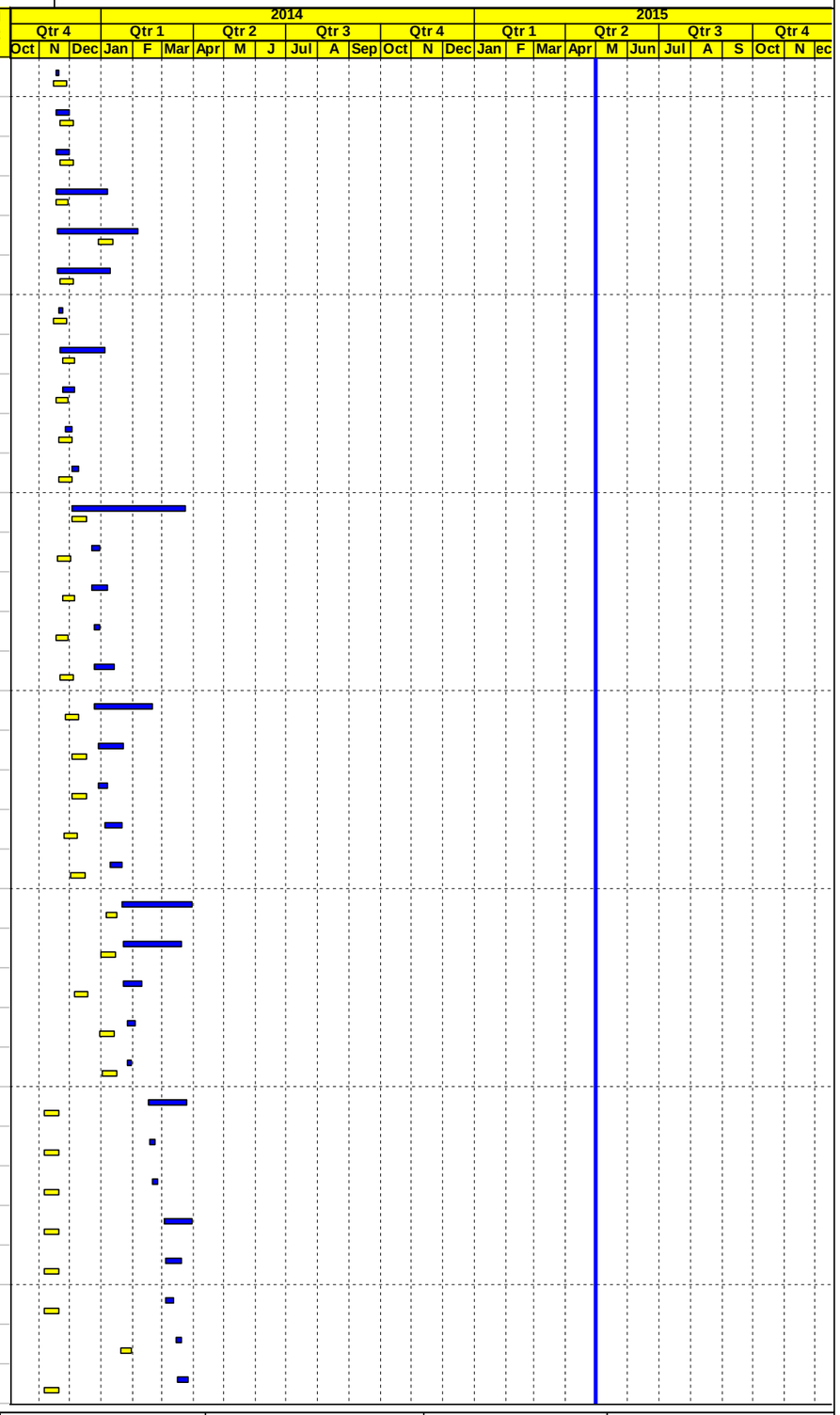
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT0210 | Scheduling Qualification Submittals | 10d | 100% | 14-Nov-13 | 27-Nov-13 | 17-Nov-13 A | 20-Nov-13 A | |
| NHT0290 | 60-Day Plan of Operation | 10d | 100% | 21-Nov-13 | 04-Dec-13 | 17-Nov-13 A | 01-Dec-13 A | |
| NHT0300 | Project Overview Bar Chart | 10d | 100% | 21-Nov-13 | 04-Dec-13 | 17-Nov-13 A | 01-Dec-13 A | |
| NHT0240 | Submittals Schedule | 10d | 100% | 17-Nov-13 | 28-Nov-13 | 17-Nov-13 A | 07-Jan-14 A | |
| NHT0410 | Trench safety plan | 10d | 100% | 29-Dec-13 | 12-Jan-14 | 19-Nov-13 A | 06-Feb-14 A | |
| NHT0280 | Safety Plan | 10d | 100% | 21-Nov-13 | 04-Dec-13 | 19-Nov-13 A | 09-Jan-14 A | |
| NHT0180 | Testing Lab | 10d | 100% | 14-Nov-13 | 27-Nov-13 | 20-Nov-13 A | 24-Nov-13 A | |
| NHT0330 | Risk Management Plan | 10d | 100% | 24-Nov-13 | 05-Dec-13 | 22-Nov-13 A | 05-Jan-14 A | |
| NHT0230 | Insurances | 10d | 100% | 17-Nov-13 | 28-Nov-13 | 24-Nov-13 A | 05-Dec-13 A | |
| NHT0260 | Coordination with local Authorities Plan including list of permits & and licenses | 10d | 100% | 20-Nov-13 | 03-Dec-13 | 26-Nov-13 A | 03-Dec-13 A | |
| NHT0265 | Temporary and Permanent Project Sign Plan | 10d | 100% | 20-Nov-13 | 03-Dec-13 | 03-Dec-13 A | 09-Dec-13 A | |
| NHT0390 | CPM-Construction Schedule and S-Curve | 10d | 100% | 03-Dec-13 | 16-Dec-13 | 03-Dec-13 A | 24-Mar-14 A | |
| NHT0250 | Subcontractors' profile | 10d | 100% | 18-Nov-13 | 01-Dec-13 | 22-Dec-13 A | 30-Dec-13 A | |
| NHT0320 | Dilapidation Survey | 10d | 100% | 24-Nov-13 | 05-Dec-13 | 22-Dec-13 A | 07-Jan-14 A | |
| NHT0220 | Key Personnel Plan | 10d | 100% | 17-Nov-13 | 28-Nov-13 | 25-Dec-13 A | 30-Dec-13 A | |
| NHT0270 | QCP-Quality Control Program | 10d | 100% | 21-Nov-13 | 04-Dec-13 | 25-Dec-13 A | 14-Jan-14 A | |
| NHT0350 | USAID Branding Plan | 10d | 100% | 26-Nov-13 | 09-Dec-13 | 25-Dec-13 A | 20-Feb-14 A | |
| NHT0370 | Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys.,&R. mark | 10d | 100% | 03-Dec-13 | 16-Dec-13 | 29-Dec-13 A | 23-Jan-14 A | |
| NHT0380 | Environmental Mitigation Plan | 10d | 100% | 03-Dec-13 | 16-Dec-13 | 29-Dec-13 A | 07-Jan-14 A | |
| NHT0340 | Existing Survey Plan | 10d | 100% | 25-Nov-13 | 08-Dec-13 | 05-Jan-14 A | 21-Jan-14 A | |
| NHT0360 | Material Staging ,Storage and dumping Areas Plan | 10d | 100% | 02-Dec-13 | 15-Dec-13 | 09-Jan-14 A | 21-Jan-14 A | |
| NHT0450 | Welder Qualification procedure | 10d | 100% | 05-Jan-14 | 16-Jan-14 | 21-Jan-14 A | 31-Mar-14 A | |
| NHT0430 | Welding procedure | 10d | 100% | 31-Dec-13 | 14-Jan-14 | 23-Jan-14 A | 20-Mar-14 A | |
| NHT0400 | Traffic Control Plan Phase IA | 10d | 100% | 05-Dec-13 | 18-Dec-13 | 23-Jan-14 A | 10-Feb-14 A | |
| NHT0420 | Public relation plan | 10d | 100% | 30-Dec-13 | 13-Jan-14 | 27-Jan-14 A | 03-Feb-14 A | |
| NHT0440 | Third party testing lab | 10d | 100% | 02-Jan-14 | 15-Jan-14 | 27-Jan-14 A | 30-Jan-14 A | |
| NHT0402-NEW | Traffic Control Plan - Phase 1B-Segment A from St. 0+000 to St. 1+450 | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 16-Feb-14 A | 25-Mar-14 A | |
| NHT0401-NEW | Traffic Control Plan Phase II | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 17-Feb-14 A | 22-Feb-14 A | |
| NHT0431-NEW | 3 inch Procedure Qualification Record(PQR) | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 20-Feb-14 A | 24-Feb-14 A | |
| NHT0436-NEW | Radiographic Testing Safety Plan | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 04-Mar-14 A | 31-Mar-14 A | |
| NHT0432-NEW | 6 inch and over Procedure Qualification Record (PQR) | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 05-Mar-14 A | 20-Mar-14 A | |
| NHT0433-NEW | 8-12 inch Procedure Qualification Record (PQR) | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 05-Mar-14 A | 12-Mar-14 A | |
| NHT0455 | R.T. testing agency qualifications | 10d | 100% | 19-Jan-14 | 30-Jan-14 | 15-Mar-14 A | 20-Mar-14 A | |
| NHT0435-NEW | Stockpile area for excavated material | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 17-Mar-14 A | 27-Mar-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

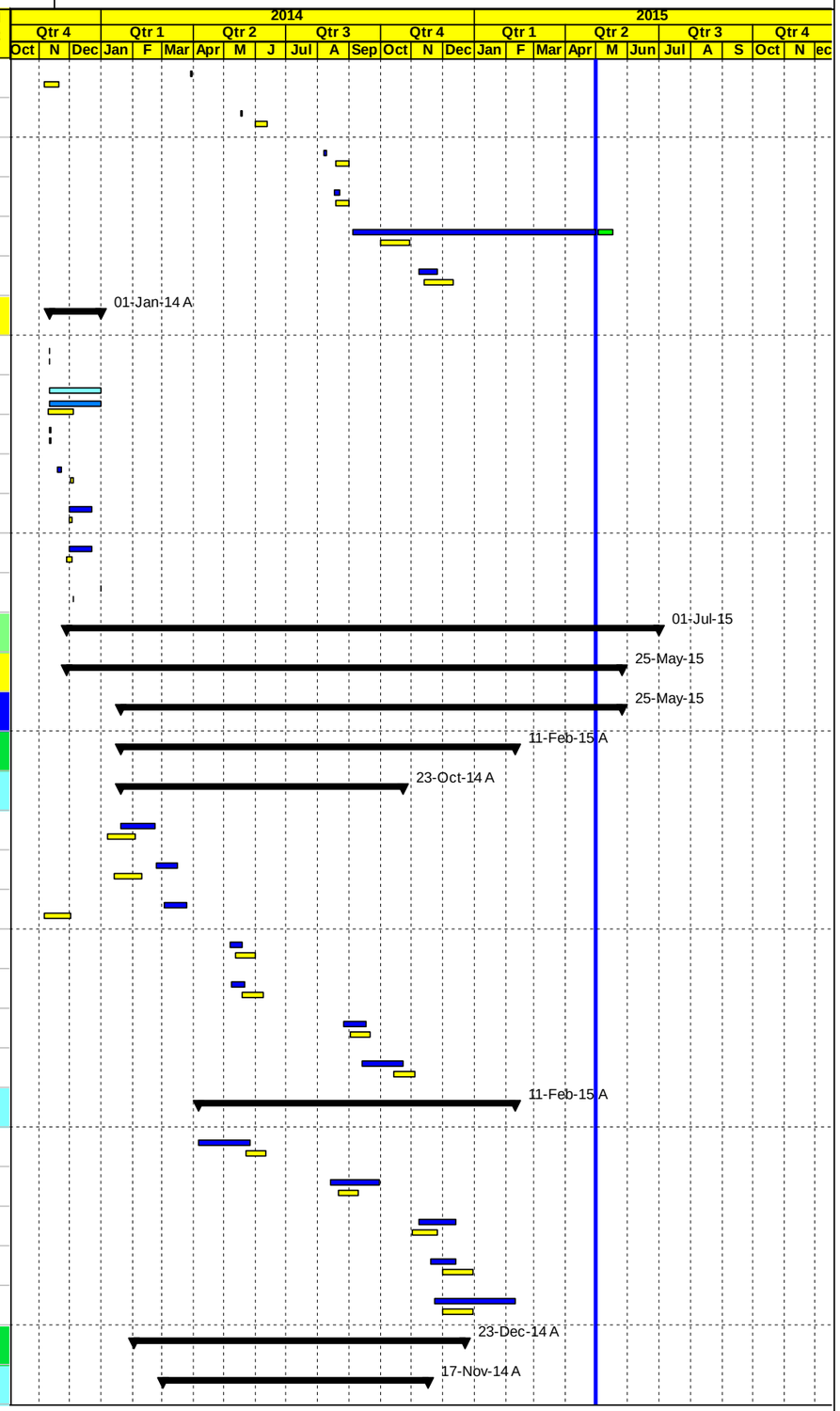
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT0434-NEW | Welders Performance Qualification Certificates | 10d | 100% | 06-Nov-13 | 19-Nov-13 | 29-Mar-14 A | 31-Mar-14 A | |
| NHT0500-NEW | Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A | 10d | 100% | 01-Jun-14 | 12-Jun-14 | 18-May-14 A | 19-May-14 A | |
| NHT0510-NEW | Traffic Control Plan from Sta.A1+940 to Sta.A2+270 -Segment A | 10d | 100% | 18-Aug-14 | 31-Aug-14 | 07-Aug-14 A | 10-Aug-14 A | |
| NHT0520-NEW | Husan Western Entrance Road Traffic Management Plan (Phases 03&05) | 10d | 100% | 18-Aug-14 | 31-Aug-14 | 17-Aug-14 A | 22-Aug-14 A | |
| NHT2020-NEW | pressure test, disinfection and chlorine plan for water pipelines | 21d | 50% | 01-Oct-14 | 29-Oct-14 | 04-Sep-14 A | 17-May-15 | 10d |
| NHT2025-NEW | Traffic Control Plan from Sta.0+000 to Sta 1+367 -Segment E | 21d | 100% | 13-Nov-14 | 11-Dec-14 | 08-Nov-14 A | 26-Nov-14 A | |
| **Mobilization** | | 22d | | 10-Nov-13 | 04-Dec-13 | 11-Nov-13 A | 01-Jan-14 A | |
| NHT0500 | Site Hand Over | 1d | 100% | 11-Nov-13 | 11-Nov-13 | 11-Nov-13 A | 11-Nov-13 A | |
| NHT0480 | Mobilization Total Cost (4.0%) | 22d | 100% | 10-Nov-13 | 04-Dec-13 | 11-Nov-13 A | 01-Jan-14 A | |
| NHT0510 | Checking With CMC Existing-Bench Marks, Survey Control Points | 2d | 100% | 11-Nov-13 | 12-Nov-13 | 11-Nov-13 A | 12-Nov-13 A | |
| NHT0540 | Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials) | 3d | 100% | 02-Dec-13 | 04-Dec-13 | 19-Nov-13 A | 23-Nov-13 A | |
| NHT0530 | Supply and install Office IT Equipments & Applience | 4d | 100% | 30-Nov-13 | 03-Dec-13 | 30-Nov-13 A | 22-Dec-13 A | |
| NHT0520 | Supply and install Office Furniture's and Supplies | 4d | 100% | 28-Nov-13 | 02-Dec-13 | 30-Nov-13 A | 22-Dec-13 A | |
| NHT0550 | Install Temporary Project Sign | 1d | 100% | 04-Dec-13 | 04-Dec-13 | 01-Jan-14 A | 01-Jan-14 A | |
| **Construction Phase** | | 603d | | 06-Nov-13 | 29-May-15 | 28-Nov-13 A | 01-Jul-15 | -33d |
| **Construction Submittals** | | 566d | | 06-Nov-13 | 11-Mar-15 | 28-Nov-13 A | 25-May-15 | 4d |
| **Shop Drawing Submittals** | | 566d | | 06-Nov-13 | 11-Mar-15 | 20-Jan-14 A | 25-May-15 | 4d |
| **Plan Profile and Cross Sections** | | 350d | | 06-Nov-13 | 30-Dec-14 | 20-Jan-14 A | 11-Feb-15 A | |
| **Plan Profile and Cross Sections for Seg. A** | | 315d | | 06-Nov-13 | 03-Nov-14 | 20-Jan-14 A | 23-Oct-14 A | |
| NHT0590 | SEG.A From Sta.0+000 Ato Sta.1+440 | 21d | 100% | 06-Jan-14 | 03-Feb-14 | 20-Jan-14 A | 22-Feb-14 A | |
| NHT0650 | SEG.A From Sta.A3+850to Sta.A5+700 | 21d | 100% | 13-Jan-14 | 09-Feb-14 | 24-Feb-14 A | 17-Mar-14 A | |
| NHT0651-NEW | SEG.A From Sta.3+330 to Sta.3+850 | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 03-Mar-14 A | 25-Mar-14 A | |
| NHT0600 | SEG.A From Sta.-A1+500 to A2+250 | 21d | 100% | 12-May-14 | 31-May-14 | 07-May-14 A | 19-May-14 A | |
| NHT0610 | SEG.A From Sta. 2+250 to Sta.A3+330 | 21d | 100% | 19-May-14 | 08-Jun-14 | 08-May-14 A | 21-May-14 A | |
| NHT0660 | SEG.A From Sta.A5+700 to Sta. 7+050 | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 26-Aug-14 A | 18-Sep-14 A | |
| NHT0670 | SEG.A From Sta. 7+050 to Sta. A8+203 | 21d | 100% | 14-Oct-14 | 03-Nov-14 | 14-Sep-14 A | 23-Oct-14 A | |
| **Plan Profile and Cross Sections for Seg.B,C,D,E , Hussan and Battir** | | 187d | | 22-May-14 | 30-Dec-14 | 06-Apr-14 A | 11-Feb-15 A | |
| NHT0680 | SEG.B From Sta. B0+000 to Sta. B0+980 | 21d | 100% | 22-May-14 | 10-Jun-14 | 06-Apr-14 A | 26-May-14 A | |
| NHT0630 | Design and shop drawing for SEG. E From Sta. E0+000 to Sta.E1+367 | 21d | 100% | 21-Aug-14 | 09-Sep-14 | 14-Aug-14 A | 30-Sep-14 A | |
| NHT0620 | Seg.C From sta.C0+000 to C0+329.8 | 21d | 100% | 01-Nov-14 | 26-Nov-14 | 08-Nov-14 A | 14-Dec-14 A | |
| NHT0640-new | Simple Access at Sta.E0+900 LHS From Sta.0+000 To Sta.0+109-Segment E | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 20-Nov-14 A | 14-Dec-14 A | |
| NHT0690-new | Simple Access at Sta.B0+185 LHS From Sta.0+000 To Sta.0+150-Segment B | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 24-Nov-14 A | 11-Feb-15 A | |
| **Waterline** | | 379d | | 06-Nov-13 | 11-Feb-15 | 02-Feb-14 A | 23-Dec-14 A | |
| **Waterline for Seg. A** | | 333d | | 06-Nov-13 | 26-Nov-14 | 02-Mar-14 A | 17-Nov-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

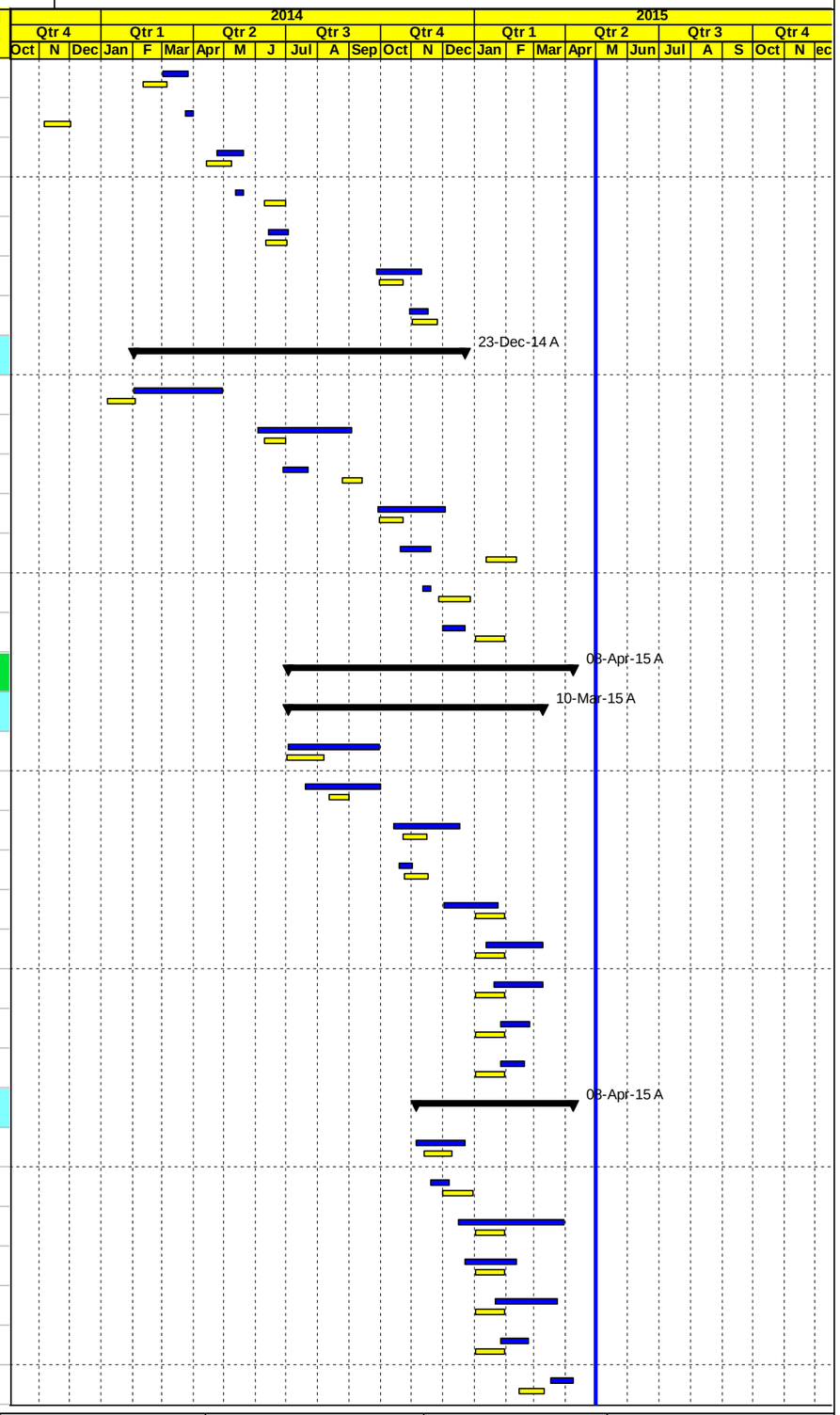
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT0740 | 250 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+850 to Sta.A5+700 | 21d | 100% | 10-Feb-14 | 05-Mar-14 | 02-Mar-14 A | 27-Mar-14 A | |
| NHT0741-NEW | 250 mm & 50 mm Dia. Waterline Seg. A From Sta.3+350 to Sta.3+850 -Segment A | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 24-Mar-14 A | 01-Apr-14 A | |
| NHT0705 | 300 mm & 75 mm Dia. Waterline Seg. A From Sta.A0+100 to Sta.A1+400 | 21d | 100% | 14-Apr-14 | 08-May-14 | 24-Apr-14 A | 20-May-14 A | |
| NHT0720 | 50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300 | 21d | 100% | 10-Jun-14 | 30-Jun-14 | 12-May-14 A | 20-May-14 A | |
| NHT0715 | 75 mm Dia. Waterline Seg. A From Sta.A2+260- A1+440 | 21d | 100% | 11-Jun-14 | 02-Jul-14 | 14-Jun-14 A | 03-Jul-14 A | |
| NHT0745 | 200 mm, 150 mm & 100 mm Dia. Waterline Seg. A From Sta.A5+700 to Sta. 7+000 | 21d | 100% | 30-Sep-14 | 23-Oct-14 | 28-Sep-14 A | 11-Nov-14 A | |
| NHT0755 | Waterline Seg. A From Sta.7+000 to Sta.7+425-Segment A | 21d | 100% | 01-Nov-14 | 26-Nov-14 | 30-Oct-14 A | 17-Nov-14 A | |
| **Waterline for Seg.B,C,D,E , Hussan and Battir** | | 335d | | 06-Jan-14 | 11-Feb-15 | 02-Feb-14 A | 23-Dec-14 A | |
| NHT0700 | 300 mm Dia. Waterline SEG. D From Sta.D0+515 to Sta.D0+000 | 21d | 100% | 06-Jan-14 | 03-Feb-14 | 02-Feb-14 A | 30-Apr-14 A | |
| NHT0710-new | Concrete support details from Sta.0+000 to Sta.0+510- Segment D | 21d | 100% | 10-Jun-14 | 30-Jun-14 | 04-Jun-14 A | 03-Sep-14 A | |
| NHT0750 | 100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985 | 21d | 100% | 24-Aug-14 | 13-Sep-14 | 28-Jun-14 A | 22-Jul-14 A | |
| NHT0755-new | Waterline From Sta.-0+038 To Sta.1+400-Segment E | 21d | 100% | 30-Sep-14 | 23-Oct-14 | 29-Sep-14 A | 04-Dec-14 A | |
| NHT0735 | 150 mm Dia. Waterline for Battir distribution pipe from Sta.0+000 to Sta.1+040 | 21d | 100% | 13-Jan-15 | 11-Feb-15 | 21-Oct-14 A | 20-Nov-14 A | |
| NHT0725 | 200 mm & 100 mm Dia. waterline SEG.C from sta. 0+000 to st. C0+330 | 21d | 100% | 27-Nov-14 | 28-Dec-14 | 12-Nov-14 A | 20-Nov-14 A | |
| NHT0730 | 100 mm from Sta.0+000 to Sta.0+600 -Husan Water Pipeline | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 02-Dec-14 A | 23-Dec-14 A | |
| **Valves (Mechanical and Civil Chambers)** | | 234d | | 02-Jul-14 | 11-Mar-15 | 03-Jul-14 A | 08-Apr-15 A | |
| **Seg. A** | | 170d | | 02-Jul-14 | 31-Jan-15 | 03-Jul-14 A | 10-Mar-15 A | |
| NHT0805 | Structural & Mechanical Detail For Valve Chambers from Sta. 0+000 to Sta. 1+400 and from Sta.3+320 to Sta. 5+800 | 21d | 100% | 02-Jul-14 | 07-Aug-14 | 03-Jul-14 A | 30-Sep-14 A | |
| NHT0810 | 300 mm flow monitoring chamber @ Sta. A0+720 | 21d | 100% | 11-Aug-14 | 31-Aug-14 | 20-Jul-14 A | 02-Oct-14 A | |
| NHT0815 | Flow monitoring chamber @ Sta. A5+365 | 21d | 100% | 23-Oct-14 | 16-Nov-14 | 15-Oct-14 A | 18-Dec-14 A | |
| NHT0840-new | Structural & Mechanical Detail For Flow Chambers Typical Section (G.V, Washout,ARV) | 21d | 100% | 25-Oct-14 | 17-Nov-14 | 20-Oct-14 A | 02-Nov-14 A | |
| NHT0819-new | Struct.& Mech. for Combination 200mm G.V&150mm W.O @ 6+200& Combination Three 200mm G.V with 80mm ARV @St.7+390-Seg. A | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 03-Dec-14 A | 25-Jan-15 A | |
| NHT0850-new | Struct.&Mech for: Indirect 100mm ARV@ St.E0+355 , Indirect 25 mmWO@ Sta.E0+590&Direct 100mm ARVat St.E1+020 -Seg. E | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 13-Jan-15 A | 10-Mar-15 A | |
| NHT0855-new | Struct.&Mech. for: Direct 80mm ARV@St.A 5+995 , Indirect 50mm ARV@ St.A7+077&Direct 80mm ARVat St.A7+080 -Seg. A | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 21-Jan-15 A | 10-Mar-15 A | |
| NHT0870-new | Struct.&Mech.for:1.Hussan PRVat A6+200, 2.Combined 2" ARV&4" G.V& 2" G.Vat H0+020,3.Combined 2"ARV&4" G.Vat H0+330 | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 27-Jan-15 A | 25-Feb-15 A | |
| NHT0875-new | Structural and Mechanical Detail for Hand hole Typical Section | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 27-Jan-15 A | 19-Feb-15 A | |
| **Seg.B,C,D, E, Hussan and Battir** | | 119d | | 13-Nov-14 | 11-Mar-15 | 05-Nov-14 A | 08-Apr-15 A | |
| NHT0835 | Wadi Fukin connection chamber @ Sta. B0+955 | 21d | 100% | 13-Nov-14 | 10-Dec-14 | 05-Nov-14 A | 23-Dec-14 A | |
| NHT0845-new | Structural & Mechanical Detail For Combination Butterfly with ARV-Seg D @ Sta.0+506 | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 20-Nov-14 A | 08-Dec-14 A | |
| NHT0825-new | Structural & Mechanical Detail for Hussan Connection Chambers @Sta. A7+330 | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 17-Dec-14 A | 30-Mar-15 A | |
| NHT0830 | Battir Connection chamber @ Sta.A7+420 | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 23-Dec-14 A | 12-Feb-15 A | |
| NHT0860-new | Structural and Mechanical Detail for Battir PRV Chamber at Sta.B0+950 | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 22-Jan-15 A | 24-Mar-15 A | |
| NHT0865-new | Struct.&Mech.Detail for :75mm W.O at Battir St.B0+915, 50mm ARV at Battir St.B1+030&50 mm ARVat St.A7+930 | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 27-Jan-15 A | 23-Feb-15 A | |
| NHT0820 | Nahaleen connection chamber @ Sta. E0+460 | 21d | 100% | 14-Feb-15 | 11-Mar-15 | 18-Mar-15 A | 08-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

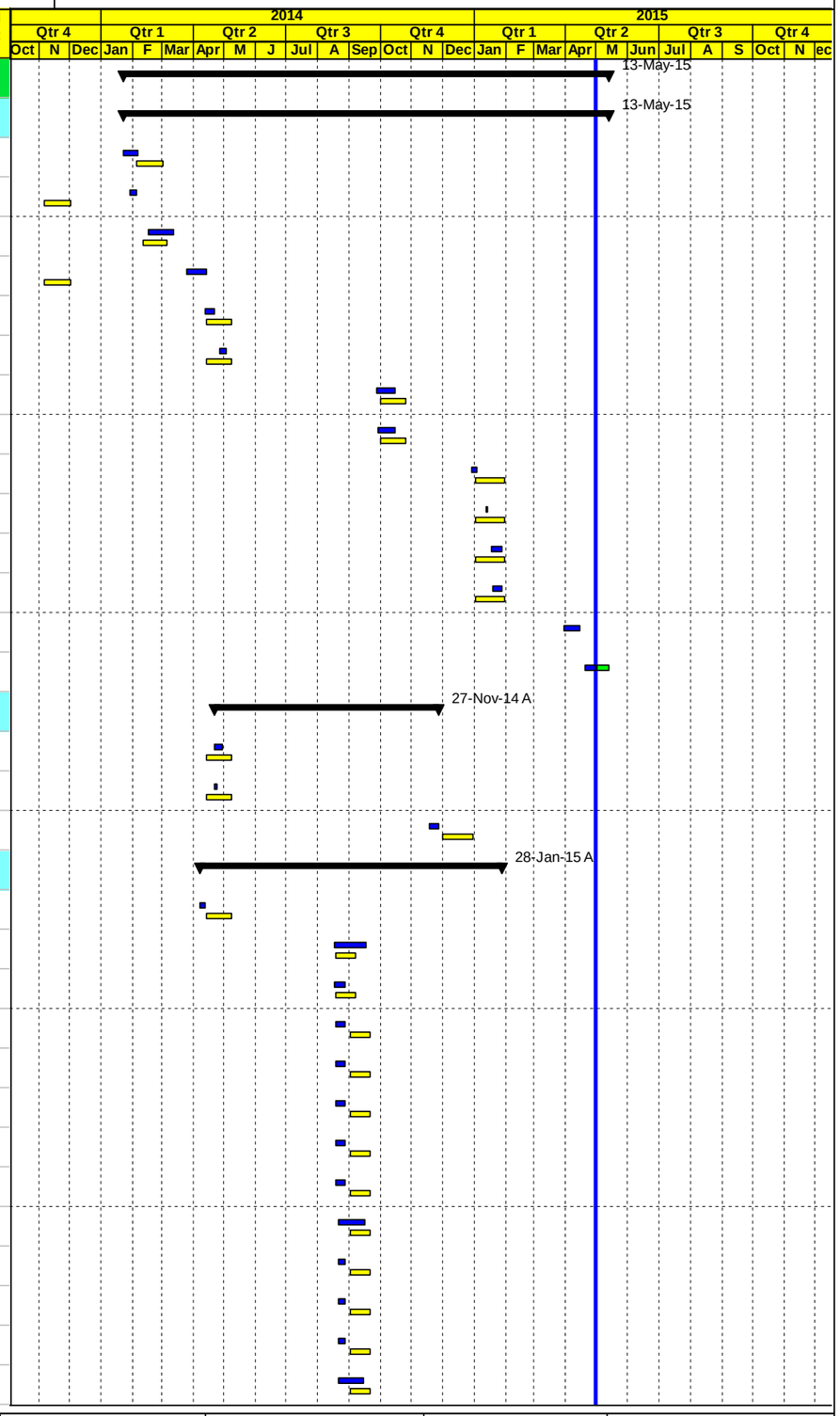
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Concrete walls** | | 464d | | 06-Nov-13 | 31-Jan-15 | 23-Jan-14 A | 13-May-15 | 15d |
| **Seg. A** | | 464d | | 06-Nov-13 | 31-Jan-15 | 23-Jan-14 A | 13-May-15 | 15d |
| NHT0870 | Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM) | 21d | 100% | 04-Feb-14 | 01-Mar-14 | 23-Jan-14 A | 06-Feb-14 A | |
| NHT0941-NEW | Formwork System for Retaining Work | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 29-Jan-14 A | 04-Feb-14 A | |
| NHT0890 | Retaining wall from Sta. A0+477 to A0+615 LHS (138 LM) | 21d | 100% | 10-Feb-14 | 05-Mar-14 | 16-Feb-14 A | 12-Mar-14 A | |
| NHT0891-NEW | Retaining Wall from Sta.0+640 to Sta.0+770 LHS (130 LM) | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 26-Mar-14 A | 14-Apr-14 A | |
| NHT0943-NEW | Retaining Wall from Sta.0+790 to Sta.0+835 LHS | 21d | 100% | 14-Apr-14 | 08-May-14 | 13-Apr-14 A | 22-Apr-14 A | |
| NHT0994-NEW | One Side Shutter Wall from St.0+480-St.0+574 LHSfrom St.0+614-St.0+790 LHS and from St.0+827-St.0+930 LHS | 21d | 100% | 14-Apr-14 | 08-May-14 | 27-Apr-14 A | 04-May-14 A | |
| NHT1093-NEW | Retaining Wall From Sta.6+505 to Sta.6+560 LHS& Sta.6+574to Sta.6+603 LHS- Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 28-Sep-14 A | 16-Oct-14 A | |
| NHT1095-NEW | Retaining Wall From Sta.6+761 To Sta.6+795 LHS& From Sta.6+920 To Sta.6+932 LHS-Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 29-Sep-14 A | 16-Oct-14 A | |
| NHT1120-NEW | Retaining Wall from Sta.7+530 to Sta.7+564 LHS -Segment A | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 30-Dec-14 A | 04-Jan-15 A | |
| NHT1130-NEW | Retaining Wall from Sta.7+355 to Sta.7+393.4 LHS | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 13-Jan-15 A | 15-Jan-15 A | |
| NHT1135-NEW | Retaining Wall from Sta.7+475 to Sta.7+488 LHS | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 18-Jan-15 A | 28-Jan-15 A | |
| NHT1140-NEW | Retaining Wall from Sta.7+170 to Sta.7+191.2 LHS | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 20-Jan-15 A | 28-Jan-15 A | |
| NHT1142-NEW | One Side Shuttering Wall from Sta.7+651.68 to Sta.7+755 LHS | 21d | 100% | | | 30-Mar-15 A | 15-Apr-15 A | |
| NHT1144-NEW | Boundary Wall from Sta.7+509.3 to Sta.7+534.8 LHS and Boundary Wall from Sta.7+675.4 to Sta.7+687.5 RHS | 21d | 50% | | | 20-Apr-15 A | 13-May-15 | 15d |
| **Seg. B** | | 222d | | 14-Apr-14 | 30-Dec-14 | 22-Apr-14 A | 27-Nov-14 A | |
| NHT0892-NEW | Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS | 21d | 100% | 14-Apr-14 | 08-May-14 | 22-Apr-14 A | 29-Apr-14 A | |
| NHT0993-NEW | Retaining Walls From Sta.B0+471-B0+493.6 LHS&From Sta.B0+506.35-B0+522 LHS & From Sta.B0+523 To B0+529 RHS | 21d | 100% | 14-Apr-14 | 08-May-14 | 22-Apr-14 A | 24-Apr-14 A | |
| NHT1100-NEW | Retaining Wall From Sta0+823 to Sta.0+859 RHS- Segment B | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 19-Nov-14 A | 27-Nov-14 A | |
| **Seg. E** | | 247d | | 14-Apr-14 | 31-Jan-15 | 08-Apr-14 A | 28-Jan-15 A | |
| NHT0942-NEW | Concrete Basement Wall-from Sta. E1+100 to E1+116 RHS (16 LM) | 21d | 100% | 14-Apr-14 | 08-May-14 | 08-Apr-14 A | 13-Apr-14 A | |
| NHT0997-NEW | Boundary Wall from Sta. 0+501.85 TO 0+550 LHS& On Side Shuttering Wall from Sta. 0+550 TO 0+595.29 LHS | 21d | 100% | 18-Aug-14 | 06-Sep-14 | 18-Aug-14 A | 17-Sep-14 A | |
| NHT0998-NEW | Boundary Wall from Sta.0+032 to Sta. 0+063 LHS | 21d | 100% | 18-Aug-14 | 06-Sep-14 | 18-Aug-14 A | 28-Aug-14 A | |
| NHT0999-NEW | Retaining Wall from Sta. 0+639 to Sta. 0+670 LHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1000-NEW | Boundary Wall from Sta.0+637 to Sta. 0+653 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1010-NEW | Boundary Wall from Sta.0+718 to Sta. 0+732 LHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1020-NEW | Boundary Wall from Sta.0+567 to Sta. 0+590 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1030-NEW | Retaining Wall from Sta. 0+812.5 to Sta. 0+839 LHS& Boundary Wall from Sta.0+839 to Sta. 0+850 LHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1050-NEW | Retaining Wall from Sta. 0+754 to Sta. 0+774 LHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 16-Sep-14 A | |
| NHT1060-NEW | Boundary Wall from Sta.0+818 to Sta. 0+884.3 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1070-NEW | Retaining Wall from Sta. 0+045 to Sta. 0+083 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1080-NEW | Boundary Wall from Sta.0+200 to Sta. 0+246 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1090-NEW | Boundary Wall from Sta.0+948 to Sta. 0+963 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 15-Sep-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

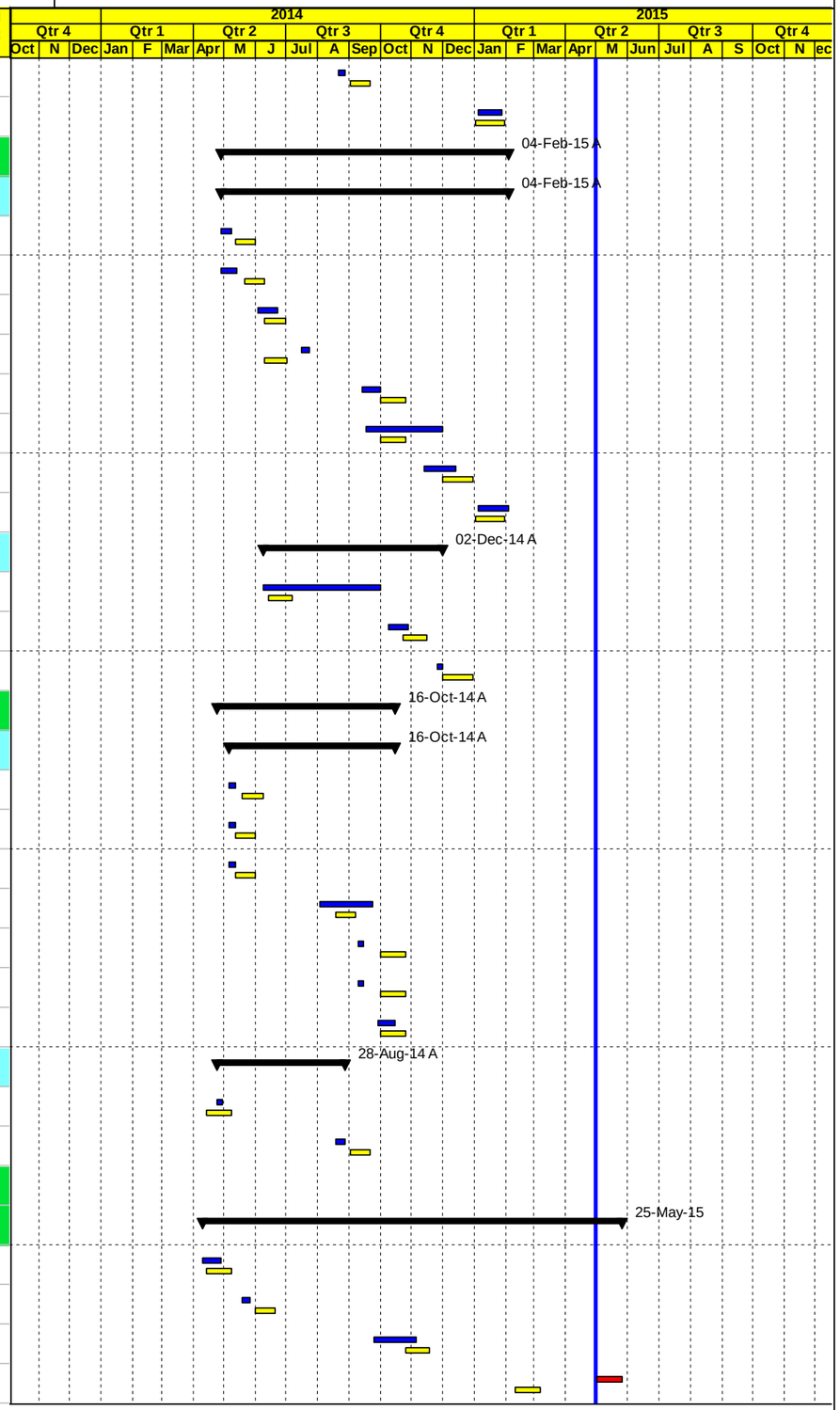
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1040-NEW | Boundary Wall from Sta.1+050 to Sta. 1+120 RHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1125-NEW | Retaining Wall from Sta.0+886.8 to Sta.0+894.6 LHS-Segment E | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 05-Jan-15 A | 28-Jan-15 A | |
| **Pipe and Box Culverts** | | 224d | | 12-May-14 | 31-Jan-15 | 28-Apr-14 A | 04-Feb-15 A | |
| **Pipe and Box Culverts** | | 224d | | 12-May-14 | 31-Jan-15 | 28-Apr-14 A | 04-Feb-15 A | |
| NHT0960 | box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+614.0 LHS | 21d | 100% | 12-May-14 | 31-May-14 | 28-Apr-14 A | 08-May-14 A | |
| NHT0970 | box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980 LHS | 21d | 100% | 21-May-14 | 09-Jun-14 | 28-Apr-14 A | 14-May-14 A | |
| NHT1015 | Dia.1000 mm of double pipe culvert @ Sta.A5+469 | 21d | 100% | 10-Jun-14 | 30-Jun-14 | 04-Jun-14 A | 23-Jun-14 A | |
| NHT0980 | Tripple Pipe Culvert ST.1+356 & R.W ST.1+260 -1+380 LHS & One side Shutterring Wall ST.1+380-1+400 LHS | 21d | 100% | 10-Jun-14 | 01-Jul-14 | 16-Jul-14 A | 24-Jul-14 A | |
| NHT1080 | Pipe Culvert at Sta.3+281.3-Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 14-Sep-14 A | 02-Oct-14 A | |
| NHT1030 | Dia.800 mm of pipe culvert @ Sta.A6+197 | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 17-Sep-14 A | 02-Dec-14 A | |
| NHT1055-new | Pipe Culvert At Sta.7+792.4-Segment A | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 13-Nov-14 A | 14-Dec-14 A | |
| NHT0990-new | Pipe Culvert at Sta.0+584.7 - Segment E | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 05-Jan-15 A | 04-Feb-15 A | |
| **Storm concrete drainage system** | | 164d | | 14-Jun-14 | 30-Dec-14 | 08-Jun-14 A | 02-Dec-14 A | |
| NHT1060 | Storm concrete drainage system from sta. from Sta.0+710 to Sta.0+950-Segment B | 21d | 100% | 14-Jun-14 | 07-Jul-14 | 08-Jun-14 A | 02-Oct-14 A | |
| NHT1040 | Storm concrete drainage system SEG.A From sta. A5+800 to A6+040 | 21d | 100% | 23-Oct-14 | 16-Nov-14 | 09-Oct-14 A | 29-Oct-14 A | |
| NHT1065-new | Storm Water from Sta.6+200 to Sta.6+330 -Segment A | 21d | 100% | 01-Dec-14 | 30-Dec-14 | 26-Nov-14 A | 02-Dec-14 A | |
| **Stone Walls** | | 178d | | 14-Apr-14 | 25-Oct-14 | 24-Apr-14 A | 16-Oct-14 A | |
| **Seg. A** | | 154d | | 12-May-14 | 25-Oct-14 | 06-May-14 A | 16-Oct-14 A | |
| NHT1070 | S.W from Sta.0+980 to Sta.1+078 RHS,from Sta.1+083 to Sta.1+350 RHS & from Sta.0+980 to Sta.1+070 LHS -Segment A | 21d | 100% | 19-May-14 | 08-Jun-14 | 06-May-14 A | 12-May-14 A | |
| NHT1082-NEW | Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A | 21d | 100% | 12-May-14 | 31-May-14 | 06-May-14 A | 12-May-14 A | |
| NHT1083-NEW | Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A | 21d | 100% | 12-May-14 | 31-May-14 | 06-May-14 A | 12-May-14 A | |
| NHT1084-NEW | Stone Walls from Sta.3+500 to Sta.3+540 RHS and from Sta.3+360 to Sta.3+420 RHS | 21d | 100% | 18-Aug-14 | 06-Sep-14 | 03-Aug-14 A | 24-Sep-14 A | |
| NHT1086-NEW | Stone Wall from Sta.3+270 to Sta. 3+300 RHS-Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 15-Sep-14 A | |
| NHT1087-NEW | Stone Wall from Sta.1+200 to Sta. 1+250 LHS-Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 15-Sep-14 A | |
| NHT1088-NEW | Stone Wall From Sta.6+706 To Sta.6+730 RHS-Segment A | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 29-Sep-14 A | 16-Oct-14 A | |
| **Seg.B& E** | | 145d | | 14-Apr-14 | 20-Sep-14 | 24-Apr-14 A | 28-Aug-14 A | |
| NHT1081-NEW | Stone Walls_Segment B | 21d | 100% | 14-Apr-14 | 08-May-14 | 24-Apr-14 A | 29-Apr-14 A | |
| NHT1085-NEW | Stone Wall from Sta. 0+130 to Sta. 0+170 LHS-Segment E | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 19-Aug-14 A | 28-Aug-14 A | |
| **Concrete curbstone and side walk** | | 0d | | | | | | 0d |
| **Others** | | 340d | | 14-Apr-14 | 07-Mar-15 | 10-Apr-14 A | 25-May-15 | -11d |
| NHT1150-new | 10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700 | 21d | 100% | 14-Apr-14 | 08-May-14 | 10-Apr-14 A | 28-Apr-14 A | |
| NHT1151-new | 12" pipeline Mitered Bends Schedule and fabrication for -Segment D | 21d | 100% | 01-Jun-14 | 19-Jun-14 | 19-May-14 A | 27-May-14 A | |
| NHT1130 | CONC.Ditch Plan From Sta.0+120 to Sta.0+480 & From Sta.3+320 to Sta.3+850 | 21d | 100% | 25-Oct-14 | 18-Nov-14 | 25-Sep-14 A | 06-Nov-14 A | |
| NHT1140 | Road furnishing/Guard Rail | 21d | 0% | 10-Feb-15 | 07-Mar-15 | 02-May-15 | 25-May-15 | -11d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

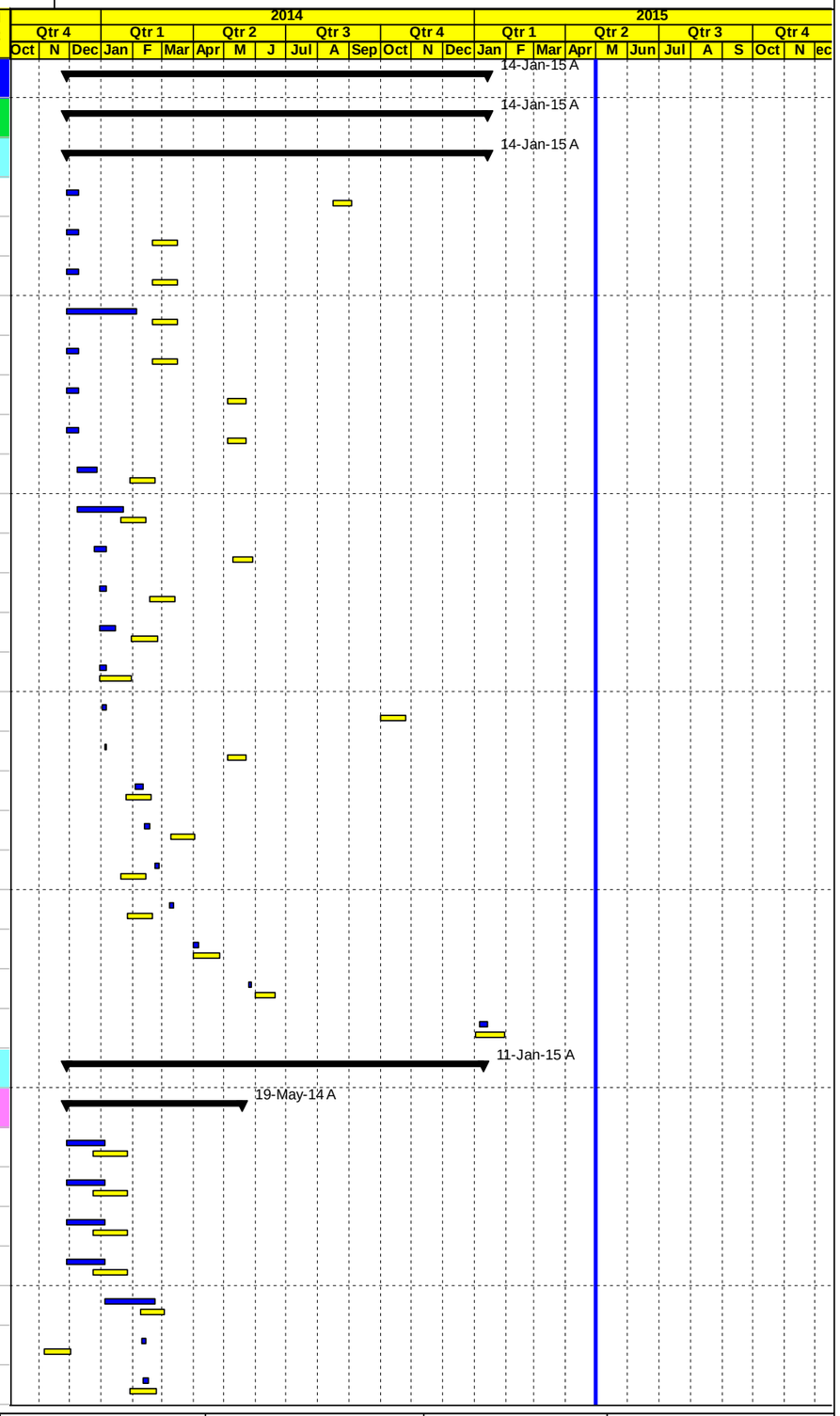
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Material Submittals** | | 375d | | 06-Nov-13 | 31-Jan-15 | 28-Nov-13 A | 14-Jan-15 A | |
| **Material Submittals including Manufacturers Qualifications , Shop Test, Product Data** | | 375d | | 06-Nov-13 | 31-Jan-15 | 28-Nov-13 A | 14-Jan-15 A | |
| **Material Submittals Roads** | | 336d | | 30-Dec-13 | 31-Jan-15 | 28-Nov-13 A | 14-Jan-15 A | |
| NHT1420-new | Asphalt Mix Design -Wearing Asphalt 3/4 inch | 21d | 100% | 16-Aug-14 | 03-Sep-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1260 | Prime Coat | 21d | 100% | 19-Feb-14 | 16-Mar-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1270 | Tack Coat | 21d | 100% | 19-Feb-14 | 16-Mar-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1280 | Bituminous Binder Course-Mix Design | 21d | 100% | 19-Feb-14 | 16-Mar-14 | 28-Nov-13 A | 04-Feb-14 A | |
| NHT1290 | Bituminous Wearing Course-Mix Design | 21d | 100% | 19-Feb-14 | 16-Mar-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1370 | Thermoplastic paint | 21d | 100% | 04-May-14 | 22-May-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1360 | Cat eyes | 21d | 100% | 04-May-14 | 22-May-14 | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1230 | Base Course Source | 21d | 100% | 28-Jan-14 | 22-Feb-14 | 08-Dec-13 A | 28-Dec-13 A | |
| NHT1180 | Concrete Mix Design including cement type | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 08-Dec-13 A | 22-Jan-14 A | |
| NHT1400 | Curbstone paint material | 21d | 100% | 10-May-14 | 28-May-14 | 25-Dec-13 A | 06-Jan-14 A | |
| NHT1250 | Curbstone | 21d | 100% | 17-Feb-14 | 13-Mar-14 | 30-Dec-13 A | 06-Jan-14 A | |
| NHT1240 | Concrete Pipes | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 30-Dec-13 A | 15-Jan-14 A | |
| NHT1380 | Guard Rail | 21d | 100% | 30-Dec-13 | 29-Jan-14 | 30-Dec-13 A | 06-Jan-14 A | |
| NHT1350 | Galvanized steel Handrail | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 02-Jan-14 A | 06-Jan-14 A | |
| NHT1390 | Traffic sign | 21d | 100% | 04-May-14 | 22-May-14 | 05-Jan-14 A | 06-Jan-14 A | |
| NHT1200 | Steel Reinforcement | 21d | 100% | 25-Jan-14 | 18-Feb-14 | 03-Feb-14 A | 11-Feb-14 A | |
| NHT1310 | Concrete Repair | 21d | 100% | 10-Mar-14 | 02-Apr-14 | 12-Feb-14 A | 18-Feb-14 A | |
| NHT1190 | Formwork material | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1210 | Precast Concrete Manholes and catch basin | 21d | 100% | 26-Jan-14 | 19-Feb-14 | 09-Mar-14 A | 12-Mar-14 A | |
| NHT1411-new | Concrete curing compound material | 21d | 100% | 01-Apr-14 | 26-Apr-14 | 01-Apr-14 A | 06-Apr-14 A | |
| NHT1412-new | Joint sealant material | 21d | 100% | 01-Jun-14 | 19-Jun-14 | 25-May-14 A | 28-May-14 A | |
| NHT1413-new | Pre cast concrete Curbstone | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 06-Jan-15 A | 14-Jan-15 A | |
| **Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling sch** | | 375d | | 06-Nov-13 | 31-Jan-15 | 28-Nov-13 A | 11-Jan-15 A | |
| **Pipes** | | 149d | | 06-Nov-13 | 08-May-14 | 28-Nov-13 A | 19-May-14 A | |
| NHT1420 | Steel pipeline 300 mm | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1430 | Steel pipeline 200 mm | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1440 | Steel pipeline 150 mm | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1450 | Steel pipeline 100 mm | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1500 | Shrinkable sheet | 21d | 100% | 08-Feb-14 | 03-Mar-14 | 05-Jan-14 A | 22-Feb-14 A | |
| NHT1512-NEW | Mill Certificate and testing reports for 8 inch steel pipe | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 09-Feb-14 A | 13-Feb-14 A | |
| NHT1480 | Bedding material | 21d | 100% | 29-Jan-14 | 23-Feb-14 | 11-Feb-14 A | 16-Feb-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

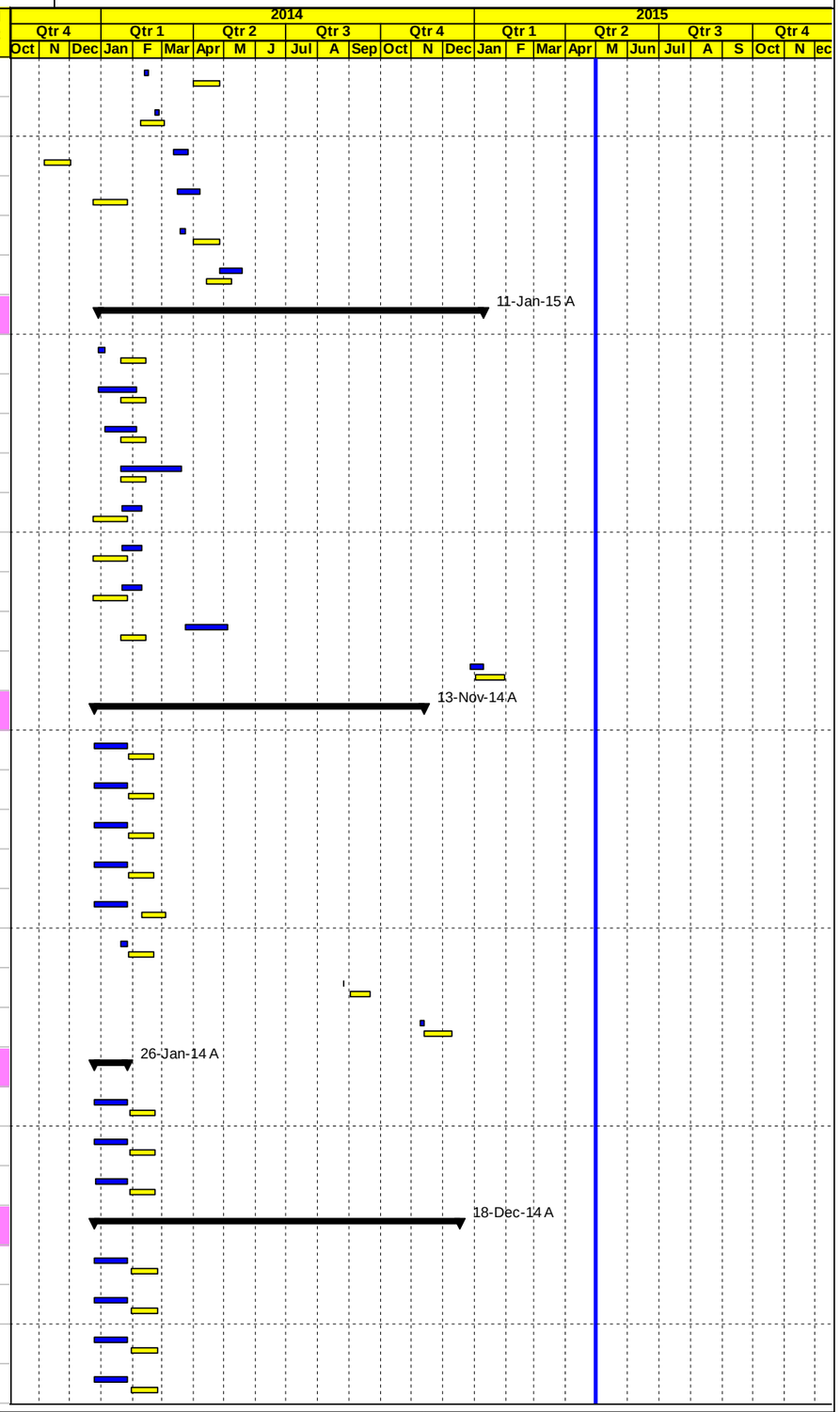
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1490 | Backfilling material (Single size) | 21d | 100% | 01-Apr-14 | 26-Apr-14 | 12-Feb-14 A | 16-Feb-14 A | |
| NHT1510 | Warning tape | 21d | 100% | 08-Feb-14 | 03-Mar-14 | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1511-NEW | Finish paint for exposed pipes/fittings and pipes/fittings inside chambers | 21d | 100% | 06-Nov-13 | 01-Dec-13 | 13-Mar-14 A | 27-Mar-14 A | |
| NHT1460 | Steel pipeline 75 mm | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 16-Mar-14 A | 08-Apr-14 A | |
| NHT1470 | Galvanized Steel pipeline 0.5", 0.75",1",1.5",2" | 21d | 100% | 01-Apr-14 | 26-Apr-14 | 19-Mar-14 A | 24-Mar-14 A | |
| NHT1471-NEW | Pipe Expansion Joint | 21d | 100% | 14-Apr-14 | 08-May-14 | 27-Apr-14 A | 19-May-14 A | |
| **Fittings** | | 340d | | 24-Dec-13 | 31-Jan-15 | 29-Dec-13 A | 11-Jan-15 A | |
| NHT1580 | Mechanical coupling | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 29-Dec-13 A | 05-Jan-14 A | |
| NHT1590 | Dismantling Joint | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 29-Dec-13 A | 05-Feb-14 A | |
| NHT1550 | Flanges | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 05-Jan-14 A | 04-Feb-14 A | |
| NHT1560 | Gaskets | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 20-Jan-14 A | 20-Mar-14 A | |
| NHT1520 | Steel Elbows | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1530 | Steel Tees | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1540 | Steel reducers | 21d | 100% | 24-Dec-13 | 26-Jan-14 | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1570 | Bolts ,washers & nuts | 21d | 100% | 19-Jan-14 | 13-Feb-14 | 24-Mar-14 A | 05-May-14 A | |
| NHT1789-new | Flanged coupling adaptor | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 29-Dec-14 A | 11-Jan-15 A | |
| **Gate Valves** | | 279d | | 27-Jan-14 | 10-Dec-14 | 25-Dec-13 A | 13-Nov-14 A | |
| NHT1600 | Gate valves16 , 200mm | 21d | 100% | 27-Jan-14 | 20-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1610 | Gate valves PN16,150 | 21d | 100% | 27-Jan-14 | 20-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1620 | Gate valves 100. | 21d | 100% | 27-Jan-14 | 20-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1630 | Gate valves 75. | 21d | 100% | 27-Jan-14 | 20-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1650 | Manual Actuator for gate valves | 21d | 100% | 09-Feb-14 | 04-Mar-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1640 | Gate valves 50 | 21d | 100% | 27-Jan-14 | 20-Feb-14 | 20-Jan-14 A | 26-Jan-14 A | |
| NHT1780-NEW | Ball Valve-Tyco F120 for Pressure Gauge | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 26-Aug-14 A | 27-Aug-14 A | |
| NHT1785-NEW | Strainer Ball Valve | 21d | 100% | 13-Nov-14 | 10-Dec-14 | 09-Nov-14 A | 13-Nov-14 A | |
| **Butterfly valves** | | 21d | | 28-Jan-14 | 22-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1660 | Butterfly valves PN40,300 mm | 21d | 100% | 28-Jan-14 | 22-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1670 | Butterfly valves PN40,250 mm | 21d | 100% | 28-Jan-14 | 22-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1680 | Butterfly valves PN25,250 mm | 21d | 100% | 28-Jan-14 | 22-Feb-14 | 26-Dec-13 A | 26-Jan-14 A | |
| **Washout valve** | | 310d | | 30-Jan-14 | 31-Jan-15 | 25-Dec-13 A | 18-Dec-14 A | |
| NHT1690 | Washout gate valve PN40DN250 | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1700 | Washout gate valve PN40DN200 | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1710 | Washout gate valve PN25DN150 | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1720 | PN 16 bar, DN 75 mm washout Gate Valve on DN 150 mm and on DN 100 mm pipelines | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

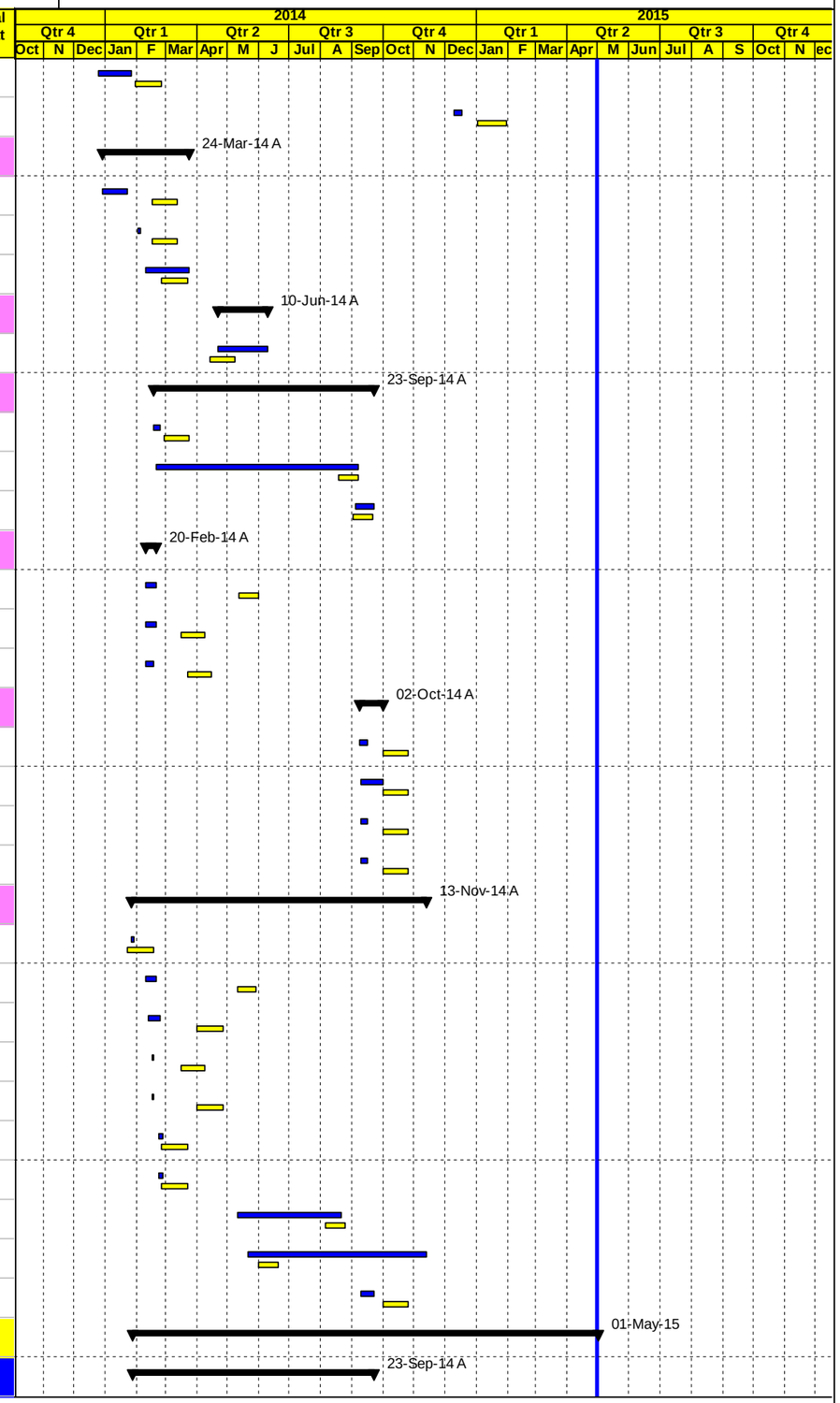
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1730 | PN 16 bar, DN 50 mm washout gate valve on DN 75 and DN 50 mm pipelines | 21d | 100% | 30-Jan-14 | 24-Feb-14 | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1790-new | Washout Flap Valve | 21d | 100% | 03-Jan-15 | 31-Jan-15 | 11-Dec-14 A | 18-Dec-14 A | |
| **Air relief valves and Pressure reducing valve** | | 29d | | 16-Feb-14 | 22-Mar-14 | 29-Dec-13 A | 24-Mar-14 A | |
| NHT1740 | Combination Air relief valves ,PN40,DN100-/PN25,DN80-/PN25,DN50 | 21d | 100% | 16-Feb-14 | 12-Mar-14 | 29-Dec-13 A | 23-Jan-14 A | |
| NHT1750 | Air relief valves | 21d | 100% | 16-Feb-14 | 12-Mar-14 | 02-Feb-14 A | 04-Feb-14 A | |
| NHT1760 | Pressure reducing valves PN40 DN150 | 21d | 100% | 25-Feb-14 | 22-Mar-14 | 09-Feb-14 A | 24-Mar-14 A | |
| **Water meters** | | 21d | | 14-Apr-14 | 08-May-14 | 22-Apr-14 A | 10-Jun-14 A | |
| NHT1770 | Electro-Magnetic water meter | 21d | 100% | 14-Apr-14 | 08-May-14 | 22-Apr-14 A | 10-Jun-14 A | |
| **Manholes and chambers** | | 184d | | 27-Feb-14 | 20-Sep-14 | 18-Feb-14 A | 23-Sep-14 A | |
| NHT1820 | Manhole Cover and Frame. | 21d | 100% | 27-Feb-14 | 24-Mar-14 | 18-Feb-14 A | 24-Feb-14 A | |
| NHT1825-new | Precast Water Manhole | 21d | 100% | 18-Aug-14 | 06-Sep-14 | 20-Feb-14 A | 07-Sep-14 A | |
| NHT1830-new | Pre-cast hand hole manhole for 2" gate valve | 21d | 100% | 01-Sep-14 | 20-Sep-14 | 04-Sep-14 A | 23-Sep-14 A | |
| **Control Valves** | | 70d | | 16-Mar-14 | 31-May-14 | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1880 | Remote Control Monitoring Flow water meterPN40,DN300 | 21d | 100% | 12-May-14 | 31-May-14 | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1890 | Remote Control Monitoring Flow water meter PN40,DN250 | 21d | 100% | 16-Mar-14 | 08-Apr-14 | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1870 | Flow control valves | 21d | 100% | 23-Mar-14 | 15-Apr-14 | 09-Feb-14 A | 17-Feb-14 A | |
| **House Connection** | | 21d | | 01-Oct-14 | 25-Oct-14 | 09-Sep-14 A | 02-Oct-14 A | |
| NHT1910-New | House Connection Check Valve | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 09-Sep-14 A | 16-Sep-14 A | |
| NHT1782-new | House Connection- Pressure Reducing Valve | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 02-Oct-14 A | |
| NHT1990-new | House Connection Strainer | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 16-Sep-14 A | |
| NHT1995-new | House Connection Ball Valve | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 16-Sep-14 A | |
| **Others** | | 248d | | 22-Jan-14 | 25-Oct-14 | 27-Jan-14 A | 13-Nov-14 A | |
| NHT1900 | Strainers. | 21d | 100% | 22-Jan-14 | 17-Feb-14 | 27-Jan-14 A | 29-Jan-14 A | |
| NHT1980 | Earthing grounding system | 21d | 100% | 11-May-14 | 29-May-14 | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1991-NEW | Repairing and application of interior steel pipes cement lining | 21d | 100% | 01-Apr-14 | 26-Apr-14 | 12-Feb-14 A | 24-Feb-14 A | |
| NHT1992-NEW | Bitumen protective coating for underground concrete | 21d | 100% | 16-Mar-14 | 08-Apr-14 | 16-Feb-14 A | 18-Feb-14 A | |
| NHT1993-NEW | Form release agent | 21d | 100% | 01-Apr-14 | 26-Apr-14 | 16-Feb-14 A | 18-Feb-14 A | |
| NHT1920 | Spacers | 21d | 100% | 25-Feb-14 | 22-Mar-14 | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1930 | Tie rods | 21d | 100% | 25-Feb-14 | 22-Mar-14 | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1950 | Pressure gauge with needle valve | 21d | 100% | 05-Aug-14 | 25-Aug-14 | 11-May-14 A | 21-Aug-14 A | |
| NHT2000-NEW | Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays- -Segment D | 21d | 100% | 01-Jun-14 | 19-Jun-14 | 21-May-14 A | 13-Nov-14 A | |
| NHT2030-NEW | Concrete repairing material up to 3mm thickness and method statement | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 10-Sep-14 A | 23-Sep-14 A | |
| **Procurements** | | 385d | | 27-Jan-14 | 01-Apr-15 | 27-Jan-14 A | 01-May-15 | -3d |
| **Order** | | 222d | | 27-Jan-14 | 01-Oct-14 | 27-Jan-14 A | 23-Sep-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon CONSTRUCTION AND SERVICES

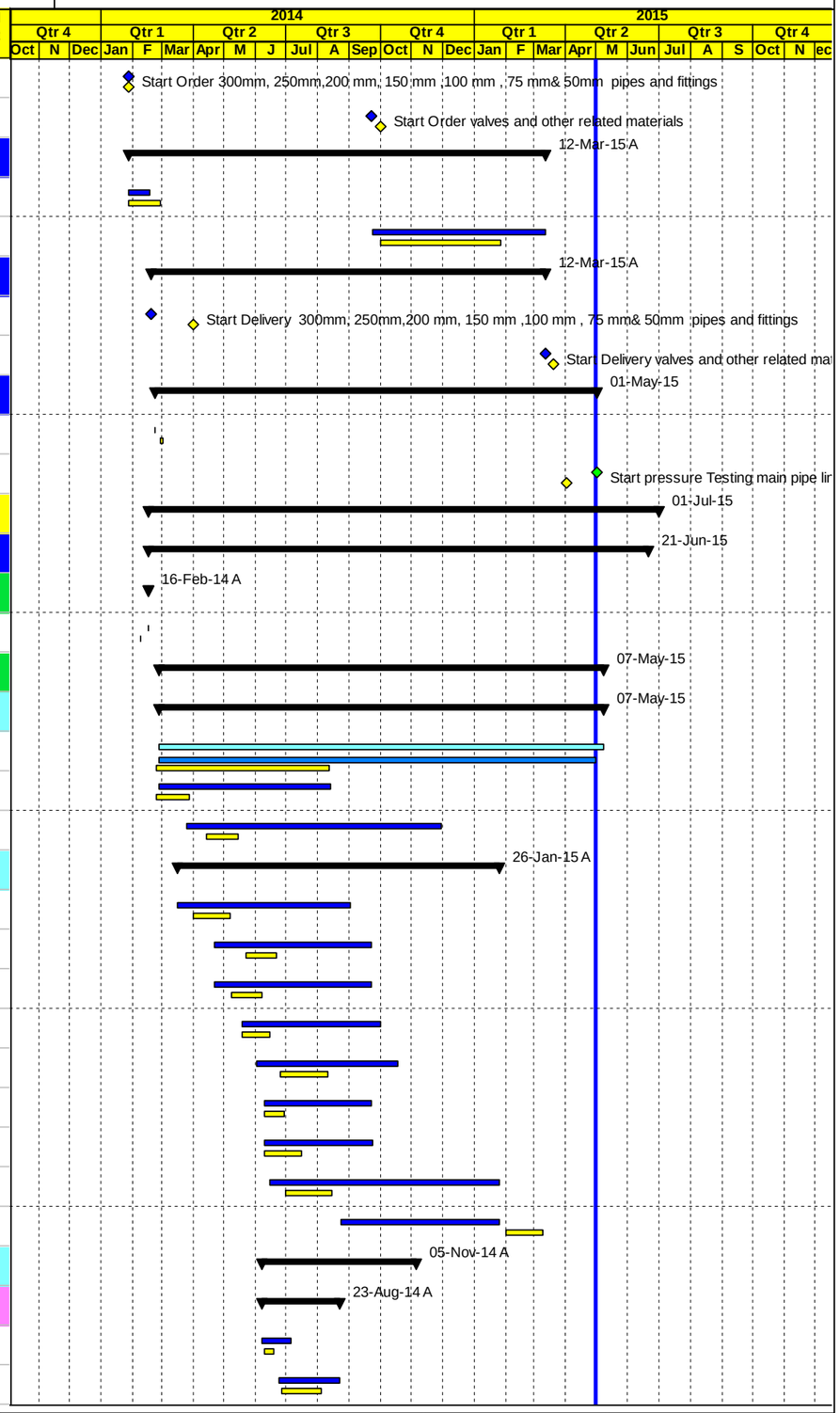
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT2000 | Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 0d | 100% | 27-Jan-14 | | 27-Jan-14 A | | |
| NHT2010 | Start Order valves and other related materials | 0d | 100% | 01-Oct-14 | | 23-Sep-14 A | | |
| **Manufacturing** | | 289d | | 27-Jan-14 | 26-Jan-15 | 27-Jan-14 A | 12-Mar-15 A | |
| NHT2030 | 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 28d | 100% | 27-Jan-14 | 27-Feb-14 | 27-Jan-14 A | 18-Feb-14 A | |
| NHT2040 | Valves and other related materials | 89d | 100% | 01-Oct-14 | 26-Jan-15 | 24-Sep-14 A | 12-Mar-15 A | |
| **Delivery** | | 305d | | 01-Apr-14 | 20-Mar-15 | 19-Feb-14 A | 12-Mar-15 A | |
| NHT2060 | Start Delivery 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 0d | 100% | 01-Apr-14 | | 19-Feb-14 A | | |
| NHT2070 | Start Delivery valves and other related materials | 0d | 100% | 20-Mar-15 | | 12-Mar-15 A | | |
| **Testing** | | 357d | | 28-Feb-14 | 01-Apr-15 | 23-Feb-14 A | 01-May-15 | -3d |
| NHT2090 | 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 2d | 100% | 28-Feb-14 | 02-Mar-14 | 23-Feb-14 A | 23-Feb-14 A | |
| A1000 | Start pressure Testing main pipe line | 0d | 0% | 01-Apr-15 | | 01-May-15 | | -3d |
| **Construction Work** | | 509d | | 08-Feb-14 | 29-May-15 | 16-Feb-14 A | 01-Jul-15 | -33d |
| **Phase One Seg Afrom Sta.A0+000 to Sta.A8+203** | | 420d | | 08-Feb-14 | 19-May-15 | 16-Feb-14 A | 21-Jun-15 | -20d |
| **Implementation traffic control and safety plan** | | 1d | | 08-Feb-14 | 08-Feb-14 | 16-Feb-14 A | 16-Feb-14 A | |
| NHT2505 | Start Implementation traffic control and safety plan | 1d | 100% | 08-Feb-14 | 08-Feb-14 | 16-Feb-14 A | 16-Feb-14 A | |
| **SEG.A From Sta.A0+000 to Sta.A1+440** | | 367d | | 24-Feb-14 | 07-Apr-15 | 26-Feb-14 A | 07-May-15 | -5d |
| **Safety and Excavation** | | 145d | | 24-Feb-14 | 12-Aug-14 | 26-Feb-14 A | 07-May-15 | -5d |
| NHT2510 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 145d | 90% | 24-Feb-14 | 12-Aug-14 | 26-Feb-14 A | 07-May-15 | -5d |
| NHT2520 | Excavation (Cut/ Fill) From Sta. A0+100 To A0+720 | 28d | 100% | 24-Feb-14 | 27-Mar-14 | 26-Feb-14 A | 14-Aug-14 A | |
| NHT2540 | Excavation (Cut/ Fill) From Sta. A0+720 To A1+440 | 27d | 100% | 13-Apr-14 | 14-May-14 | 26-Mar-14 A | 30-Nov-14 A | |
| **Retaining wall and Box Culvert** | | 286d | | 01-Apr-14 | 09-Mar-15 | 17-Mar-14 A | 26-Jan-15 A | |
| NHT2560 | Construct R.Concrete Retaining wall from Sta. A0+125 to A0+205 RHS | 31d | 100% | 01-Apr-14 | 06-May-14 | 17-Mar-14 A | 02-Sep-14 A | |
| NHT2580 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+479 to A0+574 LHS | 32d | 100% | 22-May-14 | 21-Jun-14 | 22-Apr-14 A | 23-Sep-14 A | |
| NHT2590 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+614 to A0+884LHS | 31d | 100% | 08-May-14 | 07-Jun-14 | 22-Apr-14 A | 23-Sep-14 A | |
| NHT2650 | Construct box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+614.0 LHS | 30d | 100% | 18-May-14 | 15-Jun-14 | 19-May-14 A | 01-Oct-14 A | |
| NHT2660 | Construct box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980 LHS | 30d | 100% | 24-Jun-14 | 10-Aug-14 | 02-Jun-14 A | 19-Oct-14 A | |
| NHT2770 | Construct gravity Wall 0+790 to 0+827 LHS | 20d | 100% | 10-Jun-14 | 29-Jun-14 | 10-Jun-14 A | 23-Sep-14 A | |
| NHT2900 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+827 to A0+930LHS | 30d | 100% | 10-Jun-14 | 16-Jul-14 | 10-Jun-14 A | 24-Sep-14 A | |
| NHT2670 | Construct Pipe culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS&A1+383 - A1+435 | 30d | 100% | 30-Jun-14 | 14-Aug-14 | 15-Jun-14 A | 26-Jan-15 A | |
| NHT2910 | Concrete Step Barrier | 30d | 100% | 01-Feb-15 | 09-Mar-15 | 24-Aug-14 A | 26-Jan-15 A | |
| **Pipe Installation** | | 205d | | 10-Jun-14 | 18-Feb-15 | 07-Jun-14 A | 05-Nov-14 A | |
| **300 mm main pipeline** | | 205d | | 10-Jun-14 | 18-Feb-15 | 07-Jun-14 A | 23-Aug-14 A | |
| NHT2770-new | Digging | 10d | 100% | 10-Jun-14 | 19-Jun-14 | 07-Jun-14 A | 06-Jul-14 A | |
| NHT2690 | Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+080 length approx. (980 LM) | 21d | 100% | 26-Jun-14 | 04-Aug-14 | 24-Jun-14 A | 23-Aug-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

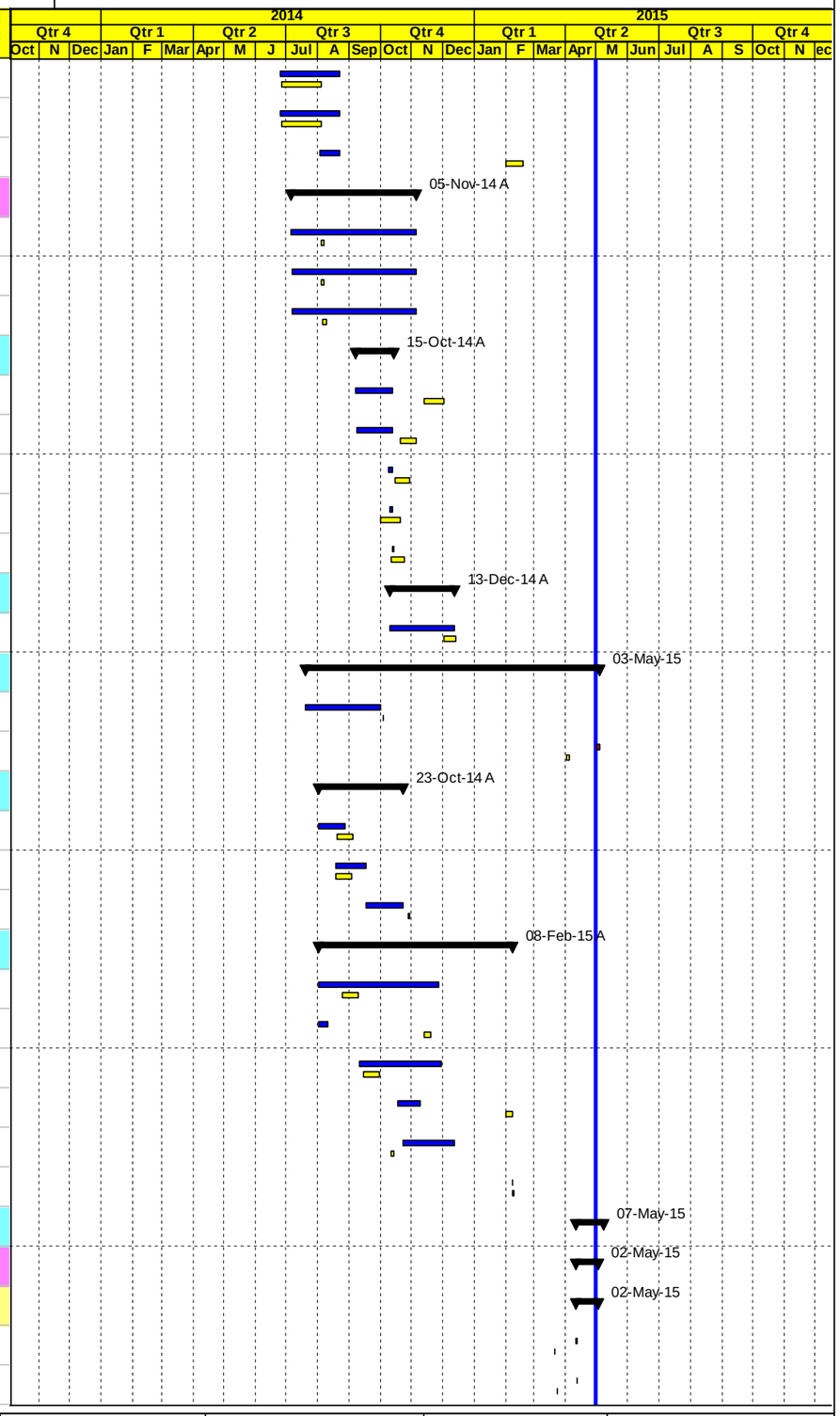
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT2700 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (980 LM) | 21d | 100% | 26-Jun-14 | 04-Aug-14 | 25-Jun-14 A | 23-Aug-14 A | |
| NHT2710 | Backfill the pipe trench with (single size aggregate) to the required level (980 LM) | 21d | 100% | 26-Jun-14 | 04-Aug-14 | 25-Jun-14 A | 23-Aug-14 A | |
| NHT2695 | Concrete Encasement on water pipeline 12" from St 0+543-1+007 | 15d | 100% | 01-Feb-15 | 18-Feb-15 | 03-Aug-14 A | 23-Aug-14 A | |
| **300 mm main pipeline with 75 mm dist. Pipe** | | 5d | | 04-Aug-14 | 09-Aug-14 | 06-Jul-14 A | 05-Nov-14 A | |
| NHT2680 | Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from sta. A1+080 TO A1+430 length approx. (350 LM)) | 4d | 100% | 04-Aug-14 | 07-Aug-14 | 06-Jul-14 A | 05-Nov-14 A | |
| NHT2682 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (350 LM) | 4d | 100% | 04-Aug-14 | 07-Aug-14 | 07-Jul-14 A | 05-Nov-14 A | |
| NHT2685 | Backfill the pipe trench with (single size aggregate) to the required level (350 LM) | 4d | 100% | 05-Aug-14 | 09-Aug-14 | 07-Jul-14 A | 05-Nov-14 A | |
| **Civil Chamber work for transmission pipeline** | | 47d | | 01-Oct-14 | 02-Dec-14 | 07-Sep-14 A | 15-Oct-14 A | |
| NHT2750-new | Construct - Combined chamber BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300 mm)@ St.A1+106 | 12d | 100% | 13-Nov-14 | 02-Dec-14 | 07-Sep-14 A | 13-Oct-14 A | |
| NHT2750 | Construct -300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+720 | 13d | 100% | 21-Oct-14 | 05-Nov-14 | 08-Sep-14 A | 13-Oct-14 A | |
| NHT2740 | Construct - Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 15d | 100% | 15-Oct-14 | 29-Oct-14 | 09-Oct-14 A | 13-Oct-14 A | |
| NHT2720 | Construct - Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 15d | 100% | 01-Oct-14 | 20-Oct-14 | 11-Oct-14 A | 13-Oct-14 A | |
| NHT2730 | Construct - Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 15d | 100% | 11-Oct-14 | 25-Oct-14 | 13-Oct-14 A | 15-Oct-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 10d | | 02-Dec-14 | 14-Dec-14 | 11-Oct-14 A | 13-Dec-14 A | |
| NHT2720-new | Construct - Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 10d | 100% | 02-Dec-14 | 14-Dec-14 | 11-Oct-14 A | 13-Dec-14 A | |
| **Testing** | | 162d | | 04-Oct-14 | 04-Apr-15 | 20-Jul-14 A | 03-May-15 | -1d |
| NHT2755 | Radiographic Testing (RT) | 1d | 100% | 04-Oct-14 | 04-Oct-14 | 20-Jul-14 A | 01-Oct-14 A | |
| NHT2760 | Pressure Testing | 2d | 0% | 01-Apr-15 | 04-Apr-15 | 02-May-15 | 03-May-15 | -1d |
| **Base course and Asphalt From Sta. A0+100 To A0+720** | | 74d | | 18-Aug-14 | 30-Oct-14 | 02-Aug-14 A | 23-Oct-14 A | |
| NHT2780 | 20 cm thick for first base course layer | 17d | 100% | 20-Aug-14 | 04-Sep-14 | 02-Aug-14 A | 28-Aug-14 A | |
| NHT2790 | 20 cm thick for second base course layer | 17d | 100% | 18-Aug-14 | 02-Sep-14 | 19-Aug-14 A | 18-Sep-14 A | |
| NHT2800 | 7cm Asphalt wearing course including prime coat | 3d | 100% | 28-Oct-14 | 30-Oct-14 | 18-Sep-14 A | 23-Oct-14 A | |
| **Base course and Asphalt From Sta. A0+720 To A1+440** | | 135d | | 25-Aug-14 | 09-Feb-15 | 02-Aug-14 A | 08-Feb-15 A | |
| NHT2802 | 20 cm thick for first base course layer | 17d | 100% | 25-Aug-14 | 09-Sep-14 | 02-Aug-14 A | 27-Nov-14 A | |
| NHT2819-new | Install double pipes (6" UPVC) road crossings at sta. A1+080, sta. A1+180 and at sta. 1+370 & Concrete hand hole | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 02-Aug-14 A | 11-Aug-14 A | |
| NHT2805 | 20 cm thick for second base course layer | 17d | 100% | 15-Sep-14 | 30-Sep-14 | 11-Sep-14 A | 30-Nov-14 A | |
| NHT2812 | Topping Layer From Sta. A1+330 To Sta. A1+440 | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 18-Oct-14 A | 10-Nov-14 A | |
| NHT2809 | 7cm Asphalt wearing course including prime coat | 3d | 100% | 11-Oct-14 | 14-Oct-14 | 23-Oct-14 A | 13-Dec-14 A | |
| NHT2819 | 7cm Asphalt wearing course including prime coat from St. 1+400 to St. 1+470 (intersection) | 2d | 100% | 08-Feb-15 | 09-Feb-15 | 08-Feb-15 A | 08-Feb-15 A | |
| **Mechanical Chambers work** | | 31d | | 21-Mar-15 | 07-Apr-15 | 11-Apr-15 A | 07-May-15 | -15d |
| **Welding flanges** | | 26d | | 21-Mar-15 | 25-Mar-15 | 11-Apr-15 A | 02-May-15 | -13d |
| **Transmission pipeline** | | 26d | | 21-Mar-15 | 25-Mar-15 | 11-Apr-15 A | 02-May-15 | -13d |
| NHT1000-MECH | Welding flanges for Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 1d | 100% | 21-Mar-15 | 21-Mar-15 | 11-Apr-15 A | 11-Apr-15 A | |
| NHT1020-MECH | Welding flanges for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 1d | 100% | 23-Mar-15 | 23-Mar-15 | 12-Apr-15 A | 12-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

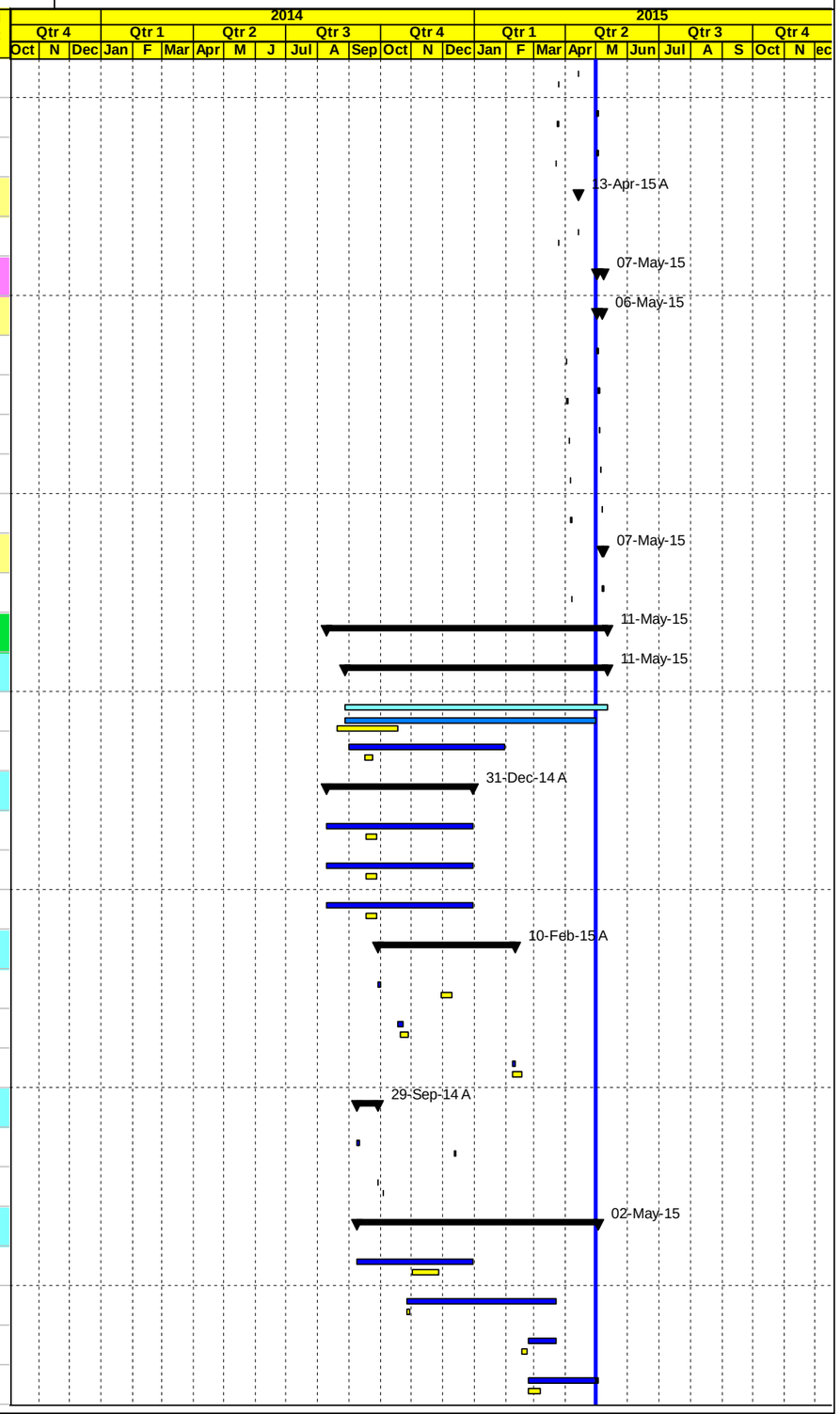
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1040-MECH | Welding flanges for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 1d | 100% | 25-Mar-15 | 25-Mar-15 | 13-Apr-15 A | 13-Apr-15 A | |
| NHT1030-MECH | Welding flanges for Combined BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300 mm)@ St.A1+106 | 1d | 0% | 24-Mar-15 | 24-Mar-15 | 02-May-15 | 02-May-15 | -13d |
| NHT1010-MECH | Welding flanges for 300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+720 | 1d | 0% | 22-Mar-15 | 22-Mar-15 | 02-May-15 | 02-May-15 | -15d |
| **Distribution pipeline** | | 1d | | 25-Mar-15 | 25-Mar-15 | 13-Apr-15 A | 13-Apr-15 A | |
| NHT1050-MECH | Welding flanges for Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 1d | 100% | 25-Mar-15 | 25-Mar-15 | 13-Apr-15 A | 13-Apr-15 A | |
| **Mechanical fittings installation** | | 6d | | 01-Apr-15 | 07-Apr-15 | 02-May-15 | 07-May-15 | -15d |
| **Transmission pipeline** | | 5d | | 01-Apr-15 | 06-Apr-15 | 02-May-15 | 06-May-15 | -15d |
| NHT1060-MECH | Fittings installation for Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 1d | 0% | 01-Apr-15 | 01-Apr-15 | 02-May-15 | 02-May-15 | -15d |
| NHT1070-MECH | Fittings installation for 300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+720 | 1d | 0% | 02-Apr-15 | 02-Apr-15 | 03-May-15 | 03-May-15 | -15d |
| NHT1080-MECH | Fittings installation for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 1d | 0% | 04-Apr-15 | 04-Apr-15 | 04-May-15 | 04-May-15 | -15d |
| NHT1090-MECH | Fittings installation Combined BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300 mm)@ St.A1+106 | 1d | 0% | 05-Apr-15 | 05-Apr-15 | 05-May-15 | 05-May-15 | -15d |
| NHT1100-MECH | Fittings installation for Wash out Valve chamber (250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 1d | 0% | 06-Apr-15 | 06-Apr-15 | 06-May-15 | 06-May-15 | -15d |
| **Distribution pipeline** | | 1d | | 07-Apr-15 | 07-Apr-15 | 07-May-15 | 07-May-15 | -15d |
| NHT1110-MECH | Fittings installation for Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 1d | 0% | 07-Apr-15 | 07-Apr-15 | 07-May-15 | 07-May-15 | -15d |
| **SEG.A From Sta.A1+440- A2+260** | | 216d | | 20-Aug-14 | 11-Apr-15 | 09-Aug-14 A | 11-May-15 | 16d |
| **Safety and Excavation** | | 58d | | 20-Aug-14 | 18-Oct-14 | 28-Aug-14 A | 11-May-15 | -15d |
| NHT2810 | Maintain traffic control and safety plan with coordination | 58d | 90% | 20-Aug-14 | 18-Oct-14 | 28-Aug-14 A | 11-May-15 | -15d |
| NHT2820 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 16-Sep-14 | 24-Sep-14 | 31-Aug-14 A | 31-Jan-15 A | |
| **Pipe Installation 75 mm dist. pipe** | | 10d | | 17-Sep-14 | 27-Sep-14 | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2830 | Trench excavation for 75 mm dist. Pipe from A1+440 to sta. A2+260 length approx. (820 LM) | 10d | 100% | 17-Sep-14 | 27-Sep-14 | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2840 | Bedding (crushed stone) and install distribution Steel pipes with welding inspection(820 LM) | 10d | 100% | 17-Sep-14 | 27-Sep-14 | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2850 | Backfill the pipe trench with (single size aggregate) to the required level (820 LM) | 10d | 100% | 17-Sep-14 | 27-Sep-14 | 09-Aug-14 A | 31-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 104d | | 20-Oct-14 | 16-Feb-15 | 29-Sep-14 A | 10-Feb-15 A | |
| NHT2870-new | Construct - Combined chamber Gate Valve(75mm, PN16, pipeline Dia.75 mm)&ARV 50mm, PN16, pipeline Dia.75mm)@ A1+830 | 9d | 100% | 30-Nov-14 | 10-Dec-14 | 29-Sep-14 A | 02-Oct-14 A | |
| NHT2860 | Construct - Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 8d | 100% | 20-Oct-14 | 28-Oct-14 | 19-Oct-14 A | 23-Oct-14 A | |
| NHT2870 | Construct - Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 8d | 100% | 08-Feb-15 | 16-Feb-15 | 08-Feb-15 A | 10-Feb-15 A | |
| **Testing** | | 54d | | 04-Oct-14 | 14-Dec-14 | 09-Sep-14 A | 29-Sep-14 A | |
| NHT2880 | Pressure Testing | 2d | 100% | 13-Dec-14 | 14-Dec-14 | 09-Sep-14 A | 11-Sep-14 A | |
| NHT2873 | Radiographic Testing (RT) | 1d | 100% | 04-Oct-14 | 04-Oct-14 | 29-Sep-14 A | 29-Sep-14 A | |
| **Base course and Asphalt** | | 103d | | 27-Oct-14 | 07-Mar-15 | 08-Sep-14 A | 02-May-15 | 24d |
| NHT2890 | 20 cm thick for base course layer | 16d | 100% | 01-Nov-14 | 27-Nov-14 | 08-Sep-14 A | 31-Dec-14 A | |
| NHT2930 | 5 cm asphalt wearing course including prime coat | 3d | 100% | 27-Oct-14 | 30-Oct-14 | 28-Oct-14 A | 23-Mar-15 A | |
| NHT2920 | 20 cm thick for base course layer from St. A1+820-1+940 & From St. A1+980-2+020 | 5d | 100% | 17-Feb-15 | 22-Feb-15 | 23-Feb-15 A | 22-Mar-15 A | |
| NHT2970-new | Concrete Pavement from St. 1+940 to 1+980 | 10d | 90% | 23-Feb-15 | 07-Mar-15 | 24-Feb-15 A | 02-May-15 | 24d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

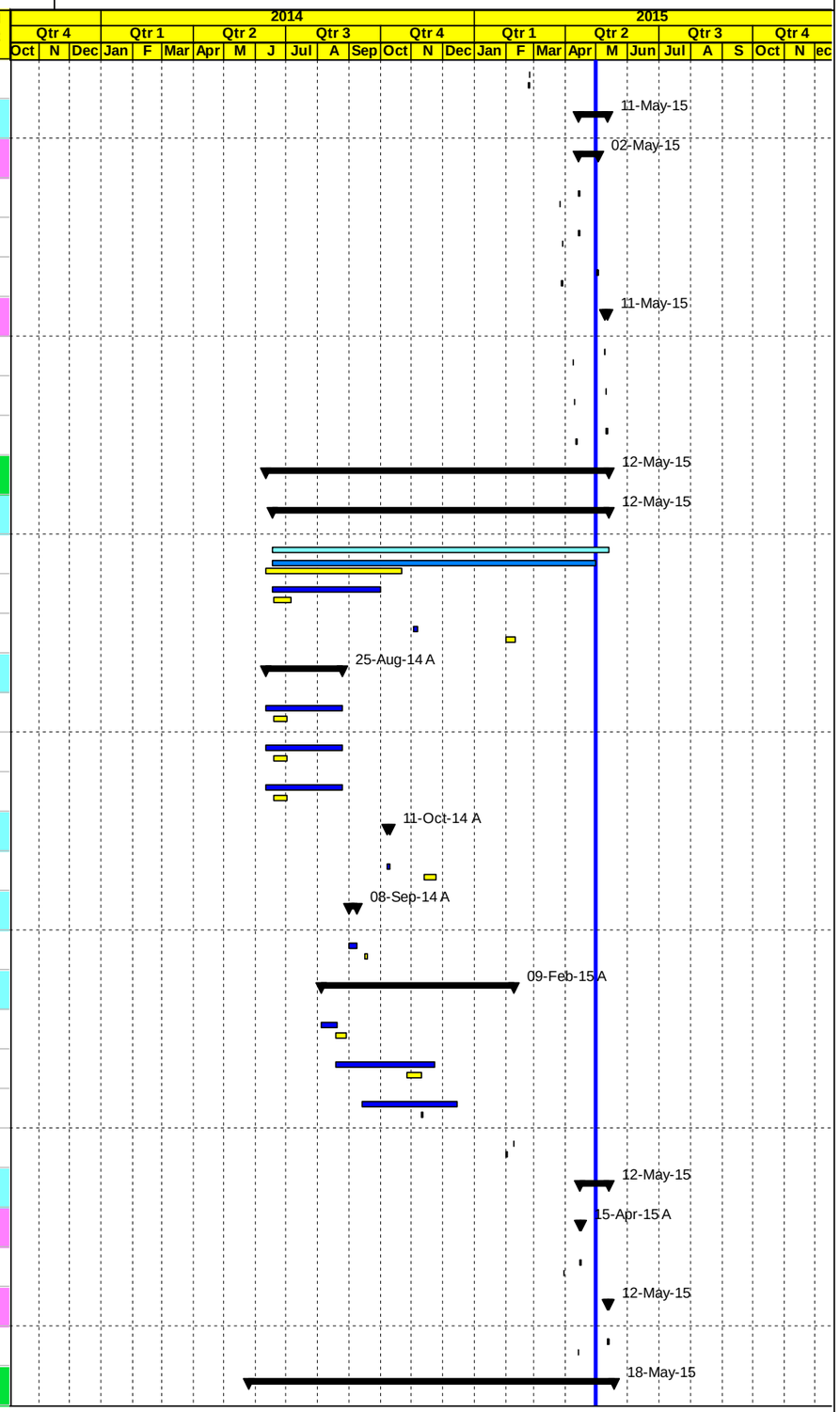
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT2960 | 5 cm asphalt wearing course including prime coat from St.1+820-1+940, St. 1+980-2+020 | 2d | 100% | 23-Feb-15 | 24-Feb-15 | 25-Feb-15 A | 25-Feb-15 A | |
| **Mechanical Chambers work** | | 29d | | 26-Mar-15 | 11-Apr-15 | 14-Apr-15 A | 11-May-15 | -15d |
| **Welding flanges** | | 21d | | 26-Mar-15 | 29-Mar-15 | 14-Apr-15 A | 02-May-15 | -9d |
| NHT1120-MECH | Welding flanges for Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 1d | 100% | 26-Mar-15 | 26-Mar-15 | 14-Apr-15 A | 14-Apr-15 A | |
| NHT1140-MECH | Welding flanges for Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 1d | 100% | 29-Mar-15 | 29-Mar-15 | 14-Apr-15 A | 14-Apr-15 A | |
| NHT1130-MECH | Welding flanges for Combined chamber G.V(75mm, PN16, pipeline Dia.75mm)&ARV 50mm, PN16, pipeline Dia.75mm)@ A1+830 | 1d | 0% | 28-Mar-15 | 28-Mar-15 | 02-May-15 | 02-May-15 | -9d |
| **Mechanical fittings installation** | | 3d | | 08-Apr-15 | 11-Apr-15 | 09-May-15 | 11-May-15 | -15d |
| NHT1150-MECH | Fittings installation for Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 1d | 0% | 08-Apr-15 | 08-Apr-15 | 09-May-15 | 09-May-15 | -15d |
| NHT1160-MECH | Fittings installation Combined chamber G.V(75mm, PN16, pipeline Dia.75mm)&ARV 50mm, PN16, pipeline Dia.75mm)@ A1+830 | 1d | 0% | 09-Apr-15 | 09-Apr-15 | 10-May-15 | 10-May-15 | -15d |
| NHT1170-MECH | Fittings installation Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 1d | 0% | 11-Apr-15 | 11-Apr-15 | 11-May-15 | 11-May-15 | -15d |
| **SEG.A From Sta A2+260.to Sta. A3+320** | | 273d | | 10-Jun-14 | 13-Apr-15 | 11-Jun-14 A | 12-May-15 | -15d |
| **Safety, Excavation** | | 197d | | 10-Jun-14 | 10-Feb-15 | 17-Jun-14 A | 12-May-15 | -15d |
| NHT2940 | Maintain traffic control and safety plan with coordination | 118d | 90% | 10-Jun-14 | 22-Oct-14 | 17-Jun-14 A | 12-May-15 | -15d |
| NHT2950 | Excavation for reconstruction road including subgrade and backfilling if required | 14d | 100% | 19-Jun-14 | 05-Jul-14 | 18-Jun-14 A | 02-Oct-14 A | |
| NHT3600 | Walls of existing Pipe Culvert at Sta.3+281.3 | 8d | 100% | 01-Feb-15 | 10-Feb-15 | 03-Nov-14 A | 07-Nov-14 A | |
| **Pipe Installation 50 mm dist. Pipe** | | 12d | | 19-Jun-14 | 01-Jul-14 | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2985 | Trench excavation for 50 mm dist. Pipe from A2+260 to sta. A3+320 length approx. (1060 LM) | 12d | 100% | 19-Jun-14 | 01-Jul-14 | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2987 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection 1060 LM) | 12d | 100% | 19-Jun-14 | 01-Jul-14 | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2999 | Backfill the pipe trench with (single size aggregate) to the required level (1060 LM) | 12d | 100% | 19-Jun-14 | 01-Jul-14 | 11-Jun-14 A | 25-Aug-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 7d | | 13-Nov-14 | 24-Nov-14 | 08-Oct-14 A | 11-Oct-14 A | |
| NHT2999-new | Construct -Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 7d | 100% | 13-Nov-14 | 24-Nov-14 | 08-Oct-14 A | 11-Oct-14 A | |
| **Testing** | | 2d | | 16-Sep-14 | 18-Sep-14 | 01-Sep-14 A | 08-Sep-14 A | |
| NHT3040 | Pressure Testing | 2d | 100% | 16-Sep-14 | 18-Sep-14 | 01-Sep-14 A | 08-Sep-14 A | |
| **Base course and Asphalt** | | 138d | | 18-Aug-14 | 02-Feb-15 | 05-Aug-14 A | 09-Feb-15 A | |
| NHT3240 | Topping from sta. 2+440 to sta. 3+100 & From Sta. A3+170 To Sta. A3+240 | 12d | 100% | 18-Aug-14 | 28-Aug-14 | 05-Aug-14 A | 20-Aug-14 A | |
| NHT3050 | 20 cm thick for base course layer | 9d | 100% | 27-Oct-14 | 10-Nov-14 | 19-Aug-14 A | 24-Nov-14 A | |
| NHT3055 | 5 cm asphalt wearing course including prime coat | 2d | 100% | 10-Nov-14 | 12-Nov-14 | 13-Sep-14 A | 16-Dec-14 A | |
| NHT5275 | 5 cm asphalt wearing course including prime coat from St. 2+240-2+280 | 2d | 100% | 01-Feb-15 | 02-Feb-15 | 09-Feb-15 A | 09-Feb-15 A | |
| **Mechanical Chambers work** | | 27d | | 30-Mar-15 | 13-Apr-15 | 15-Apr-15 A | 12-May-15 | -15d |
| **Welding flanges** | | 1d | | 30-Mar-15 | 30-Mar-15 | 15-Apr-15 A | 15-Apr-15 A | |
| NHT1180-MECH | Welding flanges for Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 1d | 100% | 30-Mar-15 | 30-Mar-15 | 15-Apr-15 A | 15-Apr-15 A | |
| **Mechanical fittings installation** | | 1d | | 13-Apr-15 | 13-Apr-15 | 12-May-15 | 12-May-15 | -15d |
| NHT1190-MECH | Fittings installation Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 1d | 0% | 13-Apr-15 | 13-Apr-15 | 12-May-15 | 12-May-15 | -15d |
| **SEG.A From Sta.A3+320 to Sta.A5+800** | | 296d | | 25-May-14 | 19-Apr-15 | 25-May-14 A | 18-May-15 | -7d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

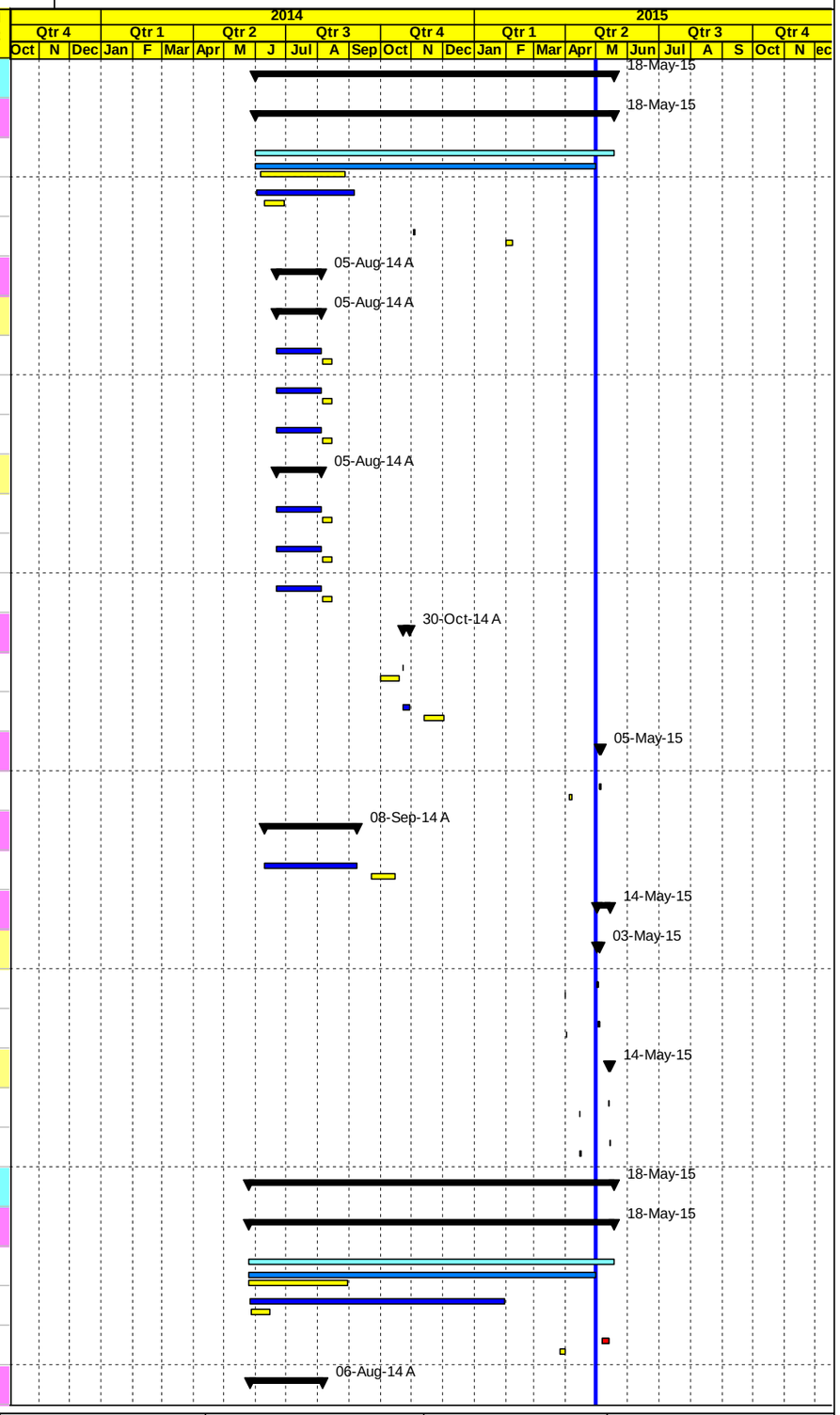
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **SEG.A From Sta.A3+320 to Sta.A3+850** | | 281d | | 05-Jun-14 | 15-Apr-15 | 01-Jun-14 A | 18-May-15 | -12d |
| **Safety, Excavation, Culvert , concrete channel and Basecourse** | | 200d | | 05-Jun-14 | 07-Feb-15 | 01-Jun-14 A | 18-May-15 | -14d |
| NHT3580 | Maintain traffic control and safety plan, Coordination for Relocation Utilities and others | 70d | 90% | 05-Jun-14 | 27-Aug-14 | 01-Jun-14 A | 18-May-15 | -14d |
| NHT3590 | Saw Cut to Edge of Existing Asphalt, Excavation for road widening and slope cut | 20d | 100% | 10-Jun-14 | 29-Jun-14 | 02-Jun-14 A | 06-Sep-14 A | |
| NHT3610-new | Extension of existing pipe culvert @ St. 3+540 | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 03-Nov-14 A | 04-Nov-14 A | |
| **Pipe Installation** | | 10d | | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| **Pipe Installation for 250 mm main pipeline & 50 mm pipeline from A3+320 to sta.A3+546** | | 10d | | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3620 | Trench excavation for 250 mm main pipeline & 50 mm from A3+320 to sta.A3+546 with length approx. (226LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3630 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (226LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3640 | Backfill the pipe trench with (single size aggregate) to the required level (226LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| **Pipe Installation for 250 mm main pipeline from A3+546 to sta.A3+850** | | 10d | | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3645-new | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (304LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3649-new | Backfill the pipe trench with (single size aggregate) to the required level (304LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3640-new | Trench excavation for 250 mm main pipeline from A3+5460 to sta.A3+850 with length approx. (304LM) | 10d | 100% | 05-Aug-14 | 14-Aug-14 | 21-Jun-14 A | 05-Aug-14 A | |
| **Chamber work for transmission pipeline** | | 47d | | 01-Oct-14 | 02-Dec-14 | 23-Oct-14 A | 30-Oct-14 A | |
| NHT3650 | Construct - Wash out Valve chamber(200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 15d | 100% | 01-Oct-14 | 19-Oct-14 | 23-Oct-14 A | 23-Oct-14 A | |
| NHT3660 | Construct - Combined BFV and Wash out chamber(250,200mm- PN40, pipeline Dia.250 mm) @St.A3+840 | 12d | 100% | 13-Nov-14 | 02-Dec-14 | 23-Oct-14 A | 30-Oct-14 A | |
| **Testing** | | 2d | | 04-Apr-15 | 06-Apr-15 | 04-May-15 | 05-May-15 | -1d |
| NHT3680 | Pressure Testing | 2d | 0% | 04-Apr-15 | 06-Apr-15 | 04-May-15 | 05-May-15 | -1d |
| **Base course and Stone Wall** | | 21d | | 22-Sep-14 | 16-Oct-14 | 10-Jun-14 A | 08-Sep-14 A | |
| NHT3685 | Subgrad and install first and second layer of 20 cm base course for widening the road | 21d | 100% | 22-Sep-14 | 16-Oct-14 | 10-Jun-14 A | 08-Sep-14 A | |
| **Mechanical Chambers work** | | 12d | | 31-Mar-15 | 15-Apr-15 | 02-May-15 | 14-May-15 | -15d |
| **Welding flanges** | | 2d | | 31-Mar-15 | 01-Apr-15 | 02-May-15 | 03-May-15 | -6d |
| NHT1200-MECH | Welding flanges for Wash out Valve chamber (200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 1d | 0% | 31-Mar-15 | 31-Mar-15 | 02-May-15 | 02-May-15 | -6d |
| NHT1210-MECH | Welding flanges for Combined BFV and Wash out chamber (250,200mm-PN40, pipeline Dia.250 mm) @St.A3+840 | 1d | 0% | 01-Apr-15 | 01-Apr-15 | 03-May-15 | 03-May-15 | -6d |
| **Mechanical fittings installation** | | 2d | | 14-Apr-15 | 15-Apr-15 | 13-May-15 | 14-May-15 | -15d |
| NHT1220-MECH | Fittings installation for Wash out Valve chamber(200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 1d | 0% | 14-Apr-15 | 14-Apr-15 | 13-May-15 | 13-May-15 | -15d |
| NHT1230-MECH | Fittings installation for Combined BFV and Wash out chamber(250,200mm-PN40, pipeline Dia.250 mm) @St.A3+840 | 1d | 0% | 15-Apr-15 | 15-Apr-15 | 14-May-15 | 14-May-15 | -15d |
| **SEG.A From Sta.A3+850 to Sta.A5+800** | | 296d | | 25-May-14 | 19-Apr-15 | 25-May-14 A | 18-May-15 | -9d |
| **Safety, Excavation and Concrete Works** | | 291d | | 25-May-14 | 31-Mar-15 | 25-May-14 A | 18-May-15 | -9d |
| NHT3710 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 84d | 90% | 25-May-14 | 30-Aug-14 | 25-May-14 A | 18-May-15 | -15d |
| NHT3715 | Saw Cut to Edge of Existing Asphalt and Excavation | 18d | 100% | 28-May-14 | 14-Jun-14 | 26-May-14 A | 31-Jan-15 A | |
| NHT3725-new | Construction of 800mm pipe culvert @ St. 5+525 | 5d | 0% | 26-Mar-15 | 31-Mar-15 | 07-May-15 | 13-May-15 | -4d |
| **Pipe Installation** | | 53d | | 28-May-14 | 05-Aug-14 | 26-May-14 A | 06-Aug-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

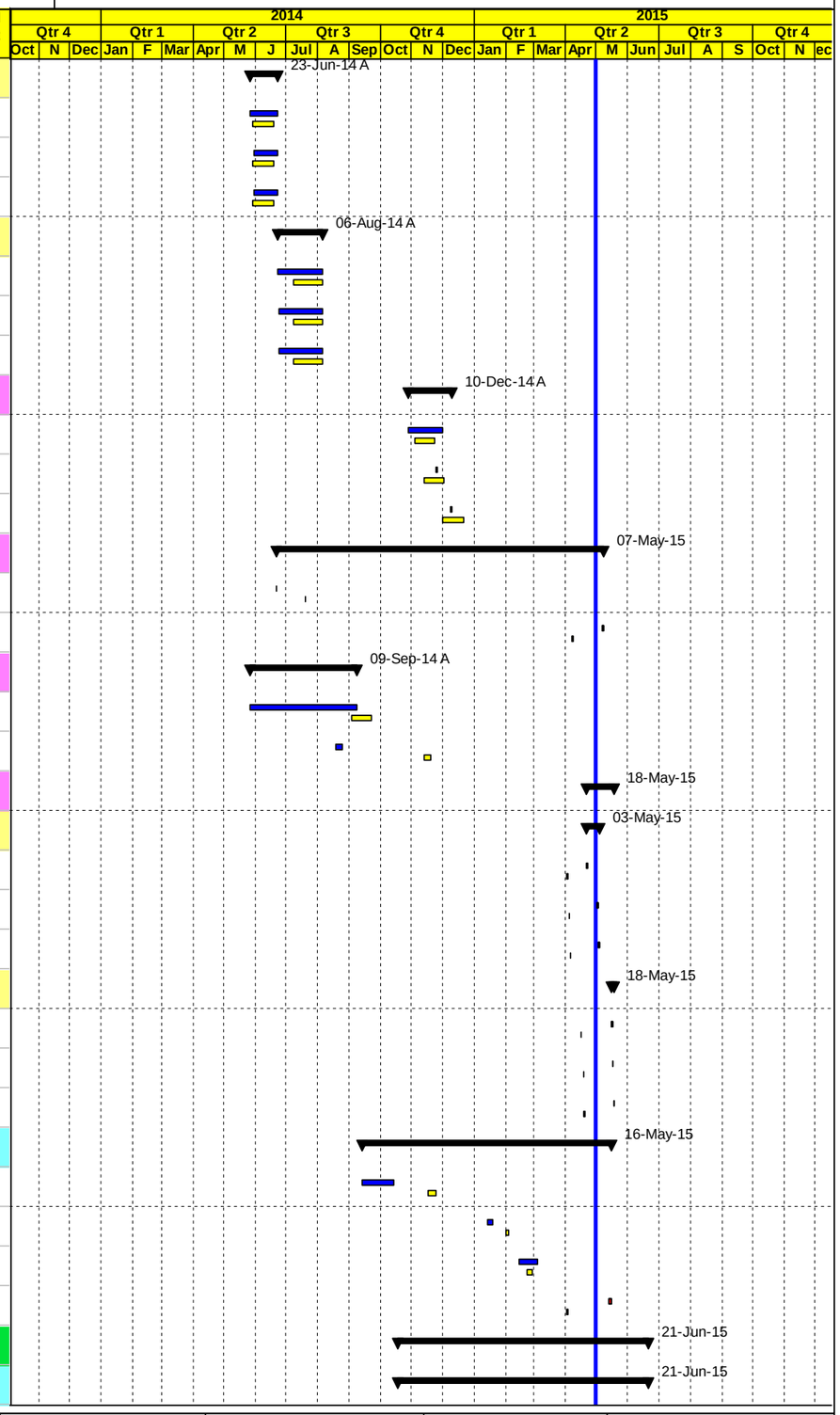
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **250 mm main pipeline** | | 22d | | 28-May-14 | 18-Jun-14 | 26-May-14 A | 23-Jun-14 A | |
| NHT3730 | Trench excavation for 250 mm main pipeline from A3+850 to sta.A5+175 with length approx. (1325 LM) | 22d | 100% | 28-May-14 | 18-Jun-14 | 26-May-14 A | 23-Jun-14 A | |
| NHT3740 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1325 LM) | 22d | 100% | 28-May-14 | 18-Jun-14 | 31-May-14 A | 23-Jun-14 A | |
| NHT3750 | Backfill the pipe trench with (single size aggregate) to the required level (1325 LM) | 22d | 100% | 28-May-14 | 18-Jun-14 | 31-May-14 A | 23-Jun-14 A | |
| **250 mm main pipeline with 50 mm dist. Pipe** | | 15d | | 08-Jul-14 | 05-Aug-14 | 23-Jun-14 A | 06-Aug-14 A | |
| NHT3760 | Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+175 to A5+810 length approx. (635 LM) | 15d | 100% | 08-Jul-14 | 05-Aug-14 | 23-Jun-14 A | 06-Aug-14 A | |
| NHT3763 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (635 LM) | 15d | 100% | 08-Jul-14 | 05-Aug-14 | 24-Jun-14 A | 06-Aug-14 A | |
| NHT3766 | Backfill the pipe trench with (single size aggregate) to the required level (635 LM) | 15d | 100% | 08-Jul-14 | 05-Aug-14 | 24-Jun-14 A | 06-Aug-14 A | |
| **Civil Chamber work for transmission pipeline** | | 34d | | 04-Nov-14 | 21-Dec-14 | 29-Oct-14 A | 10-Dec-14 A | |
| NHT3810 | Construct - Flow monitoring chamber (250mm, PN40, pipeline Dia.250 mm) and GV & DN 50 mm Combination ARV @ St.A5+365 | 13d | 100% | 04-Nov-14 | 23-Nov-14 | 29-Oct-14 A | 02-Dec-14 A | |
| NHT3670 | Construct - ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 12d | 100% | 13-Nov-14 | 02-Dec-14 | 25-Nov-14 A | 26-Nov-14 A | |
| NHT3790 | Construct - Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 18d | 100% | 01-Dec-14 | 21-Dec-14 | 09-Dec-14 A | 10-Dec-14 A | |
| **Testing** | | 239d | | 19-Jul-14 | 08-Apr-15 | 22-Jun-14 A | 07-May-15 | -1d |
| NHT3815 | Radiographic Testing (RT) | 1d | 100% | 19-Jul-14 | 19-Jul-14 | 22-Jun-14 A | 22-Jun-14 A | |
| NHT3820 | Pressure Testing | 2d | 0% | 06-Apr-15 | 08-Apr-15 | 06-May-15 | 07-May-15 | -1d |
| **Base course** | | 70d | | 03-Sep-14 | 19-Nov-14 | 26-May-14 A | 09-Sep-14 A | |
| NHT3830 | Subgrad and install first and second layer of 20 cm base course for widening the road | 21d | 100% | 03-Sep-14 | 22-Sep-14 | 26-May-14 A | 09-Sep-14 A | |
| NHT3980-new | Install double pipes (4" UPVC) for future services from sta. A5+390 to sta. A5+440. | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 19-Aug-14 A | 25-Aug-14 A | |
| **Mechanical Chambers work** | | 29d | | 02-Apr-15 | 19-Apr-15 | 22-Apr-15 A | 18-May-15 | -15d |
| **Welding flanges** | | 16d | | 02-Apr-15 | 05-Apr-15 | 22-Apr-15 A | 03-May-15 | -13d |
| NHT1240-MECH | Welding flanges for ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 1d | 100% | 02-Apr-15 | 02-Apr-15 | 22-Apr-15 A | 22-Apr-15 A | |
| NHT1250-MECH | Welding flanges for Flow monitoring (250mm, PN40, pipeline Dia.250 mm)&GV & DN 50 mm Combination ARV@ St.A5+365 | 1d | 0% | 04-Apr-15 | 04-Apr-15 | 02-May-15 | 02-May-15 | -13d |
| NHT1260-MECH | Welding flanges for Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 1d | 0% | 05-Apr-15 | 05-Apr-15 | 03-May-15 | 03-May-15 | -13d |
| **Mechanical fittings installation** | | 3d | | 16-Apr-15 | 19-Apr-15 | 16-May-15 | 18-May-15 | -15d |
| NHT1270-MECH | Fittings installation for ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 1d | 0% | 16-Apr-15 | 16-Apr-15 | 16-May-15 | 16-May-15 | -15d |
| NHT1280-MECH | Fittings installation for Flow monitoring (250mm, PN40, pipeline Dia.250 mm)&GV & DN 50 mm Combination ARV@ St.A5+365 | 1d | 0% | 18-Apr-15 | 18-Apr-15 | 17-May-15 | 17-May-15 | -15d |
| NHT1290-MECH | Fittings installation for Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 1d | 0% | 19-Apr-15 | 19-Apr-15 | 18-May-15 | 18-May-15 | -15d |
| **SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS ( Asphalt -work )** | | 138d | | 17-Nov-14 | 02-Apr-15 | 14-Sep-14 A | 16-May-15 | -4d |
| NHT3850 | 5 cm Asphalt Binder layer for road widening including prime | 5d | 100% | 17-Nov-14 | 24-Nov-14 | 14-Sep-14 A | 14-Oct-14 A | |
| NHT3840 | Asphalt milling for the existing road | 4d | 100% | 01-Feb-15 | 04-Feb-15 | 15-Jan-15 A | 19-Jan-15 A | |
| NHT5465 | 5 cm Asphalt wearing layer for including tack coat from St. 3+320 -5+500 | 5d | 100% | 22-Feb-15 | 26-Feb-15 | 15-Feb-15 A | 04-Mar-15 A | |
| NHT5235 | 5 cm Asphalt wearing layer for including tack coat from St. 5+500 -5+800 | 2d | 0% | 01-Apr-15 | 02-Apr-15 | 13-May-15 | 16-May-15 | -4d |
| **SEG.A From Sta.A5+800 to Sta. 6+800** | | 198d | | 14-Oct-14 | 19-May-15 | 18-Oct-14 A | 21-Jun-15 | -29d |
| **Safety, Excavation, Pipe Culvert and storm system** | | 164d | | 14-Oct-14 | 30-Mar-15 | 18-Oct-14 A | 21-Jun-15 | -29d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

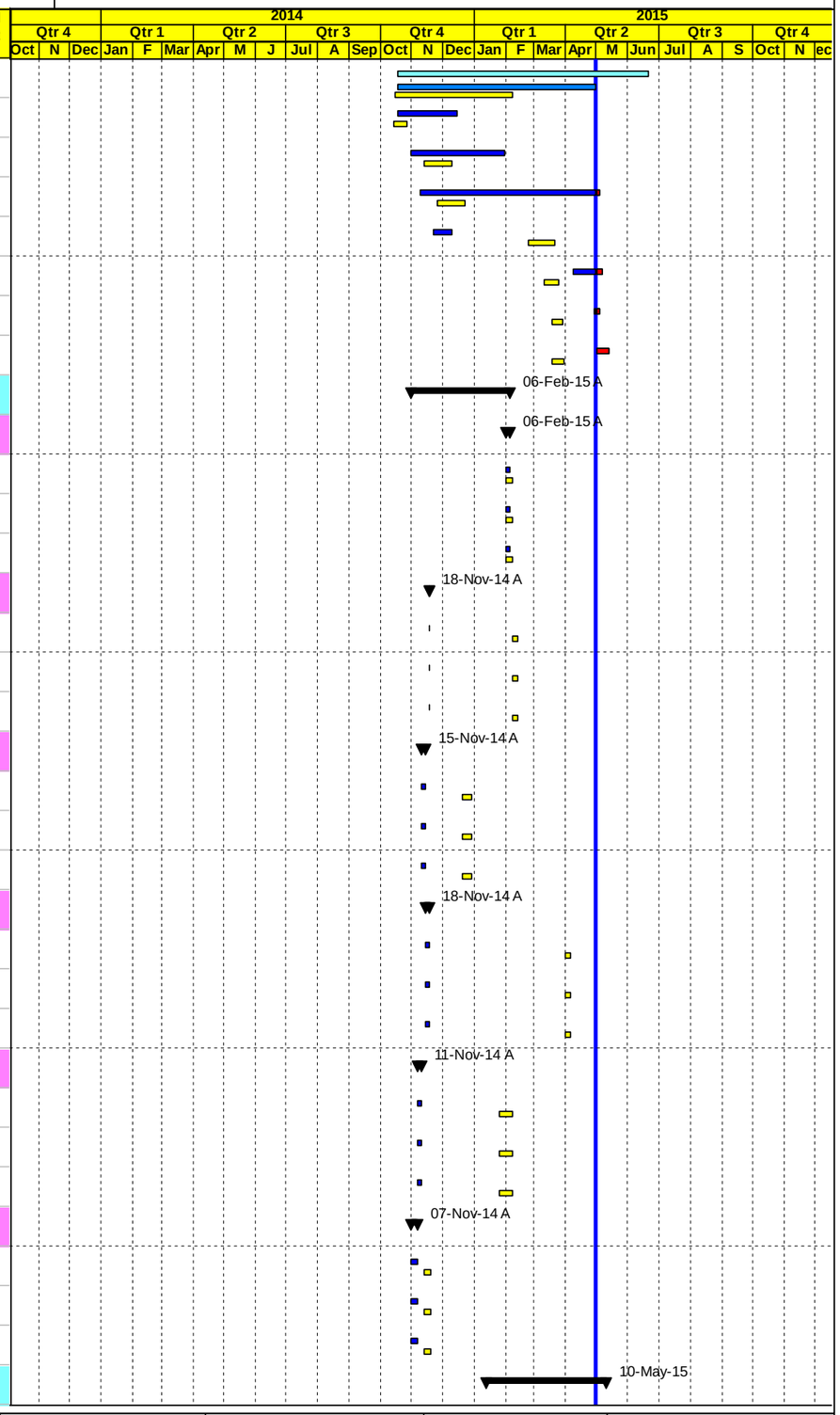
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT3860 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 89d | 50% | 16-Oct-14 | 08-Feb-15 | 18-Oct-14 A | 21-Jun-15 | -29d |
| NHT4180 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 6+200-6+800 | 14d | 100% | 14-Oct-14 | 27-Oct-14 | 19-Oct-14 A | 15-Dec-14 A | |
| NHT3870-new | Retaining Wall From Sta.6+505 to Sta.6+560 LHS& Sta.6+574to Sta.6+603 LHS- | 19d | 100% | 13-Nov-14 | 10-Dec-14 | 01-Nov-14 A | 31-Jan-15 A | |
| NHT3890 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from Sta.6+200 to Sta.6+340 | 20d | 90% | 26-Nov-14 | 23-Dec-14 | 09-Nov-14 A | 04-May-15 | -24d |
| NHT4150 | Retaining Wall Sta. A6+762 to Sta. A6+805 L.H.S | 21d | 100% | 23-Feb-15 | 21-Mar-15 | 22-Nov-14 A | 11-Dec-14 A | |
| NHT3900 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from st. A5+800 to A6+040 | 13d | 60% | 11-Mar-15 | 25-Mar-15 | 08-Apr-15 A | 07-May-15 | -29d |
| NHT3880 | Construct -Dia.800 mm of precast pipe culvert @ Sta.A6+198 | 10d | 80% | 18-Mar-15 | 29-Mar-15 | 29-Apr-15 A | 03-May-15 | -10d |
| NHT5325 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 5+800-6+200 | 11d | 0% | 18-Mar-15 | 30-Mar-15 | 02-May-15 | 13-May-15 | -29d |
| **Pipe Installation** | | 106d | | 13-Nov-14 | 05-Apr-15 | 01-Nov-14 A | 06-Feb-15 A | |
| **200 mm main pipeline with 100 and 50 mm dist. Pipe from A5+810 to sta.A5+900** | | 5d | | 01-Feb-15 | 07-Feb-15 | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5085 | Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from A5+810 to sta.A5+900 length (90 LM) | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5095 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (90LM) | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5105 | Backfill the pipe trench with (single size aggregate) to the required level (90LM) | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 02-Feb-15 A | 06-Feb-15 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A5+900 to sta.A9+970** | | 5d | | 08-Feb-15 | 12-Feb-15 | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5365 | Trench excavation for 200mm main pipeline with 150 mm ,50 mm dist. Pipe from A5+900 to sta.A5+970 length (70 LM) | 5d | 100% | 08-Feb-15 | 12-Feb-15 | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5375 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (70 LM) | 5d | 100% | 08-Feb-15 | 12-Feb-15 | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5385 | Backfill the pipe trench with (single size aggregate) to the required level (70 LM) | 5d | 100% | 08-Feb-15 | 12-Feb-15 | 18-Nov-14 A | 18-Nov-14 A | |
| **200mm main pipeline with 150 from A5+970 to sta.A6+220** | | 7d | | 20-Dec-14 | 29-Dec-14 | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5205 | Trench excavation for 200mm main pipeline with 150 from A5+970 to sta.A6+220 length (250 LM) | 7d | 100% | 20-Dec-14 | 29-Dec-14 | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5215 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (250 LM) | 7d | 100% | 20-Dec-14 | 29-Dec-14 | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5225 | Backfill the pipe trench with (single size aggregate) to the required level (250LM) | 7d | 100% | 20-Dec-14 | 29-Dec-14 | 11-Nov-14 A | 15-Nov-14 A | |
| **50 mm dist. Pipe from A5+990to sta.A6+210 and access 6+200** | | 5d | | 31-Mar-15 | 05-Apr-15 | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5115 | Trench excavation for 50 mm . Pipe from A5+990 to sta.A6+210 length (220 LM) and access 6+200 | 5d | 100% | 31-Mar-15 | 05-Apr-15 | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5125 | Bedding (crushed stone) and install the above Steel pipes with welding inspection (220 LM) | 5d | 100% | 31-Mar-15 | 05-Apr-15 | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5135 | Backfill the pipe trench with (single size aggregate) to the required level (220 LM) | 5d | 100% | 31-Mar-15 | 05-Apr-15 | 15-Nov-14 A | 18-Nov-14 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+220 to sta.A6+630** | | 9d | | 26-Jan-15 | 07-Feb-15 | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5145 | Trench excavation for 200mm main pipeline with 150 mm ,50 mm dist. Pipe from A6+220 to sta.A6+630 length (410 LM) | 9d | 100% | 26-Jan-15 | 07-Feb-15 | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5155 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (410 LM) | 9d | 100% | 26-Jan-15 | 07-Feb-15 | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5165 | Backfill the pipe trench with (single size aggregate) to the required level (410 LM) | 9d | 100% | 26-Jan-15 | 07-Feb-15 | 07-Nov-14 A | 11-Nov-14 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+630 to sta.A6+800** | | 5d | | 13-Nov-14 | 19-Nov-14 | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4040 | Trench excavation for 200mm main pipeline with 150 mm, 50mm dist. Pipe from A6+630 to sta.A6+800 length (170 LM) | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4050 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (170 LM) | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4060 | Backfill the pipe trench with (single size aggregate) to the required level | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 01-Nov-14 A | 07-Nov-14 A | |
| **Civil Chamber work** | | 98d | | 10-Jan-15 | 25-Apr-15 | 13-Jan-15 A | 10-May-15 | -3d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

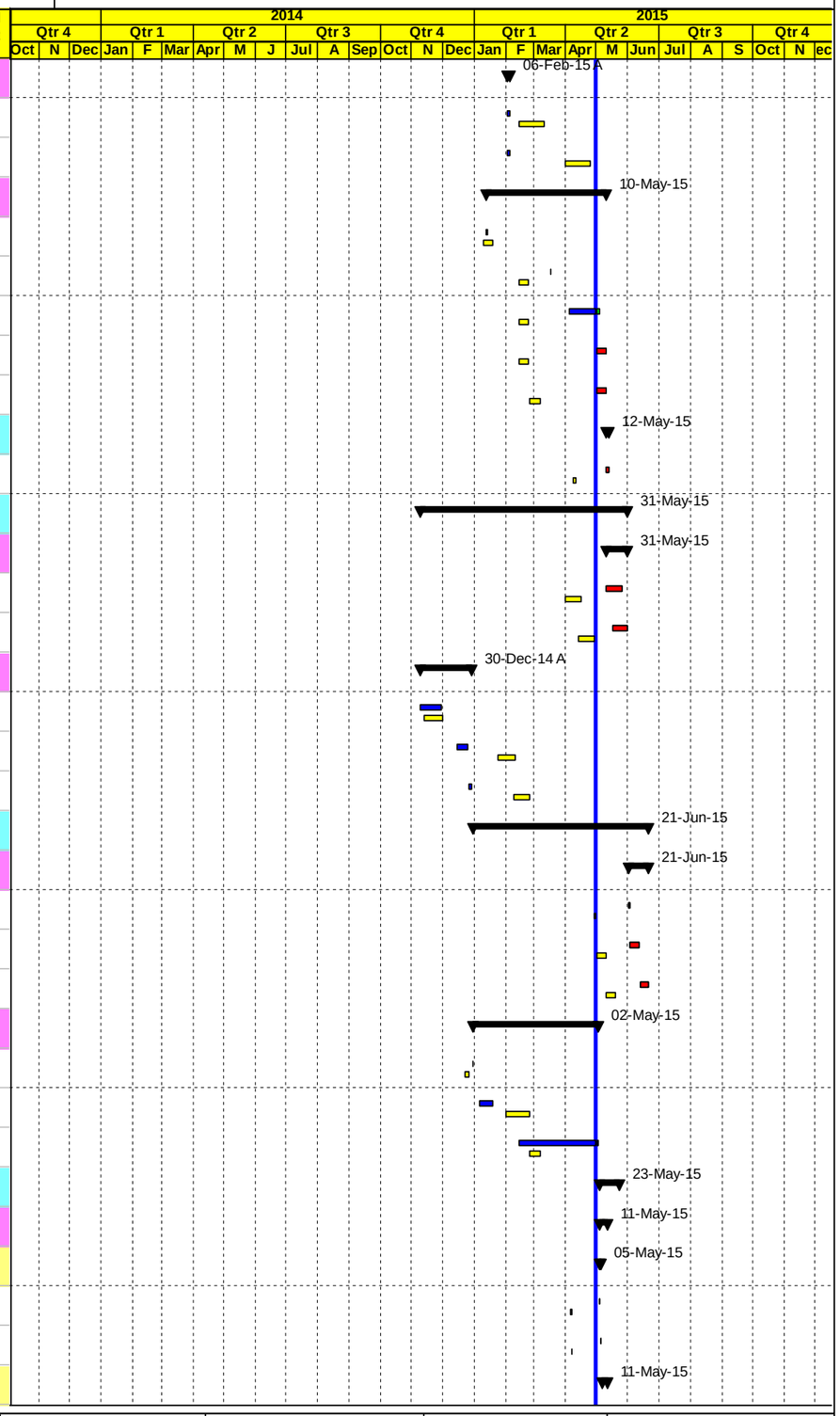
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Civil Chamber work for transmission pipeline** | | 59d | | 14-Feb-15 | 25-Apr-15 | 03-Feb-15 A | 06-Feb-15 A | |
| NHT3990-new | Construct - Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ A6+200 | 21d | 100% | 14-Feb-15 | 11-Mar-15 | 03-Feb-15 A | 05-Feb-15 A | |
| NHT3995-new | Construct - ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 21d | 100% | 31-Mar-15 | 25-Apr-15 | 03-Feb-15 A | 06-Feb-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 98d | | 10-Jan-15 | 07-Mar-15 | 13-Jan-15 A | 10-May-15 | -3d |
| NHT4110-new | Construct - Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+200 | 6d | 100% | 10-Jan-15 | 19-Jan-15 | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4000-new | Construct -Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @A5+900 | 8d | 100% | 14-Feb-15 | 23-Feb-15 | 17-Mar-15 A | 17-Mar-15 A | |
| NHT4100-new | Construct -Combined Gate Valve chamber(75,50mm, PN16, pipeline Dia.75,70 mm) @A5+990 | 8d | 70% | 14-Feb-15 | 23-Feb-15 | 04-Apr-15 A | 04-May-15 | 3d |
| NHT4115-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A6+460 LHS | 8d | 0% | 14-Feb-15 | 23-Feb-15 | 02-May-15 | 10-May-15 | -3d |
| NHT4385-new | Construct -Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 8d | 0% | 25-Feb-15 | 07-Mar-15 | 02-May-15 | 10-May-15 | -6d |
| **Testing** | | 2d | | 08-Apr-15 | 11-Apr-15 | 11-May-15 | 12-May-15 | -3d |
| NHT3940 | Pressure Testing | 2d | 0% | 08-Apr-15 | 11-Apr-15 | 11-May-15 | 12-May-15 | -3d |
| **Base course** | | 154d | | 13-Nov-14 | 28-Apr-15 | 10-Nov-14 A | 31-May-15 | -29d |
| **from St. 5+800 6+240** | | 20d | | 31-Mar-15 | 28-Apr-15 | 10-May-15 | 31-May-15 | -29d |
| NHT3950 | 20 cm thick for first base course layer from St. 5+800-6+240 | 14d | 0% | 31-Mar-15 | 16-Apr-15 | 10-May-15 | 25-May-15 | -29d |
| NHT4220 | 20 cm thick for second base course layer from St. 5+800-6+240 | 14d | 0% | 13-Apr-15 | 28-Apr-15 | 17-May-15 | 31-May-15 | -29d |
| **from St. 6+240 6+800** | | 73d | | 13-Nov-14 | 24-Feb-15 | 10-Nov-14 A | 30-Dec-14 A | |
| NHT3982-NEW | Topping from sta. 6+240 to sta. 6+800( 20 cm) | 11d | 100% | 13-Nov-14 | 01-Dec-14 | 10-Nov-14 A | 30-Nov-14 A | |
| NHT4210 | 15 cm thick for first base course layer from St. 6+240-6+800 | 15d | 100% | 24-Jan-15 | 10-Feb-15 | 15-Dec-14 A | 26-Dec-14 A | |
| NHT3960 | 15 cm thick for second base course layer from St. 6+240-6+800 | 14d | 100% | 09-Feb-15 | 24-Feb-15 | 27-Dec-14 A | 30-Dec-14 A | |
| **Side walk and asphalt** | | 145d | | 23-Dec-14 | 19-May-15 | 31-Dec-14 A | 21-Jun-15 | -29d |
| **from St. 5+800 6+240** | | 18d | | 29-Apr-15 | 19-May-15 | 01-Jun-15 | 21-Jun-15 | -29d |
| NHT5285 | 5cm asphalt binder course including prime coat from St. 5+800-6+350 | 2d | 0% | 29-Apr-15 | 30-Apr-15 | 01-Jun-15 | 02-Jun-15 | -29d |
| NHT5305 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 5+800-6+350 | 8d | 0% | 02-May-15 | 10-May-15 | 03-Jun-15 | 11-Jun-15 | -29d |
| NHT4260 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 0% | 11-May-15 | 19-May-15 | 13-Jun-15 | 21-Jun-15 | -29d |
| **from St. 6+240 6+800** | | 83d | | 23-Dec-14 | 07-Mar-15 | 31-Dec-14 A | 02-May-15 | 8d |
| NHT4240 | 5cm asphalt binder course including prime coat from St. 6+350-6+800 | 3d | 100% | 23-Dec-14 | 27-Dec-14 | 31-Dec-14 A | 31-Dec-14 A | |
| NHT4250 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 6+350-6+630 | 20d | 100% | 01-Feb-15 | 25-Feb-15 | 06-Jan-15 A | 20-Jan-15 A | |
| NHT5415 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 90% | 25-Feb-15 | 07-Mar-15 | 14-Feb-15 A | 02-May-15 | 8d |
| **Mechanical Chambers work** | | 17d | | 06-Apr-15 | 23-Apr-15 | 04-May-15 | 23-May-15 | -15d |
| **Welding flanges** | | 7d | | 06-Apr-15 | 14-Apr-15 | 04-May-15 | 11-May-15 | -6d |
| **Transmission pipeline** | | 2d | | 06-Apr-15 | 07-Apr-15 | 04-May-15 | 05-May-15 | -13d |
| NHT1300-MECH | Welding flanges for ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 1d | 0% | 06-Apr-15 | 06-Apr-15 | 04-May-15 | 04-May-15 | -13d |
| NHT1310-MECH | Welding flanges for Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ A6+200 | 1d | 0% | 07-Apr-15 | 07-Apr-15 | 05-May-15 | 05-May-15 | -13d |
| **Distribution pipeline** | | 5d | | 08-Apr-15 | 14-Apr-15 | 06-May-15 | 11-May-15 | -6d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

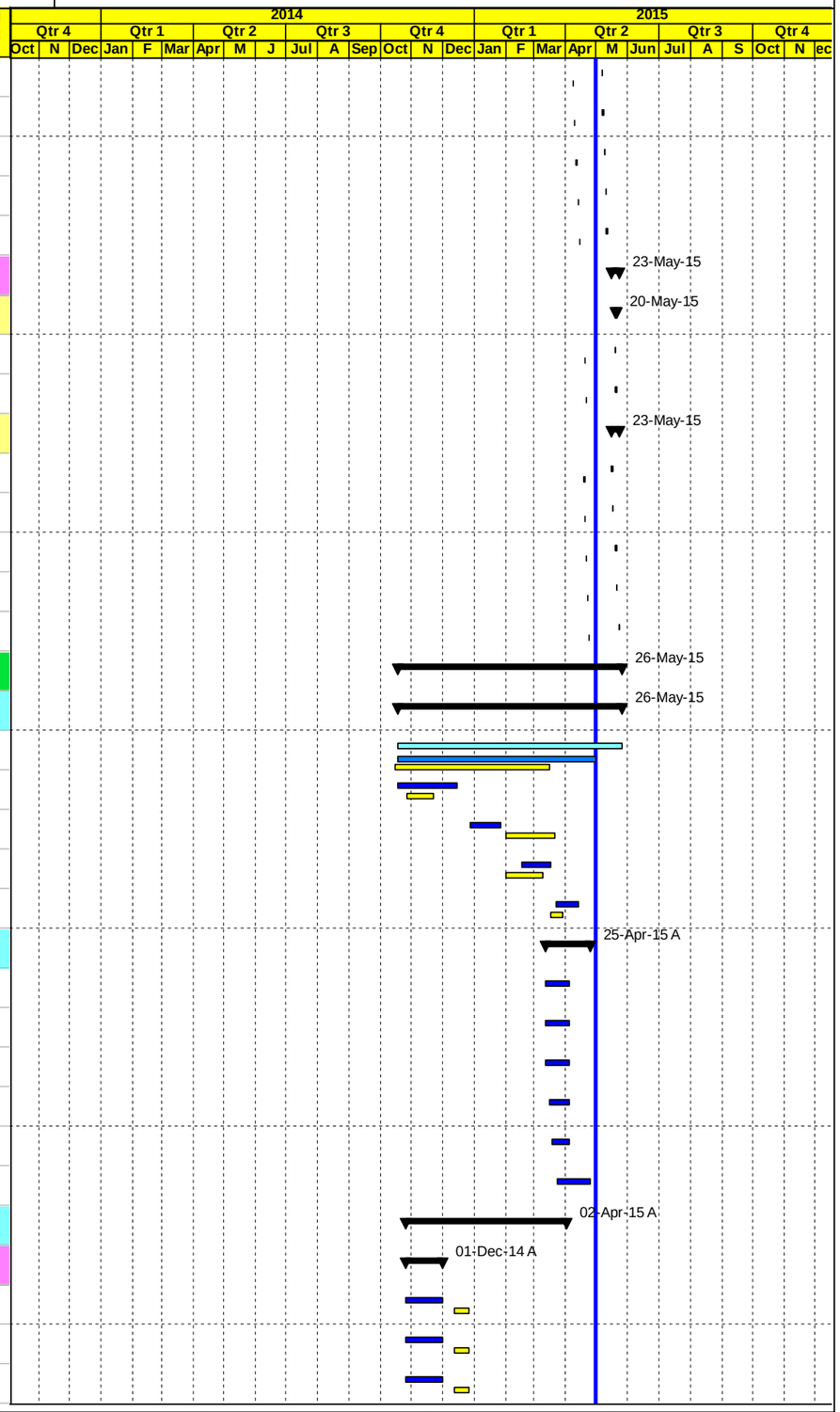
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1320-MECH | Welding flanges for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @ A5+900 | 1d | 0% | 08-Apr-15 | 08-Apr-15 | 06-May-15 | 06-May-15 | -13d |
| NHT1330-MECH | Welding flanges for Combined Gate Valve chamber (75,50mm, PN16, pipeline Dia.75,70 mm) @ A5+990 | 1d | 0% | 09-Apr-15 | 09-Apr-15 | 07-May-15 | 07-May-15 | -6d |
| NHT1340-MECH | Welding flanges for Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+200 | 1d | 0% | 11-Apr-15 | 11-Apr-15 | 09-May-15 | 09-May-15 | -6d |
| NHT1350-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ A6+460 LHS | 1d | 0% | 13-Apr-15 | 13-Apr-15 | 10-May-15 | 10-May-15 | -6d |
| NHT1460-MECH | Welding flanges for Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 1d | 0% | 14-Apr-15 | 14-Apr-15 | 11-May-15 | 11-May-15 | -6d |
| **Mechanical fittings installation** | | 7d | | 19-Apr-15 | 23-Apr-15 | 16-May-15 | 23-May-15 | -15d |
| **Transmission pipeline** | | 2d | | 20-Apr-15 | 21-Apr-15 | 19-May-15 | 20-May-15 | -15d |
| NHT1360-MECH | Fittings installation for ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 1d | 0% | 20-Apr-15 | 20-Apr-15 | 19-May-15 | 19-May-15 | -15d |
| NHT1370-MECH | Fittings installation for Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ A6+200 | 1d | 0% | 21-Apr-15 | 21-Apr-15 | 20-May-15 | 20-May-15 | -15d |
| **Distribution pipeline** | | 7d | | 19-Apr-15 | 23-Apr-15 | 16-May-15 | 23-May-15 | -15d |
| NHT1380-MECH | Fittings installation for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @A5+900 | 1d | 0% | 19-Apr-15 | 19-Apr-15 | 16-May-15 | 16-May-15 | -13d |
| NHT1390-MECH | Fittings installation for Combined Gate Valve chamber(75,50mm, PN16, pipeline Dia.75,70 mm) @A5+990 | 1d | 0% | 20-Apr-15 | 20-Apr-15 | 17-May-15 | 17-May-15 | -13d |
| NHT1400-MECH | Fittings installation for Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+200 | 1d | 0% | 21-Apr-15 | 21-Apr-15 | 20-May-15 | 20-May-15 | -15d |
| NHT1410-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A6+460 LHS | 1d | 0% | 22-Apr-15 | 22-Apr-15 | 21-May-15 | 21-May-15 | -15d |
| NHT1540-MECH | Fittings installation for Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 1d | 0% | 23-Apr-15 | 23-Apr-15 | 23-May-15 | 23-May-15 | -15d |
| **SEG.A From Sta.A6+800 to Sta. 7+460** | | 173d | | 16-Oct-14 | 03-May-15 | 18-Oct-14 A | 26-May-15 | 3d |
| **Safety, Excavation and storm system** | | 130d | | 16-Oct-14 | 28-Mar-15 | 18-Oct-14 A | 26-May-15 | -15d |
| NHT4010 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 118d | 50% | 16-Oct-14 | 16-Mar-15 | 18-Oct-14 A | 26-May-15 | -15d |
| NHT4280 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 6+800-7+100 | 18d | 100% | 27-Oct-14 | 22-Nov-14 | 19-Oct-14 A | 15-Dec-14 A | |
| NHT4130 | Retaining Wall from Sta.7+355 to Sta.7+393.4 LHS | 40d | 100% | 01-Feb-15 | 21-Mar-15 | 28-Dec-14 A | 27-Jan-15 A | |
| NHT4030 | Retaining Wall from Sta.7+170 to Sta.7+191.2 LHS | 30d | 100% | 01-Feb-15 | 09-Mar-15 | 17-Feb-15 A | 18-Mar-15 A | |
| NHT4020 | Excavation for reconstruction road including subgrade work (7+100 - 7+460) | 10d | 100% | 17-Mar-15 | 28-Mar-15 | 23-Mar-15 A | 14-Apr-15 A | |
| **Concrete wall** | | 21d | | | | 12-Mar-15 A | 25-Apr-15 A | |
| NHT4021-new | Concrete wall from Sta. A6+680 to Sta. 6+685 RHS | 21d | 100% | | | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4022-new | Concrete wall from Sta. A6+420 to Sta. 6+425 RHS | 21d | 100% | | | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4023-new | Concrete wall from Sta. A6+400 to Sta. 6+403 RHS | 21d | 100% | | | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4024-new | Concrete wall from Sta. A7+205 to Sta. 7+215 LHS | 21d | 100% | | | 16-Mar-15 A | 04-Apr-15 A | |
| NHT4020-new | Concrete wall from Sta. A6+710 to Sta. 6+760 RHS | 21d | 100% | | | 19-Mar-15 A | 04-Apr-15 A | |
| NHT4025-new | Concrete wall from Sta. A7+492 to Sta. 7+510 LHS | 21d | 100% | | | 23-Mar-15 A | 25-Apr-15 A | |
| **Pipe Installation** | | 16d | | 13-Dec-14 | 03-Jan-15 | 26-Oct-14 A | 02-Apr-15 A | |
| **200 mm main pipeline with 150 mm and 75 mm dist. Pipe from A6+800 to sta.A7+270** | | 11d | | 13-Dec-14 | 27-Dec-14 | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4060-new | Trench excavation for 200mm main pipeline with 150 mm and 75 mm dist. Pipe from A6+800 to sta.A7+270 length (470 LM) | 11d | 100% | 13-Dec-14 | 27-Dec-14 | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4065-new | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (470 LM) | 11d | 100% | 13-Dec-14 | 27-Dec-14 | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4070-new | Backfill the pipe trench with (single size aggregate) to the required level (470 LM) | 10d | 100% | 13-Dec-14 | 27-Dec-14 | 26-Oct-14 A | 01-Dec-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

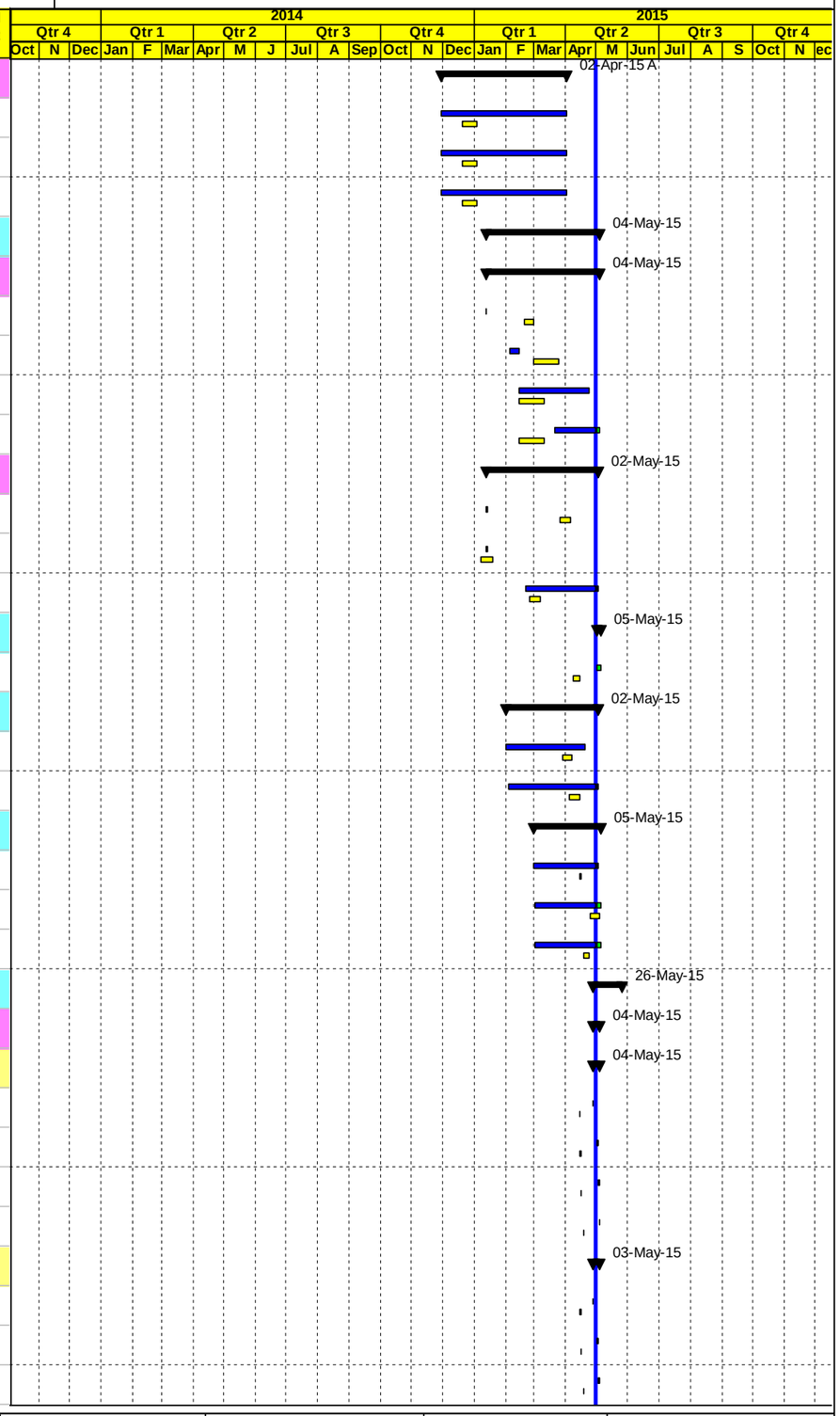
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A7+270 to sta.A7+470** | | 10d | | 20-Dec-14 | 03-Jan-15 | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5175 | Trench excavation for 200mm main pipeline with 150 mm, 50mm dist. Pipe from A7+270 to sta.A7+470 length (200 LM) | 10d | 100% | 20-Dec-14 | 03-Jan-15 | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5185 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (200LM) | 10d | 100% | 20-Dec-14 | 03-Jan-15 | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5195 | Backfill the pipe trench with (single size aggregate) to the required level | 10d | 100% | 20-Dec-14 | 03-Jan-15 | 30-Nov-14 A | 02-Apr-15 A | |
| **Civil Chamber work** | | 98d | | 08-Jan-15 | 05-Apr-15 | 13-Jan-15 A | 04-May-15 | 2d |
| **Civil Chamber work for transmission pipeline** | | 70d | | 14-Feb-15 | 25-Mar-15 | 13-Jan-15 A | 04-May-15 | 2d |
| NHT4070 | Construct - ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 8d | 100% | 19-Feb-15 | 28-Feb-15 | 13-Jan-15 A | 13-Jan-15 A | |
| NHT4080 | Construct-Combined ARV(200mm, PN25, pipeline Dia.200 mm)&three GV,200,200,80mm-PN25,pipeline Dia.200 mm)@A7+400 | 21d | 100% | 28-Feb-15 | 25-Mar-15 | 05-Feb-15 A | 15-Feb-15 A | |
| NHT4380 | Construct -Battir Connection chamber(150mm, PN16, pipeline Dia.150 mm)&( PN 16 bar, Gate valve DN 75 mm) @ Sta.A7+410 | 21d | 100% | 14-Feb-15 | 11-Mar-15 | 14-Feb-15 A | 24-Apr-15 A | |
| NHT4370 | Construct -Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 21d | 90% | 14-Feb-15 | 11-Mar-15 | 21-Mar-15 A | 04-May-15 | 2d |
| **Civil Chamber work for Distribution pipeline** | | 98d | | 08-Jan-15 | 05-Apr-15 | 13-Jan-15 A | 02-May-15 | 3d |
| NHT4090 | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 8d | 100% | 26-Mar-15 | 05-Apr-15 | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4390-new | Construct - ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 6d | 100% | 08-Jan-15 | 19-Jan-15 | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4395-new | Construct -Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 8d | 90% | 25-Feb-15 | 07-Mar-15 | 21-Feb-15 A | 02-May-15 | 3d |
| **Testing** | | 4d | | 08-Apr-15 | 14-Apr-15 | 02-May-15 | 05-May-15 | 3d |
| NHT4100 | Pressure Testing | 4d | 0% | 08-Apr-15 | 14-Apr-15 | 02-May-15 | 05-May-15 | 3d |
| **Base course , street lighting** | | 14d | | 29-Mar-15 | 14-Apr-15 | 01-Feb-15 A | 02-May-15 | 24d |
| NHT4120 | 20 cm thick for first base course layer from st.6+800 to st. 7+460 | 9d | 100% | 29-Mar-15 | 07-Apr-15 | 01-Feb-15 A | 20-Apr-15 A | |
| NHT4320 | 20 cm thick for second base course layer from 6+800 to st. 7+460 | 9d | 90% | 04-Apr-15 | 14-Apr-15 | 04-Feb-15 A | 02-May-15 | 24d |
| **Side walk and asphalt** | | 50d | | 15-Apr-15 | 03-May-15 | 28-Feb-15 A | 05-May-15 | 6d |
| NHT4340 | 5cm asphalt binder course including prime coat from St. 6+800 - 7+460 | 2d | 95% | 15-Apr-15 | 16-Apr-15 | 28-Feb-15 A | 02-May-15 | 10d |
| NHT4360 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 50% | 25-Apr-15 | 03-May-15 | 02-Mar-15 A | 05-May-15 | 6d |
| NHT5315 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 6+800 - 7+460 | 6d | 40% | 18-Apr-15 | 23-Apr-15 | 02-Mar-15 A | 05-May-15 | 7d |
| **Mechanical Chambers work** | | 22d | | 14-Apr-15 | 27-Apr-15 | 28-Apr-15 A | 26-May-15 | -15d |
| **Welding flanges** | | 6d | | 14-Apr-15 | 18-Apr-15 | 28-Apr-15 A | 04-May-15 | 3d |
| **Transmission pipeline** | | 5d | | 14-Apr-15 | 18-Apr-15 | 28-Apr-15 A | 04-May-15 | 3d |
| NHT1420-MECH | Welding flanges for ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 1d | 100% | 14-Apr-15 | 14-Apr-15 | 28-Apr-15 A | 28-Apr-15 A | |
| NHT1430-MECH | Welding flanges for Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 1d | 0% | 15-Apr-15 | 15-Apr-15 | 02-May-15 | 02-May-15 | 3d |
| NHT1440-MECH | Welding flanges for Combined ARV(200mm,PN25,pipeline Dia.200 mm)&3 GV,200,200,80mm-PN25,pipeline Dia.200 mm)@A7+400 | 1d | 0% | 16-Apr-15 | 16-Apr-15 | 03-May-15 | 03-May-15 | 3d |
| NHT1450-MECH | Welding flanges for Battir Connection (150mm, PN16, pipeline Dia.150mm)&( PN 16 bar, Gate valve DN 75mm) @A7+410 | 1d | 0% | 18-Apr-15 | 18-Apr-15 | 04-May-15 | 04-May-15 | 3d |
| **Distribution pipeline** | | 6d | | 15-Apr-15 | 18-Apr-15 | 28-Apr-15 A | 03-May-15 | 4d |
| NHT1470-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 1d | 100% | 15-Apr-15 | 15-Apr-15 | 28-Apr-15 A | 28-Apr-15 A | |
| NHT1480-MECH | Welding flanges for ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 1d | 0% | 16-Apr-15 | 16-Apr-15 | 02-May-15 | 02-May-15 | 4d |
| NHT1490-MECH | Welding flanges for Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 1d | 0% | 18-Apr-15 | 18-Apr-15 | 03-May-15 | 03-May-15 | 4d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

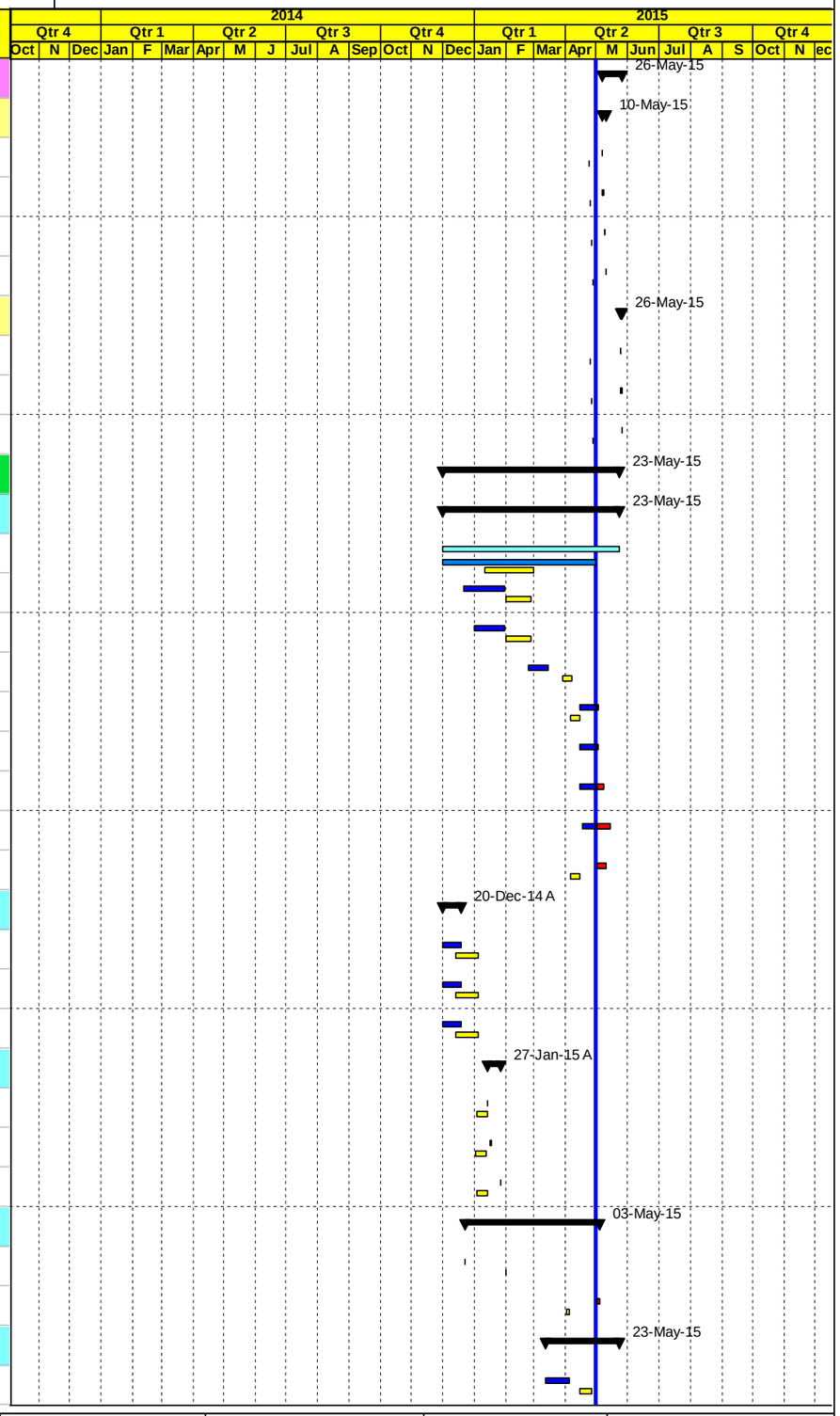
APCO ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Mechanical fittings installation** | | 18d | | 23-Apr-15 | 27-Apr-15 | 06-May-15 | 26-May-15 | -15d |
| **Transmission pipeline** | | 4d | | 23-Apr-15 | 27-Apr-15 | 06-May-15 | 10-May-15 | -1d |
| NHT1500-MECH | Fittings installation for ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 1d | 0% | 23-Apr-15 | 23-Apr-15 | 06-May-15 | 06-May-15 | -1d |
| NHT1510-MECH | Fittings installation for Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 1d | 0% | 25-Apr-15 | 25-Apr-15 | 07-May-15 | 07-May-15 | -1d |
| NHT1520-MECH | Fittings installation for Combined ARV(200mm,PN25,pipeline Dia.200mm)&3 GV,200,200,80mm-PN25,pipeline Dia.200 mm)@A7+400 | 1d | 0% | 26-Apr-15 | 26-Apr-15 | 09-May-15 | 09-May-15 | -1d |
| NHT1530-MECH | Fittings installation for Battir Connection (150mm, PN16, pipeline Dia.150mm)&( PN 16 bar, Gate valve DN 75mm)@A7+410 | 1d | 0% | 27-Apr-15 | 27-Apr-15 | 10-May-15 | 10-May-15 | -1d |
| **Distribution pipeline** | | 3d | | 25-Apr-15 | 27-Apr-15 | 24-May-15 | 26-May-15 | -15d |
| NHT1550-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 1d | 0% | 25-Apr-15 | 25-Apr-15 | 24-May-15 | 24-May-15 | -15d |
| NHT1560-MECH | Fittings installation for ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 1d | 0% | 26-Apr-15 | 26-Apr-15 | 25-May-15 | 25-May-15 | -15d |
| NHT1570-MECH | Fittings installation for Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 1d | 0% | 27-Apr-15 | 27-Apr-15 | 26-May-15 | 26-May-15 | -15d |
| **SEG.A Road From Sta. 7+460 to Sta. A8+203** | | 128d | | 14-Dec-14 | 13-May-15 | 02-Dec-14 A | 23-May-15 | -8d |
| **Safety and Excavation** | | 98d | | 12-Jan-15 | 14-Apr-15 | 02-Dec-14 A | 23-May-15 | -8d |
| NHT4390 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 37d | 70% | 12-Jan-15 | 28-Feb-15 | 02-Dec-14 A | 23-May-15 | -8d |
| NHT4700 | Retaining Wall from Sta.7+530 to Sta.7+564 LHS | 21d | 100% | 01-Feb-15 | 25-Feb-15 | 22-Dec-14 A | 31-Jan-15 A | |
| NHT4690 | Retaining Wall from Sta.7+475 to Sta.7+488 LHS | 21d | 100% | 01-Feb-15 | 25-Feb-15 | 01-Jan-15 A | 31-Jan-15 A | |
| NHT4400 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 29-Mar-15 | 06-Apr-15 | 24-Feb-15 A | 15-Mar-15 A | |
| NHT4500 | Pipe Culvert (600 mm) At Sta.7+792.4-Segment A | 8d | 90% | 05-Apr-15 | 14-Apr-15 | 15-Apr-15 A | 02-May-15 | -4d |
| NHT4590 | Boundary Wall From Sta. A7+515 to A7+530 LHS | 10d | 90% | | | 15-Apr-15 A | 02-May-15 | 3d |
| NHT4740 | Boundary Wall From Sta. A7+675 to A7+690 RHS | 10d | 40% | | | 15-Apr-15 A | 07-May-15 | -2d |
| NHT4750 | One Side Shuttering From Sta. A7+750 to Sta. A7+780 RHS | 20d | 40% | | | 18-Apr-15 A | 14-May-15 | -8d |
| NHT4720 | Construction of 800 mm pipe culvert @St. 8+150 | 8d | 0% | 05-Apr-15 | 14-Apr-15 | 02-May-15 | 10-May-15 | -4d |
| **Pipe Installation** | | 15d | | 14-Dec-14 | 05-Jan-15 | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4410 | Trench excavation for 75 mm pipes (7+400 to 8+180) (780 LM) | 15d | 100% | 14-Dec-14 | 05-Jan-15 | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4415 | Bedding (crushed stone) and install the above main with welding inspection (780 LM) | 15d | 100% | 14-Dec-14 | 05-Jan-15 | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4435 | Backfill the pipe trench with (single size aggregate) to the required level | 15d | 100% | 14-Dec-14 | 05-Jan-15 | 02-Dec-14 A | 20-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 5d | | 03-Jan-15 | 14-Jan-15 | 14-Jan-15 A | 27-Jan-15 A | |
| NHT4475-new | Construct - ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 4d | 100% | 04-Jan-15 | 14-Jan-15 | 14-Jan-15 A | 14-Jan-15 A | |
| NHT4420 | Construct -Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 4d | 100% | 03-Jan-15 | 12-Jan-15 | 17-Jan-15 A | 18-Jan-15 A | |
| NHT4470-new | Construct - Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 4d | 100% | 04-Jan-15 | 14-Jan-15 | 27-Jan-15 A | 27-Jan-15 A | |
| **Testing** | | 76d | | 01-Feb-15 | 04-Apr-15 | 23-Dec-14 A | 03-May-15 | -3d |
| NHT4730 | Radiographic Testing (RT) | 1d | 100% | 01-Feb-15 | 01-Feb-15 | 23-Dec-14 A | 23-Dec-14 A | |
| NHT4430 | Pressure Testing | 2d | 0% | 01-Apr-15 | 04-Apr-15 | 02-May-15 | 03-May-15 | -3d |
| **Base course and Asphalt** | | 44d | | 15-Apr-15 | 13-May-15 | 12-Mar-15 A | 23-May-15 | -8d |
| NHT4440 | 20 cm thick for first base course layer | 10d | 100% | 15-Apr-15 | 26-Apr-15 | 12-Mar-15 A | 05-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO ArCon CONSTRUCTION AND SERVICES

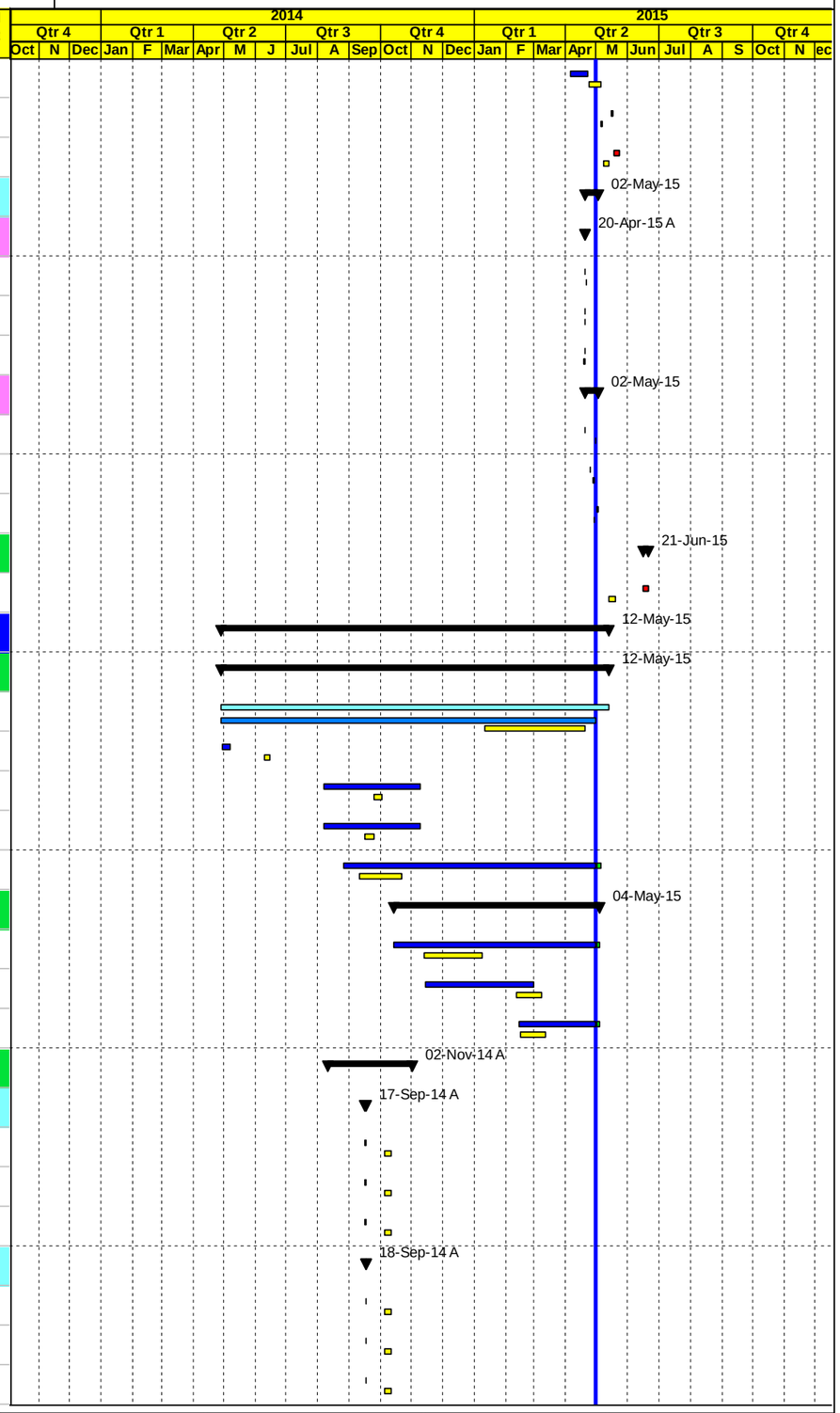
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT4450 | 20 cm thick for second base course layer | 10d | 100% | 23-Apr-15 | 05-May-15 | 06-Apr-15 A | 23-Apr-15 A | |
| NHT4460 | 5cm asphalt binder course including prime coat | 2d | 0% | 05-May-15 | 07-May-15 | 16-May-15 | 17-May-15 | -8d |
| NHT4470 | Construct curbstone after Saw cut the edge of asphalt binder course | 5d | 0% | 07-May-15 | 13-May-15 | 18-May-15 | 23-May-15 | -8d |
| **Mechanical Chambers work** | | 22d | | 19-Apr-15 | 30-Apr-15 | 20-Apr-15 A | 02-May-15 | 6d |
| **Welding flanges** | | 3d | | 19-Apr-15 | 21-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1600-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 1d | 100% | 21-Apr-15 | 21-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1590-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 1d | 100% | 20-Apr-15 | 20-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1580-MECH | Welding flanges for Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 1d | 100% | 19-Apr-15 | 19-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| **Mechanical fittings installation** | | 21d | | 28-Apr-15 | 30-Apr-15 | 20-Apr-15 A | 02-May-15 | 6d |
| NHT1630-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 1d | 100% | 30-Apr-15 | 30-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1610-MECH | Fittings installation for Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 1d | 100% | 28-Apr-15 | 28-Apr-15 | 25-Apr-15 A | 25-Apr-15 A | |
| NHT1620-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 1d | 0% | 29-Apr-15 | 29-Apr-15 | 02-May-15 | 02-May-15 | 6d |
| **Asphalt for SEG. A5+800 to 8+203 A** | | 6d | | 13-May-15 | 19-May-15 | 15-Jun-15 | 21-Jun-15 | -29d |
| NHT4708 | 5 cm Asphalt wearing course including prime and tack coats | 6d | 0% | 13-May-15 | 19-May-15 | 15-Jun-15 | 21-Jun-15 | -29d |
| **Phase Two SEG.B From Sta. B0+000 to Sta. B0+985 RHS & LHS** | | 274d | | 10-Jun-14 | 20-Apr-15 | 28-Apr-14 A | 12-May-15 | 15d |
| **Safety, Excavation and Storm system** | | 254d | | 10-Jun-14 | 20-Apr-15 | 28-Apr-14 A | 12-May-15 | 15d |
| NHT5475 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 80d | 90% | 12-Jan-15 | 20-Apr-15 | 28-Apr-14 A | 12-May-15 | -3d |
| NHT4650 | Removing Asphalt | 5d | 100% | 10-Jun-14 | 15-Jun-14 | 29-Apr-14 A | 07-May-14 A | |
| NHT4640 | Excavation for reconstruction road including subgrade work LHS | 9d | 100% | 24-Sep-14 | 02-Oct-14 | 07-Aug-14 A | 10-Nov-14 A | |
| NHT4480 | Excavation for reconstruction road including subgrade work RHS | 10d | 100% | 15-Sep-14 | 24-Sep-14 | 07-Aug-14 A | 10-Nov-14 A | |
| NHT4490 | Construct 600 &400 mm concrete pipe for storm sytem with manholes & catch basin from B0+110 to B0+230 - & B0+700-0+930 | 40d | 90% | 10-Sep-14 | 22-Oct-14 | 26-Aug-14 A | 05-May-15 | 21d |
| **Concrete Wall** | | 85d | | 13-Nov-14 | 11-Mar-15 | 15-Oct-14 A | 04-May-15 | 2d |
| NHT4490-new | Boundary Wall Segment B | 37d | 95% | 13-Nov-14 | 08-Jan-15 | 15-Oct-14 A | 03-May-15 | 3d |
| NHT4495-new | Retaining Wall Segments B0+820 TO 0+859 RHS | 21d | 100% | 11-Feb-15 | 08-Mar-15 | 15-Nov-14 A | 01-Mar-15 A | |
| NHT4498-new | Retaining Wall from Sta.B0+690 to Sta.B0+708 RHS | 21d | 90% | 15-Feb-15 | 11-Mar-15 | 14-Feb-15 A | 04-May-15 | 2d |
| **Pipe Installation** | | 39d | | 05-Oct-14 | 24-Nov-14 | 11-Aug-14 A | 02-Nov-14 A | |
| **100 mm main pipeline from** | | 3d | | 05-Oct-14 | 12-Oct-14 | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4510 | Trench excavation for 100 mm main pipeline from B0+000 to sta.B0+100 with length approx. (100 LM) RHS | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4513 | Bedding (crushed stone) and install the above main with welding inspection (100 LM) RHS | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4515 | Backfill the pipe trench with (single size aggregate) to the required level (100 LM) RHS | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 16-Sep-14 A | 17-Sep-14 A | |
| **100 mm main pipeline with 50 mm dist. Pipe** | | 3d | | 05-Oct-14 | 12-Oct-14 | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5055 | Trench excavation for 100 mm main pipeline with 50 mm dist. Pipefrom B0+100 to st.B0+185 with length approx. (85LM | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5065 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (85 LM) RHS | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5075 | Backfill the pipe trench with (single size aggregate) to the required level (85 LM) RHS | 3d | 100% | 05-Oct-14 | 12-Oct-14 | 17-Sep-14 A | 18-Sep-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

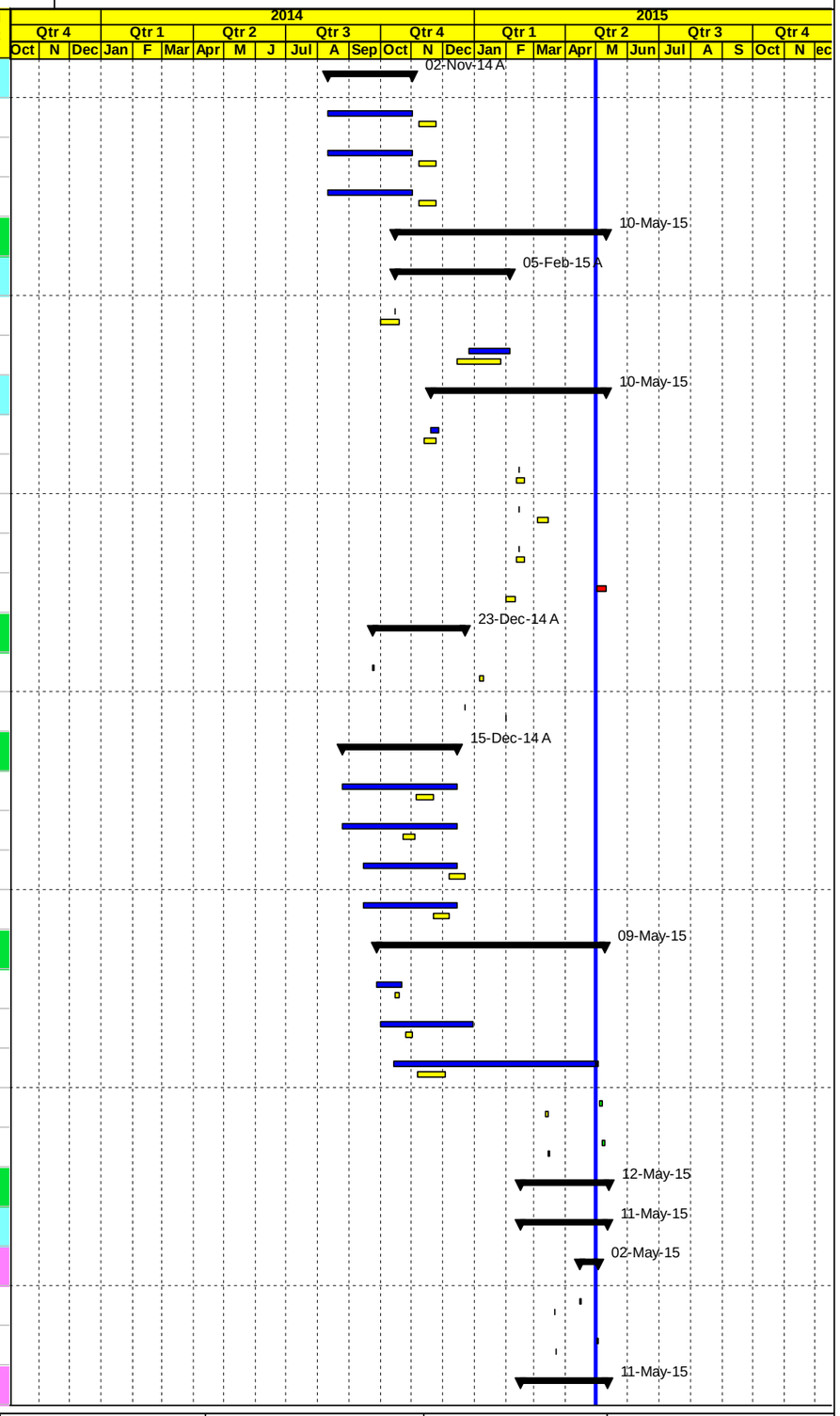
APCO ArCon
CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **100 mm main pipeline with 100 mm dist. Pipe** | | 12d | | 08-Nov-14 | 24-Nov-14 | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4520 | Trench excavation for 100mm main pipeline with 100 &50mm mm dist. Pipe from B0+185 toB0+988 with length. (803 LM) RH | 12d | 100% | 08-Nov-14 | 24-Nov-14 | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4540 | Backfill the pipe trench with (single size aggregate) to the required level RHS | 12d | 100% | 08-Nov-14 | 24-Nov-14 | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4530 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (803 LM) RHS | 12d | 100% | 08-Nov-14 | 24-Nov-14 | 11-Aug-14 A | 02-Nov-14 A | |
| **Civil Chamber work** | | 170d | | 01-Oct-14 | 14-Mar-15 | 16-Oct-14 A | 10-May-15 | -3d |
| **Civil Chamber work for transmission pipeline** | | 85d | | 01-Oct-14 | 27-Jan-15 | 16-Oct-14 A | 05-Feb-15 A | |
| NHT4630 | Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 15d | 100% | 01-Oct-14 | 20-Oct-14 | 16-Oct-14 A | 16-Oct-14 A | |
| NHT4550 | Construct -Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 28d | 100% | 15-Dec-14 | 27-Jan-15 | 27-Dec-14 A | 05-Feb-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 135d | | 13-Nov-14 | 14-Mar-15 | 20-Nov-14 A | 10-May-15 | -3d |
| NHT4570-new | Construct -Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 LHS | 7d | 100% | 13-Nov-14 | 24-Nov-14 | 20-Nov-14 A | 27-Nov-14 A | |
| NHT4555-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 8d | 100% | 11-Feb-15 | 19-Feb-15 | 15-Feb-15 A | 15-Feb-15 A | |
| NHT4575-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 8d | 100% | 04-Mar-15 | 14-Mar-15 | 15-Feb-15 A | 15-Feb-15 A | |
| NHT4565-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 8d | 100% | 11-Feb-15 | 19-Feb-15 | 15-Feb-15 A | 15-Feb-15 A | |
| NHT4580-new | Construct -Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 8d | 0% | 01-Feb-15 | 10-Feb-15 | 02-May-15 | 10-May-15 | -3d |
| **Testing** | | 17d | | 06-Jan-15 | 01-Feb-15 | 24-Sep-14 A | 23-Dec-14 A | |
| NHT4560 | Pressure Testing | 0d | 100% | 06-Jan-15 | 10-Jan-15 | 24-Sep-14 A | 25-Sep-14 A | |
| NHT5425 | Radiographic Testing (RT) | 1d | 100% | 01-Feb-15 | 01-Feb-15 | 23-Dec-14 A | 23-Dec-14 A | |
| **Base course , street lighting** | | 44d | | 23-Oct-14 | 23-Dec-14 | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4660 | 20 cm thick for first base course layer LHS | 12d | 100% | 05-Nov-14 | 22-Nov-14 | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4570 | 20 cm thick for first base course layer RHS | 10d | 100% | 23-Oct-14 | 04-Nov-14 | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4670 | 20 cm thick for second base course layer LHS | 13d | 100% | 07-Dec-14 | 23-Dec-14 | 15-Sep-14 A | 15-Dec-14 A | |
| NHT4580 | 20 cm thick for second base course layer RHS | 9d | 100% | 22-Nov-14 | 07-Dec-14 | 15-Sep-14 A | 15-Dec-14 A | |
| **Side walk an asphalt** | | 158d | | 15-Oct-14 | 16-Mar-15 | 28-Sep-14 A | 09-May-15 | 2d |
| NHT4600 | 5cm asphalt binder course including prime coat | 3d | 100% | 15-Oct-14 | 19-Oct-14 | 28-Sep-14 A | 22-Oct-14 A | |
| NHT4610 | Construct curbstone after Saw cut the edge of asphalt binder course | 7d | 100% | 25-Oct-14 | 01-Nov-14 | 01-Oct-14 A | 31-Dec-14 A | |
| NHT4620 | Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk | 17d | 95% | 06-Nov-14 | 03-Dec-14 | 15-Oct-14 A | 02-May-15 | 6d |
| NHT4680 | 5cm asphalt binder course including prime coat from St.B 0+950 to St. 0+980 | 2d | 0% | 12-Mar-15 | 14-Mar-15 | 04-May-15 | 06-May-15 | 2d |
| NHT5245 | 5 cm Asphalt wearing course including prime and tack coats | 2d | 0% | 15-Mar-15 | 16-Mar-15 | 06-May-15 | 09-May-15 | 2d |
| **Mechanical Chambers work** | | 35d | | 21-Mar-15 | 06-Apr-15 | 16-Feb-15 A | 12-May-15 | -3d |
| **Welding flanges** | | 34d | | 21-Mar-15 | 26-Mar-15 | 16-Feb-15 A | 11-May-15 | -3d |
| **Transmission pipeline** | | 26d | | 21-Mar-15 | 22-Mar-15 | 15-Apr-15 A | 02-May-15 | 5d |
| NHT1640-MECH | Welding flanges for Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 1d | 100% | 21-Mar-15 | 21-Mar-15 | 15-Apr-15 A | 15-Apr-15 A | |
| NHT1650-MECH | Welding flanges for Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 1d | 0% | 22-Mar-15 | 22-Mar-15 | 02-May-15 | 02-May-15 | 5d |
| **Distribution pipeline** | | 33d | | 22-Mar-15 | 26-Mar-15 | 16-Feb-15 A | 11-May-15 | -3d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

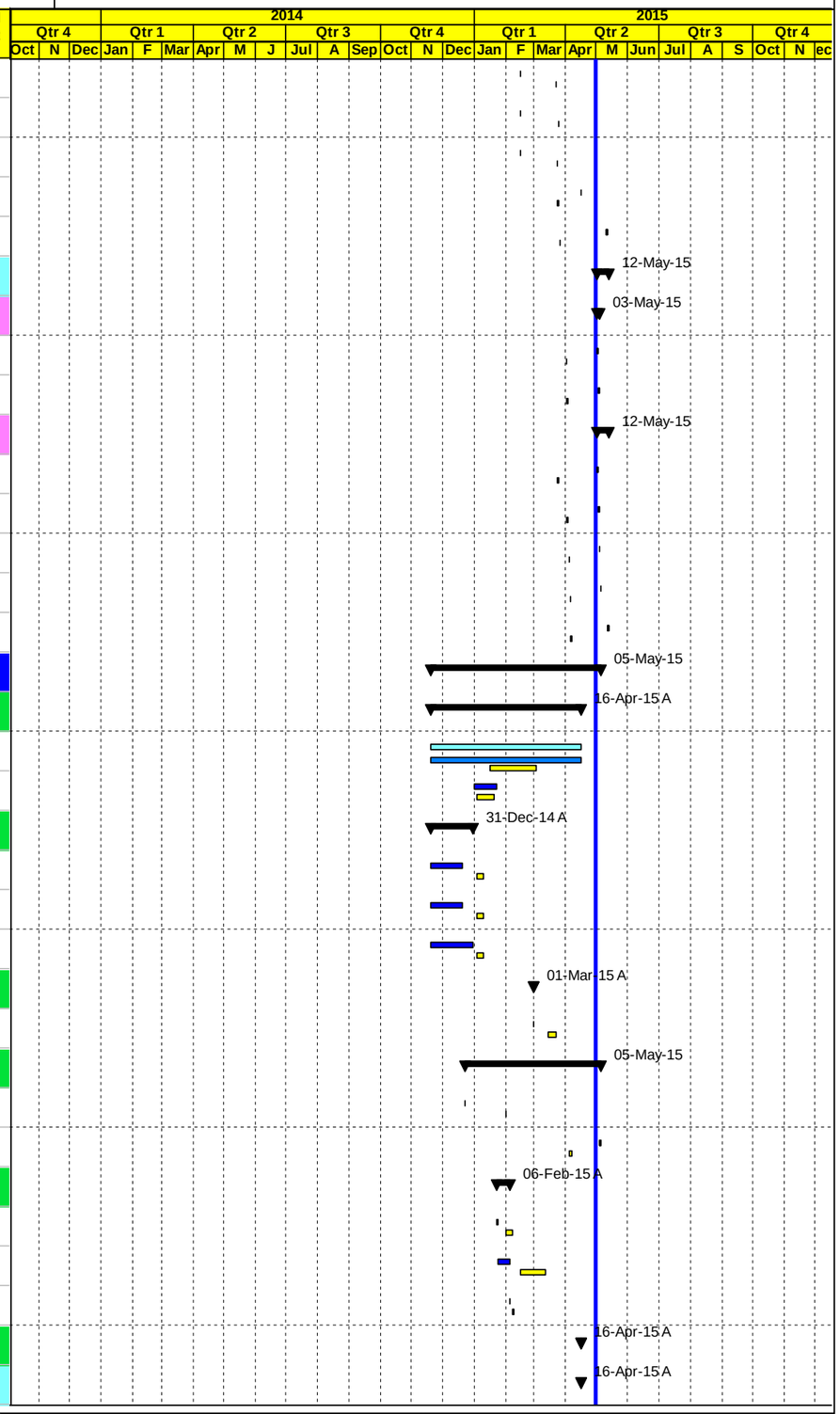
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1660-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 1d | 100% | 22-Mar-15 | 22-Mar-15 | 16-Feb-15 A | 16-Feb-15 A | |
| NHT1700-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 1d | 100% | 25-Mar-15 | 25-Mar-15 | 16-Feb-15 A | 16-Feb-15 A | |
| NHT1680-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 1d | 100% | 23-Mar-15 | 23-Mar-15 | 16-Feb-15 A | 16-Feb-15 A | |
| NHT1690-MECH | Welding flanges for Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 LHS | 1d | 100% | 24-Mar-15 | 24-Mar-15 | 16-Apr-15 A | 16-Apr-15 A | |
| NHT1710-MECH | Welding flanges for Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 1d | 0% | 26-Mar-15 | 26-Mar-15 | 11-May-15 | 11-May-15 | -3d |
| **Mechanical fittings installation** | | 10d | | 24-Mar-15 | 06-Apr-15 | 02-May-15 | 12-May-15 | -3d |
| **Transmission pipeline** | | 2d | | 01-Apr-15 | 02-Apr-15 | 02-May-15 | 03-May-15 | 5d |
| NHT1720-MECH | Fittings installation for Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 1d | 0% | 01-Apr-15 | 01-Apr-15 | 02-May-15 | 02-May-15 | 2d |
| NHT1730-MECH | Fittings installation for Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 1d | 0% | 02-Apr-15 | 02-Apr-15 | 03-May-15 | 03-May-15 | 5d |
| **Distribution pipeline** | | 10d | | 24-Mar-15 | 06-Apr-15 | 02-May-15 | 12-May-15 | -3d |
| NHT1760-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 1d | 0% | 24-Mar-15 | 24-Mar-15 | 02-May-15 | 02-May-15 | 3d |
| NHT1740-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 1d | 0% | 02-Apr-15 | 02-Apr-15 | 03-May-15 | 03-May-15 | 2d |
| NHT1770-MECH | Fittings installation for Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 LHS | 1d | 0% | 04-Apr-15 | 04-Apr-15 | 04-May-15 | 04-May-15 | 2d |
| NHT1780-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 1d | 0% | 05-Apr-15 | 05-Apr-15 | 05-May-15 | 05-May-15 | 2d |
| NHT1790-MECH | Fittings installation for Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 1d | 0% | 06-Apr-15 | 06-Apr-15 | 12-May-15 | 12-May-15 | -3d |
| **Phase Three SEG.C From St.C0+000 -St.C0+330** | | 96d | | 03-Jan-15 | 07-Apr-15 | 20-Nov-14 A | 05-May-15 | -3d |
| **Safety and Excavation** | | 42d | | 04-Jan-15 | 03-Mar-15 | 20-Nov-14 A | 16-Apr-15 A | |
| NHT3060 | Maintain traffic control and safety plan with coordination | 37d | 100% | 17-Jan-15 | 03-Mar-15 | 20-Nov-14 A | 16-Apr-15 A | |
| NHT3070 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 04-Jan-15 | 20-Jan-15 | 02-Jan-15 A | 24-Jan-15 A | |
| **Pipe Installation** | | 2d | | 03-Jan-15 | 10-Jan-15 | 20-Nov-14 A | 31-Dec-14 A | |
| NHT3080 | Trench excavation for 100 mm main pipeline with 50 mm dist. Pipe from C0+000 to sta. C0+330 (330 LM) | 2d | 100% | 03-Jan-15 | 10-Jan-15 | 20-Nov-14 A | 21-Dec-14 A | |
| NHT3090 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (330 LM) | 2d | 100% | 03-Jan-15 | 10-Jan-15 | 20-Nov-14 A | 21-Dec-14 A | |
| NHT3100 | Backfill the pipe trench with (single size aggregate) to the required level (330 LM) | 2d | 100% | 03-Jan-15 | 10-Jan-15 | 20-Nov-14 A | 31-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 8d | | 14-Mar-15 | 22-Mar-15 | 01-Mar-15 A | 01-Mar-15 A | |
| NHT3110 | Construct - Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 8d | 100% | 14-Mar-15 | 22-Mar-15 | 01-Mar-15 A | 01-Mar-15 A | |
| **Testing** | | 78d | | 01-Feb-15 | 06-Apr-15 | 23-Dec-14 A | 05-May-15 | -3d |
| NHT5435 | Radiographic Testing (RT) | 1d | 100% | 01-Feb-15 | 01-Feb-15 | 23-Dec-14 A | 23-Dec-14 A | |
| NHT3120 | Pressure Testing | 2d | 0% | 04-Apr-15 | 06-Apr-15 | 04-May-15 | 05-May-15 | -3d |
| **Base course and Asphalt** | | 33d | | 01-Feb-15 | 12-Mar-15 | 24-Jan-15 A | 06-Feb-15 A | |
| NHT3260 | Topping replacement from St. 0+180 to 0+260 | 5d | 100% | 01-Feb-15 | 07-Feb-15 | 24-Jan-15 A | 25-Jan-15 A | |
| NHT3130 | 20 cm thick for base course layer | 21d | 100% | 16-Feb-15 | 12-Mar-15 | 25-Jan-15 A | 05-Feb-15 A | |
| NHT3170 | 7 cm Asphalt wearing course including prime coat | 2d | 100% | 07-Feb-15 | 09-Feb-15 | 06-Feb-15 A | 06-Feb-15 A | |
| **Mechanical Chambers work** | | 6d | | 28-Mar-15 | 07-Apr-15 | 16-Apr-15 A | 16-Apr-15 A | |
| **Welding flanges** | | 1d | | 28-Mar-15 | 28-Mar-15 | 16-Apr-15 A | 16-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

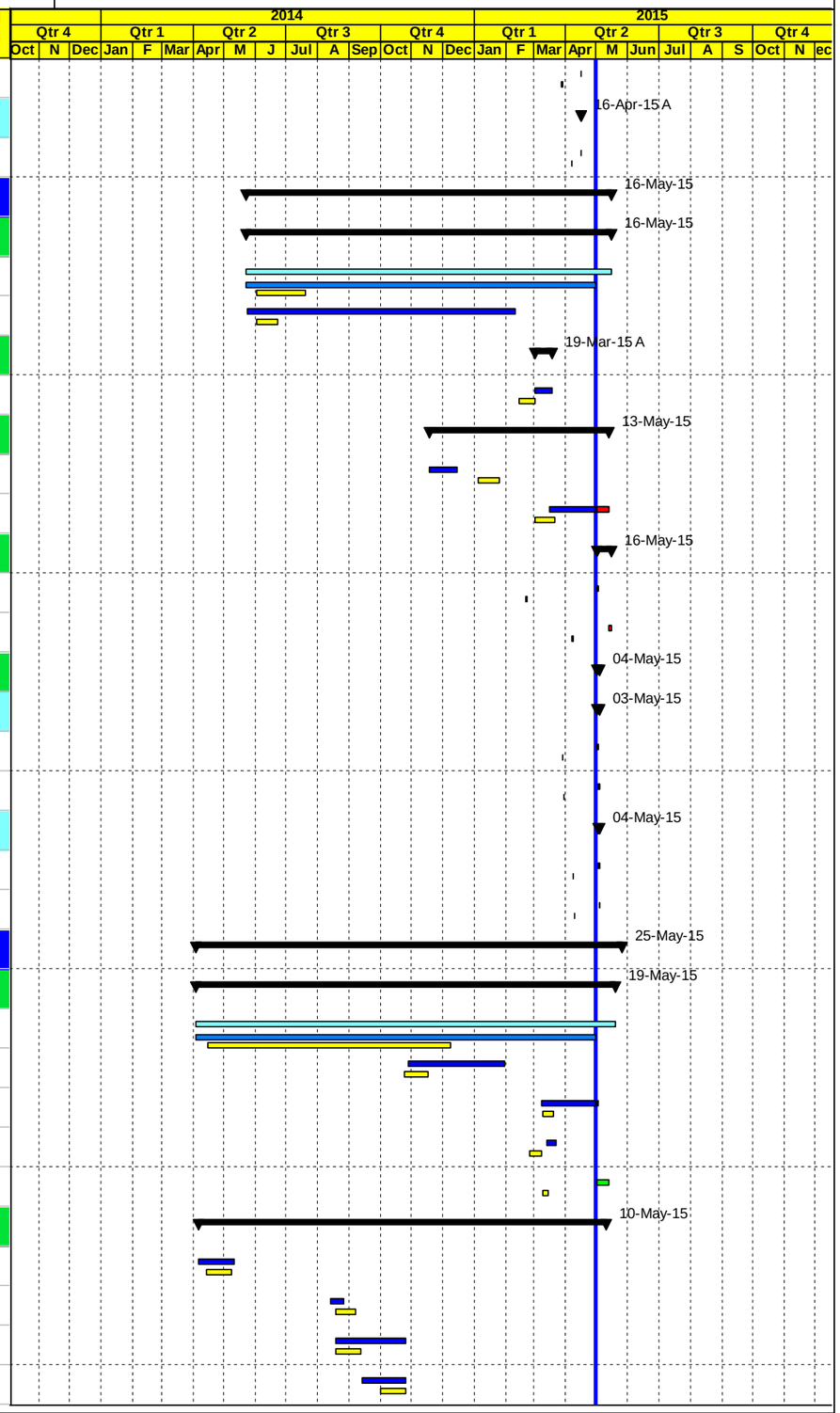
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT1800-MECH | Welding flanges for Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 1d | 100% | 28-Mar-15 | 28-Mar-15 | 16-Apr-15 A | 16-Apr-15 A | |
| **Mechanical fittings installation** | | 1d | | 07-Apr-15 | 07-Apr-15 | 16-Apr-15 A | 16-Apr-15 A | |
| NHT1810-MECH | Fittings installation for Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 1d | 100% | 07-Apr-15 | 07-Apr-15 | 16-Apr-15 A | 16-Apr-15 A | |
| **Phase Four SEG.D From Sta.D0+540 to Sta.D0+000 (Non-Residential area)** | | 286d | | 01-Jun-14 | 09-Apr-15 | 22-May-14 A | 16-May-15 | -9d |
| **Safety, Excavation and Concrete Works** | | 41d | | 01-Jun-14 | 20-Jul-14 | 22-May-14 A | 16-May-15 | -9d |
| NHT3450 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 35% | 01-Jun-14 | 20-Jul-14 | 22-May-14 A | 16-May-15 | -9d |
| NHT3460 | Excavation and R.concrete foundation supports for main pipeline | 21d | 100% | 02-Jun-14 | 22-Jun-14 | 24-May-14 A | 10-Feb-15 A | |
| **Pipe Installation** | | 14d | | 14-Feb-15 | 02-Mar-15 | 02-Mar-15 A | 19-Mar-15 A | |
| NHT3470 | Install 300 mm main steel pipe line and cast concrete above supports (540 Lm) | 14d | 100% | 14-Feb-15 | 02-Mar-15 | 02-Mar-15 A | 19-Mar-15 A | |
| **Civil Chamber work** | | 81d | | 05-Jan-15 | 21-Mar-15 | 18-Nov-14 A | 13-May-15 | -9d |
| NHT3480 | Construct - Combined BFV chamber (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300mm)@ Sta.D0+506 | 13d | 100% | 05-Jan-15 | 26-Jan-15 | 18-Nov-14 A | 15-Dec-14 A | |
| NHT3500 | Construct - ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 15d | 30% | 02-Mar-15 | 21-Mar-15 | 16-Mar-15 A | 13-May-15 | -9d |
| **Testing** | | 13d | | 21-Feb-15 | 08-Apr-15 | 02-May-15 | 16-May-15 | -9d |
| NHT3515 | Radiographic Testing (RT) | 1d | 0% | 21-Feb-15 | 21-Feb-15 | 02-May-15 | 02-May-15 | 0d |
| NHT3520 | Pressure Testing | 2d | 0% | 06-Apr-15 | 08-Apr-15 | 13-May-15 | 16-May-15 | -9d |
| **Mechanical Chambers work** | | 3d | | 29-Mar-15 | 09-Apr-15 | 02-May-15 | 04-May-15 | -18d |
| **Welding flanges** | | 2d | | 29-Mar-15 | 30-Mar-15 | 02-May-15 | 03-May-15 | -18d |
| NHT1820-MECH | Welding flanges for ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 1d | 0% | 29-Mar-15 | 29-Mar-15 | 02-May-15 | 02-May-15 | -18d |
| NHT1830-MECH | Welding flanges for Combined BFV (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300mm)@ St.D0+506 | 1d | 0% | 30-Mar-15 | 30-Mar-15 | 03-May-15 | 03-May-15 | -18d |
| **Mechanical fittings installation** | | 2d | | 08-Apr-15 | 09-Apr-15 | 03-May-15 | 04-May-15 | -18d |
| NHT1840-MECH | Fittings installation for ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 1d | 0% | 08-Apr-15 | 08-Apr-15 | 03-May-15 | 03-May-15 | -18d |
| NHT1850-MECH | Fittings installation for Combined BFV (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300mm)@D0+506 | 1d | 0% | 09-Apr-15 | 09-Apr-15 | 04-May-15 | 04-May-15 | -18d |
| **Phase Five SEG.E From Sta. E-0+038 to Sta.E1+367** | | 340d | | 14-Apr-14 | 26-Apr-15 | 03-Apr-14 A | 25-May-15 | 4d |
| **Safety, Excavation** | | 328d | | 15-Apr-14 | 19-Mar-15 | 03-Apr-14 A | 19-May-15 | 9d |
| NHT3180 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 214d | 65% | 15-Apr-14 | 09-Dec-14 | 03-Apr-14 A | 19-May-15 | -18d |
| NHT3190 | Excavation for reconstruction road including subgrade & backfilling From E0+000 -E0+230 &From E0+500 to Sta.E1+367 | 18d | 100% | 25-Oct-14 | 17-Nov-14 | 29-Oct-14 A | 31-Jan-15 A | |
| NHT3210 | Pipe Culvert (800 mm) at Sta.0+584.7 | 10d | 95% | 09-Mar-15 | 19-Mar-15 | 08-Mar-15 A | 02-May-15 | 25d |
| NHT3250 | Excavation for reconstruction road including subgrade & backfilling From E0+230 -E0+500 | 10d | 100% | 24-Feb-15 | 08-Mar-15 | 14-Mar-15 A | 22-Mar-15 A | |
| NHT5445 | Excavation for access road @ St. E0+900 & E1+000 | 10d | 0% | 09-Mar-15 | 14-Mar-15 | 02-May-15 | 12-May-15 | 5d |
| **Concrete Walls** | | 304d | | 14-Apr-14 | 07-Mar-15 | 06-Apr-14 A | 10-May-15 | 12d |
| NHT3255-new | Construct R.Concrete Retaining wall from Sta. E1+100 to E1+116 RHS (16 LM) | 21d | 100% | 14-Apr-14 | 08-May-14 | 06-Apr-14 A | 11-May-14 A | |
| NHT0995-NEW | Retaining Wall from Sta.0+106 to Sta.0+173 RHS | 21d | 100% | 18-Aug-14 | 06-Sep-14 | 14-Aug-14 A | 27-Aug-14 A | |
| NHT3256-new | Construct R.Concrete Retaining wall from Sta. E0+106 to E0+173 RHS (67 LM) | 27d | 100% | 18-Aug-14 | 11-Sep-14 | 18-Aug-14 A | 26-Oct-14 A | |
| NHT3258-new | Boundary Wall E0+045 to E0+084 RHS | 21d | 100% | 01-Oct-14 | 25-Oct-14 | 13-Sep-14 A | 26-Oct-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

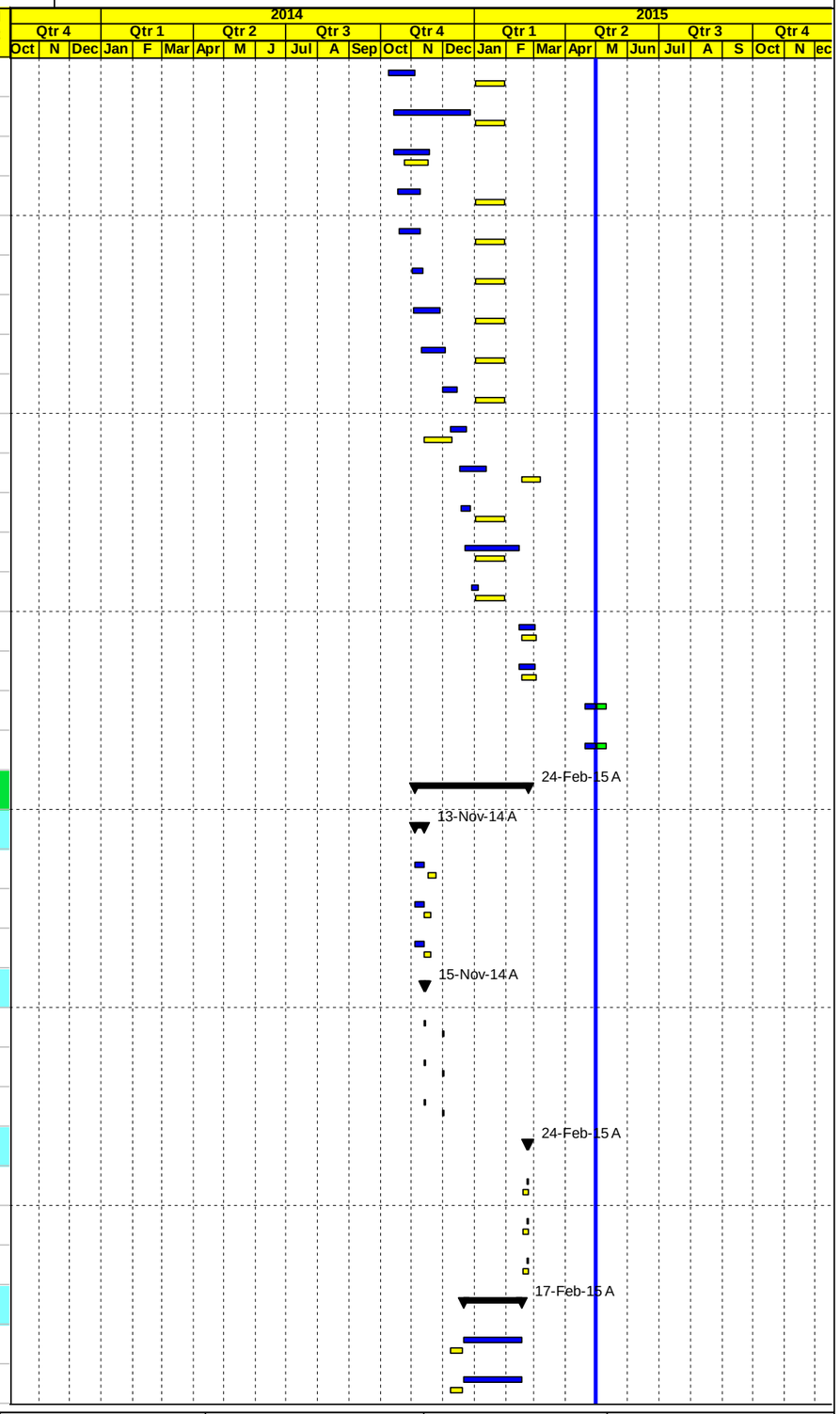
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT3280-new | Boundary Wall from Sta.0+200 to Sta. 0+247 RHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 09-Oct-14 A | 04-Nov-14 A | |
| NHT3300-new | One Side shuttering Wall from Sta.0+501 to Sta. 0+620 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 15-Oct-14 A | 29-Dec-14 A | |
| NHT3290-new | One Side Shuter Wall and Boundary Wall E0+500 to E0+600 LHS | 18d | 100% | 25-Oct-14 | 17-Nov-14 | 15-Oct-14 A | 19-Nov-14 A | |
| NHT3310-new | Boundary Wall from Sta.0+718 to Sta. 0+732 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 19-Oct-14 A | 09-Nov-14 A | |
| NHT3320-new | Retaining Wall from Sta. 0+639 to Sta. 0+670 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 20-Oct-14 A | 10-Nov-14 A | |
| NHT3340-new | Retaining Wall from Sta. 0+754 to Sta. 0+774 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 02-Nov-14 A | 12-Nov-14 A | |
| NHT3350-new | Boundary Wall from Sta.0+818 to Sta. 0+884.3 RHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 03-Nov-14 A | 29-Nov-14 A | |
| NHT3360-new | Retaining Wall from Sta. 0+812.5 to Sta. 0+839 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 11-Nov-14 A | 04-Dec-14 A | |
| NHT3330-new | Boundary Wall from Sta.0+637 to Sta. 0+653 RHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 01-Dec-14 A | 16-Dec-14 A | |
| NHT3390-new | Boundary Wall from Sta. 0+032 To Sta. 0+063 LHS | 19d | 100% | 13-Nov-14 | 10-Dec-14 | 09-Dec-14 A | 25-Dec-14 A | |
| NHT3387-new | Retaining Wall from Sta.0+886.8 to Sta.0+894.6 LHS | 15d | 100% | 16-Feb-15 | 07-Mar-15 | 18-Dec-14 A | 13-Jan-15 A | |
| NHT3270-new | Boundary Wall from Sta.0+567 to Sta. 0+590 RHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 20-Dec-14 A | 29-Dec-14 A | |
| NHT3400-new | Boundary Wall from Sta.1+050 to Sta. 1+120 RHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 23-Dec-14 A | 15-Feb-15 A | |
| NHT3380-new | Boundary Wall from Sta.0+839 to Sta. 0+850 LHS | 19d | 100% | 03-Jan-15 | 31-Jan-15 | 30-Dec-14 A | 05-Jan-15 A | |
| NHT3389-new | Boundary Wall from Sta.0+948 to Sta. 0+963 RHS | 13d | 100% | 16-Feb-15 | 03-Mar-15 | 14-Feb-15 A | 02-Mar-15 A | |
| NHT3395-new | Boundary Wall from Sta.0+987 to Sta. 0+993 LHS | 13d | 100% | 16-Feb-15 | 03-Mar-15 | 14-Feb-15 A | 02-Mar-15 A | |
| NHT5485 | Boundary Wall along access road E0+900 ( 0+000 to 0+070) RHS | 10d | 20% | | | 20-Apr-15 A | 10-May-15 | 12d |
| NHT5495 | Boundary Wall along access road E1+000 ( 0+000 to 0+070) RHS and LHS | 10d | 20% | | | 20-Apr-15 A | 10-May-15 | 12d |
| **Pipe Installation** | | 80d | | 13-Nov-14 | 23-Feb-15 | 04-Nov-14 A | 24-Feb-15 A | |
| **Pipe Installation 300 mm main pipeline & 75 mm from -E0+040 To E0+220** | | 7d | | 13-Nov-14 | 24-Nov-14 | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3140 | Trench excavation for 300 mm main pipeline & 75 mm pipeline from -E0+040 To E0+220 (260 lm) | 5d | 100% | 17-Nov-14 | 24-Nov-14 | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3150 | Bedding (crushed stone) and install Steel pipes with welding inspection | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3160 | Backfill the pipe trench with (single size aggregate) to the required level | 5d | 100% | 13-Nov-14 | 19-Nov-14 | 04-Nov-14 A | 13-Nov-14 A | |
| **Pipe Installation for 300 mm main pipeline & 50 mm from E0+220 To E0+280** | | 2d | | 01-Dec-14 | 02-Dec-14 | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3140-new | Trench excavation for 300 mm main pipeline & 50 mm pipeline from E0+220 To E0+280 (60 lm) | 2d | 100% | 01-Dec-14 | 02-Dec-14 | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3142-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 2d | 100% | 01-Dec-14 | 02-Dec-14 | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3144-new | Backfill the pipe trench with (single size aggregate) to the required level | 2d | 100% | 01-Dec-14 | 02-Dec-14 | 13-Nov-14 A | 15-Nov-14 A | |
| **Pipe Installation for 300 mm main pipeline , 150 mm & 50 mm from E0+280 To E0+460** | | 12d | | 18-Feb-15 | 23-Feb-15 | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3152-new | Trench excavation for 300 mm main pipeline , 150 mm & 50 mm pipeline from E0+280 To E0+460 (180lm) | 4d | 100% | 18-Feb-15 | 23-Feb-15 | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3154-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 4d | 100% | 18-Feb-15 | 23-Feb-15 | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3156-new | Backfill the pipe trench with (single size aggregate) to the required level | 4d | 100% | 18-Feb-15 | 23-Feb-15 | 22-Feb-15 A | 24-Feb-15 A | |
| **Pipe Installation for 300 mm main pipeline , 100 mm & 50 mm pipeline from E0+460 To E1+000** | | 10d | | 09-Dec-14 | 20-Dec-14 | 22-Dec-14 A | 17-Feb-15 A | |
| NHT3158-new | Trench excavation for 300 mm main pipeline , 100 mm & 50 mm pipeline from E0+460 To E0+920 (540 lm) | 10d | 100% | 09-Dec-14 | 20-Dec-14 | 22-Dec-14 A | 17-Feb-15 A | |
| NHT3160-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 10d | 100% | 09-Dec-14 | 20-Dec-14 | 22-Dec-14 A | 17-Feb-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

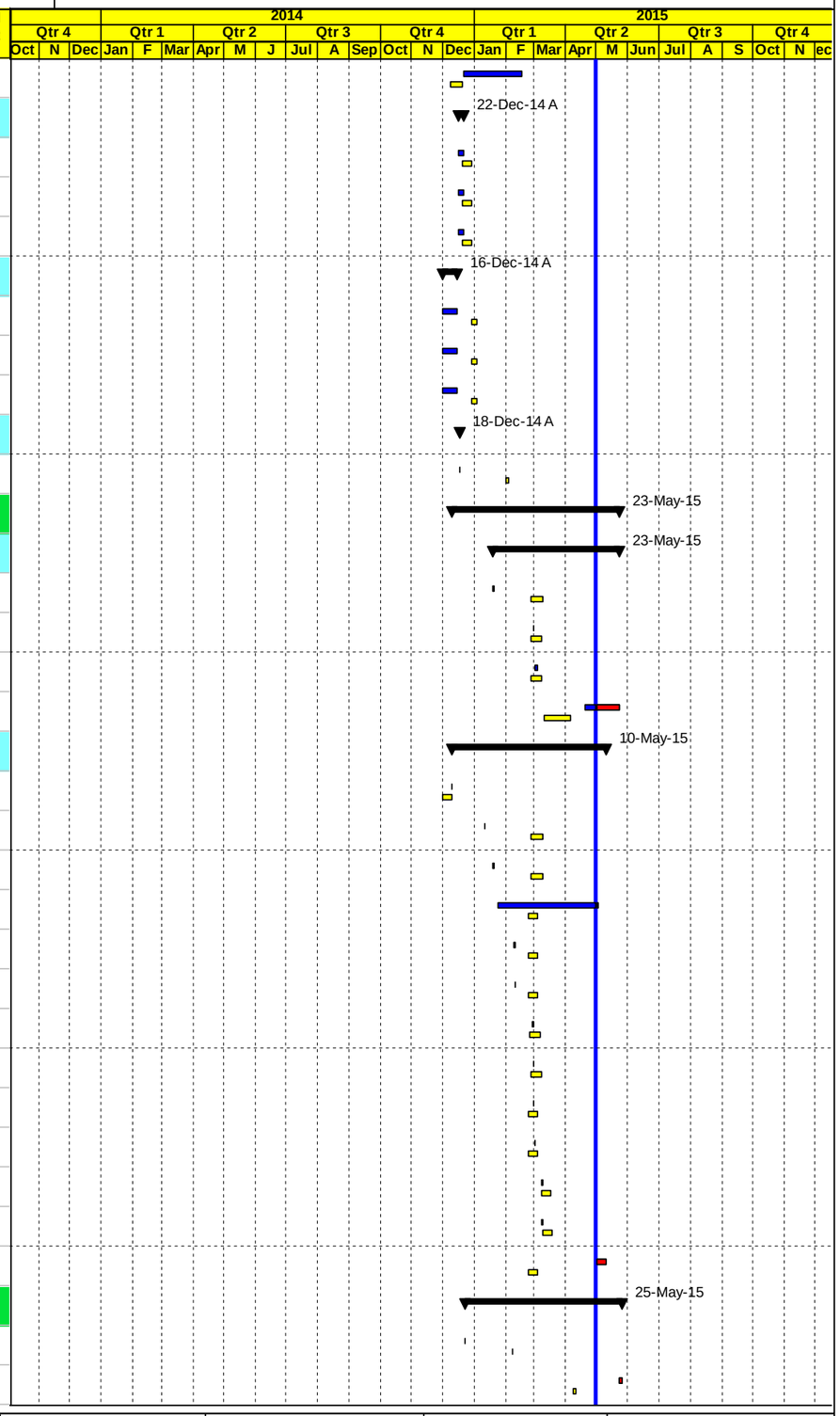
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT3162-new | Backfill the pipe trench with (single size aggregate) to the required level | 8d | 100% | 09-Dec-14 | 20-Dec-14 | 22-Dec-14 A | 17-Feb-15 A | |
| **Pipe Installation for 300 mm main pipeline & 75 mm pipeline from E1+000To E1+250** | | 7d | | 21-Dec-14 | 29-Dec-14 | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3164-new | Trench excavation for 300 mm main pipeline & 75 mm pipeline from 0+920 To 1+250 (330 lm) | 7d | 100% | 21-Dec-14 | 29-Dec-14 | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3166-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 7d | 100% | 21-Dec-14 | 29-Dec-14 | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3168-new | Backfill the pipe trench with (single size aggregate) to the required level | 7d | 100% | 21-Dec-14 | 29-Dec-14 | 17-Dec-14 A | 22-Dec-14 A | |
| **Pipe Installation for 250 mm main pipeline & 50 mm pipeline from E1+250 To E1+367** | | 3d | | 30-Dec-14 | 03-Jan-15 | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3170-new | Trench excavation for 250 mm main pipeline & 50 mm pipeline from E1+250 To E1+400 (150 lm) | 3d | 100% | 30-Dec-14 | 03-Jan-15 | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3172-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 3d | 100% | 30-Dec-14 | 03-Jan-15 | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3174-new | Backfill the pipe trench with (single size aggregate) to the required level | 3d | 100% | 30-Dec-14 | 03-Jan-15 | 02-Dec-14 A | 16-Dec-14 A | |
| **future connection** | | 4d | | 01-Feb-15 | 04-Feb-15 | 18-Dec-14 A | 18-Dec-14 A | |
| NHT4815 | Nahaleen Tank future connection 200 mm (8 Lm) | 4d | 100% | 01-Feb-15 | 04-Feb-15 | 18-Dec-14 A | 18-Dec-14 A | |
| **Civil Chambers** | | 126d | | 01-Dec-14 | 05-Apr-15 | 10-Dec-14 A | 23-May-15 | -16d |
| **Civil Chamber work for transmission pipeline** | | 48d | | 25-Feb-15 | 05-Apr-15 | 20-Jan-15 A | 23-May-15 | -16d |
| NHT3030 | Construct - ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 8d | 100% | 26-Feb-15 | 09-Mar-15 | 20-Jan-15 A | 21-Jan-15 A | |
| NHT3020 | Construct - Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 8d | 100% | 25-Feb-15 | 08-Mar-15 | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3035 | Construct - ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 8d | 100% | 25-Feb-15 | 08-Mar-15 | 02-Mar-15 A | 05-Mar-15 A | |
| NHT3250-new | Construct -Nahaleen Connection chamber(150mm, PN40, pipeline Dia 200 mm ) &(PN 40 bar, GV DN 75 mm) @Sta.E0+460 RHS | 21d | 10% | 11-Mar-15 | 05-Apr-15 | 20-Apr-15 A | 23-May-15 | -16d |
| **Civil Chamber work for Distribution pipeline** | | 126d | | 01-Dec-14 | 18-Mar-15 | 10-Dec-14 A | 10-May-15 | -5d |
| NHT3030-new | Construct - Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 9d | 100% | 01-Dec-14 | 10-Dec-14 | 10-Dec-14 A | 11-Dec-14 A | |
| NHT3120-new | Construct -Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 8d | 100% | 26-Feb-15 | 09-Mar-15 | 12-Jan-15 A | 12-Jan-15 A | |
| NHT3130-new | Construct - ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 8d | 100% | 26-Feb-15 | 09-Mar-15 | 20-Jan-15 A | 21-Jan-15 A | |
| NHT3134-new | Construct - PRV chamber(150mm, PN40, pipeline Dia.150 mm)&PN 40 bar, additional Gate valve DN 100 mm @E0+460 RHS | 8d | 95% | 23-Feb-15 | 04-Mar-15 | 25-Jan-15 A | 02-May-15 | 3d |
| NHT3132-new | Construct - Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 8d | 100% | 23-Feb-15 | 04-Mar-15 | 09-Feb-15 A | 10-Feb-15 A | |
| NHT3110-new | Construct - Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 8d | 100% | 23-Feb-15 | 04-Mar-15 | 10-Feb-15 A | 11-Feb-15 A | |
| NHT3060-new | Construct -Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 8d | 100% | 24-Feb-15 | 07-Mar-15 | 27-Feb-15 A | 01-Mar-15 A | |
| NHT3070-new | Construct -Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 8d | 100% | 25-Feb-15 | 08-Mar-15 | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3080-new | Construct - Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 8d | 100% | 23-Feb-15 | 04-Mar-15 | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3050-new | Construct - Combined Gate Valve chamber(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline Dia.75mm)@E0+355 | 8d | 100% | 23-Feb-15 | 04-Mar-15 | 02-Mar-15 A | 02-Mar-15 A | |
| NHT3090-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 8d | 100% | 08-Mar-15 | 17-Mar-15 | 08-Mar-15 A | 10-Mar-15 A | |
| NHT3100-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 8d | 100% | 09-Mar-15 | 18-Mar-15 | 08-Mar-15 A | 10-Mar-15 A | |
| NHT3040-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 8d | 0% | 23-Feb-15 | 04-Mar-15 | 02-May-15 | 10-May-15 | -5d |
| **Testing** | | 91d | | 07-Feb-15 | 11-Apr-15 | 23-Dec-14 A | 25-May-15 | -16d |
| NHT3125 | Radiographic Testing (RT) | 1d | 100% | 07-Feb-15 | 07-Feb-15 | 23-Dec-14 A | 23-Dec-14 A | |
| NHT3200 | Pressure Testing | 2d | 0% | 08-Apr-15 | 11-Apr-15 | 23-May-15 | 25-May-15 | -16d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

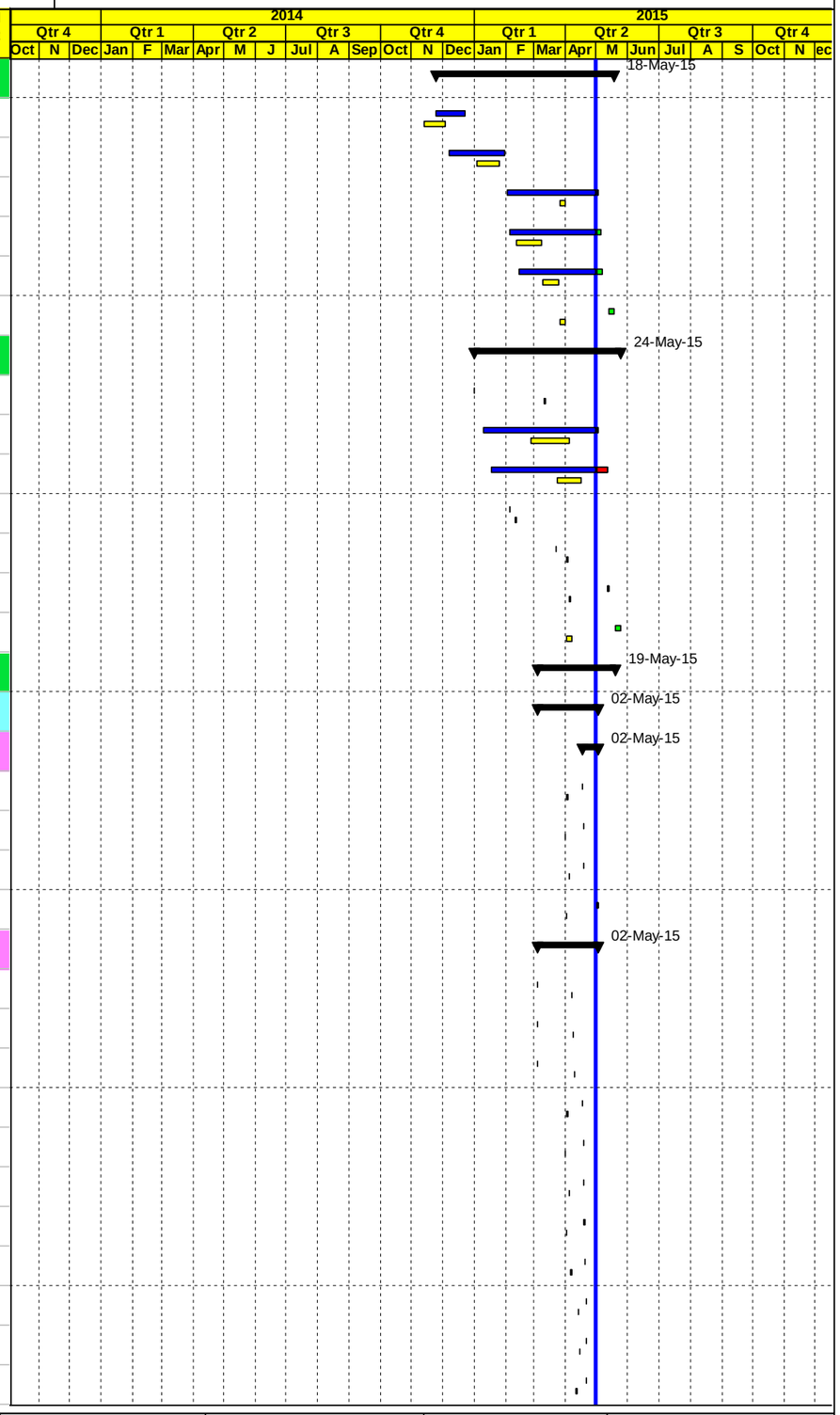
# Updated Construction Program

## April 30, 2015

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Base course** | | 142d | | 13-Nov-14 | 31-Mar-15 | 25-Nov-14 A | 18-May-15 | 10d |
| NHT3252 | Topping -20 cm from E-0+038 to Sta.E0+230 & 0+900 to 1+140 | 13d | 100% | 13-Nov-14 | 03-Dec-14 | 25-Nov-14 A | 23-Dec-14 A | |
| NHT3220 | 20 cm thick for base course layer from E0+000 to Sta.E0+230 & 0+900 to 1+140 | 13d | 100% | 04-Jan-15 | 25-Jan-15 | 08-Dec-14 A | 31-Jan-15 A | |
| NHT3270 | 2 layers 20 cm thick for base course layer from St. 1+200 to St. 1+367 | 5d | 90% | 26-Mar-15 | 31-Mar-15 | 03-Feb-15 A | 02-May-15 | 25d |
| NHT3253 | Topping -20 cm From E0+230 to Sta.E0+900 & St.1+140 to 1+200 | 20d | 80% | 12-Feb-15 | 08-Mar-15 | 05-Feb-15 A | 05-May-15 | 11d |
| NHT3230 | 20 cm thick for base course layer E0+230 to Sta.E0+900 & St. 1+140 to 1+200 | 15d | 70% | 09-Mar-15 | 25-Mar-15 | 15-Feb-15 A | 06-May-15 | 11d |
| NHT3280 | Base ourse for access road @ St. E0+900 & E1+000 | 5d | 0% | 26-Mar-15 | 31-Mar-15 | 13-May-15 | 18-May-15 | 5d |
| **Curbstone and Asphalt** | | 87d | | 10-Feb-15 | 16-Apr-15 | 01-Jan-15 A | 24-May-15 | 5d |
| NHT3295 | 5 cm Asphalt Binder course including prime coat from E-0+038 to Sta.E0+230 | 2d | 100% | 10-Mar-15 | 12-Mar-15 | 01-Jan-15 A | 01-Jan-15 A | |
| NHT3290 | Curbstone ,concrete side walks, ramps including 15 cm base course from E-0+038 to Sta.E0+230 & E0+900 to 1+140 | 30d | 95% | 26-Feb-15 | 04-Apr-15 | 10-Jan-15 A | 03-May-15 | 7d |
| NHT5355 | Curbstone ,concrete side walks, ramps including 15 cm base course FROM E0+230 to Sta.E0+900 & 1+140 to 1+367 | 21d | 60% | 23-Mar-15 | 16-Apr-15 | 18-Jan-15 A | 11-May-15 | 0d |
| NHT5335 | 5 cm Asphalt Binder course including prime coat from E0+900 to 1+140 | 2d | 100% | 10-Feb-15 | 11-Feb-15 | 06-Feb-15 A | 06-Feb-15 A | |
| NHT5345 | 5 cm Asphalt Binder course including prime coat From E0+230 to Sta.E0+900 & 1+140 to 1+367 | 2d | 100% | 01-Apr-15 | 02-Apr-15 | 22-Mar-15 A | 22-Mar-15 A | |
| NHT3305 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 04-Apr-15 | 05-Apr-15 | 11-May-15 | 13-May-15 | 0d |
| NHT3315 | Asphalt for access road @ St. E0+900 & E1+000 | 5d | 0% | 01-Apr-15 | 06-Apr-15 | 19-May-15 | 24-May-15 | 5d |
| **Mechanical Chambers work** | | 28d | | 31-Mar-15 | 26-Apr-15 | 05-Mar-15 A | 19-May-15 | -18d |
| **Welding flanges** | | 13d | | 31-Mar-15 | 15-Apr-15 | 05-Mar-15 A | 02-May-15 | -4d |
| **Transmission pipeline** | | 13d | | 31-Mar-15 | 04-Apr-15 | 18-Apr-15 A | 02-May-15 | -12d |
| NHT1880-MECH | Welding flanges for Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 1d | 100% | 02-Apr-15 | 02-Apr-15 | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1860-MECH | Welding flanges for ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 1d | 100% | 31-Mar-15 | 31-Mar-15 | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1890-MECH | Welding flanges for ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 1d | 100% | 04-Apr-15 | 04-Apr-15 | 19-Apr-15 A | 19-Apr-15 A | |
| NHT1870-MECH | Welding flanges for Nahaleen Connection chamber(150mm, PN40, pipeline Dia 200mm ) &(PN 40 bar, GV DN 75mm) @E0+460 RHS | 1d | 0% | 01-Apr-15 | 01-Apr-15 | 02-May-15 | 02-May-15 | -12d |
| **Distribution pipeline** | | 13d | | 31-Mar-15 | 15-Apr-15 | 05-Mar-15 A | 02-May-15 | -4d |
| NHT1960-MECH | Welding flanges for Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 1d | 100% | 07-Apr-15 | 07-Apr-15 | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1970-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 1d | 100% | 08-Apr-15 | 08-Apr-15 | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1980-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 1d | 100% | 09-Apr-15 | 09-Apr-15 | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1920-MECH | Welding flanges for Combined Gate Valve(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline Dia.75mm)@E0+355 | 1d | 100% | 02-Apr-15 | 02-Apr-15 | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1900-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 1d | 100% | 31-Mar-15 | 31-Mar-15 | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1930-MECH | Welding flanges for Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 1d | 100% | 04-Apr-15 | 04-Apr-15 | 19-Apr-15 A | 19-Apr-15 A | |
| NHT1910-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 1d | 100% | 01-Apr-15 | 01-Apr-15 | 19-Apr-15 A | 19-Apr-15 A | |
| NHT1950-MECH | Welding flanges for Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 1d | 100% | 06-Apr-15 | 06-Apr-15 | 20-Apr-15 A | 20-Apr-15 A | |
| NHT2000-MECH | Welding flanges for Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 1d | 100% | 13-Apr-15 | 13-Apr-15 | 21-Apr-15 A | 21-Apr-15 A | |
| NHT2010-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 1d | 100% | 14-Apr-15 | 14-Apr-15 | 21-Apr-15 A | 21-Apr-15 A | |
| NHT1990-MECH | Welding flanges for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 1d | 100% | 11-Apr-15 | 11-Apr-15 | 21-Apr-15 A | 21-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

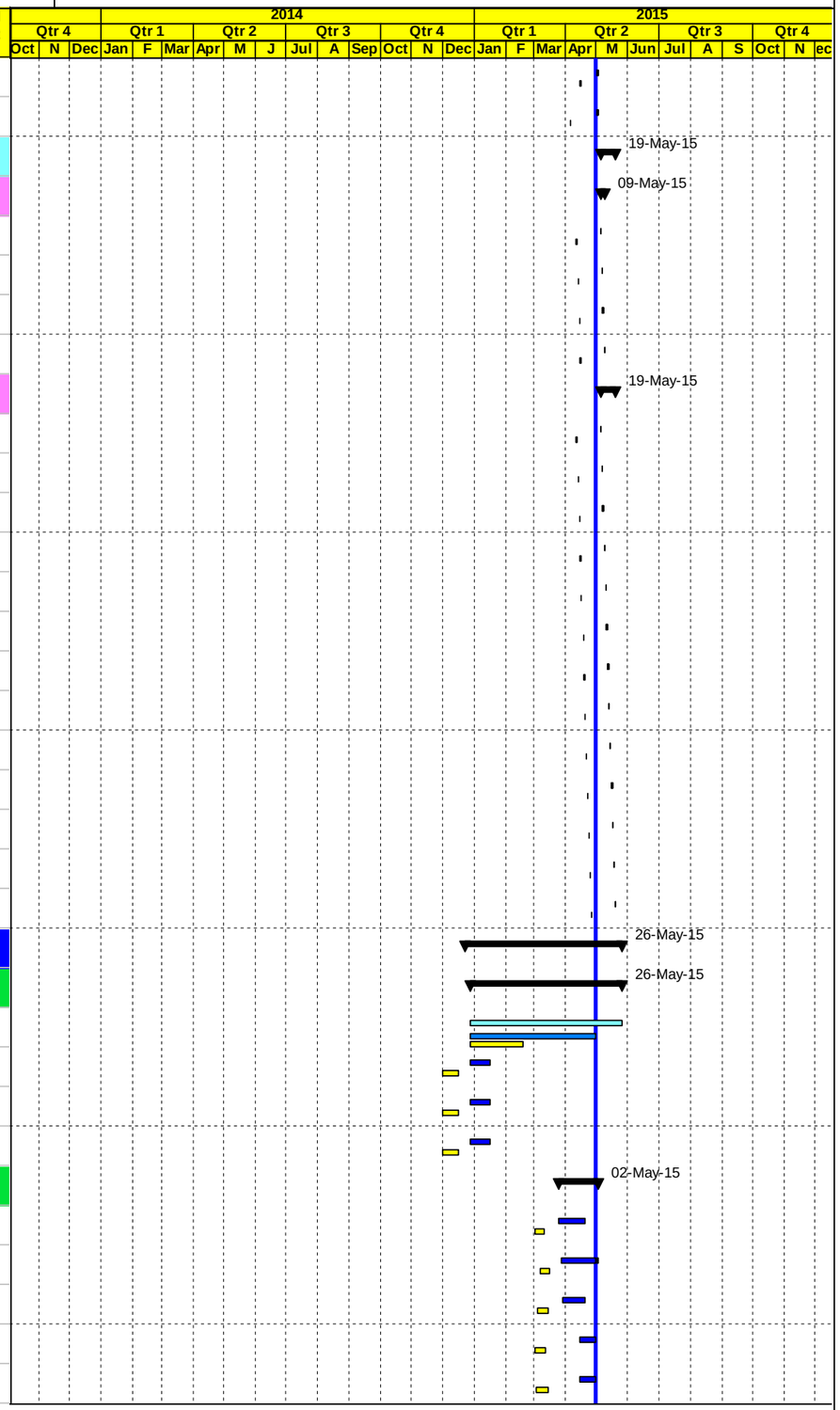
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT2020-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 1d | 0% | 15-Apr-15 | 15-Apr-15 | 02-May-15 | 02-May-15 | -4d |
| NHT1940-MECH | Welding flanges for PRV chamber(150mm, PN40, pipeline Dia.150 mm)&PN 40 bar, additional Gate valve DN 100mm @E0+460RHS | 1d | 0% | 05-Apr-15 | 05-Apr-15 | 02-May-15 | 02-May-15 | -12d |
| **Mechanical fittings installation** | | 13d | | 11-Apr-15 | 26-Apr-15 | 05-May-15 | 19-May-15 | -18d |
| **Transmission pipeline** | | 4d | | 11-Apr-15 | 15-Apr-15 | 05-May-15 | 09-May-15 | -11d |
| NHT2030-MECH | Fittings installation for ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 1d | 0% | 11-Apr-15 | 11-Apr-15 | 05-May-15 | 05-May-15 | -16d |
| NHT2040-MECH | Fittings installation for Nahaleen Connection chamber(150mm,PN40,pipeline Dia.200mm) & (PN 40 bar,GV DN 75mm) | 1d | 0% | 13-Apr-15 | 13-Apr-15 | 06-May-15 | 06-May-15 | -15d |
| NHT2050-MECH | Fittings installation for Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 1d | 0% | 14-Apr-15 | 14-Apr-15 | 07-May-15 | 07-May-15 | -14d |
| NHT2060-MECH | Fittings installation for ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 1d | 0% | 15-Apr-15 | 15-Apr-15 | 09-May-15 | 09-May-15 | -11d |
| **Distribution pipeline** | | 13d | | 11-Apr-15 | 26-Apr-15 | 05-May-15 | 19-May-15 | -18d |
| NHT2070-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 1d | 0% | 11-Apr-15 | 11-Apr-15 | 05-May-15 | 05-May-15 | -18d |
| NHT2080-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 1d | 0% | 13-Apr-15 | 13-Apr-15 | 06-May-15 | 06-May-15 | -18d |
| NHT2090-MECH | Fittings installation for Combined Gate Valve(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline Dia.75mm)@E0+355 | 1d | 0% | 14-Apr-15 | 14-Apr-15 | 07-May-15 | 07-May-15 | -18d |
| NHT2100-MECH | Fittings installation for Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 1d | 0% | 15-Apr-15 | 15-Apr-15 | 09-May-15 | 09-May-15 | -18d |
| NHT2110-MECH | Fittings installation for PRV chamber 150mm, PN40, pipeline Dia.150mm)&PN 40 bar, additional G.V DN 100mm @E0+460RHS | 1d | 0% | 16-Apr-15 | 16-Apr-15 | 10-May-15 | 10-May-15 | -18d |
| NHT2120-MECH | Fittings installation for Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 1d | 0% | 18-Apr-15 | 18-Apr-15 | 11-May-15 | 11-May-15 | -18d |
| NHT2130-MECH | Fittings installation for Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 1d | 0% | 19-Apr-15 | 19-Apr-15 | 12-May-15 | 12-May-15 | -18d |
| NHT2140-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 1d | 0% | 20-Apr-15 | 20-Apr-15 | 13-May-15 | 13-May-15 | -18d |
| NHT2150-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 1d | 0% | 21-Apr-15 | 21-Apr-15 | 14-May-15 | 14-May-15 | -18d |
| NHT2160-MECH | Fittings installation for for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 1d | 0% | 22-Apr-15 | 22-Apr-15 | 16-May-15 | 16-May-15 | -18d |
| NHT2170-MECH | Fittings installation for Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 1d | 0% | 23-Apr-15 | 23-Apr-15 | 17-May-15 | 17-May-15 | -18d |
| NHT2180-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 1d | 0% | 25-Apr-15 | 25-Apr-15 | 18-May-15 | 18-May-15 | -18d |
| NHT2190-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 1d | 0% | 26-Apr-15 | 26-Apr-15 | 19-May-15 | 19-May-15 | -18d |
| **Phase Six Battir Distribution pipes** | | 140d | | 01-Dec-14 | 03-May-15 | 23-Dec-14 A | 26-May-15 | 3d |
| **Safety and Pipe Installation** | | 60d | | 01-Dec-14 | 17-Feb-15 | 28-Dec-14 A | 26-May-15 | -18d |
| NHT3380 | Maintain traffic control and safety plan ,coordination | 39d | 50% | 28-Dec-14 | 17-Feb-15 | 28-Dec-14 A | 26-May-15 | -18d |
| NHT3390 | Trench excavation for 150mm main pipeline with 50 mm at Battir village length approx. (1060LM) | 14d | 100% | 01-Dec-14 | 16-Dec-14 | 29-Dec-14 A | 17-Jan-15 A | |
| NHT3400 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection(1060 LM) | 14d | 100% | 01-Dec-14 | 16-Dec-14 | 29-Dec-14 A | 17-Jan-15 A | |
| NHT3410 | Backfill the pipe trench with (single size aggregate) to the required level | 14d | 100% | 01-Dec-14 | 16-Dec-14 | 29-Dec-14 A | 17-Jan-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 15d | | 28-Feb-15 | 16-Mar-15 | 25-Mar-15 A | 02-May-15 | 24d |
| NHT3422 | Construct PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 8d | 100% | 01-Mar-15 | 11-Mar-15 | 25-Mar-15 A | 20-Apr-15 A | |
| NHT3438-new | Construct Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 8d | 90% | 07-Mar-15 | 16-Mar-15 | 28-Mar-15 A | 02-May-15 | 24d |
| NHT3436-new | Construct ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 8d | 100% | 04-Mar-15 | 15-Mar-15 | 29-Mar-15 A | 20-Apr-15 A | |
| NHT3432-new | Construct Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 8d | 100% | 02-Mar-15 | 12-Mar-15 | 15-Apr-15 A | 30-Apr-15 A | |
| NHT3434-new | Construct Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 8d | 100% | 03-Mar-15 | 14-Mar-15 | 15-Apr-15 A | 30-Apr-15 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

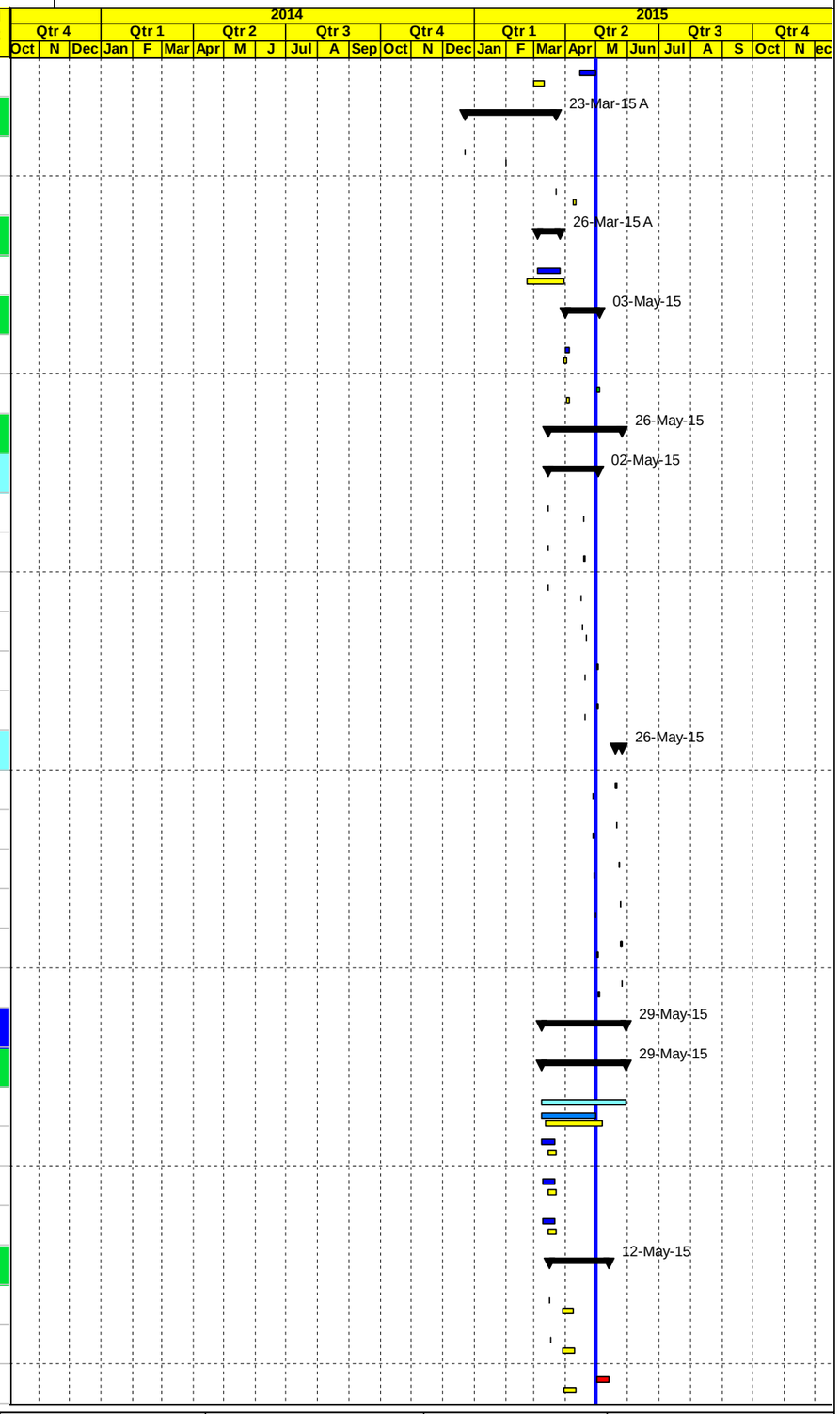
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT3420 | Construct Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 8d | 100% | 28-Feb-15 | 10-Mar-15 | 15-Apr-15 A | 30-Apr-15 A | |
| **Testing** | | 72d | | 01-Feb-15 | 11-Apr-15 | 23-Dec-14 A | 23-Mar-15 A | |
| NHT5455 | Radiographic Testing (RT) | 1d | 100% | 01-Feb-15 | 01-Feb-15 | 23-Dec-14 A | 23-Dec-14 A | |
| NHT3430 | Pressure Testing | 2d | 100% | 08-Apr-15 | 11-Apr-15 | 23-Mar-15 A | 23-Mar-15 A | |
| **Retaining Walls** | | 30d | | 22-Feb-15 | 30-Mar-15 | 05-Mar-15 A | 26-Mar-15 A | |
| NHT3410-new | Retaining Wall from Sta.0+564 to Sta.0+651LHS | 30d | 100% | 22-Feb-15 | 30-Mar-15 | 05-Mar-15 A | 26-Mar-15 A | |
| **Asphalt** | | 17d | | 30-Mar-15 | 04-Apr-15 | 01-Apr-15 A | 03-May-15 | 6d |
| NHT3490 | Milling | 2d | 100% | 30-Mar-15 | 01-Apr-15 | 01-Apr-15 A | 04-Apr-15 A | |
| NHT5265 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 01-Apr-15 | 04-Apr-15 | 02-May-15 | 03-May-15 | 6d |
| **Mechanical Chambers work** | | 22d | | 16-Apr-15 | 03-May-15 | 15-Mar-15 A | 26-May-15 | -18d |
| **Welding flanges** | | 6d | | 16-Apr-15 | 21-Apr-15 | 15-Mar-15 A | 02-May-15 | 1d |
| NHT2210-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 1d | 100% | 18-Apr-15 | 18-Apr-15 | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2220-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 1d | 100% | 19-Apr-15 | 19-Apr-15 | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2200-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 1d | 100% | 16-Apr-15 | 16-Apr-15 | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2250-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 1d | 100% | 21-Apr-15 | 21-Apr-15 | 18-Apr-15 A | 18-Apr-15 A | |
| NHT2230-MECH | Welding flanges for PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 20-Apr-15 | 20-Apr-15 | 02-May-15 | 02-May-15 | 0d |
| NHT2240-MECH | Welding flanges for Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 20-Apr-15 | 20-Apr-15 | 02-May-15 | 02-May-15 | 1d |
| **Mechanical fittings installation** | | 6d | | 27-Apr-15 | 03-May-15 | 20-May-15 | 26-May-15 | -18d |
| NHT2260-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 1d | 0% | 27-Apr-15 | 27-Apr-15 | 20-May-15 | 20-May-15 | -18d |
| NHT2270-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 1d | 0% | 28-Apr-15 | 28-Apr-15 | 21-May-15 | 21-May-15 | -18d |
| NHT2280-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 1d | 0% | 29-Apr-15 | 29-Apr-15 | 23-May-15 | 23-May-15 | -18d |
| NHT2290-MECH | Fittings installation for PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 30-Apr-15 | 30-Apr-15 | 24-May-15 | 24-May-15 | -18d |
| NHT2300-MECH | Fittings installation for Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 02-May-15 | 02-May-15 | 25-May-15 | 25-May-15 | -18d |
| NHT2310-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 1d | 0% | 03-May-15 | 03-May-15 | 26-May-15 | 26-May-15 | -18d |
| **Phase Seven Hussan Distribution pipes** | | 66d | | 12-Mar-15 | 06-May-15 | 08-Mar-15 A | 29-May-15 | -15d |
| **Safety and Pipe Installation** | | 41d | | 12-Mar-15 | 06-May-15 | 08-Mar-15 A | 29-May-15 | -18d |
| NHT3310 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 39.02% | 12-Mar-15 | 06-May-15 | 08-Mar-15 A | 29-May-15 | -18d |
| NHT3320 | Trench excavation for 100mm main pipeline with 50 mm at Hussan village length approx. (605 LM) | 7d | 100% | 14-Mar-15 | 22-Mar-15 | 09-Mar-15 A | 21-Mar-15 A | |
| NHT3340 | Backfill the pipe trench with (single size aggregate) to the required level | 7d | 100% | 14-Mar-15 | 22-Mar-15 | 10-Mar-15 A | 21-Mar-15 A | |
| NHT3330 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (605LM) | 7d | 100% | 14-Mar-15 | 22-Mar-15 | 10-Mar-15 A | 21-Mar-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 38d | | 28-Mar-15 | 11-Apr-15 | 16-Mar-15 A | 12-May-15 | -5d |
| NHT3510-new | Construct combined Valve chamber@Side road A5+900-H0+020 ARV,GV,GV (100,50,50mm-PN16, pipeline Dia.100,50,50 mm) | 10d | 100% | 28-Mar-15 | 08-Apr-15 | 16-Mar-15 A | 16-Mar-15 A | |
| NHT3515-new | Construct combined Valve chamber @ Side road A5+900-H0+340 ARV,GV,GV (100,50,50mm-PN16, pipeline Dia.100,50 mm) | 10d | 100% | 29-Mar-15 | 09-Apr-15 | 17-Mar-15 A | 17-Mar-15 A | |
| NHT3350 | Construct Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 mm) | 10d | 0% | 30-Mar-15 | 11-Apr-15 | 02-May-15 | 12-May-15 | -5d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

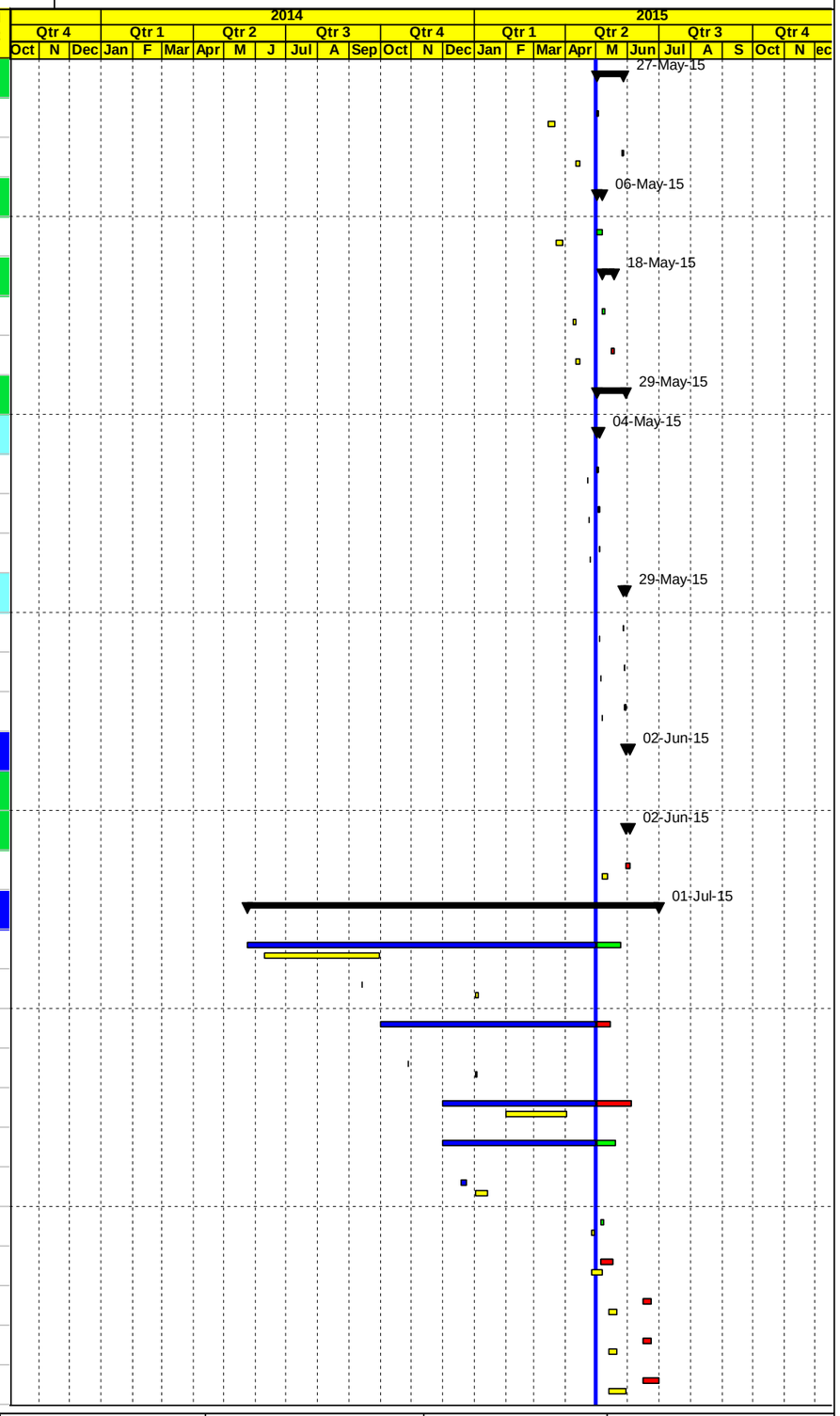
APCO ArCon
CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| **Testing** | | 23d | | 14-Mar-15 | 14-Apr-15 | 02-May-15 | 27-May-15 | -16d |
| NHT3354 | Radiographic Testing (RT) | 1d | 0% | 14-Mar-15 | 21-Mar-15 | 02-May-15 | 02-May-15 | 0d |
| NHT3360 | Pressure Testing | 2d | 0% | 11-Apr-15 | 14-Apr-15 | 25-May-15 | 27-May-15 | -16d |
| **Retaining Walls** | | 5d | | 22-Mar-15 | 28-Mar-15 | 02-May-15 | 06-May-15 | 1d |
| NHT3412-new | Retaining Walls | 5d | 0% | 22-Mar-15 | 28-Mar-15 | 02-May-15 | 06-May-15 | 1d |
| **Asphalt** | | 9d | | 08-Apr-15 | 14-Apr-15 | 07-May-15 | 18-May-15 | -4d |
| NHT3510 | Milling | 2d | 0% | 08-Apr-15 | 11-Apr-15 | 07-May-15 | 09-May-15 | 1d |
| NHT5255 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 11-Apr-15 | 14-Apr-15 | 16-May-15 | 18-May-15 | -4d |
| **Mechanical Chambers work** | | 25d | | 22-Apr-15 | 06-May-15 | 02-May-15 | 29-May-15 | -18d |
| **Welding flanges** | | 3d | | 22-Apr-15 | 25-Apr-15 | 02-May-15 | 04-May-15 | -6d |
| NHT2320-MECH | Welding flanges for Combined Valve Chamber @Side road A5+900-H0+020 ARV,GV,GV(100,50,50mm-PN16,pipelineDia.100,50,50mm) | 1d | 0% | 22-Apr-15 | 22-Apr-15 | 02-May-15 | 02-May-15 | -6d |
| NHT2330-MECH | Welding flanges for Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 mm) | 1d | 0% | 23-Apr-15 | 23-Apr-15 | 03-May-15 | 03-May-15 | -6d |
| NHT2340-MECH | Welding flanges for combined Valve chamber @ Side road A5+900-H0+320 ARV,GV (100,50mm-PN16, pipeline Dia.100,50 mm) | 1d | 0% | 25-Apr-15 | 25-Apr-15 | 04-May-15 | 04-May-15 | -6d |
| **Mechanical fittings installation** | | 3d | | 04-May-15 | 06-May-15 | 27-May-15 | 29-May-15 | -18d |
| NHT2350-MECH | Fittings installation for Combined Valve @Side road A5+900-H0+020 ARV,GV,GV(100,50,50mm-PN16,pipeline Dia.100,50,50 mm) | 1d | 0% | 04-May-15 | 04-May-15 | 27-May-15 | 27-May-15 | -18d |
| NHT2360-MECH | Fittings installation for Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 mm) | 1d | 0% | 05-May-15 | 05-May-15 | 28-May-15 | 28-May-15 | -18d |
| NHT2370-MECH | Fittings installation for Combined Valve chamber @Side road A5+900-H0+320 ARV,GV(100,50mm-PN16, pipeline Dia.100,50 mm) | 1d | 0% | 06-May-15 | 06-May-15 | 29-May-15 | 29-May-15 | -18d |
| **Final Mechanical connection** | | 4d | | 07-May-15 | 11-May-15 | 30-May-15 | 02-Jun-15 | -20d |
| **Mechanical** | | 0d | | | | | | 0d |
| **Final Disinfection and Pressure Testing** | | 4d | | 07-May-15 | 11-May-15 | 30-May-15 | 02-Jun-15 | -18d |
| NHT4850 | Final Disinfection For main and dist.Pipeline | 4d | 0% | 07-May-15 | 11-May-15 | 30-May-15 | 02-Jun-15 | -18d |
| **Miscellaneous and Road Finishing work for SEG. A, B, C & E** | | 317d | | 10-Jun-14 | 29-May-15 | 24-May-14 A | 01-Jul-15 | -29d |
| NHT2804 | Construct stone walls | 100d | 80% | 10-Jun-14 | 29-Sep-14 | 24-May-14 A | 24-May-15 | 5d |
| NHT4950-new | Installation Guardrails from Sta.A 2+470 to Sta.A 3+070 @ LHS | 1d | 100% | 03-Jan-15 | 04-Jan-15 | 14-Sep-14 A | 14-Sep-14 A | |
| NHT3415. | House connection | 120d | 90% | | | 01-Oct-14 A | 14-May-15 | -5d |
| NHT4955-new | Installation Guardrail for road From Sta.A 3+100 to Sta.A 3+250 @ LHS. | 1d | 100% | 03-Jan-15 | 03-Jan-15 | 29-Oct-14 A | 29-Oct-14 A | |
| NHT4951-new | Trench Excavation & Backfilling for the Electric high Voltage Cable (40cm*40) | 50d | 40% | 01-Feb-15 | 01-Apr-15 | 01-Dec-14 A | 03-Jun-15 | -5d |
| NHT4900. | Construct concrete ditch and protection | 80d | 80% | | | 02-Dec-14 A | 19-May-15 | 9d |
| NHT4710 | B.C 20 cm Detours | 6d | 100% | 03-Jan-15 | 14-Jan-15 | 20-Dec-14 A | 25-Dec-14 A | |
| NHT4854 | Connection to Makarot pipeline | 3d | 0% | 26-Apr-15 | 28-Apr-15 | 05-May-15 | 07-May-15 | 0d |
| NHT4840 | Pipe Marking | 10d | 0% | 26-Apr-15 | 06-May-15 | 05-May-15 | 16-May-15 | -6d |
| NHT4890 | Street Lighting | 8d | 0% | 13-May-15 | 21-May-15 | 15-Jun-15 | 23-Jun-15 | -22d |
| NHT4910 | Grouted rip rap protection | 8d | 0% | 13-May-15 | 21-May-15 | 15-Jun-15 | 23-Jun-15 | -22d |
| NHT4920 | Guard rail,traffic signs , and Road furnishing | 15d | 0% | 13-May-15 | 29-May-15 | 15-Jun-15 | 01-Jul-15 | -29d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

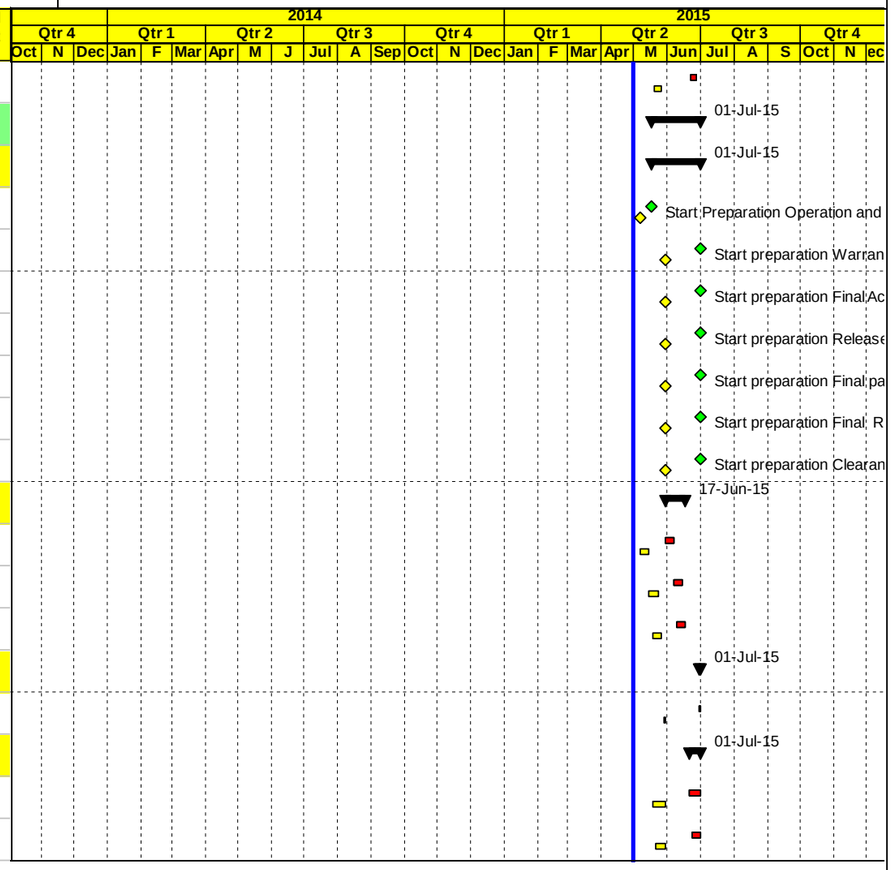
APCO/ArCon CONSTRUCTION AND SERVICES

# Updated Construction Program

**April 30, 2015**

# TO.15
# Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | BL3 Start | BL3 Finish | Start | Finish | Total Float |
|---|---|---|---|---|---|---|---|---|
| NHT4780 | Miscellaneous activities - If any as location is not determined yet | 5d | 0% | 20-May-15 | 25-May-15 | 22-Jun-15 | 27-Jun-15 | -25d |
| **Post Construction Phase** | | 41d | | 07-May-15 | 29-May-15 | 17-May-15 | 01-Jul-15 | -29d |
| **Post Submittals** | | 41d | | 07-May-15 | 29-May-15 | 17-May-15 | 01-Jul-15 | -29d |
| NHT4922 | Start Preparation Operation and Maintenance Manuals | 0d | 0% | 07-May-15 | | 17-May-15 | | -6d |
| NHT4925 | Start preparation Warranties (to USAID) | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| NHT4930 | Start preparation Final Acceptance Certificate | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| NHT4935 | Start preparation Release of liens and waiver of debts and claims against the government | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| NHT4940 | Start preparation Final payment | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| NHT4945 | Start preparation Final Report | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| NHT4955 | Start preparation Clearance certificate from local entities/ Authorities involved | 0d | 0% | 29-May-15 | | 01-Jul-15 | | -29d |
| **Start up, Training and commissioning** | | 17d | | 07-May-15 | 26-May-15 | 30-May-15 | 17-Jun-15 | -18d |
| NHT4965 | Pre commissioning | 7d | 0% | 07-May-15 | 14-May-15 | 30-May-15 | 06-Jun-15 | -18d |
| NHT5005 | Commissioning | 7d | 0% | 14-May-15 | 23-May-15 | 06-Jun-15 | 14-Jun-15 | -18d |
| NHT5015 | Training | 7d | 0% | 18-May-15 | 26-May-15 | 09-Jun-15 | 17-Jun-15 | -18d |
| **Demobilization** | | 1d | | 28-May-15 | 29-May-15 | 30-Jun-15 | 01-Jul-15 | -29d |
| NHT4975 | Start Demobilization | 1d | 0% | 28-May-15 | 29-May-15 | 30-Jun-15 | 01-Jul-15 | -29d |
| **Post Construction activities** | | 10d | | 18-May-15 | 29-May-15 | 20-Jun-15 | 01-Jul-15 | -29d |
| NHT4995 | Start preparation as-built drawings | 10d | 0% | 18-May-15 | 29-May-15 | 20-Jun-15 | 01-Jul-15 | -29d |
| NHT4985 | Walk Through & Punch List | 7d | 0% | 21-May-15 | 29-May-15 | 23-Jun-15 | 01-Jul-15 | -29d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

## B | One Month Look ahead

APCO/ArCon CONSTRUCTION AND SERVICES

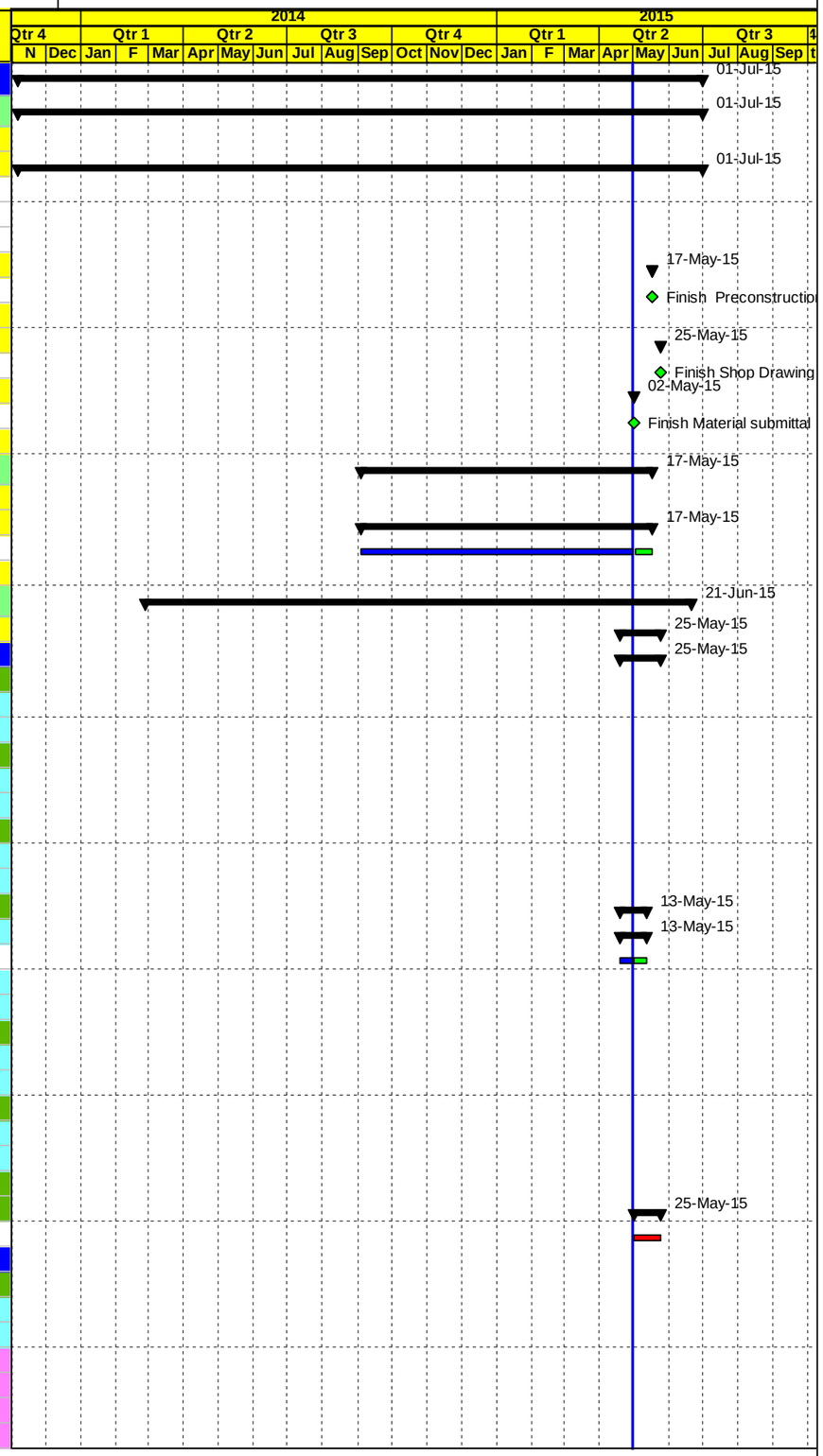
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| **Nahaleen Main Pipeline Project** | | 594d | | 06-Nov-13 A | 01-Jul-15 |
| **Milestones** | | 566d | | 06-Nov-13 A | 01-Jul-15 |
| **General Milestones** | | 0d | | | |
| **Task order Duration** | | 445d | | 06-Nov-13 A | 01-Jul-15 |
| NHT0020 | Project Duration (Calendar Days) | 539d | 88.55% | 06-Nov-13 A | 01-Jul-15 |
| NHT0030 | Project Duration (Working Days) | 445d | 87.95% | 06-Nov-13 A | 01-Jul-15 |
| NHT0040 | Construction Duration (Working Days) | 326d | 83.54% | 26-Feb-14 A | 01-Jul-15 |
| **Pre Construction Milestones** | | 0d | | 17-May-15 | 17-May-15 |
| NHT0060 | Finish Preconstruction Submittal | 0d | 0% | | 17-May-15 |
| **Mobilization Milestones** | | 0d | | | |
| **Shop Drawing Milestones** | | 0d | | 25-May-15 | 25-May-15 |
| NHT0100 | Finish Shop Drawing Submittal | 0d | 0% | | 25-May-15 |
| **Material Milestones** | | 0d | | 02-May-15 | 02-May-15 |
| NHT0120 | Finish Material submittal | 0d | 0% | | 02-May-15 |
| **Construction Milestones** | | 0d | | | |
| **Pre Construction Phase** | | 29d | | 04-Sep-14 A | 17-May-15 |
| **Conformed Drawings and Coordination** | | 0d | | | |
| **Pre Construction Submittals** | | 21d | | 04-Sep-14 A | 17-May-15 |
| NHT2020-NEW | pressure test, disinfection and chlorine plan for water pipelines | 21d | 50% | 04-Sep-14 A | 17-May-15 |
| **Mobilization** | | 0d | | | |
| **Construction Phase** | | 484d | | 26-Feb-14 A | 21-Jun-15 |
| **Construction Submittals** | | 29d | | 20-Apr-15 A | 25-May-15 |
| **Shop Drawing Submittals** | | 29d | | 20-Apr-15 A | 25-May-15 |
| **Plan Profile and Cross Sections** | | 0d | | | |
| **Plan Profile and Cross Sections for Seg. A** | | 0d | | | |
| **Plan Profile and Cross Sections for Seg.B,C,D,E , Hussan and Battir** | | 0d | | | |
| **Waterline** | | 0d | | | |
| **Waterline for Seg. A** | | 0d | | | |
| **Waterline for Seg.B,C,D,E , Hussan and Battir** | | 0d | | | |
| **Valves (Mechanical and Civil Chambers)** | | 0d | | | |
| **Seg. A** | | 0d | | | |
| **Seg.B,C,D, E, Hussan and Battir** | | 0d | | | |
| **Concrete walls** | | 24d | | 20-Apr-15 A | 13-May-15 |
| **Seg. A** | | 21d | | 20-Apr-15 A | 13-May-15 |
| NHT1144-NEW | Boundary Wall from Sta.7+509.3 to Sta.7+534.8 LHS and Boundary Wall from Sta.7+675.4 to Sta.7+687.5 RH | 21d | 50% | 20-Apr-15 A | 13-May-15 |
| **Seg. B** | | 0d | | | |
| **Seg. E** | | 0d | | | |
| **Pipe and Box Culverts** | | 0d | | | |
| **Pipe and Box Culverts** | | 0d | | | |
| **Storm concrete drainage system** | | 0d | | | |
| **Stone Walls** | | 0d | | | |
| **Seg. A** | | 0d | | | |
| **Seg.B& E** | | 0d | | | |
| **Concrete curbstone and side walk** | | 0d | | | |
| **Others** | | 21d | | 02-May-15 | 25-May-15 |
| NHT1140 | Road furnishing/Guard Rail | 21d | 0% | 02-May-15 | 25-May-15 |
| **Material Submittals** | | 0d | | | |
| **Material Submittals including Manufacturers Qualifications , Shop Test, Product Data** | | 0d | | | |
| **Material Submittals Roads** | | 0d | | | |
| **Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule** | | 0d | | | |
| **Pipes** | | 0d | | | |
| **Fittings** | | 0d | | | |
| **Gate Valves** | | 0d | | | |
| **Butterfly valves** | | 0d | | | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

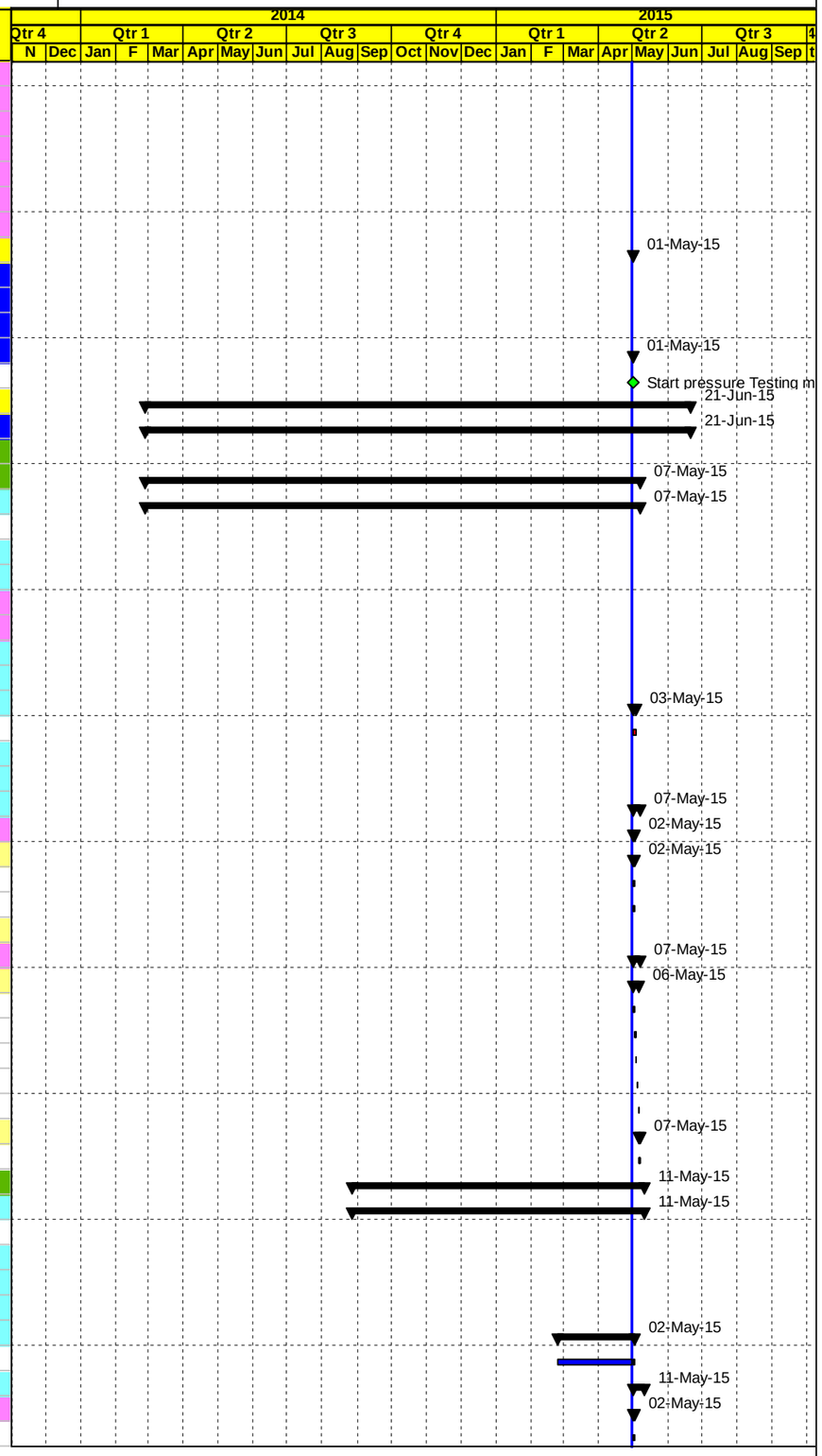
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| Washout valve | | 0d | | | |
| Air relief valves and Pressure reducing valve | | 0d | | | |
| Water meters | | 0d | | | |
| Manholes and chambers | | 0d | | | |
| Control Valves | | 0d | | | |
| House Connection | | 0d | | | |
| Others | | 0d | | | |
| Procurements | | 0d | | 01-May-15 | 01-May-15 |
| Order | | 0d | | | |
| Manufacturing | | 0d | | | |
| Delivery | | 0d | | | |
| Testing | | 0d | | 01-May-15 | 01-May-15 |
| A1000 | Start pressure Testing main pipe line | 0d | 0% | 01-May-15 | |
| Construction Work | | 484d | | 26-Feb-14 A | 21-Jun-15 |
| Phase One Seg A from Sta.A0+000 to Sta.A8+203 | | 462d | | 26-Feb-14 A | 21-Jun-15 |
| Implementation traffic control and safety plan | | 0d | | | |
| SEG.A From Sta.A0+000 to Sta.A1+440 | | 438d | | 26-Feb-14 A | 07-May-15 |
| Safety and Excavation | | 145d | | 26-Feb-14 A | 07-May-15 |
| NHT2510 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 145d | 90% | 26-Feb-14 A | 07-May-15 |
| Retaining wall and Box Culvert | | 0d | | | |
| Pipe Installation | | 0d | | | |
| 300 mm main pipeline | | 0d | | | |
| 300 mm main pipeline with 75 mm dist. Pipe | | 0d | | | |
| Civil Chamber work for transmission pipeline | | 0d | | | |
| Civil Chamber work for Distribution pipeline | | 0d | | | |
| Testing | | 2d | | 02-May-15 | 03-May-15 |
| NHT2760 | Pressure Testing | 2d | 0% | 02-May-15 | 03-May-15 |
| Base course and Asphalt From Sta. A0+100 To A0+720 | | 0d | | | |
| Base course and Asphalt From Sta. A0+720 To A1+440 | | 0d | | | |
| Mechanical Chambers work | | 6d | | 02-May-15 | 07-May-15 |
| Welding flanges | | 1d | | 02-May-15 | 02-May-15 |
| Transmission pipeline | | 1d | | 02-May-15 | 02-May-15 |
| NHT1030-MECH | Welding flanges for Combined BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.: | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1010-MECH | Welding flanges for 300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+720 | 1d | 0% | 02-May-15 | 02-May-15 |
| Distribution pipeline | | 0d | | | |
| Mechanical fittings installation | | 6d | | 02-May-15 | 07-May-15 |
| Transmission pipeline | | 5d | | 02-May-15 | 06-May-15 |
| NHT1060-MECH | Fittings installation for Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1070-MECH | Fittings installation for 300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+72 | 1d | 0% | 03-May-15 | 03-May-15 |
| NHT1080-MECH | Fittings installation for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 1d | 0% | 04-May-15 | 04-May-15 |
| NHT1090-MECH | Fittings installation Combined BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.3 | 1d | 0% | 05-May-15 | 05-May-15 |
| NHT1100-MECH | Fittings installation for Wash out Valve chamber (250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 1d | 0% | 06-May-15 | 06-May-15 |
| Distribution pipeline | | 1d | | 07-May-15 | 07-May-15 |
| NHT1110-MECH | Fittings installation for Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 1d | 0% | 07-May-15 | 07-May-15 |
| SEG.A From Sta.A1+440- A2+260 | | 265d | | 28-Aug-14 A | 11-May-15 |
| Safety and Excavation | | 58d | | 28-Aug-14 A | 11-May-15 |
| NHT2810 | Maintain traffic control and safety plan with coordination | 58d | 90% | 28-Aug-14 A | 11-May-15 |
| Pipe Installation 75 mm dist. pipe | | 0d | | | |
| Civil Chamber work for Distribution pipeline | | 0d | | | |
| Testing | | 0d | | | |
| Base course and Asphalt | | 10d | | 24-Feb-15 A | 02-May-15 |
| NHT2970-new | Concrete Pavement from St. 1+940 to 1+980 | 10d | 90% | 24-Feb-15 A | 02-May-15 |
| Mechanical Chambers work | | 9d | | 02-May-15 | 11-May-15 |
| Welding flanges | | 1d | | 02-May-15 | 02-May-15 |
| NHT1130-MECH | Welding flanges for Combined chamber G.V(75mm, PN16, pipeline Dia.75mm)&ARV 50mm, PN16, pipeline D | 1d | 0% | 02-May-15 | 02-May-15 |




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



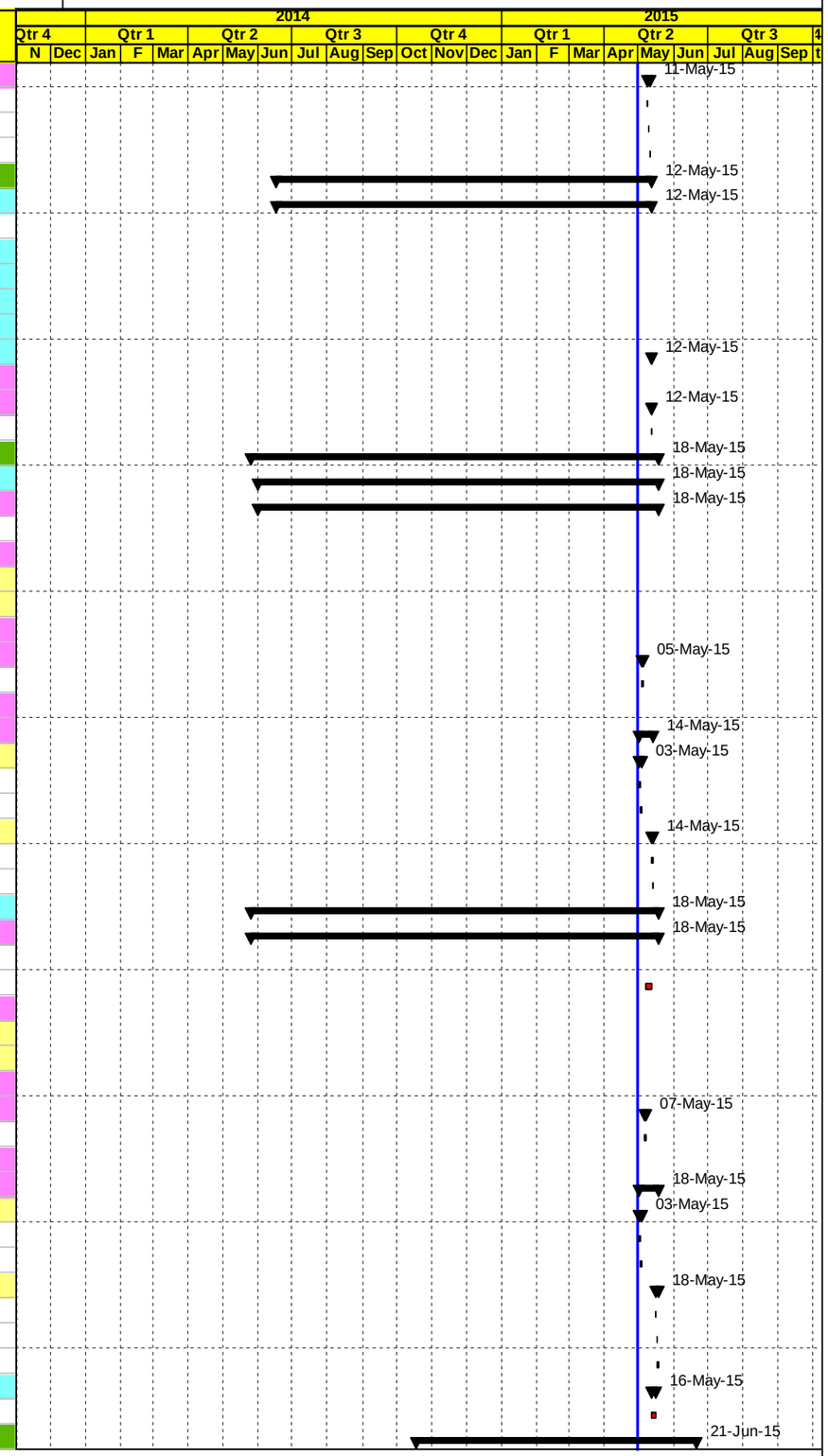
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## One Month Look Ahead

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| Mechanical fittings installation | | 3d | | 09-May-15 | 11-May-15 |
| NHT1150-MECH | Fittings installation for Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 1d | 0% | 09-May-15 | 09-May-15 |
| NHT1160-MECH | Fittings installation Combined chamber G.V(75mm, PN16, pipeline Dia.75mm)&ARV 50mm, PN16, pipeline Di | 1d | 0% | 10-May-15 | 10-May-15 |
| NHT1170-MECH | Fittings installation Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 1d | 0% | 11-May-15 | 11-May-15 |
| SEG.A From Sta A2+260.to Sta. A3+320 | | 336d | | 17-Jun-14 A | 12-May-15 |
| Safety, Excavation | | 118d | | 17-Jun-14 A | 12-May-15 |
| NHT2940 | Maintain traffic control and safety plan with coordination | 118d | 90% | 17-Jun-14 A | 12-May-15 |
| Pipe Installation 50 mm dist. Pipe | | 0d | | | |
| Civil Chamber work for Distribution pipeline | | 0d | | | |
| Testing | | 0d | | | |
| Base course and Asphalt | | 0d | | | |
| Mechanical Chambers work | | 1d | | 12-May-15 | 12-May-15 |
| Welding flanges | | 0d | | | |
| Mechanical fittings installation | | 1d | | 12-May-15 | 12-May-15 |
| NHT1190-MECH | Fittings installation Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 1d | 0% | 12-May-15 | 12-May-15 |
| SEG.A From Sta.A3+320 to Sta.A5+800 | | 359d | | 25-May-14 A | 18-May-15 |
| SEG.A From Sta.A3+320 to Sta.A3+850 | | 344d | | 01-Jun-14 A | 18-May-15 |
| Safety, Excavation, Culvert , concrete channel and Basecourse | | 70d | | 01-Jun-14 A | 18-May-15 |
| NHT3580 | Maintain traffic control and safety plan, Coordination for Relocation Utilities and others | 70d | 90% | 01-Jun-14 A | 18-May-15 |
| Pipe Installation | | 0d | | | |
| Pipe Installation for 250 mm main pipeline & 50 mm pipeline from A3+320 to sta.A3+546 | | 0d | | | |
| Pipe Installation for 250 mm main pipeline from A3+546 to sta.A3+850 | | 0d | | | |
| Chamber work for transmission pipeline | | 0d | | | |
| Testing | | 2d | | 04-May-15 | 05-May-15 |
| NHT3680 | Pressure Testing | 2d | 0% | 04-May-15 | 05-May-15 |
| Base course and Stone Wall | | 0d | | | |
| Mechanical Chambers work | | 12d | | 02-May-15 | 14-May-15 |
| Welding flanges | | 2d | | 02-May-15 | 03-May-15 |
| NHT1200-MECH | Welding flanges for Wash out Valve chamber (200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1210-MECH | Welding flanges for Combined BFV and Wash out chamber (250,200mm- PN40, pipeline Dia.250 mm) @St.A | 1d | 0% | 03-May-15 | 03-May-15 |
| Mechanical fittings installation | | 2d | | 13-May-15 | 14-May-15 |
| NHT1220-MECH | Fittings installation for Wash out Valve chamber(200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 1d | 0% | 13-May-15 | 13-May-15 |
| NHT1230-MECH | Fittings installation for Combined BFV and Wash out chamber(250,200mm- PN40, pipeline Dia.250 mm) @St | 1d | 0% | 14-May-15 | 14-May-15 |
| SEG.A From Sta.A3+850 to Sta.A5+800 | | 359d | | 25-May-14 A | 18-May-15 |
| Safety, Excavation and Concrete Works | | 291d | | 25-May-14 A | 18-May-15 |
| NHT3710 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 84d | 90% | 25-May-14 A | 18-May-15 |
| NHT3725-new | Construction of 800mm pipe culvert @ St. 5+525 | 5d | 0% | 07-May-15 | 13-May-15 |
| Pipe Installation | | 0d | | | |
| 250 mm main pipeline | | 0d | | | |
| 250 mm main pipeline with 50 mm dist. Pipe | | 0d | | | |
| Civil Chamber work for transmission pipeline | | 0d | | | |
| Testing | | 2d | | 06-May-15 | 07-May-15 |
| NHT3820 | Pressure Testing | 2d | 0% | 06-May-15 | 07-May-15 |
| Base course | | 0d | | | |
| Mechanical Chambers work | | 15d | | 02-May-15 | 18-May-15 |
| Welding flanges | | 2d | | 02-May-15 | 03-May-15 |
| NHT1250-MECH | Welding flanges for Flow monitoring (250mm, PN40, pipeline Dia.250 mm)&GV & DN 50 mm Combination AR | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1260-MECH | Welding flanges for Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 1d | 0% | 03-May-15 | 03-May-15 |
| Mechanical fittings installation | | 3d | | 16-May-15 | 18-May-15 |
| NHT1270-MECH | Fittings installation for ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 1d | 0% | 16-May-15 | 16-May-15 |
| NHT1280-MECH | Fittings installation for Flow monitoring (250mm, PN40, pipeline Dia.250 mm)&GV & DN 50 mm Combination A | 1d | 0% | 17-May-15 | 17-May-15 |
| NHT1290-MECH | Fittings installation for Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 1d | 0% | 18-May-15 | 18-May-15 |
| SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS ( Asphalt -work ) | | 2d | | 13-May-15 | 16-May-15 |
| NHT5235 | 5 cm Asphalt wearing layer for including tack coat from St. 5+500 -5+800 | 2d | 0% | 13-May-15 | 16-May-15 |
| SEG.A From Sta.A5+800 to Sta. 6+800 | | 228d | | 18-Oct-14 A | 21-Jun-15 |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

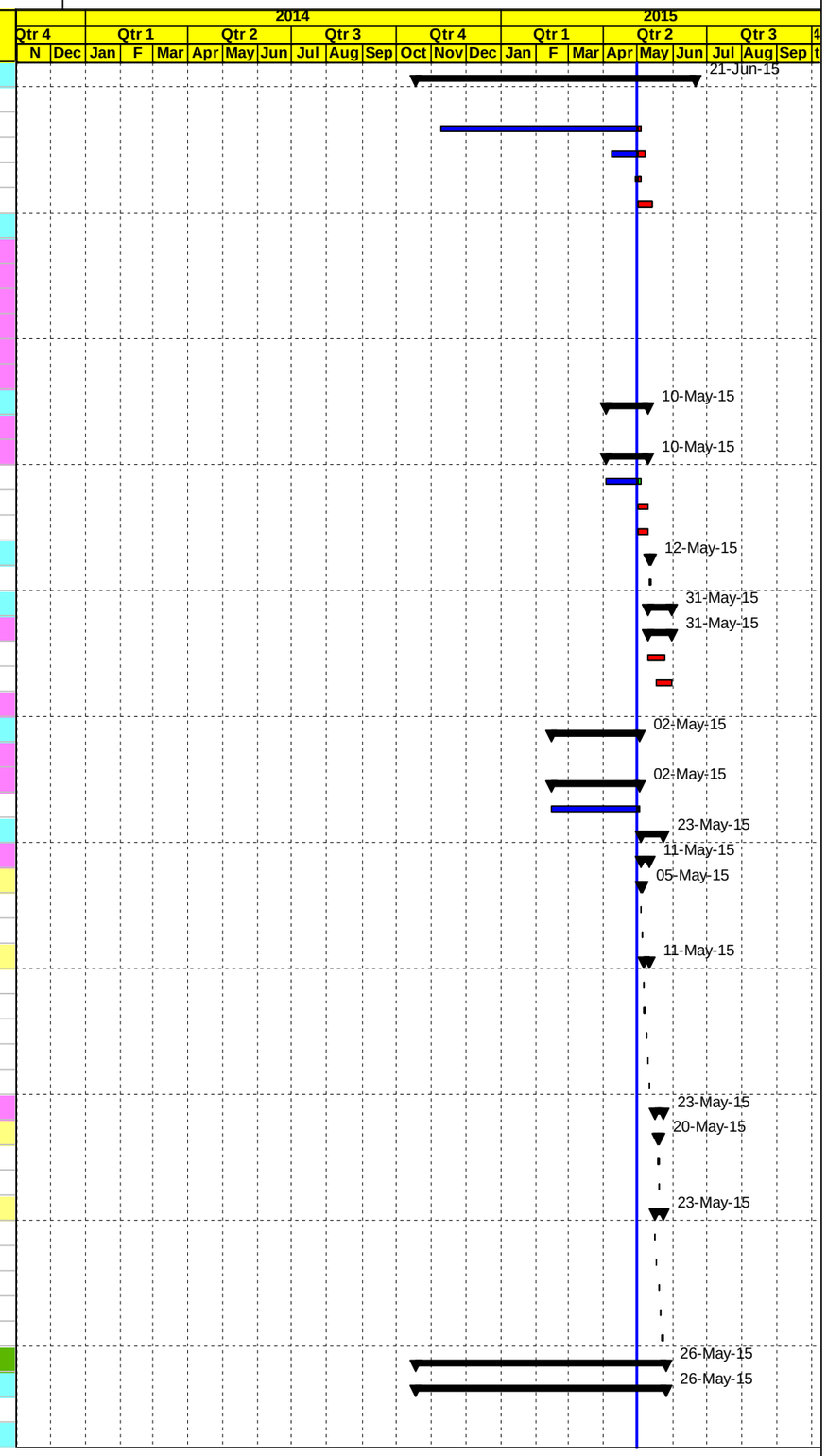
# Construction Program

## One Month Look Ahead

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| **Safety, Excavation, Pipe Culvert and storm system** | | 162d | | 18-Oct-14 A | 21-Jun-15 |
| NHT3860 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 89d | 50% | 18-Oct-14 A | 21-Jun-15 |
| NHT3890 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from Sta.6+200 to Sta.6+340 | 20d | 90% | 09-Nov-14 A | 04-May-15 |
| NHT3900 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from st. A5+800 to A6+040 | 13d | 60% | 08-Apr-15 A | 07-May-15 |
| NHT3880 | Construct -Dia.800 mm of precast pipe culvert @ Sta.A6+198 | 10d | 80% | 29-Apr-15 A | 03-May-15 |
| NHT5325 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 5+80( | 11d | 0% | 02-May-15 | 13-May-15 |
| **Pipe Installation** | | 0d | | | |
| **200 mm main pipeline with 100 and 50 mm dist. Pipe from A5+810 to sta.A5+900** | | 0d | | | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A5+900 to sta.A9+970** | | 0d | | | |
| **200mm main pipeline with 150 from A5+970 to sta.A6+220** | | 0d | | | |
| **50 mm dist. Pipe from A5+990to sta.A6+210 and access 6+200** | | 0d | | | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+220 to sta.A6+630** | | 0d | | | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+630 to sta.A6+800** | | 0d | | | |
| **Civil Chamber work** | | 40d | | 04-Apr-15 A | 10-May-15 |
| **Civil Chamber work for transmission pipeline** | | 0d | | | |
| **Civil Chamber work for Distribution pipeline** | | 33d | | 04-Apr-15 A | 10-May-15 |
| NHT4100-new | Construct -Combined Gate Valve chamber(75,50mm, PN16, pipeline Dia.75,70 mm) @A5+990 | 8d | 70% | 04-Apr-15 A | 04-May-15 |
| NHT4115-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A6+460 LHS | 8d | 0% | 02-May-15 | 10-May-15 |
| NHT4385-new | Construct -Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 8d | 0% | 02-May-15 | 10-May-15 |
| **Testing** | | 2d | | 11-May-15 | 12-May-15 |
| NHT3940 | Pressure Testing | 2d | 0% | 11-May-15 | 12-May-15 |
| **Base course** | | 22d | | 10-May-15 | 31-May-15 |
| **from St. 5+800 6+240** | | 20d | | 10-May-15 | 31-May-15 |
| NHT3950 | 20 cm thick for first base course layer from St. 5+800-6+240 | 14d | 0% | 10-May-15 | 25-May-15 |
| NHT4220 | 20 cm thick for second base course layer from St. 5+800-6+240 | 14d | 0% | 17-May-15 | 31-May-15 |
| **from St. 6+240 6+800** | | 0d | | | |
| **Side walk and asphalt** | | 9d | | 14-Feb-15 A | 02-May-15 |
| **from St. 5+800 6+240** | | 0d | | | |
| **from St. 6+240 6+800** | | 8d | | 14-Feb-15 A | 02-May-15 |
| NHT5415 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 90% | 14-Feb-15 A | 02-May-15 |
| **Mechanical Chambers work** | | 17d | | 04-May-15 | 23-May-15 |
| **Welding flanges** | | 7d | | 04-May-15 | 11-May-15 |
| **Transmission pipeline** | | 2d | | 04-May-15 | 05-May-15 |
| NHT1300-MECH | Welding flanges for ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 1d | 0% | 04-May-15 | 04-May-15 |
| NHT1310-MECH | Welding flanges for Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ A | 1d | 0% | 05-May-15 | 05-May-15 |
| **Distribution pipeline** | | 5d | | 06-May-15 | 11-May-15 |
| NHT1320-MECH | Welding flanges for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @ A5+900 | 1d | 0% | 06-May-15 | 06-May-15 |
| NHT1330-MECH | Welding flanges for Combined Gate Valve chamber (75,50mm, PN16, pipeline Dia.75,70 mm) @ A5+990 | 1d | 0% | 07-May-15 | 07-May-15 |
| NHT1340-MECH | Welding flanges for Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+2( | 1d | 0% | 09-May-15 | 09-May-15 |
| NHT1350-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ A6+460 LHS | 1d | 0% | 10-May-15 | 10-May-15 |
| NHT1460-MECH | Welding flanges for Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 1d | 0% | 11-May-15 | 11-May-15 |
| **Mechanical fittings installation** | | 7d | | 16-May-15 | 23-May-15 |
| **Transmission pipeline** | | 2d | | 19-May-15 | 20-May-15 |
| NHT1360-MECH | Fittings installation for ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 1d | 0% | 19-May-15 | 19-May-15 |
| NHT1370-MECH | Fittings installation for Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ | 1d | 0% | 20-May-15 | 20-May-15 |
| **Distribution pipeline** | | 7d | | 16-May-15 | 23-May-15 |
| NHT1380-MECH | Fittings installation for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @A5+900 | 1d | 0% | 16-May-15 | 16-May-15 |
| NHT1390-MECH | Fittings installation for Combined Gate Valve chamber(75,50mm, PN16, pipeline Dia.75,70 mm) @A5+990 | 1d | 0% | 17-May-15 | 17-May-15 |
| NHT1400-MECH | Fittings installation for Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+ | 1d | 0% | 20-May-15 | 20-May-15 |
| NHT1410-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A6+460 LHS | 1d | 0% | 21-May-15 | 21-May-15 |
| NHT1540-MECH | Fittings installation for Combined Gate Valve chamber(75,50mm-PN16, pipeline Dia.75, 50 mm) @A6+760 | 1d | 0% | 23-May-15 | 23-May-15 |
| **SEG.A From Sta.A6+800 to Sta. 7+460** | | 223d | | 18-Oct-14 A | 26-May-15 |
| **Safety, Excavation and storm system** | | 118d | | 18-Oct-14 A | 26-May-15 |
| NHT4010 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 118d | 50% | 18-Oct-14 A | 26-May-15 |
| **Concrete wall** | | 0d | | | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

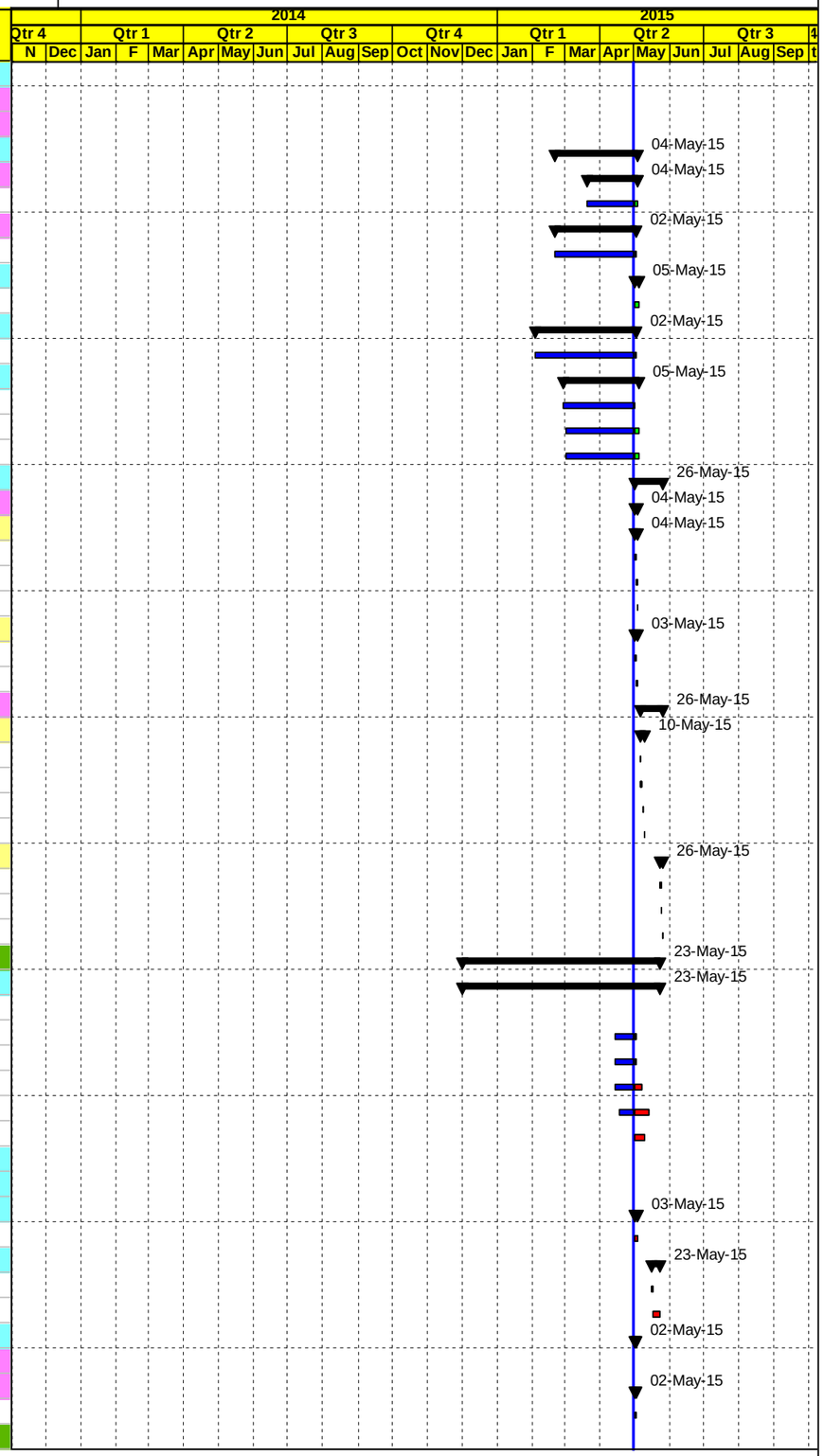
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| **Pipe Installation** | | 0d | | | |
| **200 mm main pipeline with 150 mm and 75 mm dist. Pipe from A6+800 to sta.A7+270** | | 0d | | | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A7+270 to sta.A7+470** | | 0d | | | |
| **Civil Chamber work** | | 61d | | 21-Feb-15 A | 04-May-15 |
| **Civil Chamber work for transmission pipeline** | | 21d | | 21-Mar-15 A | 04-May-15 |
| NHT4370 | Construct -Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 21d | 90% | 21-Mar-15 A | 04-May-15 |
| **Civil Chamber work for Distribution pipeline** | | 8d | | 21-Feb-15 A | 02-May-15 |
| NHT4395-new | Construct -Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 8d | 90% | 21-Feb-15 A | 02-May-15 |
| **Testing** | | 4d | | 02-May-15 | 05-May-15 |
| NHT4100 | Pressure Testing | 4d | 0% | 02-May-15 | 05-May-15 |
| **Base course , street lighting** | | 9d | | 04-Feb-15 A | 02-May-15 |
| NHT4320 | 20 cm thick for second base course layer from 6+800 to st. 7+460 | 9d | 90% | 04-Feb-15 A | 02-May-15 |
| **Side walk and asphalt** | | 50d | | 28-Feb-15 A | 05-May-15 |
| NHT4340 | 5cm asphalt binder course including prime coat from St. 6+800 - 7+460 | 2d | 95% | 28-Feb-15 A | 02-May-15 |
| NHT4360 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 50% | 02-Mar-15 A | 05-May-15 |
| NHT5315 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 6+800 - 7+460 | 6d | 40% | 02-Mar-15 A | 05-May-15 |
| **Mechanical Chambers work** | | 22d | | 02-May-15 | 26-May-15 |
| **Welding flanges** | | 3d | | 02-May-15 | 04-May-15 |
| **Transmission pipeline** | | 3d | | 02-May-15 | 04-May-15 |
| NHT1430-MECH | Welding flanges for Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1440-MECH | Welding flanges for Combined ARV(200mm,PN25,pipeline Dia.200 mm)&3 GV,200,200,80mm-PN25,pipeline | 1d | 0% | 03-May-15 | 03-May-15 |
| NHT1450-MECH | Welding flanges for Battir Connection (150mm, PN16, pipeline Dia.150mm)&( PN 16 bar, Gate valve DN 75m | 1d | 0% | 04-May-15 | 04-May-15 |
| **Distribution pipeline** | | 2d | | 02-May-15 | 03-May-15 |
| NHT1480-MECH | Welding flanges for ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1490-MECH | Welding flanges for Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 1d | 0% | 03-May-15 | 03-May-15 |
| **Mechanical fittings installation** | | 18d | | 06-May-15 | 26-May-15 |
| **Transmission pipeline** | | 4d | | 06-May-15 | 10-May-15 |
| NHT1500-MECH | Fittings installation for ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 1d | 0% | 06-May-15 | 06-May-15 |
| NHT1510-MECH | Fittings installation for Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 1d | 0% | 07-May-15 | 07-May-15 |
| NHT1520-MECH | Fittings installation for Combined ARV(200mm,PN25,pipeline Dia.200mm)&3 GV,200,200,80mm-PN25,pipelin | 1d | 0% | 09-May-15 | 09-May-15 |
| NHT1530-MECH | Fittings installation for Battir Connection (150mm, PN16, pipeline Dia.150mm)&( PN 16 bar, Gate valve DN 75 | 1d | 0% | 10-May-15 | 10-May-15 |
| **Distribution pipeline** | | 3d | | 24-May-15 | 26-May-15 |
| NHT1550-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 1d | 0% | 24-May-15 | 24-May-15 |
| NHT1560-MECH | Fittings installation for ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 1d | 0% | 25-May-15 | 25-May-15 |
| NHT1570-MECH | Fittings installation for Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 1d | 0% | 26-May-15 | 26-May-15 |
| **SEG.A Road From Sta. 7+460 to Sta. A8+203** | | 132d | | 02-Dec-14 A | 23-May-15 |
| **Safety and Excavation** | | 98d | | 02-Dec-14 A | 23-May-15 |
| NHT4390 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 37d | 70% | 02-Dec-14 A | 23-May-15 |
| NHT4500 | Pipe Culvert (600 mm) At Sta.7+792.4-Segment A | 8d | 90% | 15-Apr-15 A | 02-May-15 |
| NHT4590 | Boundary Wall From Sta. A7+515 to A7+530 LHS | 10d | 90% | 15-Apr-15 A | 02-May-15 |
| NHT4740 | Boundary Wall From Sta. A7+675 to A7+690 RHS | 10d | 40% | 15-Apr-15 A | 07-May-15 |
| NHT4750 | One Side Shuttering From Sta. A7+750 to Sta. A7+780 RHS | 20d | 40% | 18-Apr-15 A | 14-May-15 |
| NHT4720 | Construction of 800 mm pipe culvert @St. 8+150 | 8d | 0% | 02-May-15 | 10-May-15 |
| **Pipe Installation** | | 0d | | | |
| **Civil Chamber work for Distribution pipeline** | | 0d | | | |
| **Testing** | | 2d | | 02-May-15 | 03-May-15 |
| NHT4430 | Pressure Testing | 2d | 0% | 02-May-15 | 03-May-15 |
| **Base course and Asphalt** | | 7d | | 16-May-15 | 23-May-15 |
| NHT4460 | 5cm asphalt binder course including prime coat | 2d | 0% | 16-May-15 | 17-May-15 |
| NHT4470 | Construct curbstone after Saw cut the edge of asphalt binder course | 5d | 0% | 18-May-15 | 23-May-15 |
| **Mechanical Chambers work** | | 1d | | 02-May-15 | 02-May-15 |
| **Welding flanges** | | 0d | | | |
| **Mechanical fittings installation** | | 1d | | 02-May-15 | 02-May-15 |
| NHT1620-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 1d | 0% | 02-May-15 | 02-May-15 |
| **Asphalt for SEG. A5+800 to 8+203 A** | | 0d | | | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon CONSTRUCTION AND SERVICES

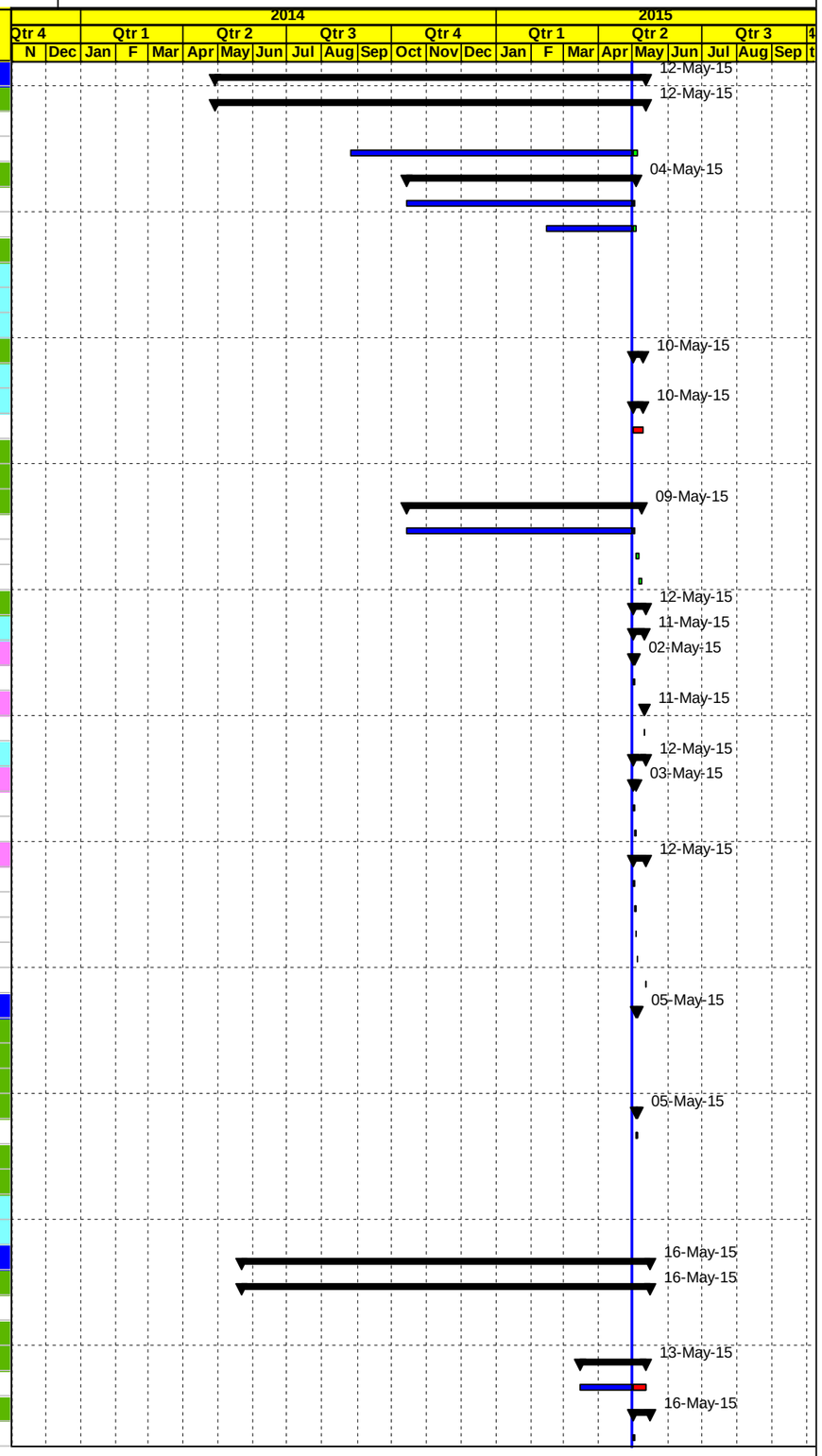
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| Phase Two SEG.B From Sta. B0+000 to Sta. B0+985 RHS & LHS | | 245d | | 28-Apr-14 A | 12-May-15 |
| Safety, Excavation and Storm system | | 175d | | 28-Apr-14 A | 12-May-15 |
| NHT5475 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 80d | 90% | 28-Apr-14 A | 12-May-15 |
| NHT4490 | Construct 600 &400 mm concrete pipe for storm sytem with manholes & catch basin from B0+110 to B0+230 | 40d | 90% | 26-Aug-14 A | 05-May-15 |
| Concrete Wall | | 85d | | 15-Oct-14 A | 04-May-15 |
| NHT4490-new | Boundary Wall Segment B | 37d | 95% | 15-Oct-14 A | 03-May-15 |
| NHT4498-new | Retaining Wall from Sta.B0+690 to Sta.B0+708 RHS | 21d | 90% | 14-Feb-15 A | 04-May-15 |
| Pipe Installation | | 0d | | | |
| 100 mm main pipeline from | | 0d | | | |
| 100 mm main pipeline with 50 mm dist. Pipe | | 0d | | | |
| 100 mm main pipeline with 100 mm dist. Pipe | | 0d | | | |
| Civil Chamber work | | 9d | | 02-May-15 | 10-May-15 |
| Civil Chamber work for transmission pipeline | | 0d | | | |
| Civil Chamber work for Distribution pipeline | | 8d | | 02-May-15 | 10-May-15 |
| NHT4580-new | Construct -Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 8d | 0% | 02-May-15 | 10-May-15 |
| Testing | | 0d | | | |
| Base course , street lighting | | 0d | | | |
| Side walk an asphalt | | 138d | | 15-Oct-14 A | 09-May-15 |
| NHT4620 | Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk | 17d | 95% | 15-Oct-14 A | 02-May-15 |
| NHT4680 | 5cm asphalt binder course including prime coat from St.B 0+950 to St. 0+980 | 2d | 0% | 04-May-15 | 06-May-15 |
| NHT5245 | 5 cm Asphalt wearing course including prime and tack coats | 2d | 0% | 06-May-15 | 09-May-15 |
| Mechanical Chambers work | | 10d | | 02-May-15 | 12-May-15 |
| Welding flanges | | 9d | | 02-May-15 | 11-May-15 |
| Transmission pipeline | | 1d | | 02-May-15 | 02-May-15 |
| NHT1650-MECH | Welding flanges for Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 1d | 0% | 02-May-15 | 02-May-15 |
| Distribution pipeline | | 1d | | 11-May-15 | 11-May-15 |
| NHT1710-MECH | Welding flanges for Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 1d | 0% | 11-May-15 | 11-May-15 |
| Mechanical fittings installation | | 10d | | 02-May-15 | 12-May-15 |
| Transmission pipeline | | 2d | | 02-May-15 | 03-May-15 |
| NHT1720-MECH | Fittings installation for Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1730-MECH | Fittings installation for Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 1d | 0% | 03-May-15 | 03-May-15 |
| Distribution pipeline | | 10d | | 02-May-15 | 12-May-15 |
| NHT1760-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1740-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 1d | 0% | 03-May-15 | 03-May-15 |
| NHT1770-MECH | Fittings installation for Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 | 1d | 0% | 04-May-15 | 04-May-15 |
| NHT1780-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 1d | 0% | 05-May-15 | 05-May-15 |
| NHT1790-MECH | Fittings installation for Combined Gate Valve chamber(50mm, PN16, pipeline Dia. 50 mm) @B0+985,A5+815 | 1d | 0% | 12-May-15 | 12-May-15 |
| Phase Three SEG.C From St.C0+000 -St.C0+330 | | 2d | | 04-May-15 | 05-May-15 |
| Safety and Excavation | | 0d | | | |
| Pipe Installation | | 0d | | | |
| Civil Chamber work for Distribution pipeline | | 0d | | | |
| Testing | | 2d | | 04-May-15 | 05-May-15 |
| NHT3120 | Pressure Testing | 2d | 0% | 04-May-15 | 05-May-15 |
| Base course and Asphalt | | 0d | | | |
| Mechanical Chambers work | | 0d | | | |
| Welding flanges | | 0d | | | |
| Mechanical fittings installation | | 0d | | | |
| Phase Four SEG.D From Sta.D0+540 to Sta.D0+000 (Non-Residential area) | | 349d | | 22-May-14 A | 16-May-15 |
| Safety, Excavation and Concrete Works | | 41d | | 22-May-14 A | 16-May-15 |
| NHT3450 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 35% | 22-May-14 A | 16-May-15 |
| Pipe Installation | | 0d | | | |
| Civil Chamber work | | 15d | | 16-Mar-15 A | 13-May-15 |
| NHT3500 | Construct - ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 15d | 30% | 16-Mar-15 A | 13-May-15 |
| Testing | | 13d | | 02-May-15 | 16-May-15 |
| NHT3515 | Radiographic Testing (RT) | 1d | 0% | 02-May-15 | 02-May-15 |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

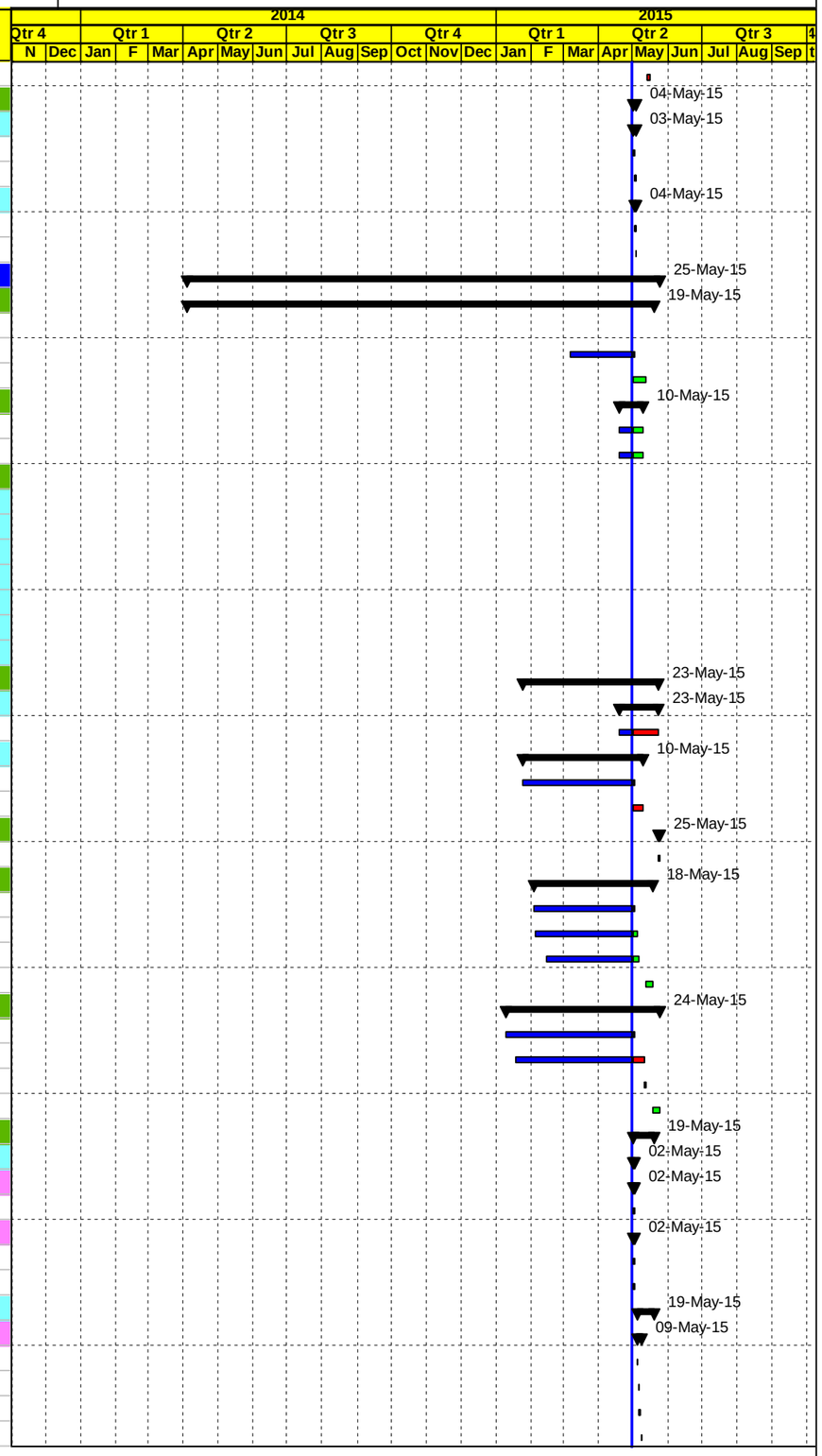
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| NHT3520 | Pressure Testing | 2d | 0% | 13-May-15 | 16-May-15 |
| **Mechanical Chambers work** | | 3d | | 02-May-15 | 04-May-15 |
| **Welding flanges** | | 2d | | 02-May-15 | 03-May-15 |
| NHT1820-MECH | Welding flanges for ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1830-MECH | Welding flanges for Combined BFV (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.: | 1d | 0% | 03-May-15 | 03-May-15 |
| **Mechanical fittings installation** | | 2d | | 03-May-15 | 04-May-15 |
| NHT1840-MECH | Fittings installation for ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 1d | 0% | 03-May-15 | 03-May-15 |
| NHT1850-MECH | Fittings installation for Combined BFV (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Di | 1d | 0% | 04-May-15 | 04-May-15 |
| **Phase Five SEG.E From Sta. E-0+038 to Sta.E1+367** | | 406d | | 03-Apr-14 A | 25-May-15 |
| **Safety, Excavation** | | 328d | | 03-Apr-14 A | 19-May-15 |
| NHT3180 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 214d | 65% | 03-Apr-14 A | 19-May-15 |
| NHT3210 | Pipe Culvert (800 mm) at Sta.0+584.7 | 10d | 95% | 08-Mar-15 A | 02-May-15 |
| NHT5445 | Excavation for access road @ St. E0+900 & E1+000 | 10d | 0% | 02-May-15 | 12-May-15 |
| **Concrete Walls** | | 10d | | 20-Apr-15 A | 10-May-15 |
| NHT5485 | Boundary Wall along access road E0+900 ( 0+000 to 0+070) RHS | 10d | 20% | 20-Apr-15 A | 10-May-15 |
| NHT5495 | Boundary Wall along access road E1+000 ( 0+000 to 0+070) RHS and LHS | 10d | 20% | 20-Apr-15 A | 10-May-15 |
| **Pipe Installation** | | 0d | | | |
| **Pipe Installation 300 mm main pipeline & 75 mm from -E0+040 To E0+220** | | 0d | | | |
| **Pipe Installation for 300 mm main pipeline & 50 mm from E0+220 To E0+280** | | 0d | | | |
| **Pipe Installation for 300 mm main pipeline , 150 mm & 50 mm from E0+280 To E0+460** | | 0d | | | |
| **Pipe Installation for 300 mm main pipeline , 100 mm & 50 mm pipeline from E0+460 To E1+000** | | 0d | | | |
| **Pipe Installation for 300 mm main pipeline & 75 mm pipeline from E1+000To E1+250** | | 0d | | | |
| **Pipe Installation for 250 mm main pipeline & 50 mm pipeline from E1+250 To E1+367** | | 0d | | | |
| **future connection** | | 0d | | | |
| **Civil Chambers** | | 63d | | 25-Jan-15 A | 23-May-15 |
| **Civil Chamber work for transmission pipeline** | | 21d | | 20-Apr-15 A | 23-May-15 |
| NHT3250-new | Construct -Nahaleen Connection chamber(150mm, PN40, pipeline Dia 200 mm ) &(PN 40 bar, GV DN 75 m | 21d | 10% | 20-Apr-15 A | 23-May-15 |
| **Civil Chamber work for Distribution pipeline** | | 63d | | 25-Jan-15 A | 10-May-15 |
| NHT3134-new | Construct - PRV chamber(150mm, PN40, pipeline Dia.150 mm)&PN 40 bar, additional Gate valve DN 100 m | 8d | 95% | 25-Jan-15 A | 02-May-15 |
| NHT3040-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 8d | 0% | 02-May-15 | 10-May-15 |
| **Testing** | | 2d | | 23-May-15 | 25-May-15 |
| NHT3200 | Pressure Testing | 2d | 0% | 23-May-15 | 25-May-15 |
| **Base course** | | 80d | | 03-Feb-15 A | 18-May-15 |
| NHT3270 | 2 layers 20 cm thick for base course layer from St. 1+200 to St. 1+367 | 5d | 90% | 03-Feb-15 A | 02-May-15 |
| NHT3253 | Topping -20 cm From E0+230 to Sta.E0+900 & St.1+140 to 1+200 | 20d | 80% | 05-Feb-15 A | 05-May-15 |
| NHT3230 | 20 cm thick for base course layer E0+230 to Sta.E0+900 & St. 1+140 to 1+200 | 15d | 70% | 15-Feb-15 A | 06-May-15 |
| NHT3280 | Base ourse for access road @ St. E0+900 & E1+000 | 5d | 0% | 13-May-15 | 18-May-15 |
| **Curbstone and Asphalt** | | 72d | | 10-Jan-15 A | 24-May-15 |
| NHT3290 | Curbstone ,concrete side walks, ramps including 15 cm base course from E-0+038 to Sta.E0+230 & E0+9 | 30d | 95% | 10-Jan-15 A | 03-May-15 |
| NHT5355 | Curbstone ,concrete side walks, ramps including 15 cm base course FROM E0+230 to Sta.E0+900 & 1+14 | 21d | 60% | 18-Jan-15 A | 11-May-15 |
| NHT3305 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 11-May-15 | 13-May-15 |
| NHT3315 | Asphalt for access road @ St. E0+900 & E1+000 | 5d | 0% | 19-May-15 | 24-May-15 |
| **Mechanical Chambers work** | | 16d | | 02-May-15 | 19-May-15 |
| **Welding flanges** | | 1d | | 02-May-15 | 02-May-15 |
| **Transmission pipeline** | | 1d | | 02-May-15 | 02-May-15 |
| NHT1870-MECH | Welding flanges for Nahaleen Connection chamber(150mm, PN40, pipeline Dia 200mm ) &(PN 40 bar, GV DI | 1d | 0% | 02-May-15 | 02-May-15 |
| **Distribution pipeline** | | 1d | | 02-May-15 | 02-May-15 |
| NHT2020-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT1940-MECH | Welding flanges for PRV chamber(150mm, PN40, pipeline Dia.150 mm)&PN 40 bar, additional Gate valve DN | 1d | 0% | 02-May-15 | 02-May-15 |
| **Mechanical fittings installation** | | 13d | | 05-May-15 | 19-May-15 |
| **Transmission pipeline** | | 4d | | 05-May-15 | 09-May-15 |
| NHT2030-MECH | Fittings installation for ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 1d | 0% | 05-May-15 | 05-May-15 |
| NHT2040-MECH | Fittings installation for Nahaleen Connection chamber(150mm,PN40,pipeline Dia.200mm) & (PN 40 bar,GV D | 1d | 0% | 06-May-15 | 06-May-15 |
| NHT2050-MECH | Fittings installation for Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 1d | 0% | 07-May-15 | 07-May-15 |
| NHT2060-MECH | Fittings installation for ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 1d | 0% | 09-May-15 | 09-May-15 |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

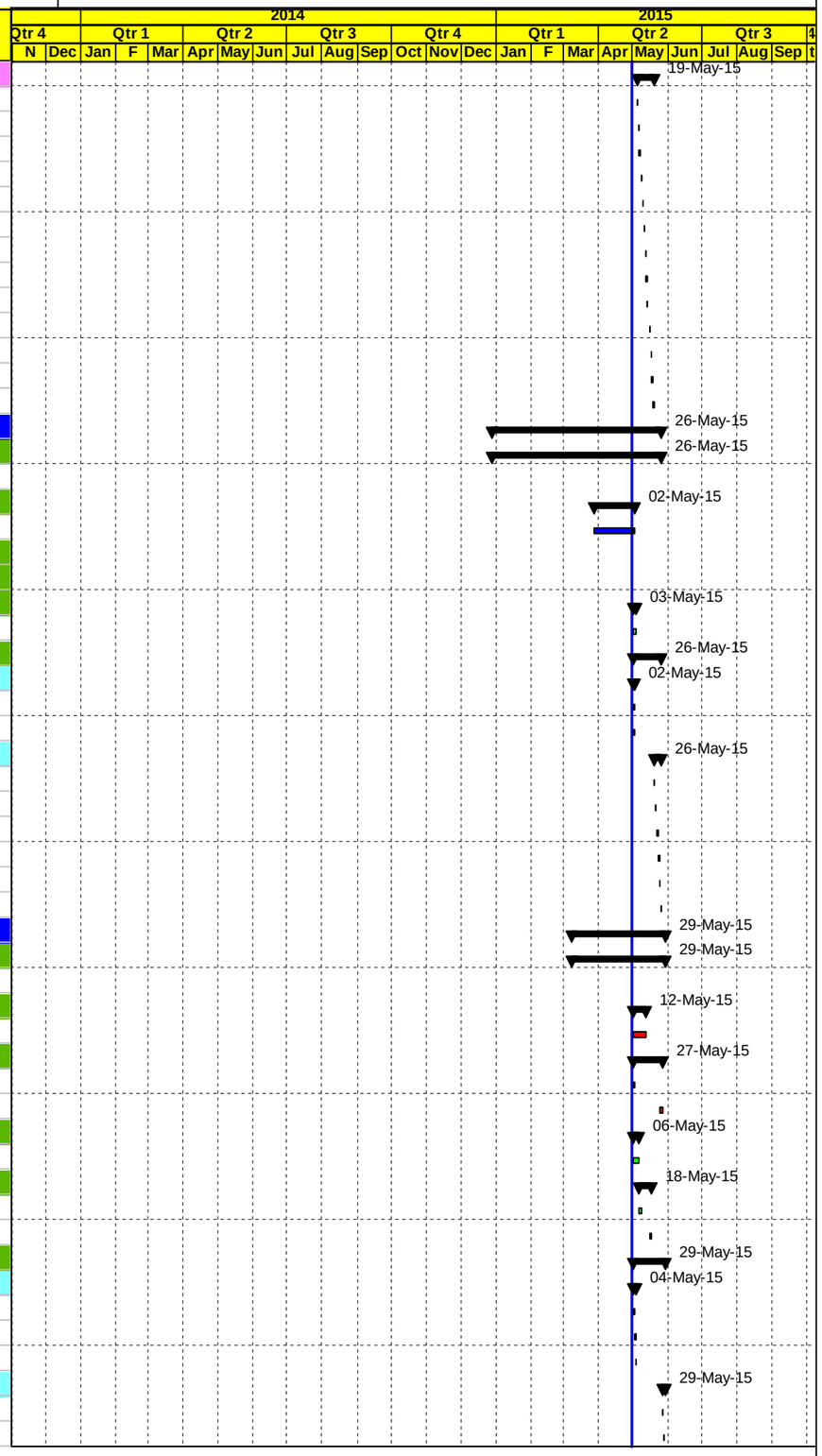
# Construction Program

## One Month Look Ahead

## TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| **Distribution pipeline** | | 13d | | 05-May-15 | 19-May-15 |
| NHT2070-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 1d | 0% | 05-May-15 | 05-May-15 |
| NHT2080-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 1d | 0% | 06-May-15 | 06-May-15 |
| NHT2090-MECH | Fittings installation for Combined Gate Valve(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline D | 1d | 0% | 07-May-15 | 07-May-15 |
| NHT2100-MECH | Fittings installation for Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 1d | 0% | 09-May-15 | 09-May-15 |
| NHT2110-MECH | Fittings installation for PRV chamber 150mm, PN40, pipeline Dia.150mm)&PN 40 bar, additional G.V DN 100r | 1d | 0% | 10-May-15 | 10-May-15 |
| NHT2120-MECH | Fittings installation for Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 1d | 0% | 11-May-15 | 11-May-15 |
| NHT2130-MECH | Fittings installation for Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 1d | 0% | 12-May-15 | 12-May-15 |
| NHT2140-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 1d | 0% | 13-May-15 | 13-May-15 |
| NHT2150-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 1d | 0% | 14-May-15 | 14-May-15 |
| NHT2160-MECH | Fittings installation for for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 1d | 0% | 16-May-15 | 16-May-15 |
| NHT2170-MECH | Fittings installation for Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 1d | 0% | 17-May-15 | 17-May-15 |
| NHT2180-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 1d | 0% | 18-May-15 | 18-May-15 |
| NHT2190-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 1d | 0% | 19-May-15 | 19-May-15 |
| **Phase Six Battir Distribution pipes** | | 150d | | 28-Dec-14 A | 26-May-15 |
| **Safety and Pipe Installation** | | 39d | | 28-Dec-14 A | 26-May-15 |
| NHT3380 | Maintain traffic control and safety plan ,coordination | 39d | 50% | 28-Dec-14 A | 26-May-15 |
| **Civil Chamber work for Distribution pipeline** | | 8d | | 28-Mar-15 A | 02-May-15 |
| NHT3438-new | Construct Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 8d | 90% | 28-Mar-15 A | 02-May-15 |
| **Testing** | | 0d | | | |
| **Retaining Walls** | | 0d | | | |
| **Asphalt** | | 2d | | 02-May-15 | 03-May-15 |
| NHT5265 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 02-May-15 | 03-May-15 |
| **Mechanical Chambers work** | | 22d | | 02-May-15 | 26-May-15 |
| **Welding flanges** | | 1d | | 02-May-15 | 02-May-15 |
| NHT2230-MECH | Welding flanges for PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT2240-MECH | Welding flanges for Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 02-May-15 | 02-May-15 |
| **Mechanical fittings installation** | | 6d | | 20-May-15 | 26-May-15 |
| NHT2260-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 1d | 0% | 20-May-15 | 20-May-15 |
| NHT2270-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 1d | 0% | 21-May-15 | 21-May-15 |
| NHT2280-MECH | Fittings installation for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 1d | 0% | 23-May-15 | 23-May-15 |
| NHT2290-MECH | Fittings installation for PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 24-May-15 | 24-May-15 |
| NHT2300-MECH | Fittings installation for Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 1d | 0% | 25-May-15 | 25-May-15 |
| NHT2310-MECH | Fittings installation for ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 1d | 0% | 26-May-15 | 26-May-15 |
| **Phase Seven Hussan Distribution pipes** | | 66d | | 08-Mar-15 A | 29-May-15 |
| **Safety and Pipe Installation** | | 41d | | 08-Mar-15 A | 29-May-15 |
| NHT3310 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 39.02% | 08-Mar-15 A | 29-May-15 |
| **Civil Chamber work for Distribution pipeline** | | 10d | | 02-May-15 | 12-May-15 |
| NHT3350 | Construct Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 mm) | 10d | 0% | 02-May-15 | 12-May-15 |
| **Testing** | | 23d | | 02-May-15 | 27-May-15 |
| NHT3354 | Radiographic Testing (RT) | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT3360 | Pressure Testing | 2d | 0% | 25-May-15 | 27-May-15 |
| **Retaining Walls** | | 5d | | 02-May-15 | 06-May-15 |
| NHT3412-new | Retaining Walls | 5d | 0% | 02-May-15 | 06-May-15 |
| **Asphalt** | | 9d | | 07-May-15 | 18-May-15 |
| NHT3510 | Milling | 2d | 0% | 07-May-15 | 09-May-15 |
| NHT5255 | 5 cm Asphalt wearing course including tack coat | 2d | 0% | 16-May-15 | 18-May-15 |
| **Mechanical Chambers work** | | 25d | | 02-May-15 | 29-May-15 |
| **Welding flanges** | | 3d | | 02-May-15 | 04-May-15 |
| NHT2320-MECH | Welding flanges for Combined Valve Chamber @Side road A5+900-H0+020 ARV,GV,GV(100,50,50mm-PN1 | 1d | 0% | 02-May-15 | 02-May-15 |
| NHT2330-MECH | Welding flanges for Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 mm | 1d | 0% | 03-May-15 | 03-May-15 |
| NHT2340-MECH | Welding flanges for combined Valve chamber @ Side road A5+900-H0+320 ARV,GV (100,50mm-PN16, pipe | 1d | 0% | 04-May-15 | 04-May-15 |
| **Mechanical fittings installation** | | 3d | | 27-May-15 | 29-May-15 |
| NHT2350-MECH | Fittings installation for Combined Valve @Side road A5+900-H0+020 ARV,GV,GV(100,50,50mm-PN16,pipelin | 1d | 0% | 27-May-15 | 27-May-15 |
| NHT2360-MECH | Fittings installation for Gate Valve chamber@ Side road A5+900-H0+200, GV (50mm, PN16, pipeline Dia.50 r | 1d | 0% | 28-May-15 | 28-May-15 |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

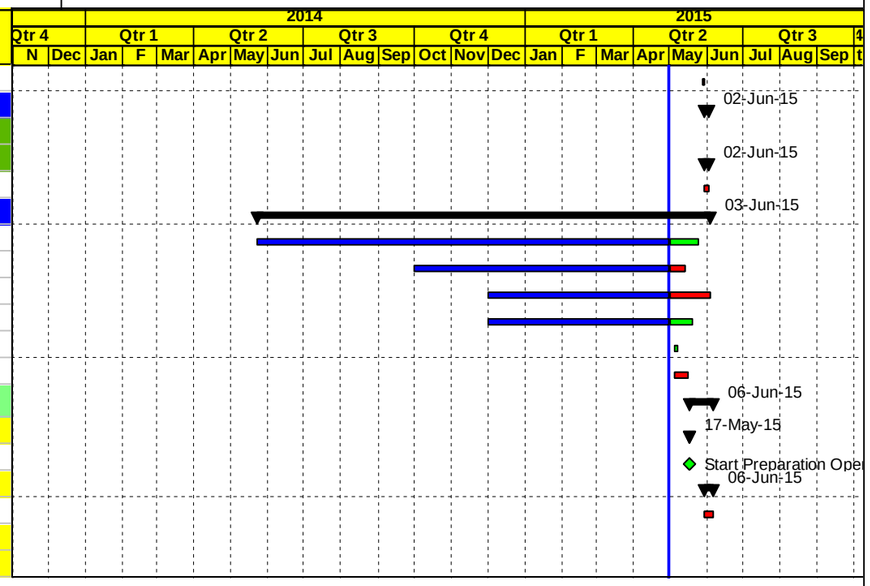
**Construction Program**

One Month Look Ahead

**TO.15**

**Nahaleen Main Pipeline Project**

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish |
|---|---|---|---|---|---|
| NHT2370-MECH | Fittings installation for Combined Valve chamber @Side road A5+900-H0+320 ARV,GV(100,50mm-PN16, pip | 1d | 0% | 29-May-15 | 29-May-15 |
| **Final Mechanical connection** | | 4d | | 30-May-15 | 02-Jun-15 |
| **Mechanical** | | 0d | | | |
| **Final Disinfection and Pressure Testing** | | 4d | | 30-May-15 | 02-Jun-15 |
| NHT4850 | Final Disinfection For main and dist.Pipeline | 4d | 0% | 30-May-15 | 02-Jun-15 |
| **Miscellaneous and Road Finishing work for SEG. A , B, C & E** | | 310d | | 24-May-14 A | 03-Jun-15 |
| NHT2804 | Construct stone walls | 100d | 80% | 24-May-14 A | 24-May-15 |
| NHT3415. | House connection | 120d | 90% | 01-Oct-14 A | 14-May-15 |
| NHT4951-new | Trench Excavation & Backfilling for the Electric high Voltage Cable (40cm*40) | 50d | 40% | 01-Dec-14 A | 03-Jun-15 |
| NHT4900. | Construct concrete ditch and protection | 80d | 80% | 02-Dec-14 A | 19-May-15 |
| NHT4854 | Connection to Makarot pipeline | 3d | 0% | 05-May-15 | 07-May-15 |
| NHT4840 | Pipe Marking | 10d | 0% | 05-May-15 | 16-May-15 |
| **Post Construction Phase** | | 21d | | 17-May-15 | 06-Jun-15 |
| **Post Submittals** | | 0d | | 17-May-15 | 17-May-15 |
| NHT4922 | Start Preparation Operation and Maintenance Manuals | 0d | 0% | 17-May-15 | |
| **Start up, Training and commissioning** | | 7d | | 30-May-15 | 06-Jun-15 |
| NHT4965 | Pre commissioning | 7d | 0% | 30-May-15 | 06-Jun-15 |
| **Demobilization** | | 0d | | | |
| **Post Construction activities** | | 0d | | | |




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



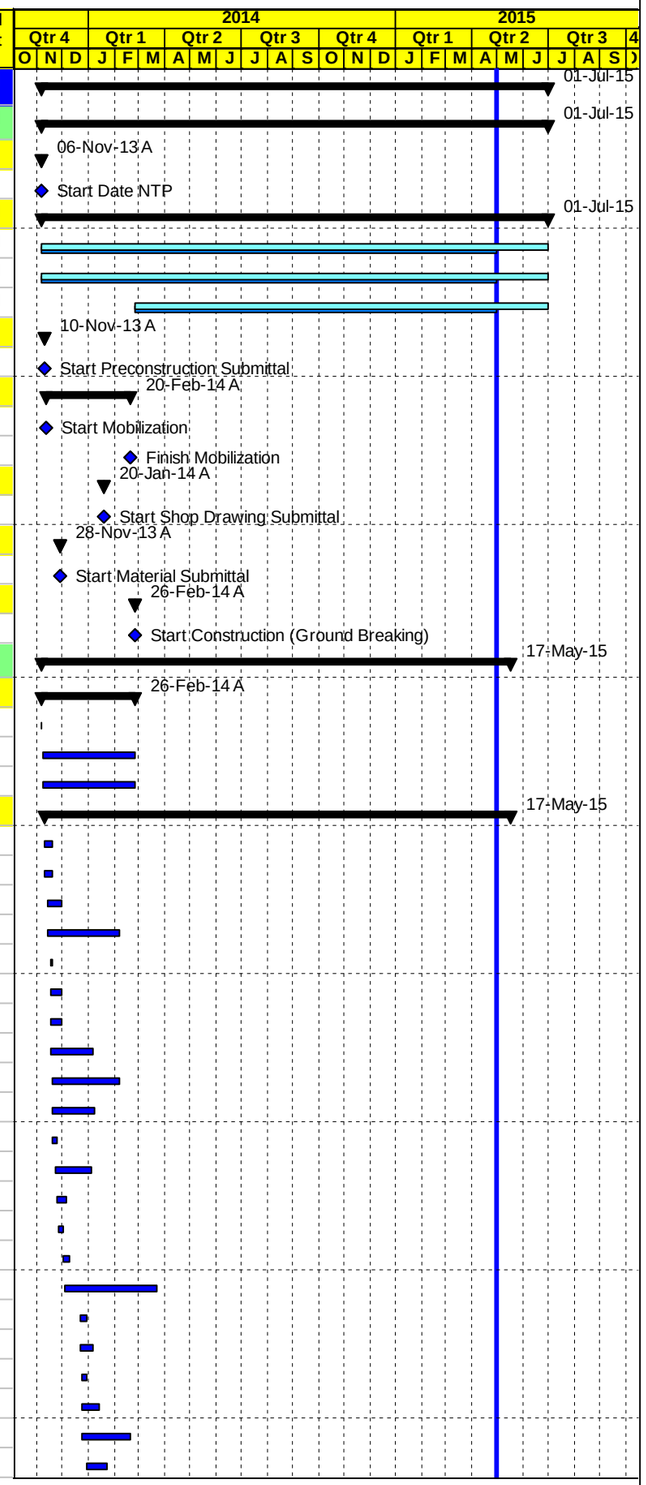
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| **Nahaleen Main Pipeline Project** | | 594d | | 06-Nov-13 A | 01-Jul-15 | -33d |
| **Milestones** | | 445d | | 06-Nov-13 A | 01-Jul-15 | -29d |
| **General Milestones** | | 0d | | 06-Nov-13 A | 06-Nov-13 A | |
| NHT0000 | Start Date NTP | 0d | 100% | 06-Nov-13 A | | |
| **Task order Duration** | | 445d | | 06-Nov-13 A | 01-Jul-15 | -29d |
| NHT0020 | Project Duration (Calendar Days) | 539d | 88.55% | 06-Nov-13 A | 01-Jul-15 | -33d |
| NHT0030 | Project Duration (Working Days) | 445d | 87.95% | 06-Nov-13 A | 01-Jul-15 | -29d |
| NHT0040 | Construction Duration (Working Days) | 326d | 83.54% | 26-Feb-14 A | 01-Jul-15 | -29d |
| **Pre Construction Milestones** | | 0d | | 10-Nov-13 A | 10-Nov-13 A | |
| NHT0050 | Start Preconstruction Submittal | 0d | 100% | 10-Nov-13 A | | |
| **Mobilization Milestones** | | 21d | | 11-Nov-13 A | 20-Feb-14 A | |
| NHT0070 | Start Mobilization | 0d | 100% | 11-Nov-13 A | | |
| NHT0080 | Finish Mobilization | 0d | 100% | | 20-Feb-14 A | |
| **Shop Drawing Milestones** | | 0d | | 20-Jan-14 A | 20-Jan-14 A | |
| NHT0090 | Start Shop Drawing Submittal | 0d | 100% | 20-Jan-14 A | | |
| **Material Milestones** | | 0d | | 28-Nov-13 A | 28-Nov-13 A | |
| NHT0110 | Start Material Submittal | 0d | 100% | 28-Nov-13 A | | |
| **Construction Milestones** | | 0d | | 26-Feb-14 A | 26-Feb-14 A | |
| NHT0130 | Start Construction (Ground Breaking) | 0d | 100% | 26-Feb-14 A | | |
| **Pre Construction Phase** | | 339d | | 06-Nov-13 A | 17-May-15 | 10d |
| **Conformed Drawings and Coordination** | | 41d | | 06-Nov-13 A | 26-Feb-14 A | |
| NHT0145 | Final for Construction Drawing (Conformed) | 1d | 100% | 06-Nov-13 A | 06-Nov-13 A | |
| NHT0150 | Coordination with Israeli authorities for approval and permit area C | 40d | 100% | 07-Nov-13 A | 26-Feb-14 A | |
| NHT0155 | Coordination with local Authorities before Construction | 40d | 100% | 07-Nov-13 A | 26-Feb-14 A | |
| **Pre Construction Submittals** | | 286d | | 10-Nov-13 A | 17-May-15 | 10d |
| NHT0160 | Schedule for Pre Construction Submittals & Mobilization | 10d | 100% | 10-Nov-13 A | 20-Nov-13 A | |
| NHT0170 | Bank Guarantee Certificates | 10d | 100% | 10-Nov-13 A | 19-Nov-13 A | |
| NHT0190 | Field Offices Location & Layout | 10d | 100% | 13-Nov-13 A | 01-Dec-13 A | |
| NHT0200 | Field Offices Furniture & Equipment Plan | 10d | 100% | 13-Nov-13 A | 06-Feb-14 A | |
| NHT0210 | Scheduling Qualification Submittals | 10d | 100% | 17-Nov-13 A | 20-Nov-13 A | |
| NHT0290 | 60-Day Plan of Operation | 10d | 100% | 17-Nov-13 A | 01-Dec-13 A | |
| NHT0300 | Project Overview Bar Chart | 10d | 100% | 17-Nov-13 A | 01-Dec-13 A | |
| NHT0240 | Submittals Schedule | 10d | 100% | 17-Nov-13 A | 07-Jan-14 A | |
| NHT0410 | Trench safety plan | 10d | 100% | 19-Nov-13 A | 06-Feb-14 A | |
| NHT0280 | Safety Plan | 10d | 100% | 19-Nov-13 A | 09-Jan-14 A | |
| NHT0180 | Testing Lab | 10d | 100% | 20-Nov-13 A | 24-Nov-13 A | |
| NHT0330 | Risk Management Plan | 10d | 100% | 22-Nov-13 A | 05-Jan-14 A | |
| NHT0230 | Insurances | 10d | 100% | 24-Nov-13 A | 05-Dec-13 A | |
| NHT0260 | Coordination with local Authorities Plan including list of permits & and licenses | 10d | 100% | 26-Nov-13 A | 03-Dec-13 A | |
| NHT0265 | Temporary and Permanent Project Sign Plan | 10d | 100% | 03-Dec-13 A | 09-Dec-13 A | |
| NHT0390 | CPM-Construction Schedule and S-Curve | 10d | 100% | 03-Dec-13 A | 24-Mar-14 A | |
| NHT0250 | Subcontractors' profile | 10d | 100% | 22-Dec-13 A | 30-Dec-13 A | |
| NHT0320 | Dilapidation Survey | 10d | 100% | 22-Dec-13 A | 07-Jan-14 A | |
| NHT0220 | Key Personnel Plan | 10d | 100% | 25-Dec-13 A | 30-Dec-13 A | |
| NHT0270 | QCP-Quality Control Program | 10d | 100% | 25-Dec-13 A | 14-Jan-14 A | |
| NHT0350 | USAID Branding Plan | 10d | 100% | 25-Dec-13 A | 20-Feb-14 A | |
| NHT0370 | Method Statement including asphalt disposal,pipeline install,formworks,curing,storm sys.,&R. mark | 10d | 100% | 29-Dec-13 A | 23-Jan-14 A | |




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



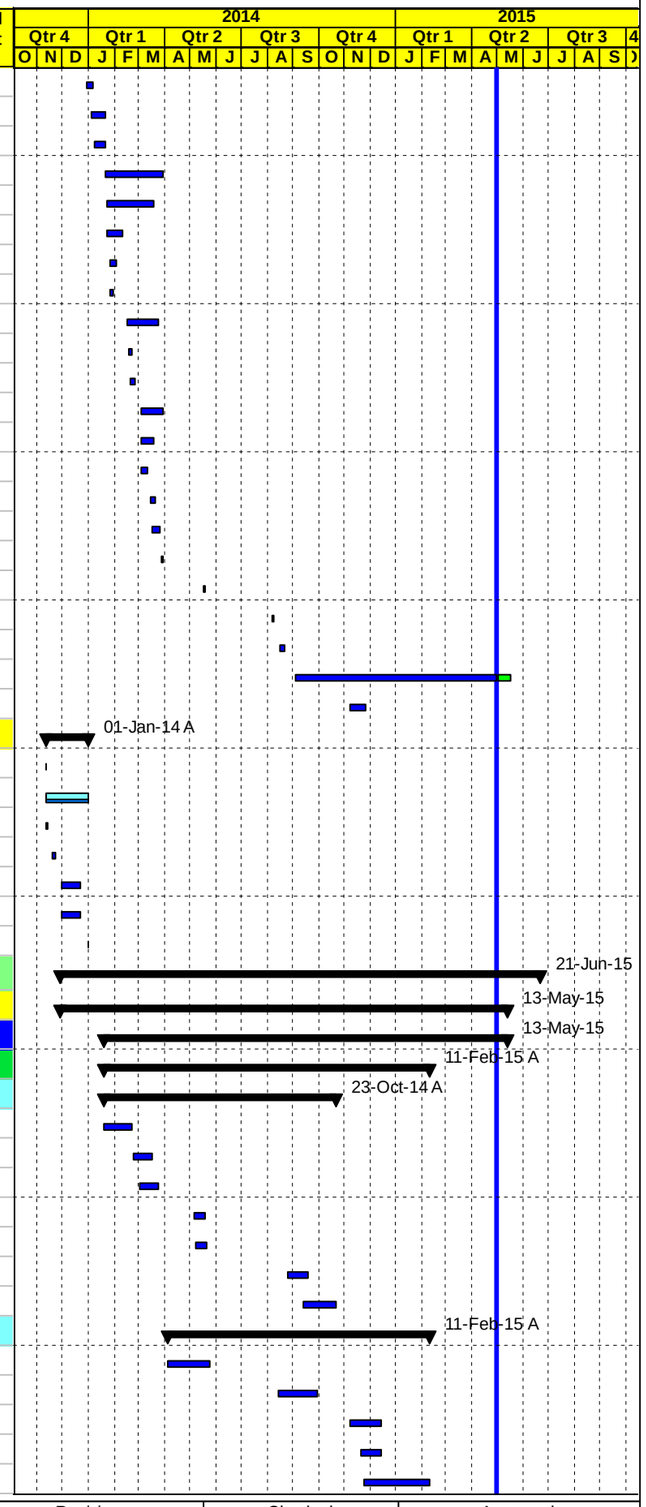
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT0380 | Environmental Mitigation Plan | 10d | 100% | 29-Dec-13 A | 07-Jan-14 A | |
| NHT0340 | Existing Survey Plan | 10d | 100% | 05-Jan-14 A | 21-Jan-14 A | |
| NHT0360 | Material Staging ,Storage and dumping Areas Plan | 10d | 100% | 09-Jan-14 A | 21-Jan-14 A | |
| NHT0450 | Welder Qualification procedure | 10d | 100% | 21-Jan-14 A | 31-Mar-14 A | |
| NHT0430 | Welding procedure | 10d | 100% | 23-Jan-14 A | 20-Mar-14 A | |
| NHT0400 | Traffic Control Plan Phase IA | 10d | 100% | 23-Jan-14 A | 10-Feb-14 A | |
| NHT0420 | Public relation plan | 10d | 100% | 27-Jan-14 A | 03-Feb-14 A | |
| NHT0440 | Third party testing lab | 10d | 100% | 27-Jan-14 A | 30-Jan-14 A | |
| NHT0402-NEW | Traffic Control Plan - Phase 1B-Segment A from St. 0+000 to St. 1+450 | 10d | 100% | 16-Feb-14 A | 25-Mar-14 A | |
| NHT0401-NEW | Traffic Control Plan Phase II | 10d | 100% | 17-Feb-14 A | 22-Feb-14 A | |
| NHT0431-NEW | 3 inch Procedure Qualification Record(PQR) | 10d | 100% | 20-Feb-14 A | 24-Feb-14 A | |
| NHT0436-NEW | Radiographic Testing Safety Plan | 10d | 100% | 04-Mar-14 A | 31-Mar-14 A | |
| NHT0432-NEW | 6 inch and over Procedure Qualification Record (PQR) | 10d | 100% | 05-Mar-14 A | 20-Mar-14 A | |
| NHT0433-NEW | 8-12 inch Procedure Qualification Record (PQR) | 10d | 100% | 05-Mar-14 A | 12-Mar-14 A | |
| NHT0455 | R.T. testing agency qualifications | 10d | 100% | 15-Mar-14 A | 20-Mar-14 A | |
| NHT0435-NEW | Stockpile area for excavated material | 10d | 100% | 17-Mar-14 A | 27-Mar-14 A | |
| NHT0434-NEW | Welders Performance Qualification Certificates | 10d | 100% | 29-Mar-14 A | 31-Mar-14 A | |
| NHT0500-NEW | Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A | 10d | 100% | 18-May-14 A | 19-May-14 A | |
| NHT0510-NEW | Traffic Control Plan from Sta.A1+940 to Sta.A2+270 -Segment A | 10d | 100% | 07-Aug-14 A | 10-Aug-14 A | |
| NHT0520-NEW | Husan Western Entrance Road Traffic Management Plan (Phases 03&05) | 10d | 100% | 17-Aug-14 A | 22-Aug-14 A | |
| NHT2020-NEW | pressure test, disinfection and chlorine plan for water pipelines | 21d | 50% | 04-Sep-14 A | 17-May-15 | 10d |
| NHT2025-NEW | Traffic Control Plan from Sta.0+000 to Sta 1+367 -Segment E | 21d | 100% | 08-Nov-14 A | 26-Nov-14 A | |
| **Mobilization** | | 22d | | 11-Nov-13 A | 01-Jan-14 A | |
| NHT0500 | Site Hand Over | 1d | 100% | 11-Nov-13 A | 11-Nov-13 A | |
| NHT0480 | Mobilization Total Cost (4.0%) | 22d | 100% | 11-Nov-13 A | 01-Jan-14 A | |
| NHT0510 | Checking With CMC Existing-Bench Marks, Survey Control Points | 2d | 100% | 11-Nov-13 A | 12-Nov-13 A | |
| NHT0540 | Start Preparation Construction Submittals (Survey plan , Shop Drawings & Materials) | 3d | 100% | 19-Nov-13 A | 23-Nov-13 A | |
| NHT0530 | Supply and install Office IT Equipments & Applience | 4d | 100% | 30-Nov-13 A | 22-Dec-13 A | |
| NHT0520 | Supply and install Office Furniture's and Supplies | 4d | 100% | 30-Nov-13 A | 22-Dec-13 A | |
| NHT0550 | Install Temporary Project Sign | 1d | 100% | 01-Jan-14 A | 01-Jan-14 A | |
| **Construction Phase** | | 594d | | 28-Nov-13 A | 21-Jun-15 | -23d |
| **Construction Submittals** | | 561d | | 28-Nov-13 A | 13-May-15 | 17d |
| **Shop Drawing Submittals** | | 561d | | 20-Jan-14 A | 13-May-15 | 17d |
| **Plan Profile and Cross Sections** | | 350d | | 20-Jan-14 A | 11-Feb-15 A | |
| **Plan Profile and Cross Sections for Seg. A** | | 315d | | 20-Jan-14 A | 23-Oct-14 A | |
| NHT0590 | SEG.A From Sta.0+000 Ato Sta.1+440 | 21d | 100% | 20-Jan-14 A | 22-Feb-14 A | |
| NHT0650 | SEG.A From Sta.A3+850to Sta.A5+700 | 21d | 100% | 24-Feb-14 A | 17-Mar-14 A | |
| NHT0651-NEW | SEG.A From Sta.3+330 to Sta.3+850 | 21d | 100% | 03-Mar-14 A | 25-Mar-14 A | |
| NHT0600 | SEG.A From Sta.-A1+500 to A2+250 | 21d | 100% | 07-May-14 A | 19-May-14 A | |
| NHT0610 | SEG.A From Sta. 2+250 to Sta.A3+330 | 21d | 100% | 08-May-14 A | 21-May-14 A | |
| NHT0660 | SEG.A From Sta.A5+700 to Sta. 7+050 | 21d | 100% | 26-Aug-14 A | 18-Sep-14 A | |
| NHT0670 | SEG.A From Sta. 7+050 to Sta. A8+203 | 21d | 100% | 14-Sep-14 A | 23-Oct-14 A | |
| **Plan Profile and Cross Sections for Seg.B,C,D,E , Hussan and Battir** | | 187d | | 06-Apr-14 A | 11-Feb-15 A | |
| NHT0680 | SEG.B From Sta. B0+000 to Sta. B0+980 | 21d | 100% | 06-Apr-14 A | 26-May-14 A | |
| NHT0630 | Design and shop drawing for SEG. E From Sta. E0+000 to Sta.E1+367 | 21d | 100% | 14-Aug-14 A | 30-Sep-14 A | |
| NHT0620 | Seg.C From sta.C0+000 to C0+329.8 | 21d | 100% | 08-Nov-14 A | 14-Dec-14 A | |
| NHT0640-new | Simple Access at Sta.E0+900 LHS From Sta.0+000 To Sta.0+109-Segment E | 21d | 100% | 20-Nov-14 A | 14-Dec-14 A | |
| NHT0690-new | Simple Access at Sta.B0+185 LHS From Sta.0+000 To Sta.0+150-Segment B | 21d | 100% | 24-Nov-14 A | 11-Feb-15 A | |




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



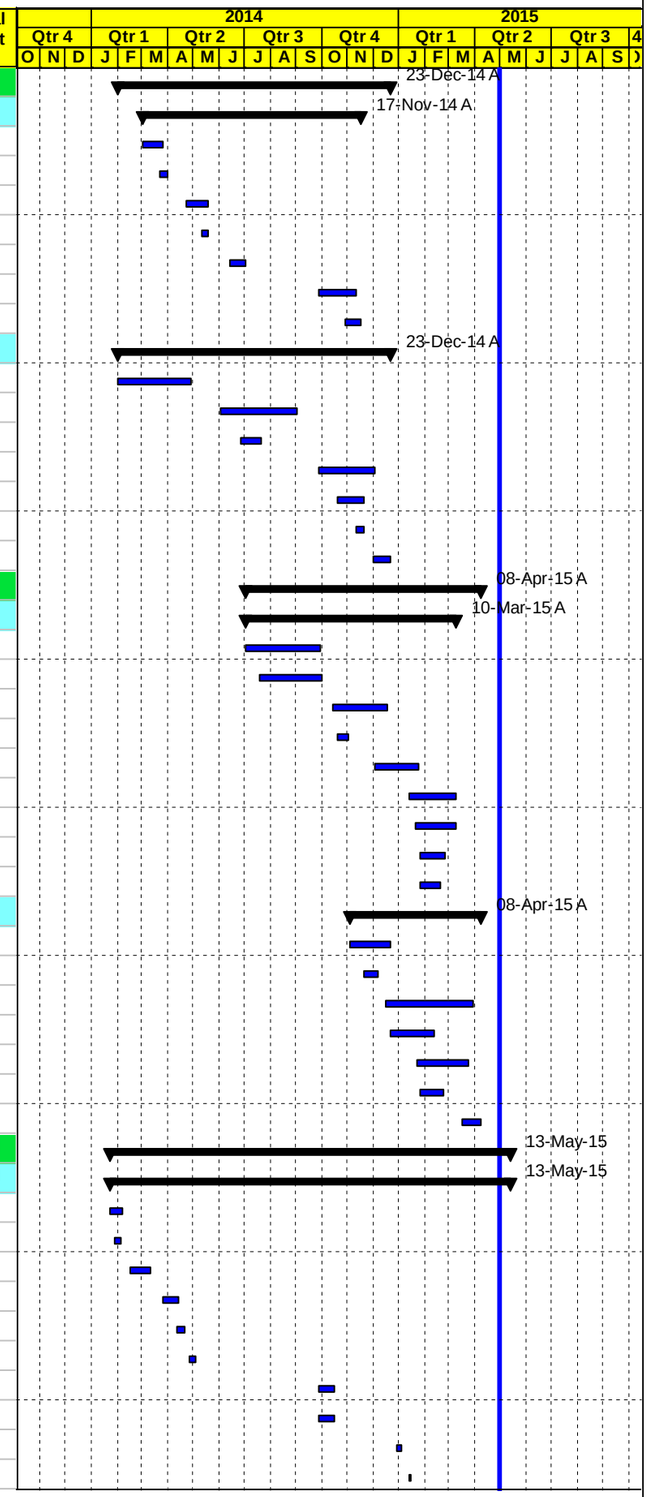
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| **Waterline** | | **379d** | | **02-Feb-14 A** | **23-Dec-14 A** | |
| **Waterline for Seg. A** | | **333d** | | **02-Mar-14 A** | **17-Nov-14 A** | |
| NHT0740 | 250 mm & 50 mm Dia. Waterline Seg. A From Sta.A3+850 to Sta.A5+700 | 21d | 100% | 02-Mar-14 A | 27-Mar-14 A | |
| NHT0741-NEW | 250 mm & 50 mm Dia. Waterline Seg. A From Sta.3+350 to Sta.3+850 -Segment A | 21d | 100% | 24-Mar-14 A | 01-Apr-14 A | |
| NHT0705 | 300 mm & 75 mm Dia. Waterline Seg. A From Sta.A0+100 to Sta.A1+400 | 21d | 100% | 24-Apr-14 A | 20-May-14 A | |
| NHT0720 | 50 mm Dia. Waterline Seg. A from Sta.2+260 to Sta.3+300 | 21d | 100% | 12-May-14 A | 20-May-14 A | |
| NHT0715 | 75 mm Dia. Waterline Seg. A From Sta.A2+260- A1+440 | 21d | 100% | 14-Jun-14 A | 03-Jul-14 A | |
| NHT0745 | 200 mm, 150 mm & 100 mm Dia. Waterline Seg. A From Sta.A5+700 to Sta. 7+000 | 21d | 100% | 28-Sep-14 A | 11-Nov-14 A | |
| NHT0755 | Waterline Seg. A From Sta.7+000 to Sta.7+425-Segment A | 21d | 100% | 30-Oct-14 A | 17-Nov-14 A | |
| **Waterline for Seg.B,C,D,E , Hussan and Battir** | | **335d** | | **02-Feb-14 A** | **23-Dec-14 A** | |
| NHT0700 | 300 mm Dia. Waterline SEG. D From Sta.D0+515 to Sta.D0+000 | 21d | 100% | 02-Feb-14 A | 30-Apr-14 A | |
| NHT0710-new | Concrete support details from Sta.0+000 to Sta.0+510- Segment D | 21d | 100% | 04-Jun-14 A | 03-Sep-14 A | |
| NHT0750 | 100 mm Dia. for Main and Dist. Waterline SEG.B From Sta. B0+000 to Sta. B0+985 | 21d | 100% | 28-Jun-14 A | 22-Jul-14 A | |
| NHT0755-new | Waterline From Sta.-0+038 To Sta.1+400-Segment E | 21d | 100% | 29-Sep-14 A | 04-Dec-14 A | |
| NHT0735 | 150 mm Dia. Waterline for Battir distribution pipe from Sta.0+000 to Sta.1+040 | 21d | 100% | 21-Oct-14 A | 20-Nov-14 A | |
| NHT0725 | 200 mm & 100 mm Dia. waterline SEG.C from sta. 0+000 to st. C0+330 | 21d | 100% | 12-Nov-14 A | 20-Nov-14 A | |
| NHT0730 | 100 mm from Sta.0+000 to Sta.0+600 -Husan Water Pipeline | 21d | 100% | 02-Dec-14 A | 23-Dec-14 A | |
| **Valves (Mechanical and Civil Chambers)** | | **234d** | | **03-Jul-14 A** | **08-Apr-15 A** | |
| **Seg. A** | | **170d** | | **03-Jul-14 A** | **10-Mar-15 A** | |
| NHT0805 | Structural & Mechanical Detail For Valve Chambers from Sta. 0+000 to Sta. 1+400 and from Sta.3+320 to Sta. 5+800 | 21d | 100% | 03-Jul-14 A | 30-Sep-14 A | |
| NHT0810 | 300 mm flow monitoring chamber @ Sta. A0+720 | 21d | 100% | 20-Jul-14 A | 02-Oct-14 A | |
| NHT0815 | Flow monitoring chamber @ Sta. A5+365 | 21d | 100% | 15-Oct-14 A | 18-Dec-14 A | |
| NHT0840-new | Structural & Mechanical Detail For Flow Chambers Typical Section (G.V, Washout,ARV) | 21d | 100% | 20-Oct-14 A | 02-Nov-14 A | |
| NHT0819-new | Struct.& Mech. for Combination 200mm G.V&150mm W.O @ 6+200& Combination Three 200mm G.V with 80mm ARV @St. | 21d | 100% | 03-Dec-14 A | 25-Jan-15 A | |
| NHT0850-new | Struct.&Mech for: Indirect 100mm ARV@ St.E0+355 , Indirect 25 mmWO@ Sta.E0+590&Direct 100mm ARVat St.E1+020 -S | 21d | 100% | 13-Jan-15 A | 10-Mar-15 A | |
| NHT0855-new | Struct.&Mech. for: Direct 80mm ARV@St.A 5+995 , Indirect 50mm ARV@ St.A7+077&Direct 80mm ARVat St.A7+080 -Seg. A | 21d | 100% | 21-Jan-15 A | 10-Mar-15 A | |
| NHT0870-new | Struct.&Mech.for:1.Hussan PRVat A6+200, 2.Combined 2" ARV&4" G.V& 2" G.Vat H0+020,3.Combined 2"ARV&4" G.Vat H0 | 21d | 100% | 27-Jan-15 A | 25-Feb-15 A | |
| NHT0875-new | Structural and Mechanical Detail for Hand hole Typical Section | 21d | 100% | 27-Jan-15 A | 19-Feb-15 A | |
| **Seg.B,C,D, E, Hussan and Battir** | | **119d** | | **05-Nov-14 A** | **08-Apr-15 A** | |
| NHT0835 | Wadi Fukin connection chamber @ Sta. B0+955 | 21d | 100% | 05-Nov-14 A | 23-Dec-14 A | |
| NHT0845-new | Structural & Mechanical Detail For Combination Butterfly with ARV-Seg D @ Sta.0+506 | 21d | 100% | 20-Nov-14 A | 08-Dec-14 A | |
| NHT0825-new | Structural & Mechanical Detail for Hussan Connection Chambers @Sta. A7+330 | 21d | 100% | 17-Dec-14 A | 30-Mar-15 A | |
| NHT0830 | Battir Connection chamber @ Sta.A7+420 | 21d | 100% | 23-Dec-14 A | 12-Feb-15 A | |
| NHT0860-new | Structural and Mechanical Detail for Battir PRV Chamber at Sta.B0+950 | 21d | 100% | 22-Jan-15 A | 24-Mar-15 A | |
| NHT0865-new | Struct.&Mech.Detail for :75mm W.O at Battir St.B0+915, 50mm ARV at Battir St.B1+030&50 mm ARVat St.A7+930 | 21d | 100% | 27-Jan-15 A | 23-Feb-15 A | |
| NHT0820 | Nahaleen connection chamber @ Sta. E0+460 | 21d | 100% | 18-Mar-15 A | 08-Apr-15 A | |
| **Concrete walls** | | **464d** | | **23-Jan-14 A** | **13-May-15** | **15d** |
| **Seg. A** | | **464d** | | **23-Jan-14 A** | **13-May-15** | **15d** |
| NHT0870 | Retaining wall from Sta. A0+200 to A0+129 RHS (71 LM) | 21d | 100% | 23-Jan-14 A | 06-Feb-14 A | |
| NHT0941-NEW | Formwork System for Retaining Work | 21d | 100% | 29-Jan-14 A | 04-Feb-14 A | |
| NHT0890 | Retaining wall from Sta. A0+477 to A0+615 LHS (138 LM) | 21d | 100% | 16-Feb-14 A | 12-Mar-14 A | |
| NHT0891-NEW | Retaining Wall from Sta.0+640 to Sta.0+770 LHS (130 LM) | 21d | 100% | 26-Mar-14 A | 14-Apr-14 A | |
| NHT0943-NEW | Retaining Wall from Sta.0+790 to Sta.0+835 LHS | 21d | 100% | 13-Apr-14 A | 22-Apr-14 A | |
| NHT0994-NEW | One Side Shutter Wall from St.0+480-St.0+574 LHSfrom St.0+614-St.0+790 LHS and from St.0+827-St.0+930 LHS | 21d | 100% | 27-Apr-14 A | 04-May-14 A | |
| NHT1093-NEW | Retaining Wall From Sta.6+505 to Sta.6+560 LHS& Sta.6+574to Sta.6+603 LHS- Segment A | 21d | 100% | 28-Sep-14 A | 16-Oct-14 A | |
| NHT1095-NEW | Retaining Wall From Sta.6+761 To Sta.6+795 LHS& From Sta.6+920 To Sta.6+932 LHS-Segment A | 21d | 100% | 29-Sep-14 A | 16-Oct-14 A | |
| NHT1120-NEW | Retaining Wall from Sta.7+530 to Sta.7+564 LHS -Segment A | 21d | 100% | 30-Dec-14 A | 04-Jan-15 A | |
| NHT1130-NEW | Retaining Wall from Sta.7+355 to Sta.7+393.4 LHS | 21d | 100% | 13-Jan-15 A | 15-Jan-15 A | |




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



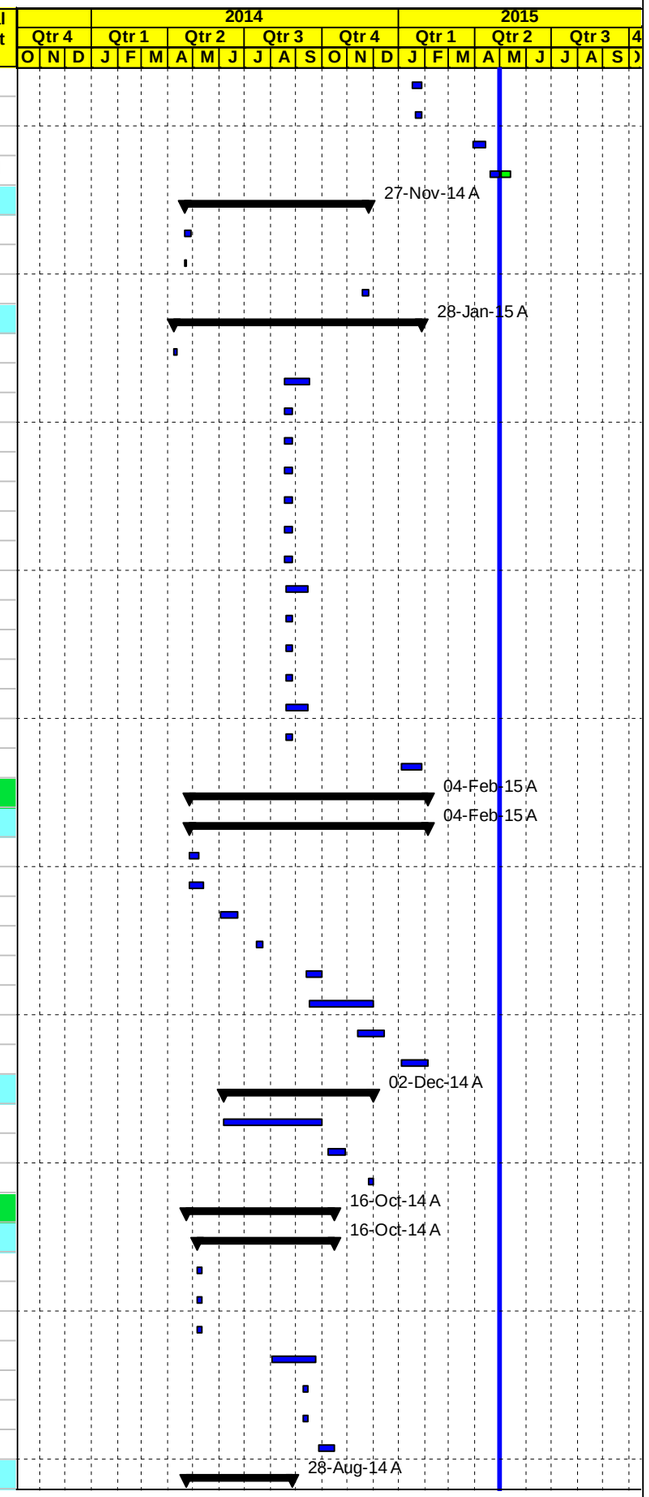
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT1135-NEW | Retaining Wall from Sta.7+475 to Sta.7+488 LHS | 21d | 100% | 18-Jan-15 A | 28-Jan-15 A | |
| NHT1140-NEW | Retaining Wall from Sta.7+170 to Sta.7+191.2 LHS | 21d | 100% | 20-Jan-15 A | 28-Jan-15 A | |
| NHT1142-NEW | One Side Shuttering Wall from Sta.7+651.68 to Sta.7+755 LHS | 21d | 100% | 30-Mar-15 A | 15-Apr-15 A | |
| NHT1144-NEW | Boundary Wall from Sta.7+509.3 to Sta.7+534.8 LHS and Boundary Wall from Sta.7+675.4 to Sta.7+687.5 RHS | 21d | 50% | 20-Apr-15 A | 13-May-15 | 15d |
| **Seg. B** | | 222d | | 22-Apr-14 A | 27-Nov-14 A | |
| NHT0892-NEW | Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS | 21d | 100% | 22-Apr-14 A | 29-Apr-14 A | |
| NHT0993-NEW | Retaining Walls From Sta.B0+471-B0+493.6 LHS&From Sta.B0+506.35-B0+522 LHS & From Sta.B0+523 To B0+529 RHS | 21d | 100% | 22-Apr-14 A | 24-Apr-14 A | |
| NHT1100-NEW | Retaining Wall From Sta0+823 to Sta.0+859 RHS- Segment B | 21d | 100% | 19-Nov-14 A | 27-Nov-14 A | |
| **Seg. E** | | 247d | | 08-Apr-14 A | 28-Jan-15 A | |
| NHT0942-NEW | Concrete Basement Wall-from Sta. E1+100 to E1+116 RHS (16 LM) | 21d | 100% | 08-Apr-14 A | 13-Apr-14 A | |
| NHT0997-NEW | Boundary Wall from Sta. 0+501.85 TO 0+550 LHS& On Side Shuttering Wall from Sta. 0+550 TO 0+595.29 LHS | 21d | 100% | 18-Aug-14 A | 17-Sep-14 A | |
| NHT0998-NEW | Boundary Wall from Sta.0+032 to Sta. 0+063 LHS | 21d | 100% | 18-Aug-14 A | 28-Aug-14 A | |
| NHT0999-NEW | Retaining Wall from Sta. 0+639 to Sta. 0+670 LHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1000-NEW | Boundary Wall from Sta.0+637 to Sta. 0+653 RHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1010-NEW | Boundary Wall from Sta.0+718 to Sta. 0+732 LHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1020-NEW | Boundary Wall from Sta.0+567 to Sta. 0+590 RHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1030-NEW | Retaining Wall from Sta. 0+812.5 to Sta. 0+839 LHS& Boundary Wall from Sta.0+839 to Sta. 0+850 LHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| NHT1050-NEW | Retaining Wall from Sta. 0+754 to Sta. 0+774 LHS-Segment E | 21d | 100% | 21-Aug-14 A | 16-Sep-14 A | |
| NHT1060-NEW | Boundary Wall from Sta.0+818 to Sta. 0+884.3 RHS-Segment E | 21d | 100% | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1070-NEW | Retaining Wall from Sta. 0+045 to Sta. 0+083 RHS-Segment E | 21d | 100% | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1080-NEW | Boundary Wall from Sta.0+200 to Sta. 0+246 RHS-Segment E | 21d | 100% | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1090-NEW | Boundary Wall from Sta.0+948 to Sta. 0+963 RHS-Segment E | 21d | 100% | 21-Aug-14 A | 15-Sep-14 A | |
| NHT1040-NEW | Boundary Wall from Sta.1+050 to Sta. 1+120 RHS-Segment E | 21d | 100% | 21-Aug-14 A | 28-Aug-14 A | |
| NHT1125-NEW | Retaining Wall from Sta.0+886.8 to Sta.0+894.6 LHS-Segment E | 21d | 100% | 05-Jan-15 A | 28-Jan-15 A | |
| **Pipe and Box Culverts** | | 224d | | 28-Apr-14 A | 04-Feb-15 A | |
| **Pipe and Box Culverts** | | 224d | | 28-Apr-14 A | 04-Feb-15 A | |
| NHT0960 | box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+614.0 LHS | 21d | 100% | 28-Apr-14 A | 08-May-14 A | |
| NHT0970 | box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980 LHS | 21d | 100% | 28-Apr-14 A | 14-May-14 A | |
| NHT1015 | Dia.1000 mm of double pipe culvert @ Sta.A5+469 | 21d | 100% | 04-Jun-14 A | 23-Jun-14 A | |
| NHT0980 | Tripple Pipe Culvert ST.1+356 & R.W ST.1+260 -1+380 LHS & One side Shutterring Wall ST.1+380-1+400 LHS | 21d | 100% | 16-Jul-14 A | 24-Jul-14 A | |
| NHT1080 | Pipe Culvert at Sta.3+281.3-Segment A | 21d | 100% | 14-Sep-14 A | 02-Oct-14 A | |
| NHT1030 | Dia.800 mm of pipe culvert @ Sta.A6+197 | 21d | 100% | 17-Sep-14 A | 02-Dec-14 A | |
| NHT1055-new | Pipe Culvert At Sta.7+792.4-Segment A | 21d | 100% | 13-Nov-14 A | 14-Dec-14 A | |
| NHT0990-new | Pipe Culvert at Sta.0+584.7 - Segment E | 21d | 100% | 05-Jan-15 A | 04-Feb-15 A | |
| **Storm concrete drainage system** | | 164d | | 08-Jun-14 A | 02-Dec-14 A | |
| NHT1060 | Storm concrete drainage system from sta. from Sta.0+710 to Sta.0+950-Segment B | 21d | 100% | 08-Jun-14 A | 02-Oct-14 A | |
| NHT1040 | Storm concrete drainage system SEG.A From sta. A5+800 to A6+040 | 21d | 100% | 09-Oct-14 A | 29-Oct-14 A | |
| NHT1065-new | Storm Water from Sta.6+200 to Sta.6+330 -Segment A | 21d | 100% | 26-Nov-14 A | 02-Dec-14 A | |
| **Stone Walls** | | 178d | | 24-Apr-14 A | 16-Oct-14 A | |
| **Seg. A** | | 154d | | 06-May-14 A | 16-Oct-14 A | |
| NHT1070 | S.W from Sta.0+980 to Sta.1+078 RHS,from Sta.1+083 to Sta.1+350 RHS & from Sta.0+980 to Sta.1+070 LHS -Segment A | 21d | 100% | 06-May-14 A | 12-May-14 A | |
| NHT1082-NEW | Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A | 21d | 100% | 06-May-14 A | 12-May-14 A | |
| NHT1083-NEW | Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A | 21d | 100% | 06-May-14 A | 12-May-14 A | |
| NHT1084-NEW | Stone Walls from Sta.3+500 to Sta.3+540 RHS and from Sta.3+360 to Sta.3+420 RHS | 21d | 100% | 03-Aug-14 A | 24-Sep-14 A | |
| NHT1086-NEW | Stone Wall from Sta.3+270 to Sta. 3+300 RHS-Segment A | 21d | 100% | 10-Sep-14 A | 15-Sep-14 A | |
| NHT1087-NEW | Stone Wall from Sta.1+200 to Sta. 1+250 LHS-Segment A | 21d | 100% | 10-Sep-14 A | 15-Sep-14 A | |
| NHT1088-NEW | Stone Wall From Sta.6+706 To Sta.6+730 RHS-Segment A | 21d | 100% | 29-Sep-14 A | 16-Oct-14 A | |
| **Seg.B& E** | | 145d | | 24-Apr-14 A | 28-Aug-14 A | |




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



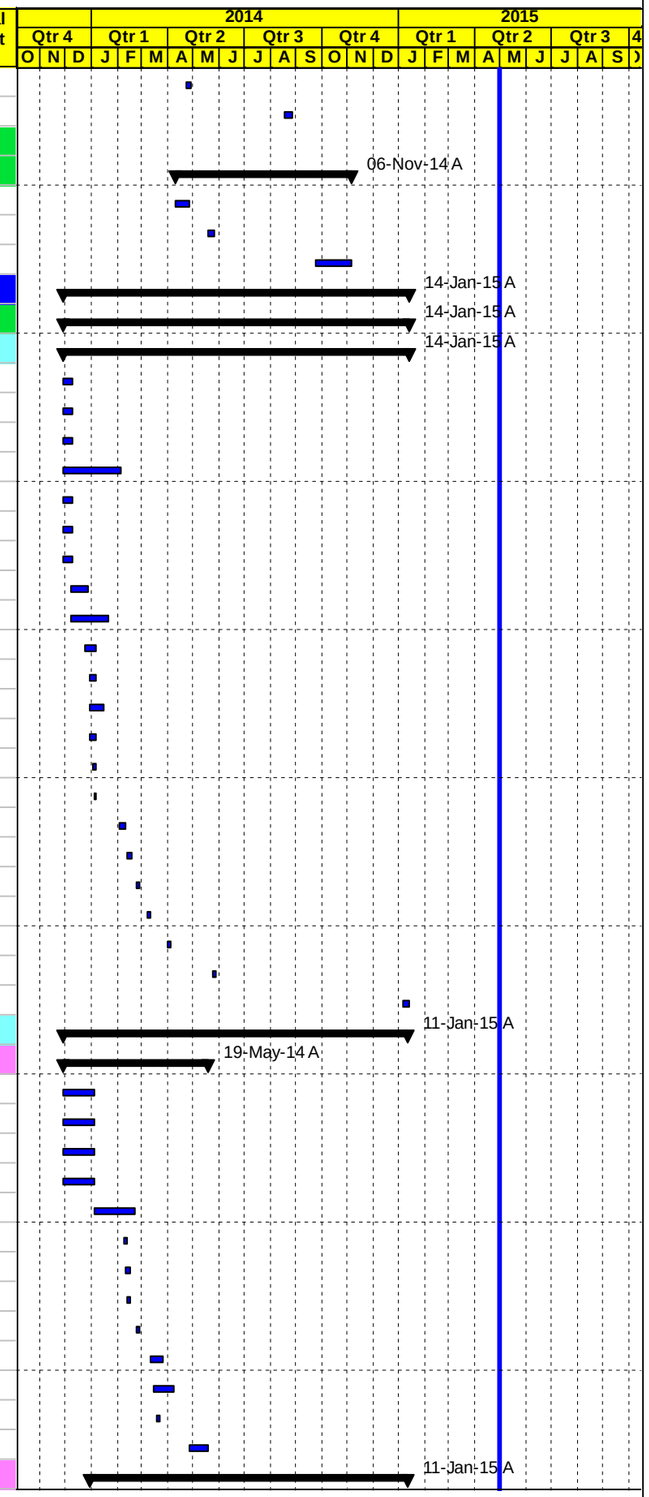
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT1081-NEW | Stone Walls_Segment B | 21d | 100% | 24-Apr-14 A | 29-Apr-14 A | |
| NHT1085-NEW | Stone Wall from Sta. 0+130 to Sta. 0+170 LHS-Segment E | 21d | 100% | 19-Aug-14 A | 28-Aug-14 A | |
| **Concrete curbstone and side walk** | | 0d | | | | 0d |
| **Others** | | 198d | | 10-Apr-14 A | 06-Nov-14 A | |
| NHT1150-new | 10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700 | 21d | 100% | 10-Apr-14 A | 28-Apr-14 A | |
| NHT1151-new | 12" pipeline Mitered Bends Schedule and fabrication for -Segment D | 21d | 100% | 19-May-14 A | 27-May-14 A | |
| NHT1130 | CONC.Ditch Plan From Sta.0+120 to Sta.0+480 & From Sta.3+320 to Sta.3+850 | 21d | 100% | 25-Sep-14 A | 06-Nov-14 A | |
| **Material Submittals** | | 375d | | 28-Nov-13 A | 14-Jan-15 A | |
| **Material Submittals including Manufacturers Qualifications , Shop Test, Product Data** | | 375d | | 28-Nov-13 A | 14-Jan-15 A | |
| **Material Submittals Roads** | | 336d | | 28-Nov-13 A | 14-Jan-15 A | |
| NHT1420-new | Asphalt Mix Design -Wearing Asphalt 3/4 inch | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1260 | Prime Coat | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1270 | Tack Coat | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1280 | Bituminous Binder Course-Mix Design | 21d | 100% | 28-Nov-13 A | 04-Feb-14 A | |
| NHT1290 | Bituminous Wearing Course-Mix Design | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1370 | Thermoplastic paint | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1360 | Cat eyes | 21d | 100% | 28-Nov-13 A | 09-Dec-13 A | |
| NHT1230 | Base Course Source | 21d | 100% | 08-Dec-13 A | 28-Dec-13 A | |
| NHT1180 | Concrete Mix Design including cement type | 21d | 100% | 08-Dec-13 A | 22-Jan-14 A | |
| NHT1400 | Curbstone paint material | 21d | 100% | 25-Dec-13 A | 06-Jan-14 A | |
| NHT1250 | Curbstone | 21d | 100% | 30-Dec-13 A | 06-Jan-14 A | |
| NHT1240 | Concrete Pipes | 21d | 100% | 30-Dec-13 A | 15-Jan-14 A | |
| NHT1380 | Guard Rail | 21d | 100% | 30-Dec-13 A | 06-Jan-14 A | |
| NHT1350 | Galvanized steel Handrail | 21d | 100% | 02-Jan-14 A | 06-Jan-14 A | |
| NHT1390 | Traffic sign | 21d | 100% | 05-Jan-14 A | 06-Jan-14 A | |
| NHT1200 | Steel Reinforcement | 21d | 100% | 03-Feb-14 A | 11-Feb-14 A | |
| NHT1310 | Concrete Repair | 21d | 100% | 12-Feb-14 A | 18-Feb-14 A | |
| NHT1190 | Formwork material | 21d | 100% | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1210 | Precast Concrete Manholes and catch basin | 21d | 100% | 09-Mar-14 A | 12-Mar-14 A | |
| NHT1411-new | Concrete curing compound material | 21d | 100% | 01-Apr-14 A | 06-Apr-14 A | |
| NHT1412-new | Joint sealant material | 21d | 100% | 25-May-14 A | 28-May-14 A | |
| NHT1413-new | Pre cast concrete Curbstone | 21d | 100% | 06-Jan-15 A | 14-Jan-15 A | |
| **Material Submittals Pipelines including Hydraulic calculation and wiring diagrams, labeling schedule** | | 375d | | 28-Nov-13 A | 11-Jan-15 A | |
| **Pipes** | | 149d | | 28-Nov-13 A | 19-May-14 A | |
| NHT1420 | Steel pipeline 300 mm | 21d | 100% | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1430 | Steel pipeline 200 mm | 21d | 100% | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1440 | Steel pipeline 150 mm | 21d | 100% | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1450 | Steel pipeline 100 mm | 21d | 100% | 28-Nov-13 A | 05-Jan-14 A | |
| NHT1500 | Shrinkable sheet | 21d | 100% | 05-Jan-14 A | 22-Feb-14 A | |
| NHT1512-NEW | Mill Certificate and testing reports for 8 inch steel pipe | 21d | 100% | 09-Feb-14 A | 13-Feb-14 A | |
| NHT1480 | Bedding material | 21d | 100% | 11-Feb-14 A | 16-Feb-14 A | |
| NHT1490 | Backfilling material (Single size) | 21d | 100% | 12-Feb-14 A | 16-Feb-14 A | |
| NHT1510 | Warning tape | 21d | 100% | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1511-NEW | Finish paint for exposed pipes/fittings and pipes/fittings inside chambers | 21d | 100% | 13-Mar-14 A | 27-Mar-14 A | |
| NHT1460 | Steel pipeline 75 mm | 21d | 100% | 16-Mar-14 A | 08-Apr-14 A | |
| NHT1470 | Galvanized Steel pipeline 0.5", 0.75",1",1.5",2" | 21d | 100% | 19-Mar-14 A | 24-Mar-14 A | |
| NHT1471-NEW | Pipe Expansion Joint | 21d | 100% | 27-Apr-14 A | 19-May-14 A | |
| **Fittings** | | 340d | | 29-Dec-13 A | 11-Jan-15 A | |




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



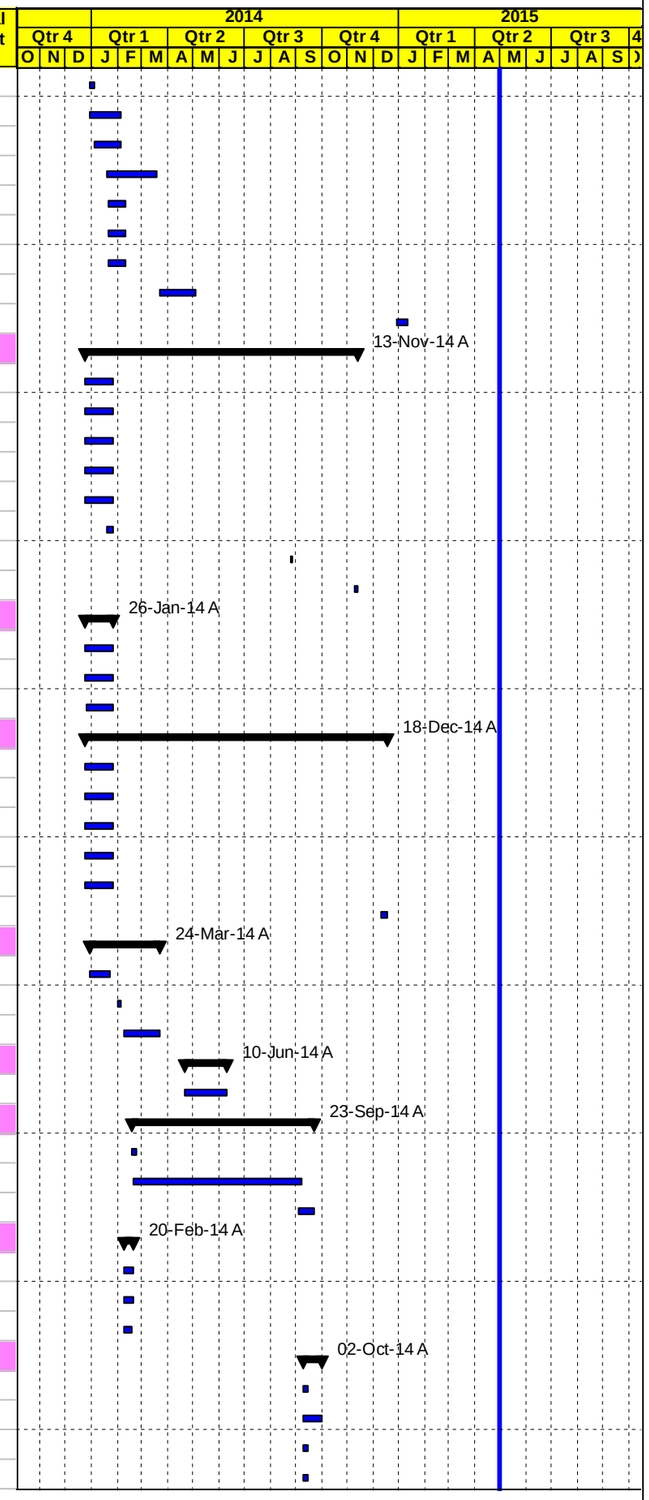
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT1580 | Mechanical coupling | 21d | 100% | 29-Dec-13 A | 05-Jan-14 A | |
| NHT1590 | Dismantling Joint | 21d | 100% | 29-Dec-13 A | 05-Feb-14 A | |
| NHT1550 | Flanges | 21d | 100% | 05-Jan-14 A | 04-Feb-14 A | |
| NHT1560 | Gaskets | 21d | 100% | 20-Jan-14 A | 20-Mar-14 A | |
| NHT1520 | Steel Elbows | 21d | 100% | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1530 | Steel Tees | 21d | 100% | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1540 | Steel reducers | 21d | 100% | 21-Jan-14 A | 10-Feb-14 A | |
| NHT1570 | Bolts ,washers & nuts | 21d | 100% | 24-Mar-14 A | 05-May-14 A | |
| NHT1789-new | Flanged coupling adaptor | 21d | 100% | 29-Dec-14 A | 11-Jan-15 A | |
| **Gate Valves** | | 279d | | 25-Dec-13 A | 13-Nov-14 A | |
| NHT1600 | Gate valves16 , 200mm | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1610 | Gate valves PN16,150 | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1620 | Gate valves 100. | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1630 | Gate valves 75. | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1650 | Manual Actuator for gate valves | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1640 | Gate valves 50 | 21d | 100% | 20-Jan-14 A | 26-Jan-14 A | |
| NHT1780-NEW | Ball Valve-Tyco F120 for Pressure Gauge | 21d | 100% | 26-Aug-14 A | 27-Aug-14 A | |
| NHT1785-NEW | Strainer Ball Valve | 21d | 100% | 09-Nov-14 A | 13-Nov-14 A | |
| **Butterfly valves** | | 21d | | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1660 | Butterfly valves PN40,300 mm | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1670 | Butterfly valves PN40,250 mm | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1680 | Butterfly valves PN25,250 mm | 21d | 100% | 26-Dec-13 A | 26-Jan-14 A | |
| **Washout valve** | | 310d | | 25-Dec-13 A | 18-Dec-14 A | |
| NHT1690 | Washout gate valve PN40DN250 | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1700 | Washout gate valve PN40DN200 | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1710 | Washout gate valve PN25DN150 | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1720 | PN 16 bar, DN 75 mm washout Gate Valve on DN 150 mm and on DN 100 mm pipelines | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1730 | PN 16 bar, DN 50 mm washout gate valve on DN 75 and DN 50 mm pipelines | 21d | 100% | 25-Dec-13 A | 26-Jan-14 A | |
| NHT1790-new | Washout Flap Valve | 21d | 100% | 11-Dec-14 A | 18-Dec-14 A | |
| **Air relief valves and Pressure reducing valve** | | 29d | | 29-Dec-13 A | 24-Mar-14 A | |
| NHT1740 | Combination Air relief valves ,PN40,DN100-/PN25,DN80-/PN25,DN50 | 21d | 100% | 29-Dec-13 A | 23-Jan-14 A | |
| NHT1750 | Air relief valves | 21d | 100% | 02-Feb-14 A | 04-Feb-14 A | |
| NHT1760 | Pressure reducing valves PN40 DN150 | 21d | 100% | 09-Feb-14 A | 24-Mar-14 A | |
| **Water meters** | | 21d | | 22-Apr-14 A | 10-Jun-14 A | |
| NHT1770 | Electro-Magnetic water meter | 21d | 100% | 22-Apr-14 A | 10-Jun-14 A | |
| **Manholes and chambers** | | 184d | | 18-Feb-14 A | 23-Sep-14 A | |
| NHT1820 | Manhole Cover and Frame. | 21d | 100% | 18-Feb-14 A | 24-Feb-14 A | |
| NHT1825-new | Precast Water Manhole | 21d | 100% | 20-Feb-14 A | 07-Sep-14 A | |
| NHT1830-new | Pre-cast hand hole manhole for 2" gate valve | 21d | 100% | 04-Sep-14 A | 23-Sep-14 A | |
| **Control Valves** | | 70d | | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1880 | Remote Control Monitoring Flow water meterPN40,DN300 | 21d | 100% | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1890 | Remote Control Monitoring Flow water meter PN40,DN250 | 21d | 100% | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1870 | Flow control valves | 21d | 100% | 09-Feb-14 A | 17-Feb-14 A | |
| **House Connection** | | 21d | | 09-Sep-14 A | 02-Oct-14 A | |
| NHT1910-New | House Connection Check Valve | 21d | 100% | 09-Sep-14 A | 16-Sep-14 A | |
| NHT1782-new | House Connection- Pressure Reducing Valve | 21d | 100% | 10-Sep-14 A | 02-Oct-14 A | |
| NHT1990-new | House Connection Strainer | 21d | 100% | 10-Sep-14 A | 16-Sep-14 A | |
| NHT1995-new | House Connection Ball Valve | 21d | 100% | 10-Sep-14 A | 16-Sep-14 A | |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO ArCon CONSTRUCTION AND SERVICES

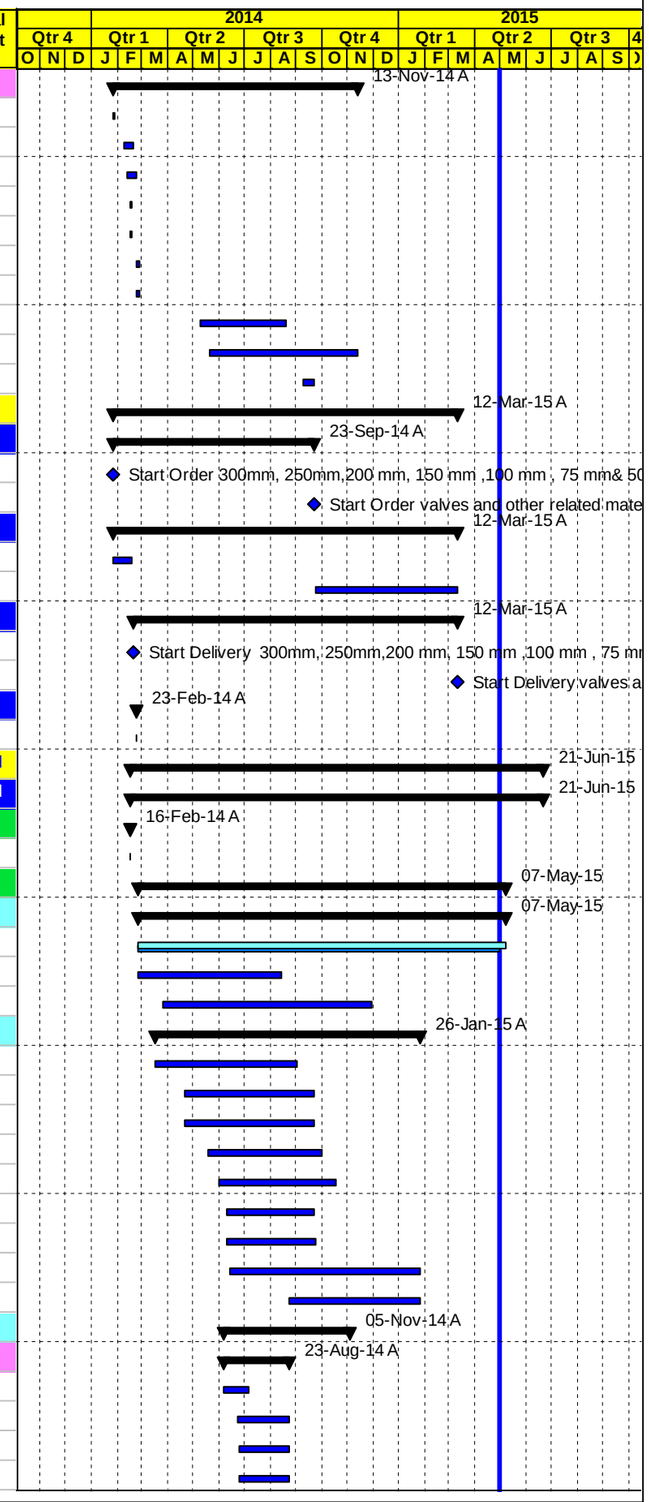
# Construction Program

## Completed & In Progress Activities

# TO.15

## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| **Others** | | 248d | | 27-Jan-14 A | 13-Nov-14 A | |
| NHT1900 | Strainers. | 21d | 100% | 27-Jan-14 A | 29-Jan-14 A | |
| NHT1980 | Earthing grounding system | 21d | 100% | 09-Feb-14 A | 20-Feb-14 A | |
| NHT1991-NEW | Repairing and application of interior steel pipes cement lining | 21d | 100% | 12-Feb-14 A | 24-Feb-14 A | |
| NHT1992-NEW | Bitumen protective coating for underground concrete | 21d | 100% | 16-Feb-14 A | 18-Feb-14 A | |
| NHT1993-NEW | Form release agent | 21d | 100% | 16-Feb-14 A | 18-Feb-14 A | |
| NHT1920 | Spacers | 21d | 100% | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1930 | Tie rods | 21d | 100% | 23-Feb-14 A | 27-Feb-14 A | |
| NHT1950 | Pressure gauge with needle valve | 21d | 100% | 11-May-14 A | 21-Aug-14 A | |
| NHT2000-NEW | Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays- -Segment D | 21d | 100% | 21-May-14 A | 13-Nov-14 A | |
| NHT2030-NEW | Concrete repairing material up to 3mm thickness and method statement | 21d | 100% | 10-Sep-14 A | 23-Sep-14 A | |
| **Procurements** | | 373d | | 27-Jan-14 A | 12-Mar-15 A | |
| **Order** | | 222d | | 27-Jan-14 A | 23-Sep-14 A | |
| NHT2000 | Start Order 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 0d | 100% | 27-Jan-14 A | | |
| NHT2010 | Start Order valves and other related materials | 0d | 100% | 23-Sep-14 A | | |
| **Manufacturing** | | 289d | | 27-Jan-14 A | 12-Mar-15 A | |
| NHT2030 | 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 28d | 100% | 27-Jan-14 A | 18-Feb-14 A | |
| NHT2040 | Valves and other related materials | 89d | 100% | 24-Sep-14 A | 12-Mar-15 A | |
| **Delivery** | | 305d | | 19-Feb-14 A | 12-Mar-15 A | |
| NHT2060 | Start Delivery 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 0d | 100% | 19-Feb-14 A | | |
| NHT2070 | Start Delivery valves and other related materials | 0d | 100% | 12-Mar-15 A | | |
| **Testing** | | 2d | | 23-Feb-14 A | 23-Feb-14 A | |
| NHT2090 | 300mm, 250mm,200 mm, 150 mm ,100 mm , 75 mm& 50mm pipes and fittings | 2d | 100% | 23-Feb-14 A | 23-Feb-14 A | |
| **Construction Work** | | 500d | | 16-Feb-14 A | 21-Jun-15 | -23d |
| **Phase One Seg A from Sta.A0+000 to Sta.A8+203** | | 472d | | 16-Feb-14 A | 21-Jun-15 | -23d |
| **Implementation traffic control and safety plan** | | 1d | | 16-Feb-14 A | 16-Feb-14 A | |
| NHT2505 | Start Implementation traffic control and safety plan | 1d | 100% | 16-Feb-14 A | 16-Feb-14 A | |
| **SEG.A From Sta.A0+000 to Sta.A1+440** | | 407d | | 26-Feb-14 A | 07-May-15 | -5d |
| **Safety and Excavation** | | 145d | | 26-Feb-14 A | 07-May-15 | -5d |
| NHT2510 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 145d | 90% | 26-Feb-14 A | 07-May-15 | -5d |
| NHT2520 | Excavation (Cut/ Fill) From Sta. A0+100 To A0+720 | 28d | 100% | 26-Feb-14 A | 14-Aug-14 A | |
| NHT2540 | Excavation (Cut/ Fill) From Sta. A0+720 To A1+440 | 27d | 100% | 26-Mar-14 A | 30-Nov-14 A | |
| **Retaining wall and Box Culvert** | | 286d | | 17-Mar-14 A | 26-Jan-15 A | |
| NHT2560 | Construct R.Concrete Retaining wall from Sta. A0+125 to A0+205 RHS | 31d | 100% | 17-Mar-14 A | 02-Sep-14 A | |
| NHT2580 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+479 to A0+574 LHS | 32d | 100% | 22-Apr-14 A | 23-Sep-14 A | |
| NHT2590 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+614 to A0+884LHS | 31d | 100% | 22-Apr-14 A | 23-Sep-14 A | |
| NHT2650 | Construct box culvert @Sta. A0+590.5 & R.W from Sta.0+570 to Sta.0+595 RHS& R.W from Sta.0+574.1 to Sta.0+614.0 LH | 30d | 100% | 19-May-14 A | 01-Oct-14 A | |
| NHT2660 | Construct box culvert @Sta. A0+951.6 & R.W from Sta.0+930 to Sta.0+980 RHS& R.W from Sta.0+930 to Sta.0+980 LHS | 30d | 100% | 02-Jun-14 A | 19-Oct-14 A | |
| NHT2770 | Construct gravity Wall 0+790 to 0+827 LHS | 20d | 100% | 10-Jun-14 A | 23-Sep-14 A | |
| NHT2900 | Construct R.Concrete Backing wall (One Side Shutter Wall ) from Sta. A0+827 to A0+930LHS | 30d | 100% | 10-Jun-14 A | 24-Sep-14 A | |
| NHT2670 | Construct Pipe culvert @Sta. A1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS&A1+383 - A1+435 | 30d | 100% | 15-Jun-14 A | 26-Jan-15 A | |
| NHT2910 | Concrete Step Barrier | 30d | 100% | 24-Aug-14 A | 26-Jan-15 A | |
| **Pipe Installation** | | 205d | | 07-Jun-14 A | 05-Nov-14 A | |
| **300 mm main pipeline** | | 205d | | 07-Jun-14 A | 23-Aug-14 A | |
| NHT2770-new | Digging | 10d | 100% | 07-Jun-14 A | 06-Jul-14 A | |
| NHT2690 | Trench excavation for 300mm main pipeline from Sta. A0+100 to sta. A1+080 length approx. (980 LM) | 21d | 100% | 24-Jun-14 A | 23-Aug-14 A | |
| NHT2700 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (980 LM) | 21d | 100% | 25-Jun-14 A | 23-Aug-14 A | |
| NHT2710 | Backfill the pipe trench with (single size aggregate) to the required level (980 LM) | 21d | 100% | 25-Jun-14 A | 23-Aug-14 A | |




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



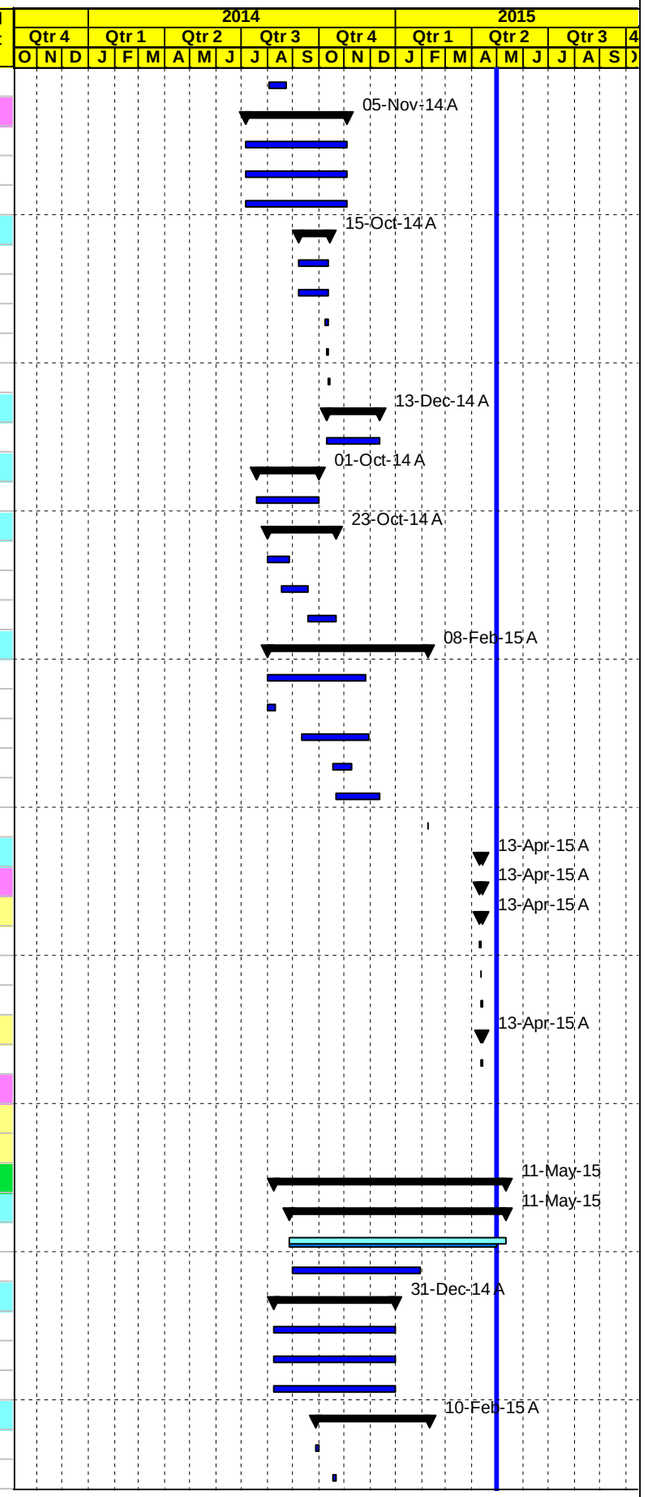
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT2695 | Concrete Encasement on water pipeline 12" from St 0+543-1+007 | 15d | 100% | 03-Aug-14 A | 23-Aug-14 A | |
| **300 mm main pipeline with 75 mm dist. Pipe** | | 5d | | 06-Jul-14 A | 05-Nov-14 A | |
| NHT2680 | Trench excavation for 300mm main pipeline with 75 mm dist. Pipe from sta. A1+080 TO A1+430 length approx. (350 LM)) | 4d | 100% | 06-Jul-14 A | 05-Nov-14 A | |
| NHT2682 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (350 LM) | 4d | 100% | 07-Jul-14 A | 05-Nov-14 A | |
| NHT2685 | Backfill the pipe trench with (single size aggregate) to the required level (350 LM) | 4d | 100% | 07-Jul-14 A | 05-Nov-14 A | |
| **Civil Chamber work for transmission pipeline** | | 47d | | 07-Sep-14 A | 15-Oct-14 A | |
| NHT2750-new | Construct - Combined chamber BFV(300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300 mm)@ S | 12d | 100% | 07-Sep-14 A | 13-Oct-14 A | |
| NHT2750 | Construct -300 mm Flow monitoring chamber(300mm, PN40, pipeline Dia. 300 mm) @ Sta.A0+720 | 13d | 100% | 08-Sep-14 A | 13-Oct-14 A | |
| NHT2740 | Construct - Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 15d | 100% | 09-Oct-14 A | 13-Oct-14 A | |
| NHT2720 | Construct - Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 15d | 100% | 11-Oct-14 A | 13-Oct-14 A | |
| NHT2730 | Construct - Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 15d | 100% | 13-Oct-14 A | 15-Oct-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 10d | | 11-Oct-14 A | 13-Dec-14 A | |
| NHT2720-new | Construct - Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 10d | 100% | 11-Oct-14 A | 13-Dec-14 A | |
| **Testing** | | 1d | | 20-Jul-14 A | 01-Oct-14 A | |
| NHT2755 | Radiographic Testing (RT) | 1d | 100% | 20-Jul-14 A | 01-Oct-14 A | |
| **Base course and Asphalt From Sta. A0+100 To A0+720** | | 74d | | 02-Aug-14 A | 23-Oct-14 A | |
| NHT2780 | 20 cm thick for first base course layer | 17d | 100% | 02-Aug-14 A | 28-Aug-14 A | |
| NHT2790 | 20 cm thick for second base course layer | 17d | 100% | 19-Aug-14 A | 18-Sep-14 A | |
| NHT2800 | 7cm Asphalt wearing course including prime coat | 3d | 100% | 18-Sep-14 A | 23-Oct-14 A | |
| **Base course and Asphalt From Sta. A0+720 To A1+440** | | 135d | | 02-Aug-14 A | 08-Feb-15 A | |
| NHT2802 | 20 cm thick for first base course layer | 17d | 100% | 02-Aug-14 A | 27-Nov-14 A | |
| NHT2819-new | Install double pipes (6" UPVC) road crossings at sta. A1+080, sta. A1+180 and at sta. 1+370 & Concrete hand hole | 5d | 100% | 02-Aug-14 A | 11-Aug-14 A | |
| NHT2805 | 20 cm thick for second base course layer | 17d | 100% | 11-Sep-14 A | 30-Nov-14 A | |
| NHT2812 | Topping Layer From Sta. A1+330 To Sta. A1+440 | 5d | 100% | 18-Oct-14 A | 10-Nov-14 A | |
| NHT2809 | 7cm Asphalt wearing course including prime coat | 3d | 100% | 23-Oct-14 A | 13-Dec-14 A | |
| NHT2819 | 7cm Asphalt wearing course including prime coat from St. 1+400 to St. 1+470 (intersection) | 2d | 100% | 08-Feb-15 A | 08-Feb-15 A | |
| **Mechanical Chambers work** | | 6d | | 11-Apr-15 A | 13-Apr-15 A | |
| **Welding flanges** | | 5d | | 11-Apr-15 A | 13-Apr-15 A | |
| **Transmission pipeline** | | 5d | | 11-Apr-15 A | 13-Apr-15 A | |
| NHT1000-MEC | Welding flanges for Wash out Valve chamber(DN250mm, PN40, pipeline Dia 300 mm) @ Sta.A0+710 | 1d | 100% | 11-Apr-15 A | 11-Apr-15 A | |
| NHT1020-MEC | Welding flanges for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A0+930 | 1d | 100% | 12-Apr-15 A | 12-Apr-15 A | |
| NHT1040-MEC | Welding flanges for Wash out Valve chamber(250mm, PN40, pipeline Dia. 300 mm) @ A1+340 | 1d | 100% | 13-Apr-15 A | 13-Apr-15 A | |
| **Distribution pipeline** | | 1d | | 13-Apr-15 A | 13-Apr-15 A | |
| NHT1050-MEC | Welding flanges for Wash out Valve chamber(50mm, PN16, pipeline Dia. 75 mm) @ A1+340 | 1d | 100% | 13-Apr-15 A | 13-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **SEG.A From Sta.A1+440- A2+260** | | 233d | | 09-Aug-14 A | 11-May-15 | 18d |
| **Safety and Excavation** | | 58d | | 28-Aug-14 A | 11-May-15 | -15d |
| NHT2810 | Maintain traffic control and safety plan with coordination | 58d | 90% | 28-Aug-14 A | 11-May-15 | -15d |
| NHT2820 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 31-Aug-14 A | 31-Jan-15 A | |
| **Pipe Installation 75 mm dist. pipe** | | 10d | | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2830 | Trench excavation for 75 mm dist. Pipe from A1+440 to sta. A2+260 length approx. (820 LM) | 10d | 100% | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2840 | Bedding (crushed stone) and install distribution Steel pipes with welding inspection(820 LM) | 10d | 100% | 09-Aug-14 A | 31-Dec-14 A | |
| NHT2850 | Backfill the pipe trench with (single size aggregate) to the required level (820 LM) | 10d | 100% | 09-Aug-14 A | 31-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 104d | | 29-Sep-14 A | 10-Feb-15 A | |
| NHT2870-new | Construct - Combined chamber Gate Valve(75mm, PN16, pipeline Dia.75 mm)&ARV 50mm, PN16, pipeline Dia.75mm)@ A1 | 9d | 100% | 29-Sep-14 A | 02-Oct-14 A | |
| NHT2860 | Construct - Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 8d | 100% | 19-Oct-14 A | 23-Oct-14 A | |




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



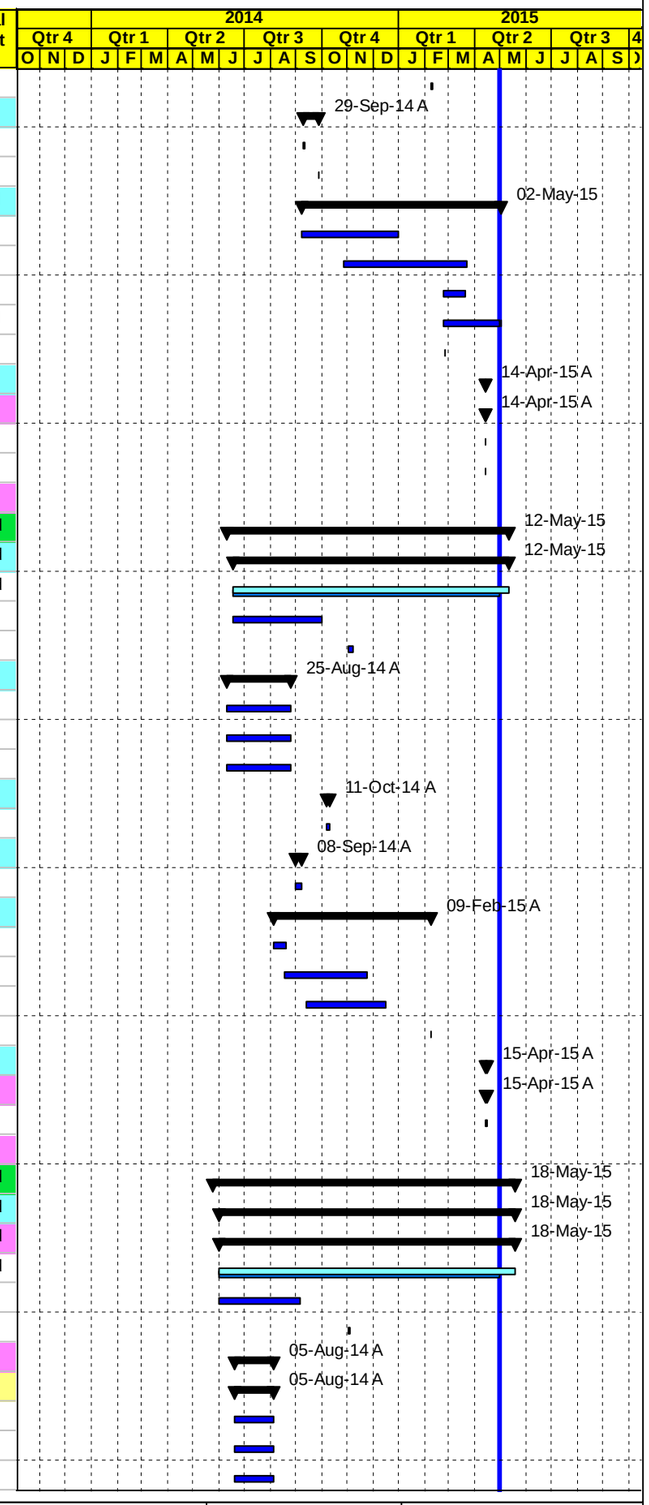
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT2870 | Construct - Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 8d | 100% | 08-Feb-15 A | 10-Feb-15 A | |
| **Testing** | | 54d | | 09-Sep-14 A | 29-Sep-14 A | |
| NHT2880 | Pressure Testing | 2d | 100% | 09-Sep-14 A | 11-Sep-14 A | |
| NHT2873 | Radiographic Testing (RT) | 1d | 100% | 29-Sep-14 A | 29-Sep-14 A | |
| **Base course and Asphalt** | | 103d | | 08-Sep-14 A | 02-May-15 | 24d |
| NHT2890 | 20 cm thick for base course layer | 16d | 100% | 08-Sep-14 A | 31-Dec-14 A | |
| NHT2930 | 5 cm asphalt wearing course including prime coat | 3d | 100% | 28-Oct-14 A | 23-Mar-15 A | |
| NHT2920 | 20 cm thick for base course layer from St. A1+820-1+940 & From St. A1+980-2+020 | 5d | 100% | 23-Feb-15 A | 22-Mar-15 A | |
| NHT2970-new | Concrete Pavement from St. 1+940 to 1+980 | 10d | 90% | 24-Feb-15 A | 02-May-15 | 24d |
| NHT2960 | 5 cm asphalt wearing course including prime coat from St.1+820-1+940, St. 1+980-2+020 | 2d | 100% | 25-Feb-15 A | 25-Feb-15 A | |
| **Mechanical Chambers work** | | 3d | | 14-Apr-15 A | 14-Apr-15 A | |
| **Welding flanges** | | 3d | | 14-Apr-15 A | 14-Apr-15 A | |
| NHT1120-MECH | Welding flanges for Gate Valve chamber(75mm, PN16,pipeline Dia. 75mm)@ Sta. A1+700 | 1d | 100% | 14-Apr-15 A | 14-Apr-15 A | |
| NHT1140-MECH | Welding flanges for Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A1+940 | 1d | 100% | 14-Apr-15 A | 14-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **SEG.A From Sta A2+260.to Sta. A3+320** | | 305d | | 11-Jun-14 A | 12-May-15 | -17d |
| **Safety, Excavation** | | 197d | | 17-Jun-14 A | 12-May-15 | -15d |
| NHT2940 | Maintain traffic control and safety plan with coordination | 118d | 90% | 17-Jun-14 A | 12-May-15 | -15d |
| NHT2950 | Excavation for reconstruction road including subgrade and backfilling if required | 14d | 100% | 18-Jun-14 A | 02-Oct-14 A | |
| NHT3600 | Walls of existing Pipe Culvert at Sta.3+281.3 | 8d | 100% | 03-Nov-14 A | 07-Nov-14 A | |
| **Pipe Installation 50 mm dist. Pipe** | | 12d | | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2985 | Trench excavation for 50 mm dist. Pipe from A2+260 to sta. A3+320 length approx. (1060 LM) | 12d | 100% | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2987 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection 1060 LM) | 12d | 100% | 11-Jun-14 A | 25-Aug-14 A | |
| NHT2999 | Backfill the pipe trench with (single size aggregate) to the required level (1060 LM) | 12d | 100% | 11-Jun-14 A | 25-Aug-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 7d | | 08-Oct-14 A | 11-Oct-14 A | |
| NHT2999-new | Construct -Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 7d | 100% | 08-Oct-14 A | 11-Oct-14 A | |
| **Testing** | | 2d | | 01-Sep-14 A | 08-Sep-14 A | |
| NHT3040 | Pressure Testing | 2d | 100% | 01-Sep-14 A | 08-Sep-14 A | |
| **Base course and Asphalt** | | 138d | | 05-Aug-14 A | 09-Feb-15 A | |
| NHT3240 | Topping from sta. 2+440 to sta. 3+100 & From Sta. A3+170 To Sta. A3+240 | 12d | 100% | 05-Aug-14 A | 20-Aug-14 A | |
| NHT3050 | 20 cm thick for base course layer | 9d | 100% | 19-Aug-14 A | 24-Nov-14 A | |
| NHT3055 | 5 cm asphalt wearing course including prime coat | 2d | 100% | 13-Sep-14 A | 16-Dec-14 A | |
| NHT5275 | 5 cm asphalt wearing course including prime coat from St. 2+240-2+280 | 2d | 100% | 09-Feb-15 A | 09-Feb-15 A | |
| **Mechanical Chambers work** | | 1d | | 15-Apr-15 A | 15-Apr-15 A | |
| **Welding flanges** | | 1d | | 15-Apr-15 A | 15-Apr-15 A | |
| NHT1180-MECH | Welding flanges for Combined Gate Valve chamber(75mm, PN16, pipeline Dia. 75 mm) @Sta. A2+265 | 1d | 100% | 15-Apr-15 A | 15-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **SEG.A From Sta.A3+320 to Sta.A5+800** | | 326d | | 25-May-14 A | 18-May-15 | -16d |
| **SEG.A From Sta.A3+320 to Sta.A3+850** | | 248d | | 01-Jun-14 A | 18-May-15 | -16d |
| **Safety, Excavation, Culvert , concrete channel and Basecourse** | | 200d | | 01-Jun-14 A | 18-May-15 | -14d |
| NHT3580 | Maintain traffic control and safety plan, Coordination for Relocation Utilities and others | 70d | 90% | 01-Jun-14 A | 18-May-15 | -14d |
| NHT3590 | Saw Cut to Edge of Existing Asphalt, Excavation for road widening and slope cut | 20d | 100% | 02-Jun-14 A | 06-Sep-14 A | |
| NHT3610-new | Extension of existing pipe culvert @ St. 3+540 | 5d | 100% | 03-Nov-14 A | 04-Nov-14 A | |
| **Pipe Installation** | | 10d | | 21-Jun-14 A | 05-Aug-14 A | |
| **Pipe Installation for 250 mm main pipeline & 50 mm pipeline from A3+320 to sta.A3+546** | | 10d | | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3620 | Trench excavation for 250 mm main pipeline & 50 mm from A3+320 to sta.A3+546 with length approx. (226LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3630 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (226LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3640 | Backfill the pipe trench with (single size aggregate) to the required level (226LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |




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

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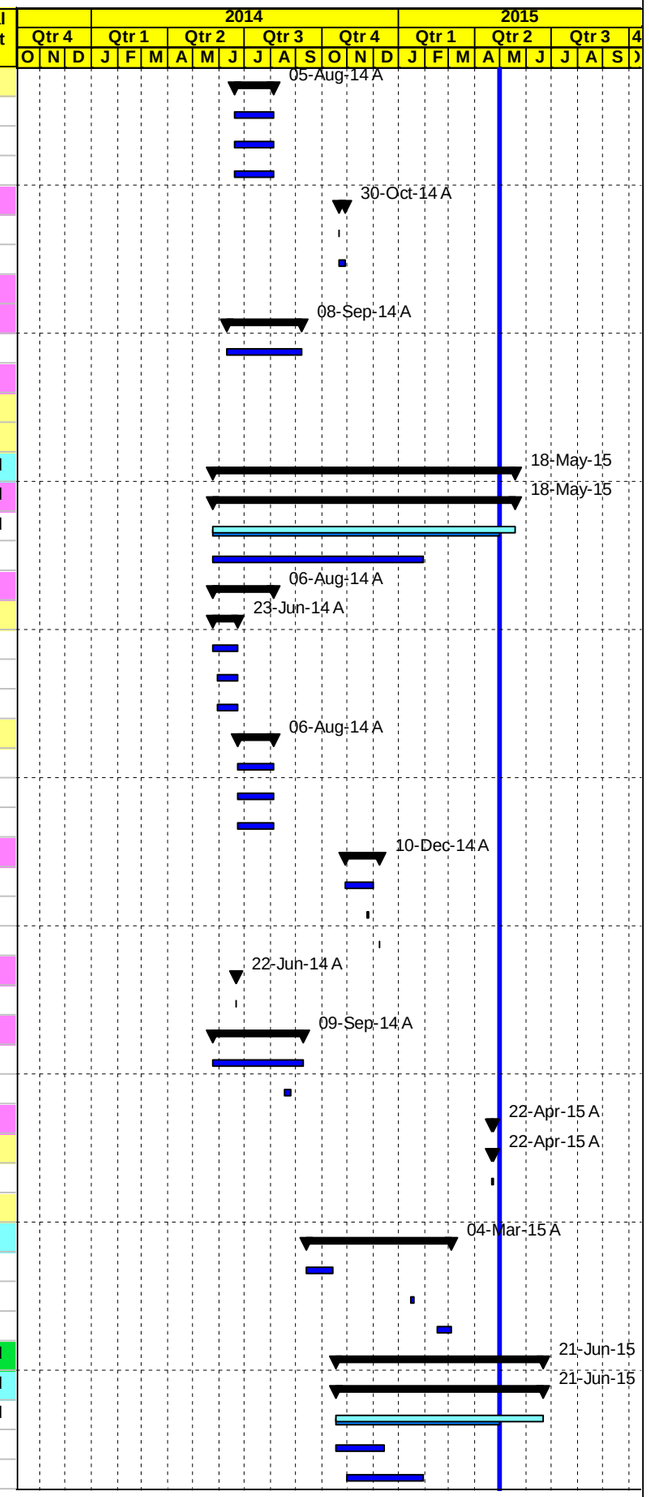
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| **Pipe Installation for 250 mm main pipeline from A3+546 to sta.A3+850** | | 10d | | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3645-new | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (304LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3649-new | Backfill the pipe trench with (single size aggregate) to the required level (304LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |
| NHT3640-new | Trench excavation for 250 mm main pipeline from A3+5460 to sta.A3+850 with length approx. (304LM) | 10d | 100% | 21-Jun-14 A | 05-Aug-14 A | |
| **Chamber work for transmission pipeline** | | 47d | | 23-Oct-14 A | 30-Oct-14 A | |
| NHT3650 | Construct - Wash out Valve chamber(200mm, PN40, pipeline Dia. 250 mm) @St.A3+580 | 15d | 100% | 23-Oct-14 A | 23-Oct-14 A | |
| NHT3660 | Construct - Combined BFV and Wash out chamber(250,200mm- PN40, pipeline Dia.250 mm) @St.A3+840 | 12d | 100% | 23-Oct-14 A | 30-Oct-14 A | |
| **Testing** | | 0d | | | | 0d |
| **Base course and Stone Wall** | | 21d | | 10-Jun-14 A | 08-Sep-14 A | |
| NHT3685 | Subgrad and install first and second layer of 20 cm base course for widening the road | 21d | 100% | 10-Jun-14 A | 08-Sep-14 A | |
| **Mechanical Chambers work** | | 0d | | | | 0d |
| **Welding flanges** | | 0d | | | | 0d |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **SEG.A From Sta.A3+850 to Sta.A5+800** | | 326d | | 25-May-14 A | 18-May-15 | -17d |
| **Safety, Excavation and Concrete Works** | | 84d | | 25-May-14 A | 18-May-15 | -15d |
| NHT3710 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 84d | 90% | 25-May-14 A | 18-May-15 | -15d |
| NHT3715 | Saw Cut to Edge of Existing Asphalt and Excavation | 18d | 100% | 26-May-14 A | 31-Jan-15 A | |
| **Pipe Installation** | | 53d | | 26-May-14 A | 06-Aug-14 A | |
| **250 mm main pipeline** | | 22d | | 26-May-14 A | 23-Jun-14 A | |
| NHT3730 | Trench excavation for 250 mm main pipeline from A3+850 to sta.A5+175 with length approx. (1325 LM) | 22d | 100% | 26-May-14 A | 23-Jun-14 A | |
| NHT3740 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (1325 LM) | 22d | 100% | 31-May-14 A | 23-Jun-14 A | |
| NHT3750 | Backfill the pipe trench with (single size aggregate) to the required level (1325 LM) | 22d | 100% | 31-May-14 A | 23-Jun-14 A | |
| **250 mm main pipeline with 50 mm dist. Pipe** | | 15d | | 23-Jun-14 A | 06-Aug-14 A | |
| NHT3760 | Trench excavation for 250mm main pipeline with 50 mm dist. Pipe from sta.A5+175 to A5+810 length approx. (635 LM) | 15d | 100% | 23-Jun-14 A | 06-Aug-14 A | |
| NHT3763 | Bedding (crushed stone) and install the above main and distribution Steel pipe with welding inspection (635 LM) | 15d | 100% | 24-Jun-14 A | 06-Aug-14 A | |
| NHT3766 | Backfill the pipe trench with (single size aggregate) to the required level (635 LM) | 15d | 100% | 24-Jun-14 A | 06-Aug-14 A | |
| **Civil Chamber work for transmission pipeline** | | 34d | | 29-Oct-14 A | 10-Dec-14 A | |
| NHT3810 | Construct - Flow monitoring chamber (250mm, PN40, pipeline Dia.250 mm) and GV & DN 50 mm Combination ARV @ St.A5 | 13d | 100% | 29-Oct-14 A | 02-Dec-14 A | |
| NHT3670 | Construct - ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 12d | 100% | 25-Nov-14 A | 26-Nov-14 A | |
| NHT3790 | Construct - Wash out Valve chamber (200mm, PN40, pipeline Dia.250 mm) @ A5+477 | 18d | 100% | 09-Dec-14 A | 10-Dec-14 A | |
| **Testing** | | 1d | | 22-Jun-14 A | 22-Jun-14 A | |
| NHT3815 | Radiographic Testing (RT) | 1d | 100% | 22-Jun-14 A | 22-Jun-14 A | |
| **Base course** | | 70d | | 26-May-14 A | 09-Sep-14 A | |
| NHT3830 | Subgrad and install first and second layer of 20 cm base course for widening the road | 21d | 100% | 26-May-14 A | 09-Sep-14 A | |
| NHT3980-new | Install double pipes (4" UPVC) for future services from sta. A5+390 to sta. A5+440. | 5d | 100% | 19-Aug-14 A | 25-Aug-14 A | |
| **Mechanical Chambers work** | | 1d | | 22-Apr-15 A | 22-Apr-15 A | |
| **Welding flanges** | | 1d | | 22-Apr-15 A | 22-Apr-15 A | |
| NHT1240-MEC | Welding flanges for ARV Valve chamber (100mm, PN40, pipeline Dia.250 mm)@ St.A4+806 | 1d | 100% | 22-Apr-15 A | 22-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **SEG.A From Sta.A3+320 to Sta.A5+800 RHS & LHS ( Asphalt -work )** | | 73d | | 14-Sep-14 A | 04-Mar-15 A | |
| NHT3850 | 5 cm Asphalt Binder layer for road widening including prime | 5d | 100% | 14-Sep-14 A | 14-Oct-14 A | |
| NHT3840 | Asphalt milling for the existing road | 4d | 100% | 15-Jan-15 A | 19-Jan-15 A | |
| NHT5465 | 5 cm Asphalt wearing layer for including tack coat from St. 3+320 -5+500 | 5d | 100% | 15-Feb-15 A | 04-Mar-15 A | |
| **SEG.A From Sta.A5+800 to Sta. 6+800** | | 206d | | 18-Oct-14 A | 21-Jun-15 | -33d |
| **Safety, Excavation, Pipe Culvert and storm system** | | 159d | | 18-Oct-14 A | 21-Jun-15 | -29d |
| NHT3860 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 89d | 50% | 18-Oct-14 A | 21-Jun-15 | -29d |
| NHT4180 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 6+200-6+800 | 14d | 100% | 19-Oct-14 A | 15-Dec-14 A | |
| NHT3870-new | Retaining Wall From Sta.6+505 to Sta.6+560 LHS& Sta.6+574to Sta.6+603 LHS- | 19d | 100% | 01-Nov-14 A | 31-Jan-15 A | |




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



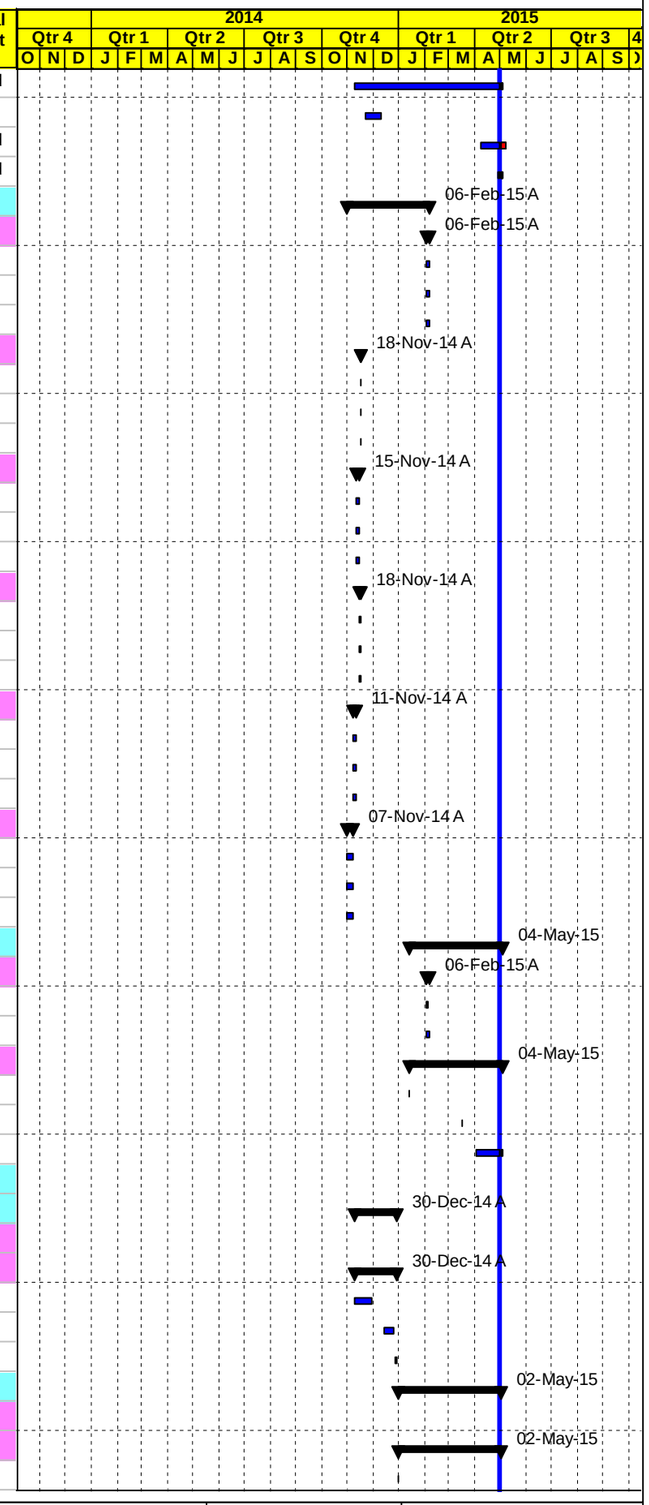
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT3890 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from Sta.6+200 to Sta.6+340 | 20d | 90% | 09-Nov-14 A | 04-May-15 | -24d |
| NHT4150 | Retaining Wall Sta. A6+762 to Sta. A6+805 L.H.S | 21d | 100% | 22-Nov-14 A | 11-Dec-14 A | |
| NHT3900 | Construct 600 &400 mm precast concrete pipe for storm sytem &catch basin from st. A5+800 to A6+040 | 13d | 60% | 08-Apr-15 A | 07-May-15 | -29d |
| NHT3880 | Construct -Dia.800 mm of precast pipe culvert @ Sta.A6+198 | 10d | 80% | 29-Apr-15 A | 03-May-15 | -10d |
| **Pipe Installation** | | 106d | | 01-Nov-14 A | 06-Feb-15 A | |
| **200 mm main pipeline with 100 and 50 mm dist. Pipe from A5+810 to sta.A5+900** | | 5d | | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5085 | Trench excavation for 200mm main pipeline with 100 mm dist. Pipe from A5+810 to sta.A5+900 length (90 LM) | 5d | 100% | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5095 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (90LM) | 5d | 100% | 02-Feb-15 A | 06-Feb-15 A | |
| NHT5105 | Backfill the pipe trench with (single size aggregate) to the required level (90LM) | 5d | 100% | 02-Feb-15 A | 06-Feb-15 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A5+900 to sta.A9+970** | | 5d | | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5365 | Trench excavation for 200mm main pipeline with 150 mm ,50 mm dist. Pipe from A5+900 to sta.A5+970 length (70 LM) | 5d | 100% | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5375 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (70 LM) | 5d | 100% | 18-Nov-14 A | 18-Nov-14 A | |
| NHT5385 | Backfill the pipe trench with (single size aggregate) to the required level (70 LM) | 5d | 100% | 18-Nov-14 A | 18-Nov-14 A | |
| **200mm main pipeline with 150 from A5+970 to sta.A6+220** | | 7d | | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5205 | Trench excavation for 200mm main pipeline with 150 from A5+970 to sta.A6+220 length (250 LM) | 7d | 100% | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5215 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (250 LM) | 7d | 100% | 11-Nov-14 A | 15-Nov-14 A | |
| NHT5225 | Backfill the pipe trench with (single size aggregate) to the required level (250LM) | 7d | 100% | 11-Nov-14 A | 15-Nov-14 A | |
| **50 mm dist. Pipe from A5+990to sta.A6+210 and access 6+200** | | 5d | | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5115 | Trench excavation for 50 mm . Pipe from A5+990 to sta.A6+210 length (220 LM) and access 6+200 | 5d | 100% | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5125 | Bedding (crushed stone) and install the above Steel pipes with welding inspection (220 LM) | 5d | 100% | 15-Nov-14 A | 18-Nov-14 A | |
| NHT5135 | Backfill the pipe trench with (single size aggregate) to the required level (220 LM) | 5d | 100% | 15-Nov-14 A | 18-Nov-14 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+220 to sta.A6+630** | | 9d | | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5145 | Trench excavation for 200mm main pipeline with 150 mm ,50 mm dist. Pipe from A6+220 to sta.A6+630 length (410 LM) | 9d | 100% | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5155 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (410 LM) | 9d | 100% | 07-Nov-14 A | 11-Nov-14 A | |
| NHT5165 | Backfill the pipe trench with (single size aggregate) to the required level (410 LM) | 9d | 100% | 07-Nov-14 A | 11-Nov-14 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A6+630 to sta.A6+800** | | 5d | | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4040 | Trench excavation for 200mm main pipeline with 150 mm, 50mm dist. Pipe from A6+630 to sta.A6+800 length (170 LM) | 5d | 100% | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4050 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (170 LM) | 5d | 100% | 01-Nov-14 A | 07-Nov-14 A | |
| NHT4060 | Backfill the pipe trench with (single size aggregate) to the required level | 5d | 100% | 01-Nov-14 A | 07-Nov-14 A | |
| **Civil Chamber work** | | 85d | | 13-Jan-15 A | 04-May-15 | 3d |
| **Civil Chamber work for transmission pipeline** | | 59d | | 03-Feb-15 A | 06-Feb-15 A | |
| NHT3990-new | Construct - Combined Gate Valve and W.O chamber (200, 150mm-PN25, pipeline Dia.200 mm) @ A6+200 | 21d | 100% | 03-Feb-15 A | 05-Feb-15 A | |
| NHT3995-new | Construct - ARV Valve chamber (80mm, PN25, pipeline Dia.200 mm) @ A6+000 | 21d | 100% | 03-Feb-15 A | 06-Feb-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 73d | | 13-Jan-15 A | 04-May-15 | 3d |
| NHT4110-new | Construct - Combined Wash out Valve chamber(75, 50mm, PN16, pipeline Dia.150,75 mm) @ A6+200 | 6d | 100% | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4000-new | Construct -Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @A5+900 | 8d | 100% | 17-Mar-15 A | 17-Mar-15 A | |
| NHT4100-new | Construct -Combined Gate Valve chamber(75,50mm, PN16, pipeline Dia.75,70 mm) @A5+990 | 8d | 70% | 04-Apr-15 A | 04-May-15 | 3d |
| **Testing** | | 0d | | | | 0d |
| **Base course** | | 104d | | 10-Nov-14 A | 30-Dec-14 A | |
| **from St. 5+800 6+240** | | 0d | | | | 0d |
| **from St. 6+240 6+800** | | 73d | | 10-Nov-14 A | 30-Dec-14 A | |
| NHT3982-NEW | Topping from sta. 6+240 to sta. 6+800( 20 cm) | 11d | 100% | 10-Nov-14 A | 30-Nov-14 A | |
| NHT4210 | 15 cm thick for first base course layer from St. 6+240-6+800 | 15d | 100% | 15-Dec-14 A | 26-Dec-14 A | |
| NHT3960 | 15 cm thick for second base course layer from St. 6+240-6+800 | 14d | 100% | 27-Dec-14 A | 30-Dec-14 A | |
| **Side walk and asphalt** | | 108d | | 31-Dec-14 A | 02-May-15 | 8d |
| **from St. 5+800 6+240** | | 0d | | | | 0d |
| **from St. 6+240 6+800** | | 83d | | 31-Dec-14 A | 02-May-15 | 8d |
| NHT4240 | 5cm asphalt binder course including prime coat from St. 6+350-6+800 | 3d | 100% | 31-Dec-14 A | 31-Dec-14 A | |




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



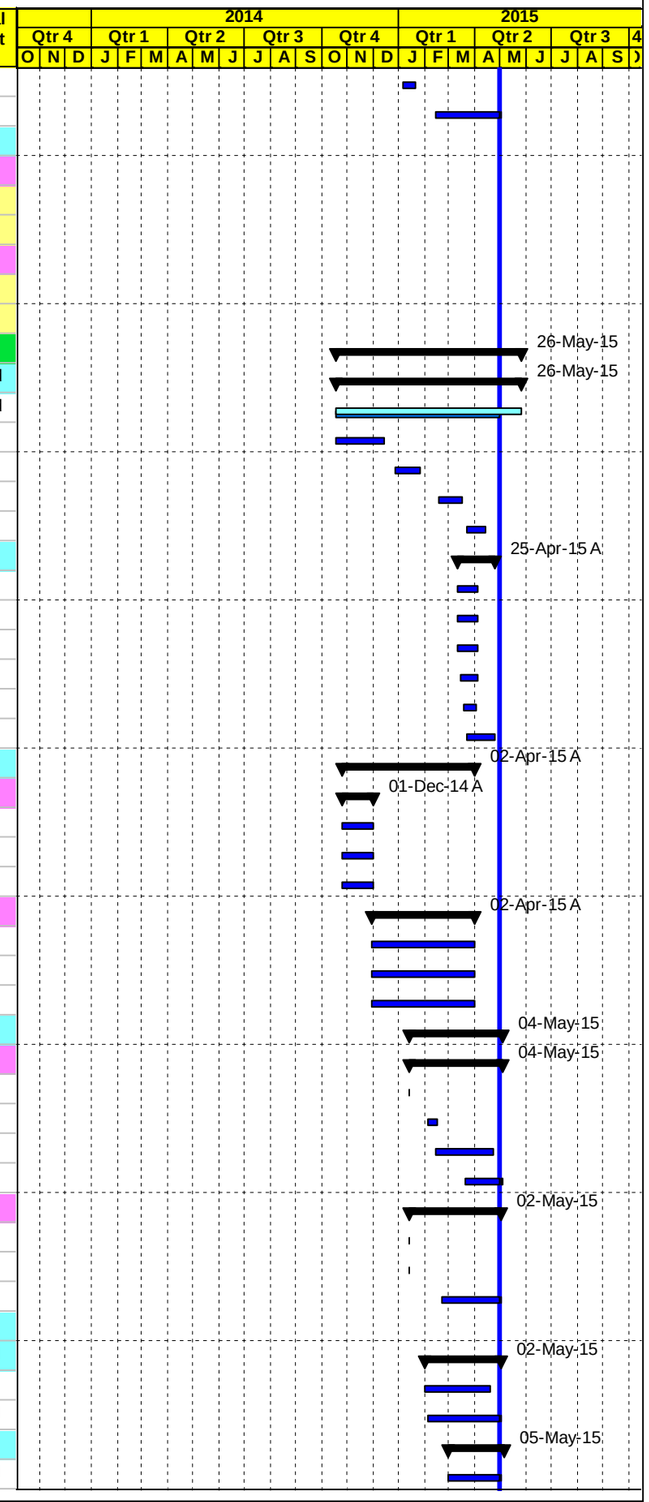
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT4250 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 6+350-6+630 | 20d | 100% | 06-Jan-15 A | 20-Jan-15 A | |
| NHT5415 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 90% | 14-Feb-15 A | 02-May-15 | 8d |
| **Mechanical Chambers work** | | 0d | | | | 0d |
| **Welding flanges** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **SEG.A From Sta.A6+800 to Sta. 7+460** | | 207d | | 18-Oct-14 A | 26-May-15 | 3d |
| **Safety, Excavation and storm system** | | 130d | | 18-Oct-14 A | 26-May-15 | -15d |
| NHT4010 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 118d | 50% | 18-Oct-14 A | 26-May-15 | -15d |
| NHT4280 | Saw Cut to Existing Asphalt and Excavation for reconstruction road including subgrade work from St. 6+800-7+100 | 18d | 100% | 19-Oct-14 A | 15-Dec-14 A | |
| NHT4130 | Retaining Wall from Sta.7+355 to Sta.7+393.4 LHS | 40d | 100% | 28-Dec-14 A | 27-Jan-15 A | |
| NHT4030 | Retaining Wall from Sta.7+170 to Sta.7+191.2 LHS | 30d | 100% | 17-Feb-15 A | 18-Mar-15 A | |
| NHT4020 | Excavation for reconstruction road including subgrade work (7+100 - 7+460) | 10d | 100% | 23-Mar-15 A | 14-Apr-15 A | |
| **Concrete wall** | | 21d | | 12-Mar-15 A | 25-Apr-15 A | |
| NHT4021-new | Concrete wall from Sta. A6+680 to Sta. 6+685 RHS | 21d | 100% | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4022-new | Concrete wall from Sta. A6+420 to Sta. 6+425 RHS | 21d | 100% | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4023-new | Concrete wall from Sta. A6+400 to Sta. 6+403 RHS | 21d | 100% | 12-Mar-15 A | 04-Apr-15 A | |
| NHT4024-new | Concrete wall from Sta. A7+205 to Sta. 7+215 LHS | 21d | 100% | 16-Mar-15 A | 04-Apr-15 A | |
| NHT4020-new | Concrete wall from Sta. A6+710 to Sta. 6+760 RHS | 21d | 100% | 19-Mar-15 A | 04-Apr-15 A | |
| NHT4025-new | Concrete wall from Sta. A7+492 to Sta. 7+510 LHS | 21d | 100% | 23-Mar-15 A | 25-Apr-15 A | |
| **Pipe Installation** | | 16d | | 26-Oct-14 A | 02-Apr-15 A | |
| **200 mm main pipeline with 150 mm and 75 mm dist. Pipe from A6+800 to sta.A7+270** | | 11d | | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4060-new | Trench excavation for 200mm main pipeline with 150 mm and 75 mm dist. Pipe from A6+800 to sta.A7+270 length (470 LM | 11d | 100% | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4065-new | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (470 LM) | 11d | 100% | 26-Oct-14 A | 01-Dec-14 A | |
| NHT4070-new | Backfill the pipe trench with (single size aggregate) to the required level (470 LM) | 10d | 100% | 26-Oct-14 A | 01-Dec-14 A | |
| **200 mm main pipeline with 150 and 50 mm dist. Pipe from A7+270 to sta.A7+470** | | 10d | | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5175 | Trench excavation for 200mm main pipeline with 150 mm, 50mm dist. Pipe from A7+270 to sta.A7+470 length (200 LM) | 10d | 100% | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5185 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (200LM) | 10d | 100% | 30-Nov-14 A | 02-Apr-15 A | |
| NHT5195 | Backfill the pipe trench with (single size aggregate) to the required level | 10d | 100% | 30-Nov-14 A | 02-Apr-15 A | |
| **Civil Chamber work** | | 98d | | 13-Jan-15 A | 04-May-15 | 2d |
| **Civil Chamber work for transmission pipeline** | | 70d | | 13-Jan-15 A | 04-May-15 | 2d |
| NHT4070 | Construct - ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 8d | 100% | 13-Jan-15 A | 13-Jan-15 A | |
| NHT4080 | Construct-Combined ARV(200mm, PN25, pipeline Dia.200 mm)&three GV,200,200,80mm-PN25,pipeline Dia.200 mm)@A7+ | 21d | 100% | 05-Feb-15 A | 15-Feb-15 A | |
| NHT4380 | Construct -Battir Connection chamber(150mm, PN16, pipeline Dia.150 mm)&( PN 16 bar, Gate valve DN 75 mm) @ Sta.A7 | 21d | 100% | 14-Feb-15 A | 24-Apr-15 A | |
| NHT4370 | Construct -Hussan Connection chamber(150mm, PN16, pipeline Dia.150 mm) @ Sta.A7+285 | 21d | 90% | 21-Mar-15 A | 04-May-15 | 2d |
| **Civil Chamber work for Distribution pipeline** | | 98d | | 13-Jan-15 A | 02-May-15 | 3d |
| NHT4090 | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 8d | 100% | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4390-new | Construct - ARV Valve (50mm, PN16, pipeline Dia.150 mm) @ St. A7+060 | 6d | 100% | 13-Jan-15 A | 14-Jan-15 A | |
| NHT4395-new | Construct -Combined Gate Valve chamber (75,50mm-PN16, pipeline Dia.75 mm) @A7+270 | 8d | 90% | 21-Feb-15 A | 02-May-15 | 3d |
| **Testing** | | 0d | | | | 0d |
| **Base course , street lighting** | | 14d | | 01-Feb-15 A | 02-May-15 | 24d |
| NHT4120 | 20 cm thick for first base course layer from st.6+800 to st. 7+460 | 9d | 100% | 01-Feb-15 A | 20-Apr-15 A | |
| NHT4320 | 20 cm thick for second base course layer from 6+800 to st. 7+460 | 9d | 90% | 04-Feb-15 A | 02-May-15 | 24d |
| **Side walk and asphalt** | | 50d | | 28-Feb-15 A | 05-May-15 | 6d |
| NHT4340 | 5cm asphalt binder course including prime coat from St. 6+800 - 7+460 | 2d | 95% | 28-Feb-15 A | 02-May-15 | 10d |




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



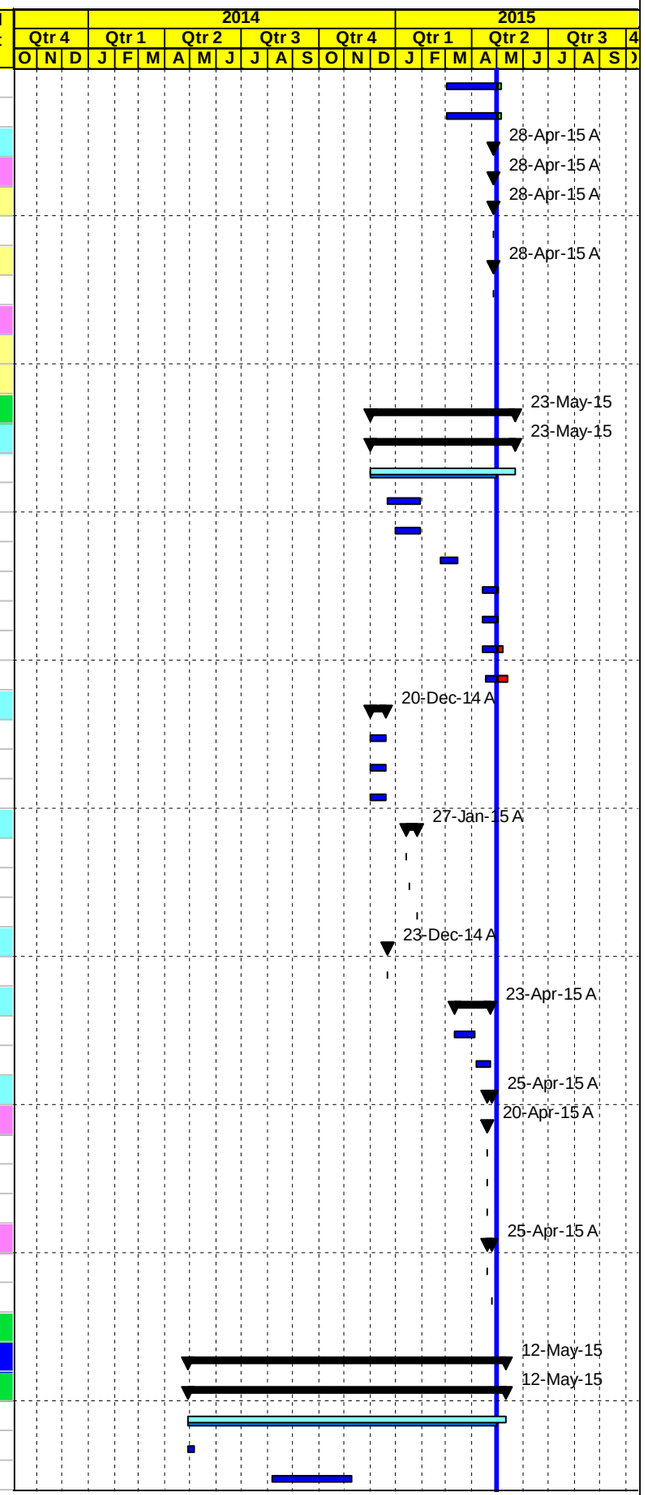
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT4360 | Reinforced concrete side walks, ramps and stairs including 15 cm base course under side walk | 8d | 50% | 02-Mar-15 A | 05-May-15 | 6d |
| NHT5315 | Construct curbstone after Saw cut the edge of asphalt binder course from St. 6+800 - 7+460 | 6d | 40% | 02-Mar-15 A | 05-May-15 | 7d |
| **Mechanical Chambers work** | | 2d | | 28-Apr-15 A | 28-Apr-15 A | |
| **Welding flanges** | | 2d | | 28-Apr-15 A | 28-Apr-15 A | |
| **Transmission pipeline** | | 1d | | 28-Apr-15 A | 28-Apr-15 A | |
| NHT1420-MEC | Welding flanges for ARV Valve (80mm, PN25, pipeline Dia.200 mm) @ St. A7+045 | 1d | 100% | 28-Apr-15 A | 28-Apr-15 A | |
| **Distribution pipeline** | | 1d | | 28-Apr-15 A | 28-Apr-15 A | |
| NHT1470-MEC | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@A6+800 | 1d | 100% | 28-Apr-15 A | 28-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **SEG.A Road From Sta. 7+460 to Sta. A8+203** | | 128d | | 02-Dec-14 A | 23-May-15 | -8d |
| **Safety and Excavation** | | 85d | | 02-Dec-14 A | 23-May-15 | -8d |
| NHT4390 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 37d | 70% | 02-Dec-14 A | 23-May-15 | -8d |
| NHT4700 | Retaining Wall from Sta.7+530 to Sta.7+564 LHS | 21d | 100% | 22-Dec-14 A | 31-Jan-15 A | |
| NHT4690 | Retaining Wall from Sta.7+475 to Sta.7+488 LHS | 21d | 100% | 01-Jan-15 A | 31-Jan-15 A | |
| NHT4400 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 24-Feb-15 A | 15-Mar-15 A | |
| NHT4500 | Pipe Culvert (600 mm) At Sta.7+792.4-Segment A | 8d | 90% | 15-Apr-15 A | 02-May-15 | -4d |
| NHT4590 | Boundary Wall From Sta. A7+515 to A7+530 LHS | 10d | 90% | 15-Apr-15 A | 02-May-15 | 3d |
| NHT4740 | Boundary Wall From Sta. A7+675 to A7+690 RHS | 10d | 40% | 15-Apr-15 A | 07-May-15 | -2d |
| NHT4750 | One Side Shuttering From Sta. A7+750 to Sta. A7+780 RHS | 20d | 40% | 18-Apr-15 A | 14-May-15 | -8d |
| **Pipe Installation** | | 15d | | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4410 | Trench excavation for 75 mm pipes (7+400 to 8+180) (780 LM) | 15d | 100% | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4415 | Bedding (crushed stone) and install the above main with welding inspection (780 LM) | 15d | 100% | 02-Dec-14 A | 20-Dec-14 A | |
| NHT4435 | Backfill the pipe trench with (single size aggregate) to the required level | 15d | 100% | 02-Dec-14 A | 20-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 5d | | 14-Jan-15 A | 27-Jan-15 A | |
| NHT4475-new | Construct - ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 4d | 100% | 14-Jan-15 A | 14-Jan-15 A | |
| NHT4420 | Construct -Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 4d | 100% | 17-Jan-15 A | 18-Jan-15 A | |
| NHT4470-new | Construct - Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 4d | 100% | 27-Jan-15 A | 27-Jan-15 A | |
| **Testing** | | 1d | | 23-Dec-14 A | 23-Dec-14 A | |
| NHT4730 | Radiographic Testing (RT) | 1d | 100% | 23-Dec-14 A | 23-Dec-14 A | |
| **Base course and Asphalt** | | 18d | | 12-Mar-15 A | 23-Apr-15 A | |
| NHT4440 | 20 cm thick for first base course layer | 10d | 100% | 12-Mar-15 A | 05-Apr-15 A | |
| NHT4450 | 20 cm thick for second base course layer | 10d | 100% | 06-Apr-15 A | 23-Apr-15 A | |
| **Mechanical Chambers work** | | 22d | | 20-Apr-15 A | 25-Apr-15 A | |
| **Welding flanges** | | 3d | | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1600-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 1d | 100% | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1590-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.75 mm)@A7+930 | 1d | 100% | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1580-MECH | Welding flanges for Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 1d | 100% | 20-Apr-15 A | 20-Apr-15 A | |
| **Mechanical fittings installation** | | 3d | | 20-Apr-15 A | 25-Apr-15 A | |
| NHT1630-MECH | Fittings installation for Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @A8+100 | 1d | 100% | 20-Apr-15 A | 20-Apr-15 A | |
| NHT1610-MECH | Fittings installation for Wash out Valve chamber (50mm, PN16, pipeline Dia.75 mm) @A7+700 | 1d | 100% | 25-Apr-15 A | 25-Apr-15 A | |
| **Asphalt for SEG. A5+800 to 8+203 A** | | 0d | | | | 0d |
| **Phase Two SEG.B From Sta. B0+000 to Sta. B0+985 RHS & LHS** | | 335d | | 28-Apr-14 A | 12-May-15 | 17d |
| **Safety, Excavation and Storm system** | | 254d | | 28-Apr-14 A | 12-May-15 | 15d |
| NHT5475 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 80d | 90% | 28-Apr-14 A | 12-May-15 | -3d |
| NHT4650 | Removing Asphalt | 5d | 100% | 29-Apr-14 A | 07-May-14 A | |
| NHT4640 | Excavation for reconstruction road including subgrade work LHS | 9d | 100% | 07-Aug-14 A | 10-Nov-14 A | |




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



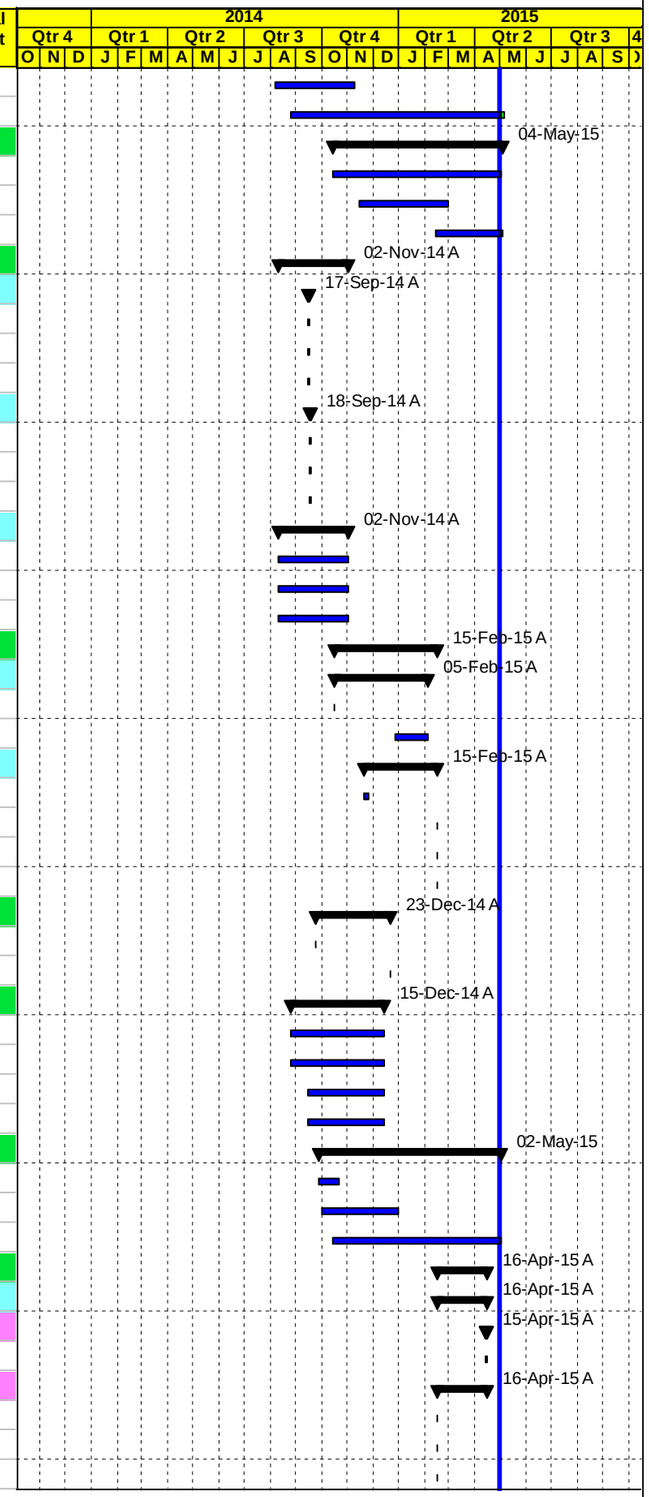
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT4480 | Excavation for reconstruction road including subgrade work RHS | 10d | 100% | 07-Aug-14 A | 10-Nov-14 A | |
| NHT4490 | Construct 600 &400 mm concrete pipe for storm sytem with manholes & catch basin from B0+110 to B0+230 - & B0+700-0+9: | 40d | 90% | 26-Aug-14 A | 05-May-15 | 21d |
| **Concrete Wall** | | 85d | | 15-Oct-14 A | 04-May-15 | 2d |
| NHT4490-new | Boundary Wall Segment B | 37d | 95% | 15-Oct-14 A | 03-May-15 | 3d |
| NHT4495-new | Retaining Wall Segments B0+820 TO 0+859 RHS | 21d | 100% | 15-Nov-14 A | 01-Mar-15 A | |
| NHT4498-new | Retaining Wall from Sta.B0+690 to Sta.B0+708 RHS | 21d | 90% | 14-Feb-15 A | 04-May-15 | 2d |
| **Pipe Installation** | | 39d | | 11-Aug-14 A | 02-Nov-14 A | |
| **100 mm main pipeline from** | | 3d | | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4510 | Trench excavation for 100 mm main pipeline from B0+000 to sta.B0+100 with length approx. (100 LM) RHS | 3d | 100% | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4513 | Bedding (crushed stone) and install the above main with welding inspection (100 LM) RHS | 3d | 100% | 16-Sep-14 A | 17-Sep-14 A | |
| NHT4515 | Backfill the pipe trench with (single size aggregate) to the required level (100 LM) RHS | 3d | 100% | 16-Sep-14 A | 17-Sep-14 A | |
| **100 mm main pipeline with 50 mm dist. Pipe** | | 3d | | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5055 | Trench excavation for 100 mm main pipeline with 50 mm dist. Pipefrom B0+100 to st.B0+185 with length approx. (85LM | 3d | 100% | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5065 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (85 LM) RHS | 3d | 100% | 17-Sep-14 A | 18-Sep-14 A | |
| NHT5075 | Backfill the pipe trench with (single size aggregate) to the required level (85 LM) RHS | 3d | 100% | 17-Sep-14 A | 18-Sep-14 A | |
| **100 mm main pipeline with 100 mm dist. Pipe** | | 12d | | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4520 | Trench excavation for 100mm main pipeline with 100 &50mm mm dist. Pipe from B0+185 toB0+988 with length. (803 LM) F | 12d | 100% | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4540 | Backfill the pipe trench with (single size aggregate) to the required level RHS | 12d | 100% | 11-Aug-14 A | 02-Nov-14 A | |
| NHT4530 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (803 LM) RHS | 12d | 100% | 11-Aug-14 A | 02-Nov-14 A | |
| **Civil Chamber work** | | 170d | | 16-Oct-14 A | 15-Feb-15 A | |
| **Civil Chamber work for transmission pipeline** | | 85d | | 16-Oct-14 A | 05-Feb-15 A | |
| NHT4630 | Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 15d | 100% | 16-Oct-14 A | 16-Oct-14 A | |
| NHT4550 | Construct -Wadi Fukin Connection chamber (75mm, PN25, pipeline Dia.100 mm) @St.B0+955 | 28d | 100% | 27-Dec-14 A | 05-Feb-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 135d | | 20-Nov-14 A | 15-Feb-15 A | |
| NHT4570-new | Construct -Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 LHS | 7d | 100% | 20-Nov-14 A | 27-Nov-14 A | |
| NHT4555-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 8d | 100% | 15-Feb-15 A | 15-Feb-15 A | |
| NHT4575-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 8d | 100% | 15-Feb-15 A | 15-Feb-15 A | |
| NHT4565-new | Construct -Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 8d | 100% | 15-Feb-15 A | 15-Feb-15 A | |
| **Testing** | | 17d | | 24-Sep-14 A | 23-Dec-14 A | |
| NHT4560 | Pressure Testing | 0d | 100% | 24-Sep-14 A | 25-Sep-14 A | |
| NHT5425 | Radiographic Testing (RT) | 1d | 100% | 23-Dec-14 A | 23-Dec-14 A | |
| **Base course , street lighting** | | 44d | | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4660 | 20 cm thick for first base course layer LHS | 12d | 100% | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4570 | 20 cm thick for first base course layer RHS | 10d | 100% | 25-Aug-14 A | 15-Dec-14 A | |
| NHT4670 | 20 cm thick for second base course layer LHS | 13d | 100% | 15-Sep-14 A | 15-Dec-14 A | |
| NHT4580 | 20 cm thick for second base course layer RHS | 9d | 100% | 15-Sep-14 A | 15-Dec-14 A | |
| **Side walk an asphalt** | | 36d | | 28-Sep-14 A | 02-May-15 | 6d |
| NHT4600 | 5cm asphalt binder course including prime coat | 3d | 100% | 28-Sep-14 A | 22-Oct-14 A | |
| NHT4610 | Construct curbstone after Saw cut the edge of asphalt binder course | 7d | 100% | 01-Oct-14 A | 31-Dec-14 A | |
| NHT4620 | Reinforced concrete side walks, ramps and stairs included 15 cm base course under side walk | 17d | 95% | 15-Oct-14 A | 02-May-15 | 6d |
| **Mechanical Chambers work** | | 11d | | 16-Feb-15 A | 16-Apr-15 A | |
| **Welding flanges** | | 9d | | 16-Feb-15 A | 16-Apr-15 A | |
| **Transmission pipeline** | | 1d | | 15-Apr-15 A | 15-Apr-15 A | |
| NHT1640-MECH | Welding flanges for Gate Valve Chamber(100mm, PN16, pipeline Dia.100 mm) @ 0+010 | 1d | 100% | 15-Apr-15 A | 15-Apr-15 A | |
| **Distribution pipeline** | | 8d | | 16-Feb-15 A | 16-Apr-15 A | |
| NHT1660-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm)@B0+095 RHS | 1d | 100% | 16-Feb-15 A | 16-Feb-15 A | |
| NHT1700-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+750 LHS | 1d | 100% | 16-Feb-15 A | 16-Feb-15 A | |
| NHT1680-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @B0+380 LHS | 1d | 100% | 16-Feb-15 A | 16-Feb-15 A | |




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



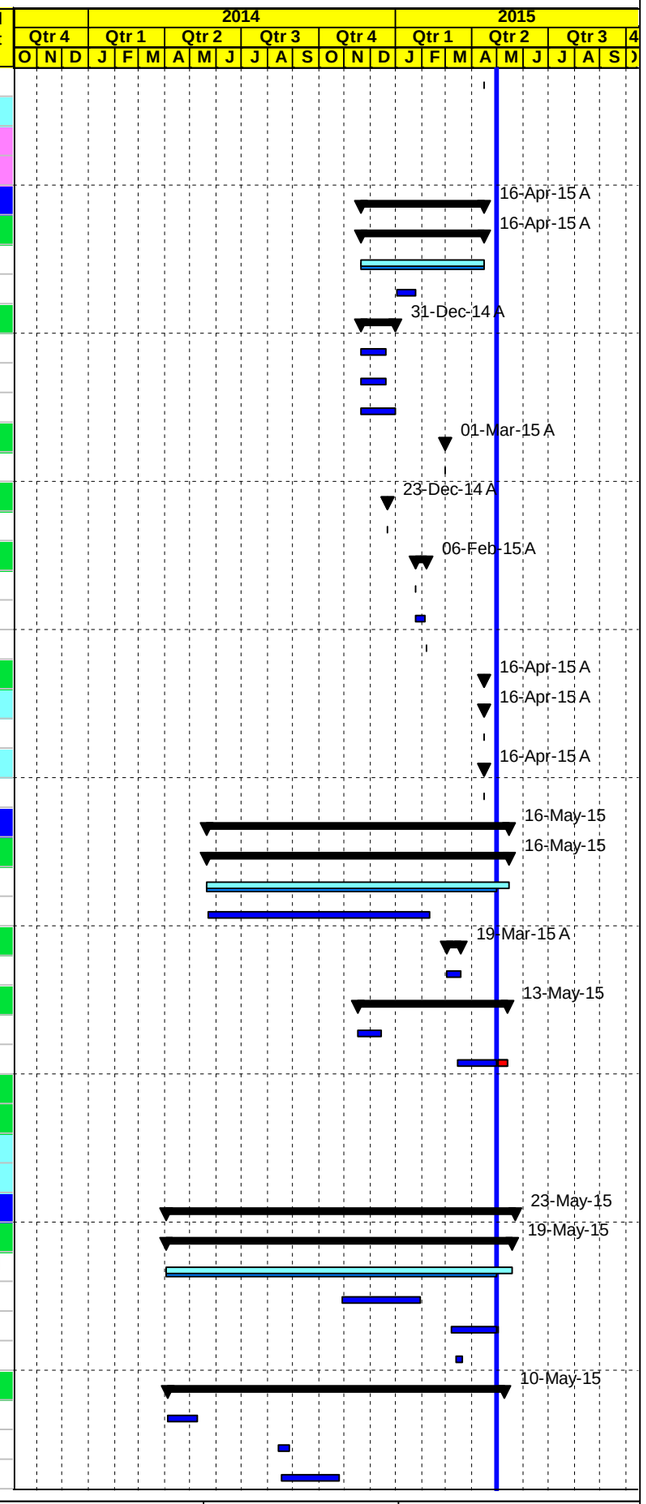
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT1690-MECH | Welding flanges for Combined Gate Valve chamber (100,50mm-PN16-pipeline Dia.100, 50 mm) @B0+540 LHS | 1d | 100% | 16-Apr-15 A | 16-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **Phase Three SEG.C From St.C0+000 -St.C0+330** | | 83d | | 20-Nov-14 A | 16-Apr-15 A | |
| **Safety and Excavation** | | 42d | | 20-Nov-14 A | 16-Apr-15 A | |
| NHT3060 | Maintain traffic control and safety plan with coordination | 37d | 100% | 20-Nov-14 A | 16-Apr-15 A | |
| NHT3070 | Excavation for reconstruction road including subgrade and backfilling if required | 8d | 100% | 02-Jan-15 A | 24-Jan-15 A | |
| **Pipe Installation** | | 2d | | 20-Nov-14 A | 31-Dec-14 A | |
| NHT3080 | Trench excavation for 100 mm main pipeline with 50 mm dist. Pipe from C0+000 to sta. C0+330 (330 LM) | 2d | 100% | 20-Nov-14 A | 21-Dec-14 A | |
| NHT3090 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (330 LM) | 2d | 100% | 20-Nov-14 A | 21-Dec-14 A | |
| NHT3100 | Backfill the pipe trench with (single size aggregate) to the required level (330 LM) | 2d | 100% | 20-Nov-14 A | 31-Dec-14 A | |
| **Civil Chamber work for Distribution pipeline** | | 8d | | 01-Mar-15 A | 01-Mar-15 A | |
| NHT3110 | Construct - Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 8d | 100% | 01-Mar-15 A | 01-Mar-15 A | |
| **Testing** | | 1d | | 23-Dec-14 A | 23-Dec-14 A | |
| NHT5435 | Radiographic Testing (RT) | 1d | 100% | 23-Dec-14 A | 23-Dec-14 A | |
| **Base course and Asphalt** | | 33d | | 24-Jan-15 A | 06-Feb-15 A | |
| NHT3260 | Topping replacement from St. 0+180 to 0+260 | 5d | 100% | 24-Jan-15 A | 25-Jan-15 A | |
| NHT3130 | 20 cm thick for base course layer | 21d | 100% | 25-Jan-15 A | 05-Feb-15 A | |
| NHT3170 | 7 cm Asphalt wearing course including prime coat | 2d | 100% | 06-Feb-15 A | 06-Feb-15 A | |
| **Mechanical Chambers work** | | 6d | | 16-Apr-15 A | 16-Apr-15 A | |
| **Welding flanges** | | 1d | | 16-Apr-15 A | 16-Apr-15 A | |
| NHT1800-MECH | Welding flanges for Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 1d | 100% | 16-Apr-15 A | 16-Apr-15 A | |
| **Mechanical fittings installation** | | 1d | | 16-Apr-15 A | 16-Apr-15 A | |
| NHT1810-MECH | Fittings installation for Combined Gate Valve chamber(100, 50mm- PN16, pipeline Dia. 100,50 mm) @ Sta.C0+320 | 1d | 100% | 16-Apr-15 A | 16-Apr-15 A | |
| **Phase Four SEG.D From Sta.D0+540 to Sta.D0+000 (Non-Residential area)** | | 322d | | 22-May-14 A | 16-May-15 | -11d |
| **Safety, Excavation and Concrete Works** | | 41d | | 22-May-14 A | 16-May-15 | -9d |
| NHT3450 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 35% | 22-May-14 A | 16-May-15 | -9d |
| NHT3460 | Excavation and R.concrete foundation supports for main pipeline | 21d | 100% | 24-May-14 A | 10-Feb-15 A | |
| **Pipe Installation** | | 14d | | 02-Mar-15 A | 19-Mar-15 A | |
| NHT3470 | Install 300 mm main steel pipe line and cast concrete above supports (540 Lm) | 14d | 100% | 02-Mar-15 A | 19-Mar-15 A | |
| **Civil Chamber work** | | 81d | | 18-Nov-14 A | 13-May-15 | -9d |
| NHT3480 | Construct - Combined BFV chamber (300mm, PN40, pipeline Dia.300 mm)&ARV (100mm, PN40, pipeline Dia.300mm)@ Sta | 13d | 100% | 18-Nov-14 A | 15-Dec-14 A | |
| NHT3500 | Construct - ARV chamber (100mm, PN40, pipeline Dia.300 mm) @ Sta.D0+107 | 15d | 30% | 16-Mar-15 A | 13-May-15 | -9d |
| **Testing** | | 0d | | | | 0d |
| **Mechanical Chambers work** | | 0d | | | | 0d |
| **Welding flanges** | | 0d | | | | 0d |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Phase Five SEG.E From Sta. E-0+038 to Sta.E1+367** | | 382d | | 03-Apr-14 A | 23-May-15 | 6d |
| **Safety, Excavation** | | 287d | | 03-Apr-14 A | 19-May-15 | 9d |
| NHT3180 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 214d | 65% | 03-Apr-14 A | 19-May-15 | -18d |
| NHT3190 | Excavation for reconstruction road including subgrade & backfilling From E0+000 -E0+230 &From E0+500 to Sta.E1+367 | 18d | 100% | 29-Oct-14 A | 31-Jan-15 A | |
| NHT3210 | Pipe Culvert (800 mm) at Sta.0+584.7 | 10d | 95% | 08-Mar-15 A | 02-May-15 | 25d |
| NHT3250 | Excavation for reconstruction road including subgrade & backfilling From E0+230 -E0+500 | 10d | 100% | 14-Mar-15 A | 22-Mar-15 A | |
| **Concrete Walls** | | 304d | | 06-Apr-14 A | 10-May-15 | 12d |
| NHT3255-new | Construct R.Concrete Retaining wall from Sta. E1+100 to E1+116 RHS (16 LM) | 21d | 100% | 06-Apr-14 A | 11-May-14 A | |
| NHT0995-NEW | Retaining Wall from Sta.0+106 to Sta.0+173 RHS | 21d | 100% | 14-Aug-14 A | 27-Aug-14 A | |
| NHT3256-new | Construct R.Concrete Retaining wall from Sta. E0+106 to E0+173 RHS (67 LM) | 27d | 100% | 18-Aug-14 A | 26-Oct-14 A | |




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



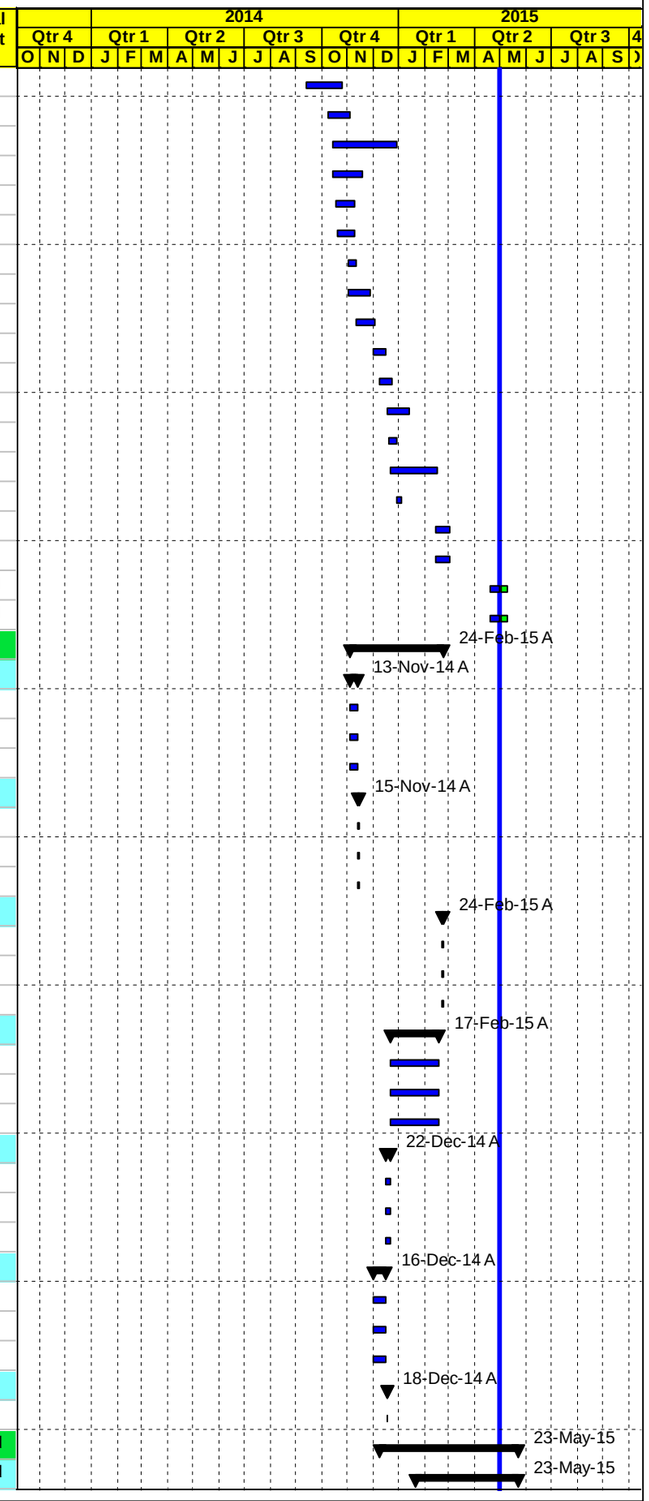
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |
| | | | |

APCO/ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT3258-new | Boundary Wall E0+045 to E0+084 RHS | 21d | 100% | 13-Sep-14 A | 26-Oct-14 A | |
| NHT3280-new | Boundary Wall from Sta.0+200 to Sta. 0+247 RHS | 19d | 100% | 09-Oct-14 A | 04-Nov-14 A | |
| NHT3300-new | One Side shuttering Wall from Sta.0+501 to Sta. 0+620 LHS | 19d | 100% | 15-Oct-14 A | 29-Dec-14 A | |
| NHT3290-new | One Side Shuter Wall and Boundary Wall E0+500 to E0+600 LHS | 18d | 100% | 15-Oct-14 A | 19-Nov-14 A | |
| NHT3310-new | Boundary Wall from Sta.0+718 to Sta. 0+732 LHS | 19d | 100% | 19-Oct-14 A | 09-Nov-14 A | |
| NHT3320-new | Retaining Wall from Sta. 0+639 to Sta. 0+670 LHS | 19d | 100% | 20-Oct-14 A | 10-Nov-14 A | |
| NHT3340-new | Retaining Wall from Sta. 0+754 to Sta. 0+774 LHS | 19d | 100% | 02-Nov-14 A | 12-Nov-14 A | |
| NHT3350-new | Boundary Wall from Sta.0+818 to Sta. 0+884.3 RHS | 19d | 100% | 03-Nov-14 A | 29-Nov-14 A | |
| NHT3360-new | Retaining Wall from Sta. 0+812.5 to Sta. 0+839 LHS | 19d | 100% | 11-Nov-14 A | 04-Dec-14 A | |
| NHT3330-new | Boundary Wall from Sta.0+637 to Sta. 0+653 RHS | 19d | 100% | 01-Dec-14 A | 16-Dec-14 A | |
| NHT3390-new | Boundary Wall from Sta. 0+032 To Sta. 0+063 LHS | 19d | 100% | 09-Dec-14 A | 25-Dec-14 A | |
| NHT3387-new | Retaining Wall from Sta.0+886.8 to Sta.0+894.6 LHS | 15d | 100% | 18-Dec-14 A | 13-Jan-15 A | |
| NHT3270-new | Boundary Wall from Sta.0+567 to Sta. 0+590 RHS | 19d | 100% | 20-Dec-14 A | 29-Dec-14 A | |
| NHT3400-new | Boundary Wall from Sta.1+050 to Sta. 1+120 RHS | 19d | 100% | 23-Dec-14 A | 15-Feb-15 A | |
| NHT3380-new | Boundary Wall from Sta.0+839 to Sta. 0+850 LHS | 19d | 100% | 30-Dec-14 A | 05-Jan-15 A | |
| NHT3389-new | Boundary Wall from Sta.0+948 to Sta. 0+963 RHS | 13d | 100% | 14-Feb-15 A | 02-Mar-15 A | |
| NHT3395-new | Boundary Wall from Sta.0+987 to Sta. 0+993 LHS | 13d | 100% | 14-Feb-15 A | 02-Mar-15 A | |
| NHT5485 | Boundary Wall along access road E0+900 ( 0+000 to 0+070) RHS | 10d | 20% | 20-Apr-15 A | 10-May-15 | 12d |
| NHT5495 | Boundary Wall along access road E1+000 ( 0+000 to 0+070) RHS and LHS | 10d | 20% | 20-Apr-15 A | 10-May-15 | 12d |
| **Pipe Installation** | | 80d | | 04-Nov-14 A | 24-Feb-15 A | |
| **Pipe Installation 300 mm main pipeline & 75 mm from -E0+040 To E0+220** | | 7d | | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3140 | Trench excavation for 300 mm main pipeline & 75 mm pipeline from -E0+040 To E0+220 (260 lm) | 5d | 100% | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3150 | Bedding (crushed stone) and install Steel pipes with welding inspection | 5d | 100% | 04-Nov-14 A | 13-Nov-14 A | |
| NHT3160 | Backfill the pipe trench with (single size aggregate) to the required level | 5d | 100% | 04-Nov-14 A | 13-Nov-14 A | |
| **Pipe Installation for 300 mm main pipeline & 50 mm from E0+220 To E0+280** | | 2d | | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3140-new | Trench excavation for 300 mm main pipeline & 50 mm pipeline from E0+220 To E0+280 (60 lm) | 2d | 100% | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3142-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 2d | 100% | 13-Nov-14 A | 15-Nov-14 A | |
| NHT3144-new | Backfill the pipe trench with (single size aggregate) to the required level | 2d | 100% | 13-Nov-14 A | 15-Nov-14 A | |
| **Pipe Installation for 300 mm main pipeline , 150 mm & 50 mm from E0+280 To E0+460** | | 12d | | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3152-new | Trench excavation for 300 mm main pipeline , 150 mm & 50 mm pipeline from E0+280 To E0+460 (180lm) | 4d | 100% | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3154-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 4d | 100% | 22-Feb-15 A | 24-Feb-15 A | |
| NHT3156-new | Backfill the pipe trench with (single size aggregate) to the required level | 4d | 100% | 22-Feb-15 A | 24-Feb-15 A | |
| **Pipe Installation for 300 mm main pipeline , 100 mm & 50 mm pipeline from E0+460 To E1+000** | | 10d | | 22-Dec-14 A | 17-Feb-15 A | |
| NHT3158-new | Trench excavation for 300 mm main pipeline , 100 mm & 50 mm pipeline from E0+460 To E0+920 (540 lm) | 10d | 100% | 22-Dec-14 A | 17-Feb-15 A | |
| NHT3160-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 10d | 100% | 22-Dec-14 A | 17-Feb-15 A | |
| NHT3162-new | Backfill the pipe trench with (single size aggregate) to the required level | 8d | 100% | 22-Dec-14 A | 17-Feb-15 A | |
| **Pipe Installation for 300 mm main pipeline & 75 mm pipeline from E1+000To E1+250** | | 7d | | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3164-new | Trench excavation for 300 mm main pipeline & 75 mm pipeline from 0+920 To 1+250 (330 lm) | 7d | 100% | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3166-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 7d | 100% | 17-Dec-14 A | 22-Dec-14 A | |
| NHT3168-new | Backfill the pipe trench with (single size aggregate) to the required level | 7d | 100% | 17-Dec-14 A | 22-Dec-14 A | |
| **Pipe Installation for 250 mm main pipeline & 50 mm pipeline from E1+250 To E1+367** | | 3d | | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3170-new | Trench excavation for 250 mm main pipeline & 50 mm pipeline from E1+250 To E1+400 (150 lm) | 3d | 100% | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3172-new | Bedding (crushed stone) and install Steel pipes with welding inspection | 3d | 100% | 02-Dec-14 A | 16-Dec-14 A | |
| NHT3174-new | Backfill the pipe trench with (single size aggregate) to the required level | 3d | 100% | 02-Dec-14 A | 16-Dec-14 A | |
| **future connection** | | 4d | | 18-Dec-14 A | 18-Dec-14 A | |
| NHT4815 | Nahaleen Tank future connection 200 mm (8 Lm) | 4d | 100% | 18-Dec-14 A | 18-Dec-14 A | |
| **Civil Chambers** | | 114d | | 10-Dec-14 A | 23-May-15 | -16d |
| **Civil Chamber work for transmission pipeline** | | 48d | | 20-Jan-15 A | 23-May-15 | -16d |




Milestone Early Bar | Actual Level of Effort | Level of Effort
Actual Work | Early Bar | Summary
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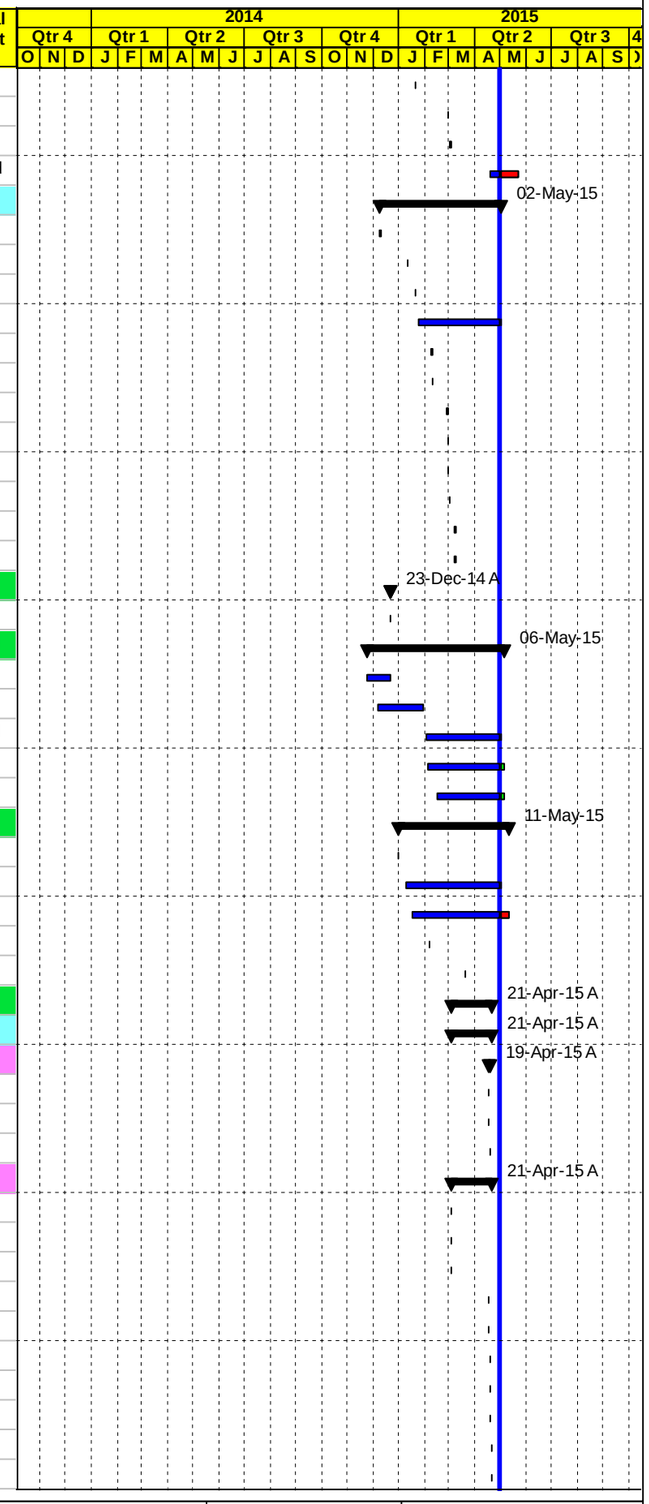
| 03-May-15 | | | |

APCO ArCon CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT3030 | Construct - ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 8d | 100% | 20-Jan-15 A | 21-Jan-15 A | |
| NHT3020 | Construct - Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 8d | 100% | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3035 | Construct - ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 8d | 100% | 02-Mar-15 A | 05-Mar-15 A | |
| NHT3250-new | Construct -Nahaleen Connection chamber(150mm, PN40, pipeline Dia 200 mm ) &(PN 40 bar, GV DN 75 mm) @Sta.E0+4 | 21d | 10% | 20-Apr-15 A | 23-May-15 | -16d |
| **Civil Chamber work for Distribution pipeline** | | 82d | | 10-Dec-14 A | 02-May-15 | 3d |
| NHT3030-new | Construct - Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 9d | 100% | 10-Dec-14 A | 11-Dec-14 A | |
| NHT3120-new | Construct -Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 8d | 100% | 12-Jan-15 A | 12-Jan-15 A | |
| NHT3130-new | Construct - ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 8d | 100% | 20-Jan-15 A | 21-Jan-15 A | |
| NHT3134-new | Construct - PRV chamber(150mm, PN40, pipeline Dia.150 mm)&PN 40 bar, additional Gate valve DN 100 mm @E0+460 RI | 8d | 95% | 25-Jan-15 A | 02-May-15 | 3d |
| NHT3132-new | Construct - Gate Valve chamber (75mm, PN16, pipeline Dia.75 mm) @E1+235 | 8d | 100% | 09-Feb-15 A | 10-Feb-15 A | |
| NHT3110-new | Construct - Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 8d | 100% | 10-Feb-15 A | 11-Feb-15 A | |
| NHT3060-new | Construct -Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 8d | 100% | 27-Feb-15 A | 01-Mar-15 A | |
| NHT3070-new | Construct -Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 8d | 100% | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3080-new | Construct - Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 8d | 100% | 28-Feb-15 A | 01-Mar-15 A | |
| NHT3050-new | Construct - Combined Gate Valve chamber(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline Dia.75mm)@E0+ | 8d | 100% | 02-Mar-15 A | 02-Mar-15 A | |
| NHT3090-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 8d | 100% | 08-Mar-15 A | 10-Mar-15 A | |
| NHT3100-new | Construct - Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 8d | 100% | 08-Mar-15 A | 10-Mar-15 A | |
| **Testing** | | 1d | | 23-Dec-14 A | 23-Dec-14 A | |
| NHT3125 | Radiographic Testing (RT) | 1d | 100% | 23-Dec-14 A | 23-Dec-14 A | |
| **Base course** | | 102d | | 25-Nov-14 A | 06-May-15 | 21d |
| NHT3252 | Topping -20 cm from E-0+038 to Sta.E0+230 & 0+900 to 1+140 | 13d | 100% | 25-Nov-14 A | 23-Dec-14 A | |
| NHT3220 | 20 cm thick for base course layer from E0+000 to Sta.E0+230 & 0+900 to 1+140 | 13d | 100% | 08-Dec-14 A | 31-Jan-15 A | |
| NHT3270 | 2 layers 20 cm thick for base course layer from St. 1+200 to St. 1+367 | 5d | 90% | 03-Feb-15 A | 02-May-15 | 25d |
| NHT3253 | Topping -20 cm From E0+230 to Sta.E0+900 & St.1+140 to 1+200 | 20d | 80% | 05-Feb-15 A | 05-May-15 | 11d |
| NHT3230 | 20 cm thick for base course layer E0+230 to Sta.E0+900 & St. 1+140 to 1+200 | 15d | 70% | 15-Feb-15 A | 06-May-15 | 11d |
| **Curbstone and Asphalt** | | 55d | | 01-Jan-15 A | 11-May-15 | 0d |
| NHT3295 | 5 cm Asphalt Binder course including prime coat from E-0+038 to Sta.E0+230 | 2d | 100% | 01-Jan-15 A | 01-Jan-15 A | |
| NHT3290 | Curbstone ,concrete side walks, ramps including 15 cm base course from E-0+038 to Sta.E0+230 & E0+900 to 1+140 | 30d | 95% | 10-Jan-15 A | 03-May-15 | 7d |
| NHT5355 | Curbstone ,concrete side walks, ramps including 15 cm base course FROM E0+230 to Sta.E0+900 & 1+140 to 1+367 | 21d | 60% | 18-Jan-15 A | 11-May-15 | 0d |
| NHT5335 | 5 cm Asphalt Binder course including prime coat from E0+900 to 1+140 | 2d | 100% | 06-Feb-15 A | 06-Feb-15 A | |
| NHT5345 | 5 cm Asphalt Binder course including prime coat From E0+230 to Sta.E0+900 & 1+140 to 1+367 | 2d | 100% | 22-Mar-15 A | 22-Mar-15 A | |
| **Mechanical Chambers work** | | 13d | | 05-Mar-15 A | 21-Apr-15 A | |
| **Welding flanges** | | 12d | | 05-Mar-15 A | 21-Apr-15 A | |
| **Transmission pipeline** | | 4d | | 18-Apr-15 A | 19-Apr-15 A | |
| NHT1880-MECH | Welding flanges for Wash out Valve chamber (250mm- PN16, pipeline Dia 100 mm) @E0+590 | 1d | 100% | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1860-MECH | Welding flanges for ARV Valve chamber (100mm- PN40, pipeline Dia 300 mm) @E0+355 | 1d | 100% | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1890-MECH | Welding flanges for ARV Valve chamber (100mm,PN40, pipeline Dia 300 mm) @E1+020 | 1d | 100% | 19-Apr-15 A | 19-Apr-15 A | |
| **Distribution pipeline** | | 12d | | 05-Mar-15 A | 21-Apr-15 A | |
| NHT1960-MECH | Welding flanges for Wash out chamber (50mm, PN16, pipeline Dia.100 mm) @E0+590 | 1d | 100% | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1970-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @ E0+600 | 1d | 100% | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1980-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @E0+740 | 1d | 100% | 05-Mar-15 A | 05-Mar-15 A | |
| NHT1920-MECH | Welding flanges for Combined Gate Valve(75mm, PN16, pipeline Dia.75mm)&ARV(50mm, PN16, pipeline Dia.75mm)@E0+3 | 1d | 100% | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1900-MECH | Welding flanges for Gate Valve chamber (75mm, PN16, pipeline Dia. 75 mm) @E0+200 | 1d | 100% | 18-Apr-15 A | 18-Apr-15 A | |
| NHT1930-MECH | Welding flanges for Combined Gate Valve chamber (150, 50mm-PN16, pipeline Dia.150, 50 mm) @E0+445 | 1d | 100% | 19-Apr-15 A | 19-Apr-15 A | |
| NHT1910-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 75 mm) @E0+340 | 1d | 100% | 19-Apr-15 A | 19-Apr-15 A | |
| NHT1950-MECH | Welding flanges for Combined Gate Valve chamber (100, 50mm-PN16, pipeline Dia.150, 50 mm)@E0+500 | 1d | 100% | 20-Apr-15 A | 20-Apr-15 A | |
| NHT2000-MECH | Welding flanges for Combined Gate Valve chamber (75mm, PN16, pipeline Dia.75mm) @E1+000 | 1d | 100% | 21-Apr-15 A | 21-Apr-15 A | |
| NHT2010-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.75 mm) @E1+020 | 1d | 100% | 21-Apr-15 A | 21-Apr-15 A | |




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



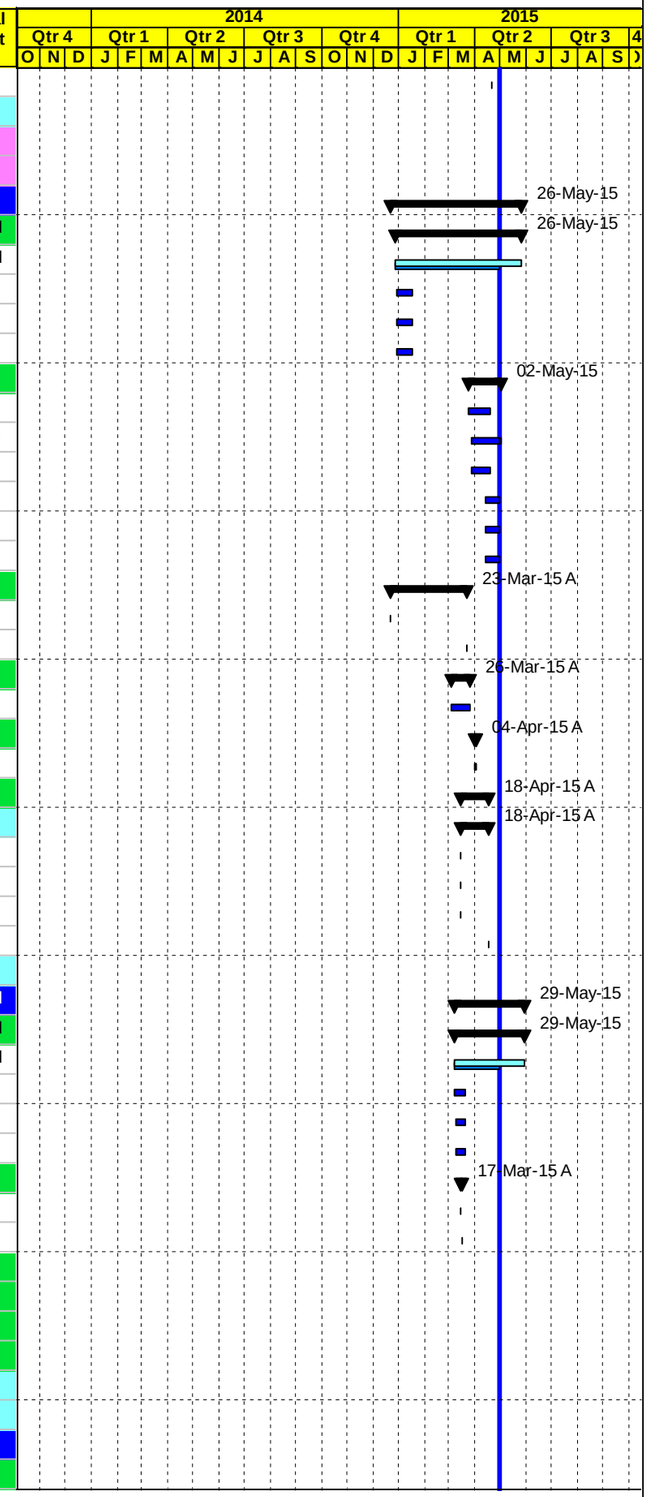
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| NHT1990-MECH | Welding flanges for Gate Valve chamber (100mm, PN16, pipeline Dia.100 mm) @E0+880 | 1d | 100% | 21-Apr-15 A | 21-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Transmission pipeline** | | 0d | | | | 0d |
| **Distribution pipeline** | | 0d | | | | 0d |
| **Phase Six Battir Distribution pipes** | | 158d | | 23-Dec-14 A | 26-May-15 | 3d |
| **Safety and Pipe Installation** | | 60d | | 28-Dec-14 A | 26-May-15 | -18d |
| NHT3380 | Maintain traffic control and safety plan ,coordination | 39d | 50% | 28-Dec-14 A | 26-May-15 | -18d |
| NHT3390 | Trench excavation for 150mm main pipeline with 50 mm at Battir village length approx. (1060LM) | 14d | 100% | 29-Dec-14 A | 17-Jan-15 A | |
| NHT3400 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection(1060 LM) | 14d | 100% | 29-Dec-14 A | 17-Jan-15 A | |
| NHT3410 | Backfill the pipe trench with (single size aggregate) to the required level | 14d | 100% | 29-Dec-14 A | 17-Jan-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 15d | | 25-Mar-15 A | 02-May-15 | 24d |
| NHT3422 | Construct PRV chamber (150mm, PN25, pipeline Dia.150 mm) @A7+410-B0+800 | 8d | 100% | 25-Mar-15 A | 20-Apr-15 A | |
| NHT3438-new | Construct Wash out chamber(75mm, PN16, pipeline Dia.150 mm) @A7+410-B0+800 | 8d | 90% | 28-Mar-15 A | 02-May-15 | 24d |
| NHT3436-new | Construct ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 8d | 100% | 29-Mar-15 A | 20-Apr-15 A | |
| NHT3432-new | Construct Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 8d | 100% | 15-Apr-15 A | 30-Apr-15 A | |
| NHT3434-new | Construct Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 8d | 100% | 15-Apr-15 A | 30-Apr-15 A | |
| NHT3420 | Construct Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 8d | 100% | 15-Apr-15 A | 30-Apr-15 A | |
| **Testing** | | 72d | | 23-Dec-14 A | 23-Mar-15 A | |
| NHT5455 | Radiographic Testing (RT) | 1d | 100% | 23-Dec-14 A | 23-Dec-14 A | |
| NHT3430 | Pressure Testing | 2d | 100% | 23-Mar-15 A | 23-Mar-15 A | |
| **Retaining Walls** | | 30d | | 05-Mar-15 A | 26-Mar-15 A | |
| NHT3410-new | Retaining Wall from Sta.0+564 to Sta.0+651LHS | 30d | 100% | 05-Mar-15 A | 26-Mar-15 A | |
| **Asphalt** | | 2d | | 01-Apr-15 A | 04-Apr-15 A | |
| NHT3490 | Milling | 2d | 100% | 01-Apr-15 A | 04-Apr-15 A | |
| **Mechanical Chambers work** | | 5d | | 15-Mar-15 A | 18-Apr-15 A | |
| **Welding flanges** | | 5d | | 15-Mar-15 A | 18-Apr-15 A | |
| NHT2210-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+250 | 1d | 100% | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2220-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia. 50 mm) @A7+410-B0+500 | 1d | 100% | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2200-MECH | Welding flanges for Gate Valve chamber (50mm, PN16, pipeline Dia.50 mm) @A7+410-B0+030 | 1d | 100% | 15-Mar-15 A | 15-Mar-15 A | |
| NHT2250-MECH | Welding flanges for ARV chamber (50mm, PN16, pipeline Dia.150 mm) @A7+410-B0+900 | 1d | 100% | 18-Apr-15 A | 18-Apr-15 A | |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Phase Seven Hussan Distribution pipes** | | 48d | | 08-Mar-15 A | 29-May-15 | -20d |
| **Safety and Pipe Installation** | | 41d | | 08-Mar-15 A | 29-May-15 | -18d |
| NHT3310 | Maintain traffic control and safety plan ,coordination for relocation utilities and others | 41d | 39.02% | 08-Mar-15 A | 29-May-15 | -18d |
| NHT3320 | Trench excavation for 100mm main pipeline with 50 mm at Hussan village length approx. (605 LM) | 7d | 100% | 09-Mar-15 A | 21-Mar-15 A | |
| NHT3340 | Backfill the pipe trench with (single size aggregate) to the required level | 7d | 100% | 10-Mar-15 A | 21-Mar-15 A | |
| NHT3330 | Bedding (crushed stone) and install the above main and distribution Steel pipes with welding inspection (605LM) | 7d | 100% | 10-Mar-15 A | 21-Mar-15 A | |
| **Civil Chamber work for Distribution pipeline** | | 11d | | 16-Mar-15 A | 17-Mar-15 A | |
| NHT3510-new | Construct combined Valve chamber@Side road A5+900-H0+020 ARV,GV,GV (100,50,50mm-PN16, pipeline Dia.100,50,50 m | 10d | 100% | 16-Mar-15 A | 16-Mar-15 A | |
| NHT3515-new | Construct combined Valve chamber @ Side road A5+900-H0+340 ARV,GV,GV (100,50,50mm-PN16, pipeline Dia.100,50 mm | 10d | 100% | 17-Mar-15 A | 17-Mar-15 A | |
| **Testing** | | 0d | | | | 0d |
| **Retaining Walls** | | 0d | | | | 0d |
| **Asphalt** | | 0d | | | | 0d |
| **Mechanical Chambers work** | | 0d | | | | 0d |
| **Welding flanges** | | 0d | | | | 0d |
| **Mechanical fittings installation** | | 0d | | | | 0d |
| **Final Mechanical connection** | | 0d | | | | 0d |
| **Mechanical** | | 0d | | | | 0d |




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



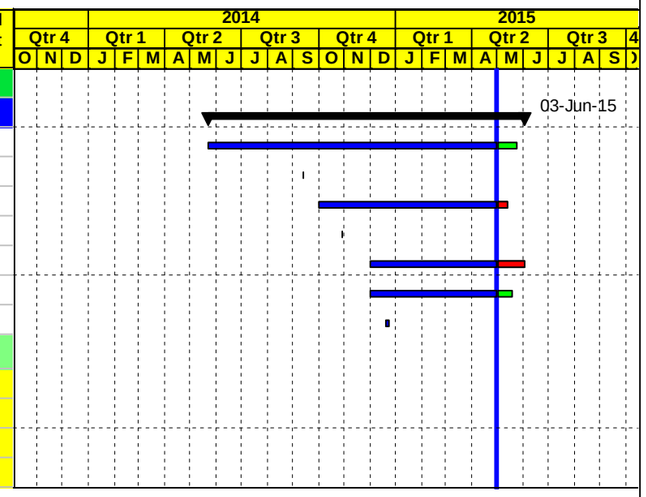
| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

APCO ArCon
CONSTRUCTION AND SERVICES

# Construction Program
## Completed & In Progress Activities

# TO.15
## Nahaleen Main Pipeline Project

| Activity ID | Activity Name | Original Duration | Activity % Complete | Start | Finish | Total Float |
|---|---|---|---|---|---|---|
| Final Disinfection and Pressure Testing | | 0d | | | | 0d |
| Miscellaneous and Road Finishing work for SEG. A , B, C & E | | 310d | | 24-May-14 A | 03-Jun-15 | -5d |
| NHT2804 | Construct stone walls | 100d | 80% | 24-May-14 A | 24-May-15 | 5d |
| NHT4950-new | Installation Guardrails from Sta.A 2+470 to Sta.A 3+070 @ LHS | 1d | 100% | 14-Sep-14 A | 14-Sep-14 A | |
| NHT3415. | House connection | 120d | 90% | 01-Oct-14 A | 14-May-15 | -5d |
| NHT4955-new | Installation Guardrail for road From Sta.A 3+100 to Sta.A 3+250 @ LHS. | 1d | 100% | 29-Oct-14 A | 29-Oct-14 A | |
| NHT4951-new | Trench Excavation & Backfilling for the Electric high Voltage Cable (40cm*40) | 50d | 40% | 01-Dec-14 A | 03-Jun-15 | -5d |
| NHT4900. | Construct concrete ditch and protection | 80d | 80% | 02-Dec-14 A | 19-May-15 | 9d |
| NHT4710 | B.C 20 cm Detours | 6d | 100% | 20-Dec-14 A | 25-Dec-14 A | |
| Post Construction Phase | | 0d | | | | 0d |
| Post Submittals | | 0d | | | | 0d |
| Start up, Training and commissioning | | 0d | | | | 0d |
| Demobilization | | 0d | | | | 0d |
| Post Construction activities | | 0d | | | | 0d |




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



| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03-May-15 | | | |

# C | Progress S-Curve Versus Actual

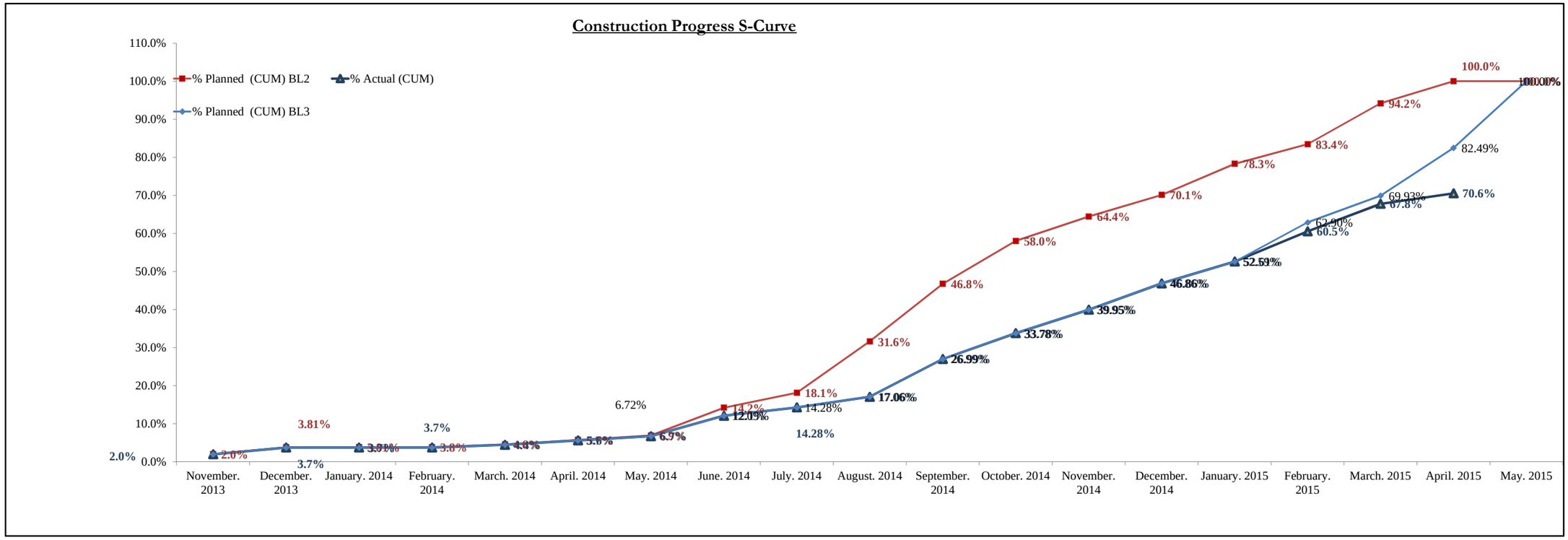
APCO/ArCon
CONSTRUCTION AND SERVICES

# Construction Progress S-Curve

| | | |
|---|---|---|
| **Total Contract Value** | **$** | **12,214,885** |
| **Total Contract Value ( Day Work Not Included):** | **$** | **11,614,885** |
| **Total Contract Value (VO1-BL3):** | **$** | **11,891,556.7** |
| **Project Duration :** | **540 Calender Days** | |
| **Time Extension** | **30 Calender Days** | |
| **Revised Project Duration :** | **570 Calender Days** | |
| **NTP Date:** | **7-Nov-13** | |

*** Day Work Not Included**

| | November. 2013 | December. 2013 | January. 2014 | February. 2014 | March. 2014 | April. 2014 | May. 2014 | June. 2014 | July. 2014 | August. 2014 | September. 2014 | October. 2014 | November. 2014 | December. 2014 | January. 2015 | February. 2015 | March. 2015 | April. 2015 | May. 2015 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planned Value (Baseline2) | $ 231,915 | $ 210,557 | | $ 2,395 | $ 84,283 | $ 136,932 | $ 132,560 | $ 849,461 | $ 456,984 | $ 1,566,051 | $ 1,759,895 | $ 1,307,745 | $ 743,353 | $ 662,285 | $ 948,680 | $ 597,896 | $ 1,248,911 | $ 674,982 | | $11,614,885 |
| Planned Value (CUM) | $ 231,915 | $ 442,472 | $ 442,472 | $ 444,867 | $ 529,150 | $ 666,082 | $ 798,642 | $ 1,648,103 | $ 2,105,087 | $ 3,671,138 | $ 5,431,033 | $ 6,738,778 | $ 7,482,131 | $ 8,144,416 | $ 9,093,096 | $ 9,690,992 | $ 10,939,903 | $ 11,614,885 | $ 11,614,885 | |
| % Planned | 2.0% | 1.8% | 0.00% | 0.0% | 0.7% | 1.2% | 1.1% | 7.3% | 3.9% | 13.5% | 15.2% | 11.3% | 6.4% | 5.7% | 8.2% | 5.1% | 10.8% | 5.8% | 0.0% | **100%** |
| % Planned (CUM) BL2 | 2.0% | 3.81% | 3.81% | 3.8% | 4.6% | 5.7% | 6.9% | 14.2% | 18.1% | 31.6% | 46.8% | 58.0% | 64.4% | 70.1% | 78.3% | 83.4% | 94.2% | 100.0% | 100.0% | |
| Planned Value (Baseline3) | $ 231,915 | $ 210,557 | | $ 2,395 | $ 84,283 | $ 136,932 | $ 132,560 | $ 638,960 | $ 260,692 | $ 329,978 | $ 1,181,095 | $ 807,479 | $ 734,086 | $ 821,060 | $ 681,573 | $ 1,226,301 | $ 835,386 | $ 1,494,320 | $ 2,081,985 | **$ 11,891,557** |
| Planned Value (CUM) | $ 231,915 | $ 442,472 | $ 442,472 | $ 444,867 | $ 529,150 | $ 666,082 | $ 798,642 | $ 1,437,602 | $ 1,698,294 | $ 2,028,272 | $ 3,209,367 | $ 4,016,846 | $ 4,750,932 | $ 5,571,992 | $ 6,253,565 | $ 7,479,866 | $ 8,315,252 | $ 9,809,572 | $ 11,891,557 | |
| % Planned | 2.0% | 1.8% | 0.0% | 0.0% | 0.7% | 1.2% | 1.1% | 5.4% | 2.2% | 2.8% | 9.9% | 6.8% | 6.2% | 6.9% | 5.7% | 10.3% | 7.0% | 12.6% | 17.5% | **100.00%** |
| % Planned (CUM) BL3 | 1.95% | 3.72% | 3.72% | 3.74% | 4.45% | 5.60% | 6.72% | 12.09% | 14.28% | 17.06% | 26.99% | 33.78% | 39.95% | 46.86% | 52.59% | 62.90% | 69.93% | 82.49% | 100.00% | |
| Actual Value | $ 231,915 | $ 210,557 | | $ 2,395 | $ 84,283 | $ 136,932 | $ 132,560 | $ 638,960 | $ 260,692 | $ 329,978 | $ 1,181,095 | $ 807,479 | $ 734,086 | $ 821,060 | $ 683,827 | $ 943,477 | $ 861,941 | $ 328,351 | | **$ 8,389,588** |
| Actual Value (CUM) | $ 231,915 | $ 442,472 | $ 442,472 | $ 444,867 | $ 529,150 | $ 666,082 | $ 798,642 | $ 1,437,602 | $ 1,698,294 | $ 2,028,272 | $ 3,209,367 | $ 4,016,846 | $ 4,750,932 | $ 5,571,992 | $ 6,255,819 | $ 7,199,296 | $ 8,061,237 | $ 8,389,588 | | |
| % Actual | 2.0% | 1.8% | 0.0% | 0.0% | 0.7% | 1.2% | 1.1% | 5.4% | 2.2% | 2.8% | 9.9% | 6.8% | 6.2% | 6.9% | 5.8% | 7.9% | 7.2% | 2.8% | | **70.6%** |
| % Actual (CUM) | 2.0% | 3.7% | 3.7% | 3.7% | 4.4% | 5.6% | 6.7% | 12.1% | 14.28% | 17.06% | 26.99% | 33.78% | 39.95% | 46.86% | 52.61% | 60.5% | 67.8% | 70.6% | | |



# 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) | Remarks |
| | SM-13-00015-NHT-E-C-001 | Walkthrough of Nahaleen Pipeline Project | NHT | 01/02/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-002 | Response to SM-13-00015-NHT-C-E-001 | NHT | 01/08/14 | Other |
| | SM-13-00015-NHT-E-C-003 | Revised Drawing (Plan and Profile ) from Sta.A0+000 to Sta.A1+400 | NHT | 02/03/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-004 | Revised Drawing from Sta.B0+000 to Sta.0+983 | NHT | 02/11/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-005 | 50 mm Distribution Pipeline Extension | NHT | 02/26/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-006 | Revise Typical Section from Sta.A3+320 to Sta.A5+720 | NHT | 03/04/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-007 | Existing Street Lighting Poles' Condition | NHT | 03/25/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-008 | Construction of Stone Walls at Segment A from Sta.A0+000 to Sta.1+400 | NHT | 04/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-009 | Stone Walls and Boundary Walls at Segment B | NHT | 04/17/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-010 | Existing Stone Wall from Sta.A0+480 to Sta.A1+430 | NHT | 04/20/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-011 | Internal Network Distribution Pipes | NHT | 05/04/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-012 | Joint Walkthrough at Segment C,E and A from Sta.A1+400 to Sta.A3+200 | NHT | 05/05/14 | Record of Joint Walkthrough |
| | SM-13-00015-NHT-E-C-013 | Steel Pipes' End Caps | NHT | 05/05/14 | Record of Unsatisfactory Work Practice |
| | SM-13-00015-NHT-E-C-014 | Slow Rate of Progress and Project Delays | NHT | 05/12/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-015 | Response to SM-13-00015-NHT-C-E-002 | NHT | 05/13/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-016 | Box Culvert at Sta.A0+951.6 | NHT | 05/28/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-017 | Stone Wall Mockup Sample | NHT | 06/03/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-018 | Utilizing plastic bags in replacement of per-cast Jersey Barriers | NHT | 06/17/14 | Record of Unsafe Condition |
| | SM-13-00015-NHT-E-C-019 | Damages to Existing Stone Walls | NHT | 06/17/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-020 | Installation of 4" future ducts from Sta.A5+390 to Sta.A5+440 | NHT | 06/29/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-021 | Replacement of Unsuitable Sub Grade Material | NHT | 07/02/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-022 | Pipes storing and end caps | NHT | 07/16/14 | Record of Unsatisfactory Work Practice |
| | SM-13-00015-NHT-E-C-023 | Construction of stone walls | NHT | 07/22/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-024 | Installation of 6" Future Ducts from Sta.A0+000 to Sta.A1+400 | NHT | 08/05/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-025 | 50 mm Distribution Pipeline Extension | NHT | 08/05/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-026 | Excavation and backfilling works for the high tension underground cable | NHT | 08/25/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-027 | Response to SM-13-00015-NHT-C-E-005 | NHT | 08/25/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-028 | RT result and welding quality | NHT | 09/09/14 | Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-029 | Concrete finish quality of step barriers at segment A | NHT | 09/09/14 | Site Instruction & Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-030 | Washing of trees at segment A | NHT | 09/10/14 | Site Instruction |

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| SUBMITTAL | | | | TRACKING DATES | |
|---|---|---|---|---|---|
| Spec. No. | Submittal No | Subject | Project | Submitted on (M/D/Y) | Remarks |
| | SM-13-00015-NHT-E-C-031 | Stockpiling area at Sta.A 0+400 at RHS. | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-032 | Land restoration | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-033 | Detour road at Sta.A 0+600 to Sta.A 0+950 | NHT | 09/10/14 | Site Instruction & Record of Unsafe Condition |
| | SM-13-00015-NHT-E-C-034 | Pipe culvert at Sta.A 1+360 | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-035 | Trench reinstatement at segment A | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-036 | Simple access road at segment A | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-037 | Corrosion protection | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-038 | Topping layer at segment A | NHT | 09/10/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-039 | Simple access road at segment A and B | NHT | 09/22/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-040 | Septic tank within ROW | NHT | 09/23/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-041 | response to site memo( SM-13-00015-NHT-C-E-009) | NHT | 09/25/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-042 | Locations, quantities, pressure rating and reference details for all chambers | NHT | 09/29/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-043 | Quality of base course material at segment A | NHT | 09/30/14 | Site Instruction &Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-044 | Excavation and backfilling works for the high tension underground cable | NHT | 10/27/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-045 | Shop drawing of Husan road | NHT | 10/27/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-046 | Existing 3 inch pipeline from Sta.A 6+200 to Sta.A 6+800 | NHT | 10/27/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-047 | About Plan and profile for road for segment B from Sta.B 0+670 to Sta.B 0+980 | NHT | 11/04/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-048 | Response to SM-13-00015-NHT-C-E-011(Unsuitable subgrade material at Sta.A 6+460 to Sta.A 6+760.) | NHT | 11/11/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-049 | Response to SM-13-00015-NHT-C-E-012(Unsuitable subgrade material from Sta.B 0+680 to Sta.B 0+980) | NHT | 11/11/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-050 | Topping layer at segment E from Sta. E0+160 to Sta. E0+240 | NHT | 11/19/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-051 | Installation of catch basins at segment B from Sta. B0+720 to Sta. B0+983 | NHT | 12/02/14 | Site Instruction |
| | SM-13-00015-NHT-E-C-052 | Environmental Check Lists | NHT | 01/12/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-053 | Concrete Encasement for Pipelines from Sta.E0+540 to Sta.E1+000 | NHT | 01/12/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-054 | Construction of Retaining Walls at Segment B | NHT | 01/13/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-055 | Detour Road at Sta. A3+150 | NHT | 01/15/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-056 | Damages to public property at segment C | NHT | 01/19/15 | Site Instruction |

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| SUBMITTAL | | | | TRACKING DATES | |
|---|---|---|---|---|---|
| Spec. No. | Submittal No | Subject | Project | Submitted on (M/D/Y) | Remarks |
| | SM-13-00015-NHT-E-C-057 | Quality of Concrete Storm Pipes | NHT | 01/22/15 | Site Instruction / Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-058 | Construction of Retaining Walls at Battir Road | NHT | 01/22/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-059 | Storm water precast manholes covers | NHT | 01/25/15 | Site Instruction / Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-060 | Unacceptable quality of installed storm drainage pipeline from Sta. A6+220 to Sta. A6+256 | NHT | 02/02/15 | Site Instruction / Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-061 | Unacceptable manhole covers and installation | NHT | 02/02/15 | Site Instruction / Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-062 | Construction work at Nahaleen village maim road | NHT | 02/02/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-063 | Response to SM-13-00015-NHT-C-E-015(PAL TEL cable fiber and manholes from Sta. A3+300 to Sta. A5+800 and from Sta. E1+000 to Sta. E1+360) | NHT | 02/02/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-064 | Response to SM-13-00015-NHT-C-E-016(Asphalt wearing layer from Sta. A3+800 to Sta. A5+800 (leveling course locations) | NHT | 02/02/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-065 | Damages to telecommunication pipeline | NHT | 02/03/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-066 | Asphalt Overlay for the road segment from Sta. A3+300 to Sta. A5+700 | NHT | 02/04/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-067 | Changes in gate valves | NHT | 02/19/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-068 | Recycling of existing asphalt material | NHT | 03/01/15 | Site Instruction / Record of Unsatisfactory Work Practice |
| | SM-13-00015-NHT-E-C-069 | Nahaleen connection chamber | NHT | 03/02/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-070 | Damages to existing water pipeline at segment A | NHT | 03/02/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-071 | Installation of curbstone from Sta. A6+800 to Sta. A7+000 at RHS | NHT | 03/05/15 | Site Instruction / Record of Non Quality Compliance |
| | SM-13-00015-NHT-E-C-072 | Construction of concrete wall at Segment A | NHT | 03/08/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-073 | Response to SM-13-00015-NHT-C-E-020 (Structure and mechanical details for Nahaleen connection chamber) | NHT | 03/10/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-074 | Revised plan and typical section at segment A from Sta. 5+800 to Sta. A6+210 and Hussan rural road | NHT | 03/10/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-075 | Revised plan for Battir intersection | NHT | 03/12/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-076 | Construction of concrete wall protection at segment A | NHT | 03/12/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-077 | Replacement of unsuitable subgrade material at segment E | NHT | 03/18/15 | Record of Verbal Site Instruction |
| | SM-13-00015-NHT-E-C-078 | Damages to the Existing Sidewalks at Battir Main Road | NHT | 03/24/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-079 | Construction of Concrete Walls | NHT | 04/06/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-080 | Scope of work at Hussan entrance road | NHT | 04/15/15 | Site Instruction |

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| SUBMITTAL | | | | TRACKING DATES | |
|---|---|---|---|---|---|
| Spec. No. | Submittal No | Subject | Project | Submitted on (M/D/Y) | Remarks |
| | SM-13-00015-NHT-E-C-081 | Proposed 8 inch shutoff valve | NHT | 04/16/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-082 | Construction of concrete walls | NHT | 04/19/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-083 | Proposed galvanized steel handrail | NHT | 04/20/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-084 | Delay in the asphalting work at Nahaleen village center area | NHT | 04/23/15 | Site Instruction / Other |
| | SM-13-00015-NHT-E-C-085 | Replacement of unsuitable subgrade material at segment A | NHT | 04/27/15 | Site Instruction |
| | SM-13-00015-NHT-E-C-086 | Asphalt Overlay for Battir Main Road | NHT | 04/29/15 | Record of Unsatisfactory Work Practice |
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| SUBMITTAL | | | | TRACKING DATES | |
|---|---|---|---|---|---|
| Spec. No. | Submittal No | Subject | Project | Submitted on (M/D/Y) | Remarks |
| | SM-13-00015-NHT-C-E-001 | Walkthrough of Nahaleen Pipeline Project | NHT | 01/05/14 | Other |
| | SM-13-00015-NHT-C-E-002 | Revised Drawings from Sta.B0+000 to Sta.B0+983 | NHT | 05/04/14 | Other |
| | SM-13-00015-NHT-C-E-003 | Correction action regard Site Memo # SM-13-00015-NHT-E-C-013 | NHT | 05/11/14 | Other |
| | SM-13-00015-NHT-C-E-004 | Confirmation of verbal site instruction(Additional Road Widening RHS from sta.3+300 to sta.3+700) | NHT | 06/16/14 | Record of verbal Site Instruction |
| | SM-13-00015-NHT-C-E-005 | Unsuitable subgrade material from Sta.B 0+200 to Sta.B 0+400 | NHT | 08/21/14 | Other |
| | SM-13-00015-NHT-C-E-006 | Notification to stop work from (Civil Administration of Judea and Samaria) Supreme regulation Council | NHT | 08/25/14 | Other |
| | SM-13-00015-NHT-C-E-007 | Response to SM-13-00015-NHT-E-C-029 (Concrete finish quality of step barriers at segment A.) | NHT | 09/10/14 | Other |
| | SM-13-00015-NHT-C-E-008 | Response to SM-13-00015-NHT-E-C-028 (RT result and welding quality) | NHT | 09/10/14 | Other |
| | SM-13-00015-NHT-C-E-009 | Unsuitable Subgrade materials from Sta.B 0+400 to St.B0+680 | NHT | 09/18/14 | Other |
| | SM-13-00015-NHT-C-E-010 | Response to SM-13-00015-NHT-E-C-045 (Shop drawing of Husan road) | NHT | 10/29/14 | Other |
| | SM-13-00015-NHT-C-E-011 | Unsuitable subgrade material at Sta.A 6+460 to Sta.A 6+760 | NHT | 11/09/14 | Other |
| | SM-13-00015-NHT-C-E-012 | Unsuitable subgrade material from Sta.B 0+680 to Sta.B 0+980 | NHT | 11/10/14 | Other |
| | SM-13-00015-NHT-C-E-013 | Confirmation of verbal Site Instruction | NHT | 12/02/14 | Record of verbal Site Instruction |
| | SM-13-00015-NHT-C-E-014 | Confirmation of verbal site instruction (Stone walls from Sta. B 0+020 to Sta. 0+180) | NHT | 12/10/14 | Record of verbal Site Instruction |
| | SM-13-00015-NHT-C-E-015 | PALTEL cable fiber and manholes from Sta. A3+300 to Sta. A5+800 and from Sta. E1+000 to Sta. E1+360 | NHT | 02/02/15 | Other |
| | SM-13-00015-NHT-C-E-016 | Asphalt wearing layer from Sta. A3+800 to Sta. A5+800 (leveling course locations) | NHT | 02/02/15 | Other |
| | SM-13-00015-NHT-C-E-017 | Response to SM-13-00015-NHT-E-C-065 (Damages to telecommunication pipeline) | NHT | 02/03/15 | Other |
| | SM-13-00015-NHT-C-E-018 | Additional concrete works in Seg. A, B and E | NHT | 02/05/15 | Other |
| | SM-13-00015-NHT-C-E-019 | Asphalt leveling course for the milled area from Sta. A3+800 to Sta. A5+800 | NHT | 02/10/15 | Other |
| | SM-13-00015-NHT-C-E-020 | Structure and mechanical details for Nahaleen connection chamber as per(SM# E-C-069) | NHT | 03/04/15 | Other |
| | SM-13-00015-NHT-C-E-021 | Response to SM-13-00015-NHT-E-C-070( damages to Existing water pipe line at segment A ) | NHT | 03/05/15 | Other |
| | SM-13-00015-NHT-C-E-022 | Response to SM-13-00015-NHT-E-C-068( Recycling of Existing asphalt Material ) | NHT | 03/15/15 | Other |

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**Site Memo Log (C-E)**

| SUBMITTAL | | | | TRACKING DATES | |
|---|---|---|---|---|---|
| Spec. No. | Submittal No | Subject | Project | Submitted on (M/D/Y) | Remarks |
| | SM-13-00015-NHT-C-E-023 | Response to SM-13-00015-NHT-E-C-060 (Storm Drainage from Sta.6+220 to Sta.6+256) | NHT | 03/17/15 | Record of Non Quality Compliance |
| | SM-13-00015-NHT-C-E-024 | Confirm Location of concrete walls at Segment As per ( Bi Weekly Progress Meeting #020) | NHT | 03/23/15 | Record of Joint Walkthrough / Other |
| | SM-13-00015-NHT-C-E-025 | Slow rate of progress by Jerusalem District Electric Company (JDECO) works at Nahaleen project. | NHT | 04/05/15 | Other |
| | SM-13-00015-NHT-C-E-026 | Trensh restoration for Battir water pipeline trench restoration using concrete B250 | NHT | 04/23/15 | Other |
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# E | Inspection Requests Log

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

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

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| SUBMITTAL | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | Submitted on (M/D/Y) | Date Inspection Required | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | IR-13-00015-NHT-018-A | Formwork for stem prior cast concrete (LHS) retaining wall from Sta.E 1+100 to Sta.E 1+116 | 04/17/14 | 04/19/14 | 04/20/14 | 1 | A |
| | IR-13-00015-NHT-019-A | Excavation and leveling under stone from Sta.B 0+160 to Sta.B 0+200 | 04/17/14 | 04/19/14 | 04/20/14 | 1 | A |
| | IR-13-00015-NHT-020-A | Mockup of stone wall from Sta.B 0+187 to Sta.B 0+190 at RHS | 04/21/14 | 04/21/14 | 04/22/14 | 1 | C |
| | IR-13-00015-NHT-020-B | Mockup of stone wall from Sta.B 0+187 to Sta.B 0+190 at RHS | 11/15/14 | 11/15/14 | 11/15/14 | 0 | A |
| | IR-13-00015-NHT-021-A | Formwork and reinforcement steel for foundation prior cast concrete from Sta.A 0+130.92 to Sta.A 1+144.19 at RHS | 04/21/14 | 04/21/14 | 04/22/14 | 1 | A |
| | IR-13-00015-NHT-022-A | Formwork and reinforcement steel for foundation prior cast concrete from Sta.A 0+125 to Sta.A 0+130.92 at RHS | 04/23/14 | 04/23/14 | 04/24/14 | 1 | A |
| | IR-13-00015-NHT-023-A | Reinforcement steel for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 | 04/24/14 | 04/24/14 | 04/24/14 | 0 | C |
| | IR-13-00015-NHT-023-B | Reinforcement steel for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 | 04/27/14 | 04/27/14 | 04/27/14 | 0 | A |
| | IR-13-00015-NHT-024-A | Bottom level for benching from Sta.A 0+230 to Sta.A 0+370 at RHS | 04/24/14 | 04/26/14 | 04/27/14 | 1 | A |
| | IR-13-00015-NHT-025-A | Formwork for Stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS | 04/24/14 | 04/26/14 | 04/27/14 | 1 | A |
| | IR-13-00015-NHT-026-A | Reinforcement steel for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS | 04/27/14 | 04/27/14 | 04/27/14 | 0 | A |
| | IR-13-00015-NHT-027-A | Final formwork for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS | 04/27/14 | 04/28/14 | 04/29/14 | 1 | C |
| | IR-13-00015-NHT-027-B | Final formwork for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS | 04/29/14 | 04/29/14 | 04/29/14 | 0 | A |
| | IR-13-00015-NHT-028-A | Cast concrete for stem of retaining wall from Sta.A 0+168.77 to Sta.A 0+194.84 at RHS | 04/27/14 | 04/28/14 | 04/29/14 | 1 | A |
| | IR-13-00015-NHT-029-A | first layer of benching from Sta.A 0+240 to Sta.A 0+340 at RHS | 04/28/14 | 04/29/14 | 04/30/14 | 1 | A |
| | IR-13-00015-NHT-030-A | Levels and alignment of stone wall protection from Sta.A 0+480 to Sta.A 0+574 at LHS | 04/28/14 | 04/30/14 | 04/30/14 | 0 | A |
| | IR-13-00015-NHT-031-A | First layer of Bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS | 04/29/14 | 05/03/14 | 05/05/14 | 2 | C |
| | IR-13-00015-NHT-031-B | First layer of Bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS | 05/08/14 | 05/08/14 | 05/08/14 | 0 | A |
| | IR-13-00015-NHT-032-A | Second layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS | 04/29/14 | 04/30/14 | 04/30/14 | 0 | A |
| | IR-13-00015-NHT-033-A | Reinforcement steel fro stem of retaining wall from Sta.A 0+125 to Sta.A 0+130 at RHS | 04/30/14 | 04/30/14 | 04/30/14 | 0 | A |

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| | IR-13-00015-NHT-034-A | Rubble concrete under stone wall protection from Sta.A 0+550 to Sta.A 0+572 at LHS | 04/30/14 | 04/30/14 | 04/30/14 | 0 | A |
| | IR-13-00015-NHT-035-A | Third layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS | 04/30/14 | 05/01/14 | 05/04/14 | 3 | A |
| | IR-13-00015-NHT-036-A | Final formwork for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS | 04/30/14 | 05/03/14 | 05/04/14 | 1 | A |
| | IR-13-00015-NHT-037-A | Cast concrete for stem of retaining wall from Sta.A 0+144.19 to Sta.A 0+156.95 at RHS | 04/30/14 | 05/03/14 | 05/04/14 | 1 | A |
| | IR-13-00015-NHT-038-A | (756.40) LM of 10 inch steel pipes with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and2 mm external PE layer and (11.5) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and external epoxy coated( 63) piece of 10 inch shrinkable sheet with (CPS) | 05/01/14 | 05/04/14 | 05/04/14 | 0 | C |
| | IR-13-00015-NHT-038-B | (756.40) LM of 10 inch steel pipes with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and2 mm external PE layer and (11.5) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness , 4.5 mm min cement lining and external epoxy coated( 63) piece of 10 inch shrinkable sheet with (CPS) | 06/07/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-039-A | Reinforcement steel for stem of retaining wall from Sta.A 0+194.84 to Sta.A 0+205.65 at RHS | 05/03/14 | 05/04/14 | 05/05/14 | 1 | A |
| | IR-13-00015-NHT-040-A | Final formwork for stem of retaining wall from Sta.A 0+194.84 to Sta.A 0+205.65 at RHS | 05/03/14 | 05/04/14 | 05/05/14 | 1 | A |
| | IR-13-00015-NHT-041-A | Final formwork for stem of retaining wall from Sta.A 0+125 to Sta.A 0+130.92 at RHS | 05/03/14 | 05/04/14 | 05/05/14 | 1 | A |
| | IR-13-00015-NHT-042-A | Cast concrete for stem of retaining wall from Sta.A 0+125 to Sta.A 0+130.92 at RHS | 05/03/14 | 05/05/14 | 05/05/14 | 0 | A |
| | IR-13-00015-NHT-043-A | Cast concrete for stem of retaining wall from Sta.A 0+194.84 .to Sta.A 0+205.65 at RHS | 05/03/14 | 05/05/14 | 05/05/14 | 0 | A |
| | IR-13-00015-NHT-044-A | Fourth layer of benching from Sta.A 0+240 .to Sta.A 0+360 at RHS | 05/04/14 | 05/05/14 | 05/05/14 | 0 | A |
| | IR-13-00015-NHT-045-A | Reinforcement steel for one side shutter for stone wall concrete protection from Sta.A 0+488 to Sta.A 0+574.10 at LHS | 05/06/14 | 05/07/14 | 05/08/14 | 1 | A |
| | IR-13-00015-NHT-046-A | Reinforcement steel for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS | 05/06/14 | 05/07/14 | 05/08/14 | 1 | A |
| | IR-13-00015-NHT-047-A | Reinforcement steel for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS | 05/06/14 | 05/07/14 | 05/08/14 | 1 | A |

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| | IR-13-00015-NHT-048-A | Final formwork for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS | 05/11/14 | 05/11/14 | 05/12/14 | 1 | A |
| | IR-13-00015-NHT-049-A | Final formwork for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS | 05/11/14 | 05/11/14 | 05/12/14 | 1 | A |
| | IR-13-00015-NHT-050-A | Second layer of bitumen protective coating for foundation and inner face for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS | 05/11/14 | 05/11/14 | 05/11/14 | 0 | A |
| | IR-13-00015-NHT-051-A | Casting concrete for stem of retaining wall from Sta.A 0+156.95 to Sta.A 0+168.77 at RHS | 05/12/14 | 05/13/14 | 05/14/14 | 1 | A |
| | IR-13-00015-NHT-052-A | Casting concrete for stem of retaining wall from Sta.A 0+130.92 to Sta.A 0+144.19 at RHS | 05/12/14 | 05/13/14 | 05/14/14 | 1 | A |
| | IR-13-00015-NHT-053-A | Final formwork for one side shutter of concrete protection up to 60 cm high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS | 05/12/14 | 05/13/14 | 05/14/14 | 1 | A |
| | IR-13-00015-NHT-054-A | Casting concrete for one side shutter of concrete protection up to 60 cm high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS | 05/12/14 | 05/13/14 | 05/14/14 | 1 | A |
| | IR-13-00015-NHT-055-A | Final formwork for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS | 05/13/14 | 05/14/14 | 05/15/14 | 1 | A |
| | IR-13-00015-NHT-056-A | Final formwork for one side shutter of concrete protection up to 60 m high from Sta.A 0+566 to Sta.A 0+576 at LHS | 05/13/14 | 05/14/14 | 05/15/14 | 1 | A |
| | IR-13-00015-NHT-057-A | Cast concrete for one side shutter of concrete protection up to 60 m high from Sta.A 0+566 to Sta.A 0+576 at LHS | 05/13/14 | 05/14/14 | 05/15/14 | 1 | A |
| | IR-13-00015-NHT-058-A | Cast concrete for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+488.5 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS | 05/13/14 | 05/14/14 | 05/15/14 | 1 | A |
| | IR-13-00015-NHT-059-A | Checking the levels and degree of compaction for the 5 the filling layer in the site area from Sta.A 0+240 to Sta.A 0+360 at RHS | 05/14/14 | 05/14/14 | 05/15/14 | 1 | A |
| | IR-13-00015-NHT-060-A | Final formwork for one side shutter of concrete protection up to 1.8 m high from Sta.A 0+484.00 to Sta.A 0+494.00 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS | 05/15/14 | 05/17/14 | 05/18/14 | 1 | A |
| | IR-13-00015-NHT-061-A | Final formwork for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574.30 at LHS | 05/15/14 | 05/17/14 | 05/18/14 | 1 | A |

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| | IR-13-00015-NHT-062-A | Cast concrete for one side shutter of concrete protection up to 1.8 m high from Sta.A 0+484.00 to Sta.A 0+494.00 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS | 05/15/14 | 05/17/14 | 05/18/14 | 1 | A |
| | IR-13-00015-NHT-063-A | Cast concrete for one side shutter of concrete protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574.30 at LHS | 05/15/14 | 05/17/14 | 05/18/14 | 1 | A |
| | IR-13-00015-NHT-064-A | Final formwork for one side shutter for wall protection up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/17/14 | 05/17/14 | 05/18/14 | 1 | A |
| | IR-13-00015-NHT-065-A | Cast concrete for one side shutter for wall protection up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/17/14 | 05/17/14 | 05/18/14 | 1 | A |
| | IR-13-00015-NHT-066-A | Excavation and leveling under one side shutter for wall protection from Sta.A 0+614 to Sta.A 0+684 at LHS | 05/18/14 | 05/18/14 | 05/19/14 | 1 | A |
| | IR-13-00015-NHT-067-A | Final form work for one side shutter of wall protection up to 1.2 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS and up to 0.6 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/18/14 | 05/18/14 | 05/19/14 | 1 | A |
| | IR-13-00015-NHT-068-A | Cast concrete for one side shutter of wall protection up to 1.2 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 at LHS and up to 0.6 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/18/14 | 05/18/14 | 05/19/14 | 1 | A |
| | IR-13-00015-NHT-069-A | Final formwork for one side shutter of wall protection up to 1.8 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS,up to 3 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS,up to 1.2 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/18/14 | 05/19/14 | 05/20/14 | 1 | A |
| | IR-13-00015-NHT-070-A | Cast concrete for one side shutter of wall protection up to 1.8 m high from Sta.A 0+560 to Sta.A 0+574.30 at LHS, up to 3 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS,up to 1.2 m high from Sta.A 0+546.5 to Sta.A 0+554 at LHS | 05/18/14 | 05/19/14 | 05/20/14 | 1 | A |
| | IR-13-00015-NHT-071-A | First layer of Bitumen protective coat for internal face of retaining wall from Sta.A 0+125 to Sta.A 0+205 at RHS | 05/18/14 | 05/19/14 | 05/20/14 | 1 | A |

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

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| | IR-13-00015-NHT-081-A | Cast concrete for one side shutter of stone wall protection up to 60 cm from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS &Up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/22/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-082-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS | 05/22/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-083-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS | 05/22/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-084-A | Alignment of water pipe line from Sta.D 0+000 to Sta.D 0+512 | 05/24/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-085-A | Alignment of water pipe line from Sta.A 3+850 to Sta.A 4+200 | 05/26/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-086-A | Start excavation for concrete support under water pipeline from Sta.D 0+000 to Sta.D 0+512 | 05/24/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-087-A | Start construct stone wall from Sta.A 0+560 to Sta.A 0+580 at RHS | 05/24/14 | 05/24/14 | 05/25/14 | 1 | A |
| | IR-13-00015-NHT-088-A | Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS | 05/24/14 | 05/25/14 | 05/25/14 | 0 | A |
| | IR-13-00015-NHT-089-A | Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS | 05/24/14 | 05/25/14 | 05/25/14 | 0 | A |
| | IR-13-00015-NHT-090-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 m high from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS | 05/24/14 | 05/25/14 | 05/25/14 | 0 | A |
| | IR-13-00015-NHT-091-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 m high from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS | 05/24/14 | 05/25/14 | 05/25/14 | 0 | A |
| | IR-13-00015-NHT-092-A | Start Trench excavation from Sta.A 3+850 to Sta.A 4+150 | 05/25/14 | 05/26/14 | 05/27/14 | 1 | A |
| | IR-13-00015-NHT-093-A | Excavation and leveling foundation of one side shutter for stone wall protection from Sta.A 0+700 to Sta.A 0+772.5 at LHS | 05/25/14 | 05/25/14 | 05/26/14 | 1 | C |
| | IR-13-00015-NHT-093-B | Excavation and leveling foundation of one side shutter for stone wall protection from Sta.A 0+700 to Sta.A 0+772.5 at LHS | 05/27/14 | 05/28/14 | 05/28/14 | 0 | A |
| | IR-13-00015-NHT-094-A | Cast blinding concrete under concrete support for water pipeline from Sta.D 0+000 to Sta.D 0+512 | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |

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| | IR-13-00015-NHT-095-A | First layer of backfilling for internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205 | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-096-A | Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS,up to2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-097-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS,up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-098-A | Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS, up to 60 cm from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-099-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS, up to 60 cm high from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/25/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-100-A | Reinforcement steel for stone wall protection from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/26/14 | 05/26/14 | 05/26/14 | 0 | A |
| | IR-13-00015-NHT-101-A | Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+494 to Sta.A 0+504 at LHS,up to 2.4 m from Sta.A 0+534 to Sta.A 0+544 and form Sta.A 0+554to Sta.A 0+564 at LHS, up to 3 m from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/27/14 | 05/27/14 | 05/28/14 | 1 | A |
| | IR-13-00015-NHT-102-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS ,up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/27/14 | 05/27/14 | 05/28/14 | 1 | A |
| | IR-13-00015-NHT-103-A | Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS<br>up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/27/14 | 05/27/14 | 05/28/14 | 1 | A |
| | IR-13-00015-NHT-104-A | Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS,up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/27/14 | 05/27/14 | 05/28/14 | 1 | A |

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| | IR-13-00015-NHT-105-A | Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 ,up to 3.0 m high form Sta.A 0+534 to Sta.A 0+544 and form Sta.A 0+554 to Sta.A 0+564 at LHS,up to 3.60 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/27/14 | 05/28/14 | 05/29/14 | 1 | A |
| | IR-13-00015-NHT-106-A | Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 ,up to 3.0 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 3.60 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/27/14 | 05/28/14 | 05/29/14 | 1 | A |
| | IR-13-00015-NHT-107-A | Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/27/14 | 05/28/14 | 05/29/14 | 1 | A |
| | IR-13-00015-NHT-108-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+674 to Sta.A 0+684 at LHS | 05/27/14 | 05/28/14 | 05/29/14 | 1 | A |
| | IR-13-00015-NHT-109-A | Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+702 .5 to Sta.A 0+717 at LHS | 05/27/14 | 05/28/14 | 05/29/14 | 1 | A |
| | IR-13-00015-NHT-110-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS | 05/29/14 | 05/31/14 | 06/01/14 | 1 | A |
| | IR-13-00015-NHT-111-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS | 05/29/14 | 05/31/14 | 06/01/14 | 1 | A |
| | IR-13-00015-NHT-112-A | Final formwork for one side shutter of stone wall protection up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/29/14 | 05/31/14 | 06/01/14 | 1 | A |
| | IR-13-00015-NHT-113-A | Cast concrete for one side shutter of stone wall protection up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/29/14 | 05/31/14 | 06/01/14 | 1 | A |
| | IR-13-00015-NHT-114-A | Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+717 to Sta.A 0+772.5 at LHS | 05/31/14 | 06/01/14 | 06/02/14 | 1 | C |
| | IR-13-00015-NHT-114-B | Reinforcement steel for one side shutter of stone wall protection from Sta.A 0+717 to Sta.A 0+772.5 at LHS | 06/03/14 | 06/03/14 | 06/04/14 | 1 | A |

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| | IR-13-00015-NHT-115-A | Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS | 05/31/14 | 06/01/14 | 06/01/14 | 0 | A |
| | IR-13-00015-NHT-116-A | Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS | 05/31/14 | 06/01/14 | 06/01/14 | 0 | A |
| | IR-13-00015-NHT-117-A | Final formwork for one side shutter of stone wall protection up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/31/14 | 06/01/14 | 06/01/14 | 0 | A |
| | IR-13-00015-NHT-118-A | Cast concrete for one side shutter of stone wall protection up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS | 05/31/14 | 06/01/14 | 06/01/14 | 0 | A |
| | IR-13-00015-NHT-119-A | Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS,up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS | 06/01/14 | 06/02/14 | 06/02/14 | 0 | A |
| | IR-13-00015-NHT-120-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS,up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS | 06/01/14 | 06/02/14 | 06/02/14 | 0 | A |
| | IR-13-00015-NHT-121-A | Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS | 06/02/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-122-A | Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS | 06/02/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-123-A | Final formwork for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+714 to Sta.A 0+724 and from Sta.A 0+724 to Sta.A 0+734 at LHS | 06/02/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-124-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m from Sta.A 0+714 to Sta.A 0+724 & from Sta.A 0+724 to Sta.A 0+734 at LHS | 06/02/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-125-A | Start excavation for Box Culvert at Sta.A 0+950 | 06/02/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-126-A | Start Construct stone wall from Sta.A 1+220 to Sta.A 1+320 at RHS | 06/03/14 | 06/04/14 | 06/04/14 | 0 | A |
| | IR-13-00015-NHT-127-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 To Sta.A 0+774 at LHS | 06/03/14 | 06/03/14 | 06/04/14 | 1 | A |

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| | IR-13-00015-NHT-128-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 To Sta.A 0+774 at LHS | 06/03/14 | 06/03/14 | 06/04/14 | 1 | A |
| | IR-13-00015-NHT-129-A | First layer of base course under foundation of Box Culvert at Sta.A 0+590 | 06/03/14 | 06/04/14 | 06/05/14 | 1 | A |
| | IR-13-00015-NHT-130-A | Second layer of backfilling for internal face of retaining wall from Sta.A 0+160 to Sta.A 0+205 | 06/03/14 | 06/04/14 | 06/05/14 | 1 | A |
| | IR-13-00015-NHT-131-A | Final level for excavation of Box Culvert and retaining wall at Sta.A 0+590 | 06/03/14 | 06/04/14 | 06/05/14 | 1 | A |
| | IR-13-00015-NHT-132-A | Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714, up to 2.4 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 & from Sta.A 0+764 to Sta.A 0+774 at LHS | 06/03/14 | 06/04/14 | 06/05/14 | 1 | A |
| | IR-13-00015-NHT-133-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714, up to 2.4 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 & from Sta.A 0+764 to Sta.A 0+774 at LHS | 06/03/14 | 06/04/14 | 06/05/14 | 1 | A |
| | IR-13-00015-NHT-134-A | Start excavation and widening work for road from Sta.A 3+600 to Sta.A 3+800 at RHS | 06/04/14 | 06/05/14 | 06/05/14 | 0 | A |
| | IR-13-00015-NHT-135-A | Second layer of base course under foundation of Box Culvert and retaining wall At Sta.A 0+590 | 06/04/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-136-A | Welder qualification test T.O.16 | 06/04/14 | 06/07/14 | 06/08/14 | 1 | A |
| | IR-13-00015-NHT-137-A | Workshop Welder qualification test T.O.16 | 06/04/14 | 06/18/14 | 06/19/14 | 1 | A |
| | IR-13-00015-NHT-138-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS | 06/05/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-139-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS | 06/05/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-140-A | Final formwork for one side shutter of stone wall protection Up to 3.6 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS | 06/05/14 | 06/05/14 | 06/05/14 | 0 | A |
| | IR-13-00015-NHT-141-A | Cast concrete for one side shutter of stone wall protection Up to 3.6 m high from Sta.A 0+714 to Sta.A 0+734 at LHS,up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS | 06/05/14 | 06/05/14 | 06/05/14 | 0 | A |

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| | IR-13-00015-NHT-142-A | Start excavation of road from Sta.A 3+850 to Sta.A 4+000 | 06/05/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-143-A | Cast blinding concrete- under Box Culvert at Sta.A 0+590 , under retaining wall from Sta.A 0+574 to Sta.A 0+614 & from Sta.A 0+585 to Sta.A 0+595 at LHS | 06/07/14 | 06/07/14 | 06/07/14 | 0 | A |
| | IR-13-00015-NHT-144-A | Excavation level under Box Culvert and adjacent Retaining Wall at Sta.A 0+951.60 | 06/07/14 | 06/08/14 | 06/09/14 | 1 | A |
| | IR-13-00015-NHT-145-A | Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS | 06/07/14 | 06/08/14 | 06/09/14 | 1 | A |
| | IR-13-00015-NHT-146-A | Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS,up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS | 06/07/14 | 06/08/14 | 06/09/14 | 1 | A |
| | IR-13-00015-NHT-147-A | 12 inch pipe - METCO Storage Yard | 06/08/14 | 06/09/14 | 06/12/14 | 3 | C |
| | IR-13-00015-NHT-147-B | 12 inch pipe - METCO Storage Yard | 08/20/14 | 08/20/14 | 08/20/14 | 0 | A |
| | IR-13-00015-NHT-148-A | Third layer for Backfilling of internal face of Retaining Wall from Sta.A 0+160 to Sta.A 0+205 at RHS | 06/09/14 | 06/09/14 | 06/10/14 | 1 | A |
| | IR-13-00015-NHT-149-A | (536.80) LM of 10 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated, (44.00) piece of 12 inch shrinkable sheet with (CPS)- Nahaleen Storage Yard | 06/09/14 | 06/09/14 | 06/10/14 | 1 | A |
| | IR-13-00015-NHT-150-A | Final formwork for one side shutter of Stone Wall protection up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS | 06/09/14 | 06/09/14 | 06/10/14 | 1 | A |
| | IR-13-00015-NHT-151-A | Cast concrete for one side shutter of stone wall protection up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS,up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS | 06/09/14 | 06/09/14 | 06/10/14 | 1 | A |
| | IR-13-00015-NHT-152-A | Steel Reinforcement for foundation of box culvert at Sta.A 0+590 and for retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS | 06/09/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-153-A | Cast concrete for foundation of box culvert at Sta.A 0+590 ,retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS and from Sta.A 0+585 to Sta.A 0+595 at RHS | 06/09/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-154-A | Start excavation and leveling for Sub grade from Sta.A 3+850 to Sta.A 5+700 at RHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-155-A | Start digging 2 inch of water trench from Sta.A 2+260 to Sta.A 3+200 | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-156-A | First layer for base course under foundation of box culvert at Sta.A 0+951.60 and retaining wall from Sta.A 0+930 to Sta.A 0+970 at RHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |

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| | IR-13-00015-NHT-157-A | Start constructing of Stone Wall from Sta.A 1+020 to Sta.A 1+080 at RHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-158-A | Second layer of base course under foundation of box culvert at Sta.A 0+951.60 and retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-159-A | Final formwork for one side shutter of Stone Wall protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-160-A | Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-161-A | Cast blinding concrete under foundation of box culvert at Sta.A 0+951.60 and retaining wall from Sta.A 0+930 to Sta. A0+970 at RHS | 06/10/14 | 06/10/14 | 06/11/14 | 1 | A |
| | IR-13-00015-NHT-162-A | Fourth layer of Backfilling for the internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS | 06/11/14 | 06/14/14 | 06/15/14 | 1 | A |
| | IR-13-00015-NHT-163-A | Final formwork for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+734 to Sta.A 0+744 and up to 1.2 m from Sta.A 0+714 to Sta.A 0+717 at LHS | 06/12/14 | 06/12/14 | 06/14/14 | 2 | A |
| | IR-13-00015-NHT-164-A | Cast concrete for one side shutter of stone wall protection up to 60 cm high from Sta.A 0+734 to Sta.A 0+744 and up to 1.2 m from Sta.A 0+714 to Sta.A 0+717 at LHS | 06/12/14 | 06/12/14 | 06/14/14 | 2 | A |
| | IR-13-00015-NHT-165-A | Stone wall from Sta.A 1+220 to Sta.A 1+320 at RHS | 06/12/14 | 06/12/14 | 06/15/14 | 3 | D |
| | IR-13-00015-NHT-165-B | Stone Wall from Sta.A 1+220 to Sta.A 1+320 at RHS | 07/09/14 | 07/09/14 | 07/13/14 | 4 | C |
| | IR-13-00015-NHT-165-C | Stone Wall from Sta.A 1+220 to Sta.A 1+320 at RHS | 03/01/15 | 03/01/15 | 03/02/15 | 1 | A |
| | IR-13-00015-NHT-166-A | Subgrade for widening road from Sta.A 3+920 to Sta.A 4+050 at RHS | 06/12/14 | 06/12/14 | 06/14/14 | 2 | A |
| | IR-13-00015-NHT-167-A | First layer of Base course for widening from Sta.A 3+920 to Sta.A 4+050 at RHS | 06/12/14 | 06/14/14 | 06/14/14 | 0 | A |
| | IR-13-00015-NHT-168-A | Final formwork for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 and up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS, up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS | 06/12/14 | 06/14/14 | 06/15/14 | 1 | A |
| | IR-13-00015-NHT-169-A | Cast concrete for one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 and up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS, up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS | 06/12/14 | 06/14/14 | 06/15/14 | 1 | A |
| | IR-13-00015-NHT-170-A | Reinforcement steel for wall of box culvert at Sta.A 0+591.60 | 06/12/14 | 06/14/14 | 06/16/14 | 2 | A |
| | IR-13-00015-NHT-171-A | Fifth layer of Backfill the internal face of retaining wall from Sta.A 0+144 to Sta.A 0+205 at RHS | 06/12/14 | 06/14/14 | 06/15/14 | 1 | A |

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| | IR-13-00015-NHT-172-A | Formwork of internal face for stem of retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS | 05/14/14 | 06/15/14 | 06/16/14 | 1 | A |
| | IR-13-00015-NHT-173-A | Final formwork for wall of box culvert at Sta.A 0+591.60 | 05/14/14 | 06/15/14 | 06/16/14 | 1 | A |
| | IR-13-00015-NHT-174-A | Cast concrete for wall of box culvert at Sta.A 0+591.60 | 06/14/14 | 06/15/14 | 06/16/14 | 1 | A |
| | IR-13-00015-NHT-175-A | Final formwork for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS ,up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS | 06/14/14 | 06/15/14 | 06/16/14 | 1 | A |
| | IR-13-00015-NHT-176-A | Cast concrete for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS ,up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS | 06/14/14 | 06/15/14 | 06/16/14 | 1 | A |
| | IR-13-00015-NHT-177-A | Second layer of Base course for widening road from Sta.A 3+930 to Sta.A 4+050 at RHS | 06/14/14 | 06/15/14 | 06/16/14 | 1 | C |
| | IR-13-00015-NHT-177-B | Second layer of Base Course for widening road from Sta.A 3+930 to Sta.A 4+050 at RHS | 11/15/14 | 11/15/14 | 11/15/14 | 0 | A |
| | IR-13-00015-NHT-178-A | Start construct stone wall from Sta.A 0+980 to Sta.A 1+080 at LHS | 06/14/14 | 06/15/14 | 06/17/14 | 2 | C |
| | IR-13-00015-NHT-178-B | Start construct stone wall from Sta.A 0+980 to Sta.A 1+080 at LHS | 07/09/14 | 07/09/14 | 07/13/14 | 4 | A |
| | IR-13-00015-NHT-179-A | Start excavation of box culvert at Sta.A 1+350 | 06/14/14 | 06/15/14 | 06/16/14 | 1 | C |
| | IR-13-00015-NHT-179-B | Start excavation of box culvert at Sta.A 1+350 | 08/20/14 | 08/20/14 | 08/20/14 | 0 | A |
| | IR-13-00015-NHT-180-A | Reinforcement Steel for foundation box culvert at Sta.A 0+950 and retaining wall from Sta.A 0+930 to Sta.A 0+970 at RHS | 06/15/14 | 06/14/14 | 06/17/14 | 3 | A |
| | IR-13-00015-NHT-181-A | Final formwork for foundation of box culvert at Sta.A 0+950 and retaining wall from Sta.A 0+930 to Sta.A 0+970 at RHS | 06/15/14 | 06/16/14 | 06/17/14 | 1 | A |
| | IR-13-00015-NHT-182-A | Cast concrete for foundation of box culvert at Sta.A 0+950 and retaining wall from Sta.A 0+930 to Sta.A 0+970 at RHS | 06/15/14 | 06/16/14 | 06/17/14 | 1 | A |
| | IR-13-00015-NHT-183-A | Final formwork for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS,up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/15/14 | 06/16/14 | 06/17/14 | 1 | A |
| | IR-13-00015-NHT-184-A | Cast concrete for one side shutter of stone wall protection up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS,up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/15/14 | 06/16/14 | 06/17/14 | 1 | A |
| | IR-13-00015-NHT-185-A | Sixth layer of backfilling for the internal face of retaining wall from Sta.A 0+144 to Sta.A 0+205 at RHS | 06/15/14 | 06/16/14 | 06/17/14 | 1 | A |

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| | IR-13-00015-NHT-186-A | Final formwork for one side shutter stone wall protection : up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS and up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/16/14 | 06/17/14 | 06/18/14 | 1 | A |
| | IR-13-00015-NHT-187-A | Cast concrete for one side shutter stone wall protection : up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS and up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/16/14 | 06/17/14 | 06/18/14 | 1 | A |
| | IR-13-00015-NHT-188-A | Start digging of trench from Sta.A 3+600 to Sta.A 3+850 | 06/16/14 | 06/17/14 | 06/18/14 | 1 | A |
| | IR-13-00015-NHT-189-A | Reinforcement steel for stem of retaining wall from Sta.A 0+574 to Sta.A 0+614 | 06/17/14 | 06/17/14 | 06/18/14 | 1 | A |
| | IR-13-00015-NHT-190-A | Start excavation of subgrade of road from Sta.A 3+100 to Sta.A 2+400 | 06/17/14 | 06/17/14 | 06/18/14 | 1 | A |
| | IR-13-00015-NHT-191-A | Reinforcement steel for roof of Box Culvert at Sta.A 0+591.60 | 06/17/14 | 06/18/14 | 06/19/14 | 1 | A |
| | IR-13-00015-NHT-192-A | Cast concrete for roof of box culvert at Sta.A 0+591.60 | 06/17/14 | 06/18/14 | 06/19/14 | 1 | A |
| | IR-13-00015-NHT-193-A | Final formwork for one side shutter of stone wall protection up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS,up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS | 06/17/14 | 06/18/14 | 06/19/14 | 1 | A |
| | IR-13-00015-NHT-194-A | Cast concrete for one side shutter of stone wall protection up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS,up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS | 06/17/14 | 06/18/14 | 06/19/14 | 1 | A |
| | IR-13-00015-NHT-195-A | First layer of base course for widening road from Sta.A 4+120 to Sta.A 4+250 at RHS | 06/19/14 | 06/19/14 | 06/19/14 | 0 | A |
| | IR-13-00015-NHT-196-A | Sub grade of road from Sta.A 2+900 to Sta.A 3+100 | 06/19/14 | 06/21/14 | 06/22/14 | 1 | C |
| | IR-13-00015-NHT-196-B | Subgrade of road from Sta.A 2+900 to Sta.A 3+100 | 07/09/14 | 07/09/14 | 07/09/14 | 0 | A |
| | IR-13-00015-NHT-197-A | Seventh layer for backfilling of internal face of retaining wall from Sta.A 0+131 to Sta.A 0+205 | 06/19/14 | 06/21/14 | 06/22/14 | 1 | A |
| | IR-13-00015-NHT-198-A | Reinforcement Steel for wall of Box Culvert at Sta.0+951-Segment A | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-199-A | Reinforcement Steel of retaining wall from Sta.A 0+930 to Sta.A 0+940 at RHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-200-A | Final formwork for retaining wall from Sta.A 0+600 to Sta.A 0+614 at LHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-201-A | Cast concrete for retaining wall from Sta.A 0+600 to Sta.A 0+614 at LHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-202-A | Final formwork for one side shutter of stone wall protection up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |

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| | IR-13-00015-NHT-203-A | Cast concrete for one side shutter of stone wall protection up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-204-A | Cast blinding concrete for retaining wall from Sta.A 0+930 to Sta.A 0+970 at LHS | 06/22/14 | 06/22/14 | 06/23/14 | 1 | A |
| | IR-13-00015-NHT-205-A | Reinforment steel for retaining wall from Sta.A 0+960 to Sta.A 0+970 at RHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-206-A | Final from work for retaining wall from Sta.A 0+574 to Sta.A 0+600 at LHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-207-A | Cast concrete work for retaining wall from Sta.A 0+574 to Sta.A 0+600 at LHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-208-A | Final formwork for retaining wall From Sta.A 0+960 to Sta.A 0+970 at RHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-209-A | Cast concrete for retaining wall From Sta.A 0+960 to Sta.A 0+970 at RHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-210-A | Final formwork for Stem of retaining wall from Sta.A 0+930 to Sta.A 0+940 at RHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-211-A | Cast concrete for Stem of retaining wall from Sta.A 0+930 to Sta.A 0+940 at RHS | 06/22/14 | 6/23/2014 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-212-A | Sub grade for widening road from Sta.A 4+380 to Sta.A 4+250 at RHS | 06/23/14 | 06/23/14 | 6/24/2014 | 1 | C |
| | IR-13-00015-NHT-212-B | Sub grade for widening road from Sta.A 4+380 to Sta.A 4+250 at RHS | 07/09/14 | 07/09/14 | 7/9/2014 | 0 | A |
| | IR-13-00015-NHT-213-A | Final formwork for stone wall protection up to 1.2 m from Sta.A 0+796 to Sta.A 0+806 at LHS | 06/23/14 | 06/23/14 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-214-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.A 0+796 to Sta.A 0+806 at LHS | 06/23/14 | 06/23/14 | 6/24/2014 | 1 | A |
| | IR-13-00015-NHT-215-A | Final form work for retaining wall from Sta.A 0+585 to Sta.A 0+595 at RHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-216-A | Cast concrete for retaining wall from Sta.A 0+585 to Sta.A 0+595 at RHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-217-A | Reinforcement Steel for Retaining Wall from Sta.A 0+585 to Sta.A 0+595 at RHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-218-A | Reinforcement Steel for Stone Wall Protection from Sta.A 0+772.5 to Sta.A 0+870 at LHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-219-A | Final formwork for stone wall protection up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806 and up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS | 06/23/04 | 06/24/14 | 6/25/2014 | 1 | A |

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| | IR-13-00015-NHT-220-A | Cast concrete for stone wall protection up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806 and up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-221-A | Eight layer for Backfilling of internal face of retaining wall From Sta.A 0+131 to Sta.A 0+205 at RHS | 06/23/14 | 06/24/14 | 6/25/2014 | 1 | A |
| | IR-13-00015-NHT-222-A | Ninth layer for backfilling of internal face of retaining wall From Sta.A 0+125 to Sta.A 0+164 at RHS | 06/24/14 | 06/25/14 | 6/26/2014 | 1 | A |
| | IR-13-00015-NHT-223-A | Subgrade layer for road widening From Sta.A 3+740 to Sta.A 3+830 at RHS | 06/24/14 | 06/25/14 | 6/26/2014 | 1 | A |
| | IR-13-00015-NHT-224-A | Reinforcement steel for stem of retaining wall From Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS | 06/25/14 | 06/25/14 | 6/26/2014 | 1 | A |
| | IR-13-00015-NHT-225-A | Reinforcement steel and final formwork for roof slab box culvert at Sta.A0+950 | 06/26/14 | 06/26/14 | 6/29/2014 | 3 | A |
| | IR-13-00015-NHT-226-A | Cast concrete for roof slab of box culvert at Sta.A 0+950 | 06/26/14 | 06/26/14 | 6/29/2014 | 3 | A |
| | IR-13-00015-NHT-227-A | Cast blinding concrete under foundation of retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS | 06/26/14 | 06/26/14 | 6/29/2014 | 3 | A |
| | IR-13-00015-NHT-228-A | Reinforcement steel and final formwork for foundation of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS | 06/26/14 | 06/28/14 | 6/29/2014 | 1 | A |
| | IR-13-00015-NHT-229-A | Cast concrete for foundation of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS | 06/26/14 | 06/28/14 | 6/29/2014 | 1 | A |
| | IR-13-00015-NHT-230-A | Final formwork for stone wall protection up to 2.40 m high from Sta.A0+806 to Sta.A0+826 , up to 60 cm high from Sta.A0+836 to Sta.A0+846 , from Sta.A0+856 to Sta.A0+868 at LHS | 06/26/14 | 06/28/14 | 6/29/2014 | 1 | A |
| | IR-13-00015-NHT-231-A | Cast concrete for stone wall protection up to 2.40 m high from Sta.A 0+806 to Sta.A 0+826 , up to 60 cm high from Sta.A 0+836 to Sta.A 0+846 , from Sta.A 0+856 to Sta.A 0+868 at LHS | 06/26/14 | 06/28/14 | 6/29/2014 | 1 | A |
| | IR-13-00015-NHT-232-A | Reinforcement steel for stone wall protection from Sta.A 0+870 to Sta.A 0+880 | 06/30/14 | 06/30/14 | 7/2/2014 | 2 | A |
| | IR-13-00015-NHT-233-A | Final formwork for stem of retaining wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS | 06/30/14 | 06/30/14 | 7/2/2014 | 2 | A |
| | IR-13-00015-NHT-234-A | Cast concrete for stem of retaining wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS | 06/30/14 | 06/30/14 | 7/2/2014 | 2 | A |
| | IR-13-00015-NHT-235-A | Final formwork for stone wall protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS | 06/30/14 | 06/30/14 | 7/2/2014 | 2 | A |

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| | IR-13-00015-NHT-236-A | Cast concrete for stone wall protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS | 06/30/14 | 06/30/14 | 7/2/2014 | 2 | A |
| | IR-13-00015-NHT-237-A | (1316.20) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>(866.20) LM of 4 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>(646.60) LM of 3 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>- (108) piece of 12 inch shrinkable sheet with (CPS), (061) piece of 4 inch shrinkable sheet with (CPS), (050) piece of 3 inch shrinkable sheet with (CPS) | 07/02/14 | 07/02/14 | 7/3/2014 | 1 | C |
| | IR-13-00015-NHT-237-B | (1316.20) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>(866.20) LM of 4 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>(646.60) LM of 3 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated<br>- (108) piece of 12 inch shrinkable sheet with (CPS), (061) piece of 4 inch shrinkable sheet with (CPS), (050) piece of 3 inch shrinkable sheet with (CPS) | 11/20/14 | 11/20/14 | 11/20/2014 | 0 | A |
| | IR-13-00015-NHT-238-A | Sub Grade of road from Sta.A 2+320 to Sta.A 3+100 | 07/03/14 | 07/03/14 | 7/6/2014 | 3 | A |
| | IR-13-00015-NHT-239-A | Installation of pipe culvert at Sta.A 1+356 | 07/03/14 | 07/05/14 | 7/6/2014 | 1 | A |
| | IR-13-00015-NHT-240-A | First Base Course layer for road widening from Sta.A 3+740 to Sta.A 3+820 at RHS | 07/03/14 | 07/05/14 | 7/6/2014 | 1 | A |
| | IR-13-00015-NHT-241-A | First layer of Bitumen coating of concrete surface exposed to earth: Box Culvert and adjacent retaining wall at LHS and RHS | 07/03/14 | 07/05/14 | 7/6/2014 | 1 | A |
| | IR-13-00015-NHT-242-A | Repair cement lining for (11.25)◦ elbows 10" -5J1+WRI(J20,J19,J18)- 10"-5J2+WRI(J17,J16,J15) -10"-5J3+WRI(J14,J13,J12) | 07/03/14 | 07/05/14 | 7/6/2014 | 1 | A |
| | IR-13-00015-NHT-243-A | Reinforcement steel for stem of retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS | 7/6/2014 | 7/6/2014 | 7/6/2014 | 0 | A |
| | IR-13-00015-NHT-244-A | Reinforcement steel for stem of retaining wall from Sta.A 0+930 to Sta.A 0+967 at RHS | 7/6/2014 | 7/7/2014 | 7/7/2014 | 0 | A |
| | IR-13-00015-NHT-245-A | Final formwork for stone wall protection , up to 1.8 m high from Sta.A 0+836 to Sta.A 0+846 , and from Sta.A 0+856 to Sta.A 0+866 , up to 60 cm high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/6/2014 | 7/7/2014 | 7/8/2014 | 1 | A |

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| | IR-13-00015-NHT-246-A | Cast concrete for stone wall protection , up to 1.8 m high from Sta.A 0+836 to Sta.A 0+846 , and from Sta.A 0+856 to Sta.A 0+866 , up to 60 cm high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/6/2014 | 7/7/2014 | 7/8/2014 | 1 | A |
| | IR-13-00015-NHT-247-A | Second layer of bitumen coating for concrete surface exposed to earth box culvert at Sta.A 0+590 and adjacent retaining wall at LHS and RHS | 7/7/2014 | 7/7/2014 | 7/7/2014 | 0 | A |
| | IR-13-00015-NHT-248-A | Final formwork for stone wall protection up to 1.2 m high from Sta.A 0+878 to Sta.A 0+888 , up to 60 cm high from Sta.A 0+866 to Sta.A 0+876 at LHS | 7/7/2014 | 7/10/2014 | 7/10/2014 | 0 | A |
| | IR-13-00015-NHT-249-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.A 0+878 to Sta.A 0+888 , up to 60 cm high from Sta.A 0+866 to Sta.A 0+876 at LHS | 7/7/2014 | 7/10/2014 | 7/10/2014 | 0 | A |
| | IR-13-00015-NHT-250-A | Final formwork for stem of retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS | 7/7/2014 | 7/8/2014 | 7/9/2014 | 1 | A |
| | IR-13-00015-NHT-251-A | Cast concrete for stem of retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS | 7/7/2014 | 7/8/2014 | 7/9/2014 | 1 | A |
| | IR-13-00015-NHT-252-A | Sub grade for road widening from Sta.A 3+640 to Sta.A 3+740 at RHS | 7/7/2014 | 7/8/2014 | 7/9/2014 | 1 | A |
| | IR-13-00015-NHT-253-A | Stone wall from Sta.A 1+020 to Sta.A 1+080 at RHS | 7/9/2014 | 7/9/2014 | 7/13/2014 | 4 | C |
| | IR-13-00015-NHT-253-B | Stone wall from Sta.A 1+020 to Sta.A 1+080 at RHS | 2/16/2015 | 2/16/2015 | 2/16/2015 | 0 | A |
| | IR-13-00015-NHT-254-A | Stone wall from Sta.A 0+980 to Sta.A 1+080 at LHS | 7/9/2014 | 7/9/2014 | 7/13/2014 | 4 | C |
| | IR-13-00015-NHT-254-B | Stone wall from Sta.A 0+980 to Sta.A 1+080 at LHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | C |
| | IR-13-00015-NHT-254-C | Stone wall from Sta.A 0+980 to Sta.A 1+080 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-255-A | Final formwork for stem of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS | 7/9/2014 | 7/10/2014 | 7/10/2014 | 0 | A |
| | IR-13-00015-NHT-256-A | Cast concrete for stem of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS | 7/9/2014 | 7/10/2014 | 7/10/2014 | 0 | A |
| | IR-13-00015-NHT-257-A | First layer of base course for road from Sta.A 3+620 to Sta.A 3+740 | 7/10/2014 | 7/12/2014 | 7/13/2014 | 1 | A |
| | IR-13-00015-NHT-258-A | First layer of backfilling around box culvert and adjacent retaining wall at Sta.A 0+591 | 7/10/2014 | 7/12/2014 | 7/13/2014 | 1 | A |
| | IR-13-00015-NHT-259-A | Final formwork for stone wall protection up to 1.2 m high from Sta.A 0+826 to Sta.A 0+836 and from Sta.A 0+868 to Sta.A 0+878 at LHS,up to 60 cm high from Sta.A 0+846 to Sta.A 0+856 at LHS,up to 1.8 high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/13/2014 | 7/13/2014 | 7/14/2014 | 1 | A |

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| | IR-13-00015-NHT-260-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.A 0+826 to Sta.A 0+836 and from Sta.A 0+868 to Sta.A 0+878 at LHS,up to 60 cm high from Sta.A 0+846 to Sta.A 0+856 at LHS,up to 1.8 high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/13/2014 | 7/13/2014 | 7/14/2014 | 1 | A |
| | IR-13-00015-NHT-261-A | Second layer of backfilling around box culvert at Sta.A 0+590 and adjacent retaining wall | 7/13/2014 | 7/14/2014 | 7/15/2014 | 1 | A |
| | IR-13-00015-NHT-262-A | Final formwork for stone wall protection up to 2.4 m high from Sta.A 0+878 to Sta.A 0+888 at LHS,up to 1.8 m high from Sta.A 0+868 to Sta.A 0+878 and from Sta.A 0+826 to Sta.A 836 at LHS,up to 1.2 m high from Sta.A 0+846 to Sta.A 0+856 at LHS | 7/13/2014 | 7/14/2014 | 7/15/2014 | 1 | A |
| | IR-13-00015-NHT-263-A | Cast concrete for stone wall protection up to 2.4 m high from Sta.A 0+878 to Sta.A 0+888 at LHS,up to 1.8 m high from Sta.A 0+868 to Sta.A 0+878 and from Sta.A 0+826 to Sta.A 836 at LHS,up to 1.2 m high from Sta.A 0+846 to Sta.A 0+856 at LHS | 7/13/2014 | 7/14/2014 | 7/15/2014 | 1 | A |
| | IR-13-00015-NHT-264-A | Cast blinding concrete from Sta.A 0+880 to Sta.A 0+930 at LHS | 7/13/2014 | 7/14/2014 | 7/15/2014 | 1 | A |
| | IR-13-00015-NHT-265-A | Radiographic test for 12 inch pipe from Sta.A 0+240 to Sta.A 0+398 at RHS | 7/14/2014 | 7/20/2014 | 7/20/2014 | 0 | A |
| | IR-13-00015-NHT-266-A | Final formwork for stone wall protection up to 2.4 m high from Sta.A 0+868 to Sta.A 0+878 at LHS,up to 3.0 m high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/15/2014 | 7/15/2014 | 7/16/2014 | 1 | A |
| | IR-13-00015-NHT-267-A | Cast concrete for stone wall protection up to 2.4 m high from Sta.A 0+868 to Sta.A 0+878 at LHS,up to 3.0 m high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/15/2014 | 7/15/2014 | 7/16/2014 | 1 | A |
| | IR-13-00015-NHT-268-A | Final formwork for stone wall protection up to 3.6 m high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/15/2014 | 7/16/2014 | 7/17/2014 | 1 | A |
| | IR-13-00015-NHT-269-A | Cast concrete for stone wall protection up to 3.6 m high from Sta.A 0+878 to Sta.A 0+888 at LHS | 7/15/2014 | 7/16/2014 | 7/17/2014 | 1 | A |
| | IR-13-00015-NHT-270-A | Excavation of foundation for stone wall protection from Sta.A 1+380 to Sta.A 1+420 at LHS | 7/15/2014 | 7/16/2014 | 7/17/2014 | 1 | A |
| | IR-13-00015-NHT-271-A | First layer of bitumen protective coating for concrete surface exposed to earth box culvert at Sta.A 0+951 and adjacent retaining wall | 7/15/2014 | 7/16/2014 | 7/17/2014 | 1 | A |
| | IR-13-00015-NHT-272-A | Third layer of backfilling around box culvert at Sta.A 0+951 and adjacent retaining wall | 7/15/2014 | 7/16/2014 | 7/17/2014 | 1 | A |
| | IR-13-00015-NHT-273-A | Second layer of bitumen protective coating for concrete surface exposed to earth box culvert at Sta.A 0+951 and adjacent retaining wall | 7/16/2014 | 7/17/2014 | 7/17/2014 | 0 | A |

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| | IR-13-00015-NHT-274-A | Sub grade of road from Sta.A 0+740 to Sta.A 0+840 | 7/16/2014 | 7/17/2014 | 7/20/2014 | 3 | A |
| | IR-13-00015-NHT-275-A | Reinforcement steel for foundation of retaining wall from Sta.A 0+888 to Sta.A 0+930 | 7/17/2014 | 7/17/2014 | 7/17/2014 | 0 | A |
| | IR-13-00015-NHT-276-A | Reinforcement steel for stone wall protection from Sta.A 1+380 to Sta.A 1+420 at LHS | 7/17/2014 | 7/17/2014 | 7/17/2014 | 0 | A |
| | IR-13-00015-NHT-277-A | Subgrade of road from Sta.A 0+640 to Sta.A 0+740 | 7/17/2014 | 7/22/2014 | 7/23/2014 | 1 | C |
| | IR-13-00015-NHT-277-B | Subgrade of road from Sta.A 0+640 to Sta.A 0+740 | 8/13/2014 | 8/14/2014 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-278-A | First layer of backfilling around box culvert at Sta.A 0+951 and adjacent retaining wall | 7/17/2014 | 7/19/2014 | 7/20/2014 | 1 | A |
| | IR-13-00015-NHT-279-A | Fourth layer of backfilling around box culvert at Sta.A 0+590 and adjacent retaining wall | 7/17/2014 | 7/19/2014 | 7/20/2014 | 1 | A |
| | IR-13-00015-NHT-280-A | Final formwork for foundation of retaining wall from Sta.A 0+888 to Sta.A 0+930 at LHS. | 7/17/2014 | 7/19/2014 | 7/20/2014 | 1 | A |
| | IR-13-00015-NHT-281-A | Cast concrete for foundation of retaining wall from Sta.A 0+888 to Sta.A 0+930 at LHS | 7/17/2014 | 7/19/2014 | 7/20/2014 | 1 | A |
| | IR-13-00015-NHT-282-A | Reinforcement steel of stem of retaining wall from Sta.A 0+888 to Sta.A 0+909 and from Sta.A 0+919 to Sta.A 0+930 at LHS | 7/22/2014 | 7/22/2014 | 7/23/2014 | 1 | A |
| | IR-13-00015-NHT-283-A | Final formwork for stone wall protection up to 60 cm high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 7/22/2014 | 7/22/2014 | 7/23/2014 | 1 | A |
| | IR-13-00015-NHT-284-A | Cast concrete for stone wall protection up to 60 cm high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 7/22/2014 | 7/22/2014 | 7/23/2014 | 1 | A |
| | IR-13-00015-NHT-285-A | Second layer of backfilling around box culvert at Sta.A 0+951 and adjacent retaining wall | 7/22/2014 | 7/22/2014 | 7/23/2014 | 1 | A |
| | IR-13-00015-NHT-286-A | Third layer of backfilling around box culvert at Sta.A 0+950 and adjacent retaining wall | 7/23/2014 | 7/23/2014 | 7/24/2014 | 1 | A |
| | IR-13-00015-NHT-287-A | Fifth layer of backfilling around box culvert at Sta.A 0+591 and adjacent retaining wall | 7/23/2014 | 7/23/2014 | 7/24/2014 | 1 | A |
| | IR-13-00015-NHT-288-A | Subgrade of road from Sta.A 0+120 to Sta.A 0+200 | 7/23/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-289-A | Final formwork for stone wall protection up to 1.2 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 7/23/2014 | 7/23/2014 | 7/24/2014 | 1 | A |
| | IR-13-00015-NHT-290-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 7/23/2014 | 7/23/2014 | 7/24/2014 | 1 | A |
| | IR-13-00015-NHT-291-A | Final formwork for stone wall protection up to 1.8 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 7/24/2014 | 7/24/2014 | 7/26/2014 | 2 | A |

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| | IR-13-00015-NHT-292-A | Cast concrete for stone wall protection up to 1.8 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A1+420 to Sta.A 1+430 at LHS | 7/24/2014 | 7/24/2014 | 7/26/2014 | 2 | A |
| | IR-13-00015-NHT-293-A | Fabricate and weld elbows (SJ6, SJ7, SJ8, SJ9 and SJ10) fabrication area – Halhul | 7/24/2014 | 7/26/2014 | 7/27/2014 | 1 | C |
| | IR-13-00015-NHT-293-B | Fabricate and weld elbows (SJ6, SJ7, SJ8, SJ9 and SJ10) fabrication area – Halhul- note that these elbows will not use in the project | 8/4/2014 | 8/4/2014 | 8/5/2014 | 1 | A |
| | IR-13-00015-NHT-294-A | Fourth layer of backfilling around box culvert at Sta.A 0+951 and adjacent retaining wall | 7/24/2014 | 7/26/2014 | 7/27/2014 | 1 | A |
| | IR-13-00015-NHT-295-A | Final formwork for stone wall protection up to 2.4 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 8/3/2014 | 8/2/2014 | 8/4/2014 | 2 | A |
| | IR-13-00015-NHT-296-A | Cast concrete for stone wall protection up to 2.4 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 8/3/2014 | 8/2/2014 | 8/4/2014 | 2 | A |
| | IR-13-00015-NHT-297-A | Subgrade of road from Sta.A 0+200 to Sta.A 0+400 | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | C |
| | IR-13-00015-NHT-297-B | Subgrade of road from Sta.A 0+200 to Sta.A 0+400 | 8/28/2014 | 8/28/2014 | 8/28/2014 | 0 | A |
| | IR-13-00015-NHT-298-A | Final formwork for stem of retaining wall from Sta.A 0+888 to Sta.A 0+909 and from Sta.A 0+919 to Sta.A 0+930 at LHS | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-299-A | Cast concrete for stem of retaining wall from Sta.A 0+888 to Sta.A 0+909 and from Sta.A 0+919 to Sta.A 0+930 at LHS | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-300-A | Final formwork for stone wall protection up to 3 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-301-A | Cast concrete for stone wall protection up to 3 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-302-A | Reinforcement steel and final formwork for concrete encasement of 12 inch water pipeline from Sta.A 0+569 to Sta.A 0+484 at RHS | 8/3/2014 | 8/3/2014 | 8/4/2014 | 1 | A |
| | IR-13-00015-NHT-303-A | Final formwork and cast concrete for stem of retaining wall From Sta.A 6+505 to Sta.A 6+515 and from Sta.A 6+525 to Sta.A 6+535 at LHS | 11/17/2014 | 11/17/2014 | 11/18/2014 | 1 | A |
| | IR-13-00015-NHT-304-A | Steel reinforcement and formwork for foundation of boundary wall From Sta.E 0+818 to Sta.E 0+825 and from Sta.E 0+829 to Sta.E 0+844 at RHS | 11/17/2014 | 11/17/2014 | 11/18/2014 | 1 | A |
| | IR-13-00015-NHT-305-A | Final formwork for stone wall protection up to 3.6 m high from Sta.A 1+383 to Sta.A 1+410 at LHS | 8/4/2014 | 8/4/2014 | 8/5/2014 | 1 | A |
| | IR-13-00015-NHT-306-A | Cast concrete for stone wall protection up to 3.6 m high from Sta.A 1+383 to Sta.A 1+410 at LHS | 8/4/2014 | 8/4/2014 | 8/5/2014 | 1 | A |
| | IR-13-00015-NHT-307-A | Cast blinding concrete under foundation of retaining wall from Sta.A 1+310 to Sta.A 1+350 at LHS | 8/4/2014 | 8/4/2014 | 8/5/2014 | 1 | A |

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| | IR-13-00015-NHT-308-A | First layer of base course for road from Sta.A 0+740 to Sta.A 0+840 | 8/4/2014 | 8/5/2014 | 8/6/2014 | 1 | A |
| | IR-13-00015-NHT-309-A | Subgrade of road from Sta.A 0+400 to Sta.A 0+500 | 8/4/2014 | 8/5/2014 | 8/6/2014 | 1 | C |
| | IR-13-00015-NHT-309-B | Subgrade of road from Sta.A 0+400 to Sta.A 0+500 | 8/11/2014 | 8/11/2014 | 8/11/2014 | 0 | A |
| | IR-13-00015-NHT-310-A | Cast concrete for concrete encasement of 12 inch water pipeline from Sta.A 0+569 to Sta.A 0+484 at RHS | 8/5/2014 | 8/5/2014 | 8/5/2014 | 0 | A |
| | IR-13-00015-NHT-311-A | Subgrade of road from Sta.A 0+500 to Sta.A 0+640 | 8/6/2014 | 8/6/2014 | 8/7/2014 | 1 | A |
| | IR-13-00015-NHT-312-A | Steel fittings (according attached MRR) at storage yard | 8/6/2014 | 8/6/2014 | 8/7/2014 | 1 | C |
| | IR-13-00015-NHT-313-A | Final formwork for stone wall protection up to 60 cm high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/6/2014 | 8/6/2014 | 8/7/2014 | 1 | A |
| | IR-13-00015-NHT-314-A | Cast concrete for stone wall protection up to 60 cm high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/6/2014 | 8/6/2014 | 8/7/2014 | 1 | A |
| | IR-13-00015-NHT-315-A | Start excavation of road from Sta.B 0+220 to Sta.B 0+340 | 8/7/2014 | 8/7/2014 | 8/7/2014 | 0 | A |
| | IR-13-00015-NHT-316-A | Final formwork for stem of retaining wall from Sta.A 0+909 to Sta.A 0+919 | 8/7/2014 | 8/9/2014 | 8/10/2014 | 1 | A |
| | IR-13-00015-NHT-317-A | Cast concrete for stem of retaining wall from Sta.A 0+909 to Sta.A 0+919 | 8/7/2014 | 8/9/2014 | 8/10/2014 | 1 | A |
| | IR-13-00015-NHT-318-A | Final formwork for stone wall protection up to 1.2 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/7/2014 | 8/9/2014 | 8/10/2014 | 1 | A |
| | IR-13-00015-NHT-319-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/7/2014 | 8/9/2014 | 8/10/2014 | 1 | A |
| | IR-13-00015-NHT-320-A | Trench reinstatement at subgrade level from Sta.A 4+380 to Sta.A 4+520 at RHS | 8/7/2014 | 8/9/2014 | 8/10/2014 | 1 | C |
| | IR-13-00015-NHT-320-B | Trench reinstatement at subgrade level from Sta.A 4+380 to Sta.A 4+520 | 8/11/2014 | 8/11/2014 | 8/11/2014 | 0 | A |
| | IR-13-00015-NHT-321-A | Reinforcement steel and final formwork for foundation of retaining wall from Sta.A 1+310 to Sta.A 1+350 | 8/10/2014 | 8/10/2014 | 8/11/2014 | 1 | A |
| | IR-13-00015-NHT-322-A | Cast concrete for foundation of retaining wall from Sta.A 1+310 to Sta.A 1+350 | 8/10/2014 | 8/10/2014 | 8/11/2014 | 1 | A |
| | IR-13-00015-NHT-323-A | Final formwork for stone wall protection up to 1.8 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/10/2014 | 8/10/2014 | 8/11/2014 | 1 | A |
| | IR-13-00015-NHT-324-A | Cast concrete for stone wall protection up to 1.8 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/10/2014 | 8/10/2014 | 8/11/2014 | 1 | A |
| | IR-13-00015-NHT-325-A | First layer of base course of road from Sta.A 0+640 to Sta.A 0+740 | 8/10/2014 | 8/10/2014 | 8/11/2014 | 1 | A |
| | IR-13-00015-NHT-326-A | Welding and paining of T 3"/2"at pipeline (2 A): 2A-SJ1, 2A-SJ2, 2A-SJ3, 2A-SJ4, 2A-SJ5, 2A-SJ6, 2A-SJ7, 2A-SJ8, 2A-SJ9, 2A-SJ10, 2A-SJ11, and 2A-SJ12 | 8/10/2014 | 8/10/2014 | 8/10/2014 | 0 | A |
| | IR-13-00015-NHT-327-A | Final formwork for stone wall protection up to 2.4 m high from Sta.A 1+410 to Sta.A 1+420 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/11/2014 | 8/11/2014 | 8/11/2014 | 0 | A |

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| | IR-13-00015-NHT-328-A | Cast concrete for stone wall protection up to 2.4 m high from Sta.A 1+410 to Sta.A 1+420 and from Sta.A 1+430 to Sta.A 1+436 at LHS | 8/11/2014 | 8/11/2014 | 8/11/2014 | 0 | A |
| | IR-13-00015-NHT-329-A | Welding and painting of Tee 4"/2 Pipeline (BP-39) : 4"-2"-SJ1, 4"-2"-SJ2, 4"-2"-SJ3, 4"-2"-SJ4." | 8/11/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-330-A | Final formwork and cast blinding concrete under foundation of retaining wall from Sta.A 1+383 to Sta.A 1+360 | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-331-A | First layer of base course for trench reinstatement from Sta.A 4+360 to Sta.A 4+580 at RHS | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-332-A | Reinforcement steel for stem of retaining wall from Sta.A 1+310 to Sta.A 1+323 and from Sta.A 1+330 to Sta.A 1+350 | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-333-A | Final formwork for stone wall protection up to 3.0 m high from Sta.A 1+410 to Sta.A 1+420 at LHS | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-334-A | Cast concrete for stone wall protection up to 3.0 m high from Sta.A 1+410 to Sta.A 1+420 at LHS | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-335-A | Topping layer of road from Sta.A 2+480 to Sta.A 3+100 | 8/12/2014 | 8/13/2014 | 8/17/2014 | 4 | C |
| | IR-13-00015-NHT-335-B | Topping layer of road from Sta.A 2+480 to Sta.A 3+100 | 8/20/2014 | 8/20/2014 | 8/20/2014 | 0 | A |
| | IR-13-00015-NHT-336-A | First layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at LHS | 8/12/2014 | 8/12/2014 | 8/13/2014 | 1 | A |
| | IR-13-00015-NHT-337-A | Cast for first stage of concrete copping stone wall from Sta.A 0+540 to Sta.A 0+560 at RHS | 8/12/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-338-A | Final formwork for stem of retaining wall from Sta.A 1+310 to Sta.A 1+323 and from Sta.A 1+330 to Sta.A 1+350 | 8/12/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-339-A | Cast concrete for stem of retaining wall from Sta.A 1+310 to Sta.A 1+323 and from Sta.A 1+330 to Sta.A 1+350 | 8/12/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-340-A | First base course layer for trench reinstatement from Sta.A 4+580 to Sta.A 4+740 at RHS | 8/12/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-341-A | Second layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at LHS | 8/12/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-342-A | Welding and painting of Tee 3"/2" (2A) : SJ13,SJ14,SJ15,SJ16,SJ17 and SJ18 | 8/13/2014 | 8/13/2014 | 8/14/2014 | 1 | A |
| | IR-13-00015-NHT-343-A | Final formwork and reinforcement steel for foundation of retaining wall from Sta.A 1+383 to Sta.A 1+360 at LHS | 8/13/2014 | 8/14/2014 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-344-A | Cast concrete for foundation of retaining wall from Sta.A 1+383 to Sta.A 1+360 at LHS | 8/13/2014 | 8/14/2014 | 8/14/2014 | 0 | A |

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| | IR-13-00015-NHT-345-A | Third layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at LHS | 8/13/2014 | 8/14/2014 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-346-A | First layer of base course for trench reinstatement from Sta.A 4+900 to Sta.A 5+000 at RHS | 8/13/2014 | 8/14/2014 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-347-A | Final formwork for stone wall protection up to 3.6 m high from Sta.A 1+410 to Sta.A 1+420 at LHS | 08/14/14 | 08/14/14 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-348-A | Cast concrete for stone wall protection up to 3.6 m high from Sta.A 1+410 to Sta.A 1+420 at LHS | 08/14/14 | 08/14/14 | 8/14/2014 | 0 | A |
| | IR-13-00015-NHT-349-A | First layer of base course for trench reinstatement from Sta.A 4+740 to Sta.A 4+900 at RHS | 8/14/2014 | 8/15/2014 | 8/17/2014 | 2 | A |
| | IR-13-00015-NHT-350-A | Subgrade layer for road widening from Sta.A 3+500 to Sta.A 3+620 at RHS | 8/14/2014 | 8/16/2014 | 8/17/2014 | 1 | C |
| | IR-13-00015-NHT-350-B | Subgrade layer for road widening from Sta.A 3+500 to Sta.A 3+620 at RHS | 8/18/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-351-A | Fourth layer of backfilling behind retaining wall from Sta.A 0+833 to Sta.A 0+930 at LHS | 8/14/2014 | 8/16/2014 | 8/17/2014 | 1 | A |
| | IR-13-00015-NHT-352-A | First layer of base course for road from Sta.A 0+120 to Sta.A 0+220 | 8/14/2014 | 8/16/2014 | 8/17/2014 | 1 | A |
| | IR-13-00015-NHT-353-A | Reinforcement steel for stem of retaining wall from Sta.A 1+323 to Sta.A 1+330 at LHS | 8/17/2014 | 8/17/2014 | 8/17/2014 | 0 | A |
| | IR-13-00015-NHT-354-A | Cast concrete for foundation of retaining wall From Sta.A 6+574 to Sta.A 6+603 at LHS | 11/12/2014 | 11/13/2014 | 11/13/2014 | 0 | A |
| | IR-13-00015-NHT-355-A | First layer of base course for trench instatement from Sta.A 5+320 to Sta.A 5+120 at RHS | 8/17/2014 | 8/17/2014 | 8/18/2014 | 1 | A |
| | IR-13-00015-NHT-356-A | Final formwork for stem of retaining wall from Sta.A 1+323 to Sta.A 1+330 at LHS | 8/17/2014 | 8/17/2014 | 8/18/2014 | 1 | A |
| | IR-13-00015-NHT-357-A | Cast concrete for stem of retaining wall from Sta.A 1+323 to Sta.A 1+330 at LHS | 8/17/2014 | 8/17/2014 | 8/18/2014 | 1 | A |
| | IR-13-00015-NHT-358-A | Start excavation for foundation of retaining wall from Sta.E 0+106 to Sta.E 0+173 at RHS | 8/17/2014 | 8/17/2014 | 8/18/2014 | 1 | C |
| | IR-13-00015-NHT-358-B | Start excavation for foundation of retaining wall from Sta.E 0+106 to Sta.E 0+173 at RHS | 10/27/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-359-A | Coating and cement lining for 4 inch pipe METCO-Ramallah | 8/17/2014 | 8/19/2014 | 8/20/2014 | 1 | A |
| | IR-13-00015-NHT-360-A | Repair welded joint No.5A-J3-WR1A At Sta.A 5+026.48 | 8/17/2014 | 8/17/2014 | 8/18/2014 | 1 | A |
| | IR-13-00015-NHT-361-A | First layer of base course for trench reinstatement from Sta.A 5+000 to Sta.A 5+120 at RHS | 8/18/2014 | 8/18/2014 | 8/18/2014 | 0 | A |

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| | IR-13-00015-NHT-362-A | Reinforcement steel and final formwork for retaining walls foundation from Sta.A 1+290 to Sta.A 1+310 at LHS | 08/18/14 | 08/18/14 | 8/18/2014 | 0 | C |
| | IR-13-00015-NHT-362-B | Reinforcement steel and final formwork for retaining walls foundation from Sta.A 1+290 to Sta.A 1+310 at LHS | 08/20/14 | 08/20/14 | 8/20/2014 | 0 | A |
| | IR-13-00015-NHT-363-A | Cast concrete for retaining walls foundation from Sta.A 1+290 to Sta.A 1+310 at LHS | 08/18/14 | 08/18/14 | 8/18/2014 | 0 | C |
| | IR-13-00015-NHT-363-B | Cast concrete for retaining walls foundation from Sta.A 1+290 to Sta.A 1+310 at LHS | 08/20/14 | 08/20/14 | 8/20/2014 | 0 | A |
| | IR-13-00015-NHT-364-A | First base course layer for road from Sta.A 0+400 to Sta.A 0+640 | 8/18/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-365-A | First layer of bitumen protective coating for retaining wall from Sta.A 1+310 to Sta.A 1+360 at LHS | 8/18/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-366-A | Fifth layer of backfilling behind the retaining wall from Sta.A 0+883 to Sta.A 0+930 at LHS | 8/18/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-367-A | First layer of base course for trench reinstatement from Sta.A 5+550 to Sta.A 5+700 at RHS | 8/18/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-368-A | -2.0 inch GSP (1003.4 LM) wall thickness 3.65 mm.<br>-1.5 inch GSP (400.2 LM) wall thickness SCH40.<br>-3/4 inch GSP (203.0 LM) wall thickness SCH40.<br>-1 inch GSP (400.2 LM) wall thickness SCH40.<br>And min thickness polyethylene coating 1.5 mm for all pipes at Nahaleen storage yard | 8/19/2014 | 8/19/2014 | 8/19/2014 | 0 | C |
| | IR-13-00015-NHT-368-B | -2.0 inch GSP (1003.4 LM) wall thickness 3.65 mm.<br>-1.5 inch GSP (400.2 LM) wall thickness SCH40.<br>-3/4 inch GSP (203.0 LM) wall thickness SCH40.<br>-1 inch GSP (400.2 LM) wall thickness SCH40.<br>And min thickness polyethylene coating 1.5 mm for all pipes at Nahaleen storage yard | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-369-A | Threaded fittings as attached delivery notes at Nahaleen storage yard | 8/19/2014 | 8/19/2014 | 8/20/2014 | 1 | A |
| | IR-13-00015-NHT-370-A | First layer of base course for road widening from Sta.A 3+500 to Sta.A 3+620 at RHS | 8/19/2014 | 8/19/2014 | 8/19/2014 | 0 | A |
| | IR-13-00015-NHT-371-A | Reinforcement steel for stem of retaining wall from Sta.A 1+360 to Sta.A 1+383 at LHS | 8/19/2014 | 8/19/2014 | 8/19/2014 | 0 | A |

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| | IR-13-00015-NHT-372-A | Final formwork for stem of retaining wall from Sta.A 1+360 to Sta.A 1+383 at LHS | 8/20/2014 | 8/20/2014 | 8/21/2014 | 1 | A |
| | IR-13-00015-NHT-373-A | Cast concrete for stem of retaining wall from Sta.A 1+360 to Sta.A 1+383 at LHS | 08/20/14 | 8/20/2014 | 8/21/2014 | 1 | A |
| | IR-13-00015-NHT-374-A | Steel reinforcement for retaining walls stem from Sta.A 1+290 to Sta.A 1+310 | 08/21/14 | 08/23/14 | 8/23/2014 | 0 | A |
| | IR-13-00015-NHT-375-A | (276) LM storm water pipe with 600 mm Dia and (138) rubber gasket At Sta.A 6+000 | 8/21/2014 | 08/24/14 | 8/25/2014 | 1 | A |
| | IR-13-00015-NHT-376-A | Final formwork for retaining walls stem from Sta.A 1+290 to Sta.A 1+310 | 8/21/2014 | 08/23/14 | 8/23/2014 | 0 | A |
| | IR-13-00015-NHT-377-A | Cast concrete for retaining walls stem from Sta.A 1+290 to Sta.A 1+310 | 8/21/2014 | 08/23/14 | 8/23/2014 | 0 | A |
| | IR-13-00015-NHT-378-A | Steel reinforcement for stem of boundary wall From Sta.B 0+279 to Sta.B 0+314 at RHS | 11/17/2014 | 11/17/14 | 11/18/2014 | 1 | ~~A~~ |
| | IR-13-00015-NHT-379-A | Subgrade layer of road from Sta.A 0+980 to Sta.A 1+160 | 8/21/2014 | 08/23/14 | 8/23/2014 | 0 | C |
| | IR-13-00015-NHT-379-B | Subgrade layer of road from Sta.A 0+980 to Sta.A 1+160 | 9/4/2014 | 09/04/14 | 9/4/2014 | 0 | A |
| | IR-13-00015-NHT-380-A | Subgrade layer of road widening from Sta.A 3+380 to Sta.A 3+540 at RHS | 8/21/2014 | 08/23/14 | 8/23/2014 | 0 | C |
| | IR-13-00015-NHT-380-B | Subgrade layer of road widening from Sta.A 3+380 to Sta.A 3+540 at RHS | 8/28/2014 | 08/28/14 | 8/28/2014 | 0 | A |
| | IR-13-00015-NHT-381-A | Cast blinding concrete under retaining walls foundation from Sta.A 1+350 to Sta.A 1+360 at RHS | 8/24/2014 | 8/24/2014 | 8/25/2014 | 1 | A |
| | IR-13-00015-NHT-382-A | Steel reinforcement and final formwork for concrete encasement from Sta.A 0+947 to Sta.A 0+954 at RHS | 8/24/2014 | 8/24/2014 | 8/25/2014 | 1 | A |
| | IR-13-00015-NHT-383-A | Cast concrete for concrete encasement from Sta.A 0+947 to Sta.A 0+954 at RHS | 8/24/2014 | 8/24/2014 | 8/25/2014 | 1 | A |
| | IR-13-00015-NHT-384-A | Casting leveling concrete for step barriers from Sta.A 0+125 to Sta.A 0+205 at RHS | 8/24/2014 | 8/24/2014 | 8/25/2014 | 1 | A |
| | IR-13-00015-NHT-385-A | Subgrade of road from Sta.B 0+200 to Sta.B 0+400 | 8/25/2014 | 8/25/2014 | 8/26/2014 | 1 | C |
| | IR-13-00015-NHT-385-B | Subgrade of road from Sta.B 0+200 to Sta.B 0+400 | 10/27/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-386-A | GS - Fittings At Storage Yard | 8/28/2014 | 8/28/2014 | 8/28/2014 | 0 | A |
| | IR-13-00015-NHT-387-A | Subgrade of road from Sta.B 0+400 to Sta.B 0+540 | 8/28/2014 | 8/28/2014 | 8/28/2014 | 0 | C |
| | IR-13-00015-NHT-387-B | Subgrade of road from Sta.B 0+400 to Sta.B 0+540 | 10/27/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-388-A | First base course layer of road from Sta.A 0+200 to Sta.A 0+400 | 8/28/2014 | 8/28/2014 | 8/28/2014 | 0 | A |
| | IR-13-00015-NHT-389-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+139.4 to Sta.A 0+146.60 at RHS | 8/28/2014 | 8/30/2014 | 8/31/2014 | 1 | A |

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| | IR-13-00015-NHT-390-A | Cast concrete for step barriers from Sta.A 0+139.4 to Sta.A 0+146.60 at RHS | 8/28/2014 | 8/30/2014 | 8/31/2014 | 1 | A |
| | IR-13-00015-NHT-391-A | Subgrade of road from Sta.A 0+840 to Sta.A 0+980 | 8/28/2014 | 8/30/2014 | 8/31/2014 | 1 | A |
| | IR-13-00015-NHT-392-A | Subgrade of road from Sta.B 0+540 to Sta.B 0+680 | 8/28/2014 | 8/28/2014 | 8/28/2014 | 0 | C |
| | IR-13-00015-NHT-392-B | Subgrade of road from Sta.B 0+540 to Sta.B 0+680 | 10/27/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-393-A | Reinforcement steel and final formwork for retaining walls foundation of the inlet box culvert at Sta.A 1+350 at RHS | 8/31/2014 | 8/31/2014 | 8/31/2014 | 0 | A |
| | IR-13-00015-NHT-394-A | Cast concrete for retaining walls foundation of the inlet box culvert at Sta.A 1+350 at RHS | 8/31/2014 | 8/31/2014 | 8/31/2014 | 0 | A |
| | IR-13-00015-NHT-395-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+125 to Sta.A 0+132.20, from Sta.A 0+153.8 to Sta.A 0+161 ,from Sta.A 0+168.2 to Sta.A 0+175.4 and from Sta.A 0+182.60 to Sta.A 0+189.8 at RHS | 8/31/2014 | 8/31/2014 | 9/1/2014 | 1 | A |
| | IR-13-00015-NHT-396-A | Cast concrete for step barriers from Sta.A 0+125 to Sta.A 0+132.20, from Sta.A 0+153.8 to Sta.A 0+161 ,from Sta.A 0+168.2 to Sta.A 0+175.4and from Sta.A 0+182.60 to Sta.A 0+189.8 at RHS | 8/31/2014 | 8/31/2014 | 9/1/2014 | 1 | A |
| | IR-13-00015-NHT-397-A | First base course layer of widening road from Sta.A 3+400 to Sta.A 3+540 at RHS | 9/1/2014 | 9/1/2014 | 9/2/2014 | 1 | A |
| | IR-13-00015-NHT-398-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+132.2 to Sta.A 0+139.4 , from Sta.A 0+146.6 to Sta.A 0+153.80 and from Sta.A 0+161 to Sta.A 0+168.20 at RHS | 9/1/2014 | 9/1/2014 | 9/1/2014 | 0 | A |
| | IR-13-00015-NHT-399-A | Cast concrete for step barriers from Sta.A 0+132.2 to Sta.A 0+139.4 , from Sta.A 0+146.6 to Sta.A 0+153.80 and from Sta.A 0+161 to Sta.A 0+168.20 at RHS | 9/1/2014 | 9/1/2014 | 9/1/2014 | 0 | A |
| | IR-13-00015-NHT-400-A | Pressure test for 2 inch water pipeline from Sta.A 2+940 to Sta.A 3+320 | 9/1/2014 | 9/1/2014 | 9/2/2014 | 1 | A |
| | IR-13-00015-NHT-401-A | Final formwork and steel reinforcement for foundation of pipe culvert outlet at Sta.A 1+350 at LHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |
| | IR-13-00015-NHT-402-A | Cast concrete for foundation of pipe culvert outlet at Sta.A 1+350 at LHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |
| | IR-13-00015-NHT-403-A | Steel reinforcement and final formwork for stem of pipe culvert's inlet at Sta.A 1+350 at RHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |
| | IR-13-00015-NHT-404-A | Cast concrete for stem of pipe culvert's inlet at Sta.A 1+350 at RHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |
| | IR-13-00015-NHT-405-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+175.4 to Sta.A 0+182.60 , from Sta.A 0+189.8 to Sta.A 0+197 and from Sta.A 0+197 to Sta.A 0+205 at RHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |

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| | IR-13-00015-NHT-406-A | Cast concrete for step barriers from Sta.A 0+175.4 to Sta.A 0+182.60 , from Sta.A 0+189.8 to Sta.A 0+197 and from Sta.A 0+197 to Sta.A 0+205 at RHS | 9/2/2014 | 9/2/2014 | 9/2/2014 | 0 | A |
| | IR-13-00015-NHT-407-A | First base course layer of road from Sta.A 0+840 to Sta.A 1+060 | 9/3/2014 | 9/3/2014 | 9/4/2014 | 1 | A |
| | IR-13-00015-NHT-408-A | First base course layer of road from Sta.B 0+200 to Sta.B 0+400 | 9/3/2014 | 9/3/2014 | 9/3/2014 | 0 | C |
| | IR-13-00015-NHT-408-B | First base course layer of road from Sta.B 0+200 to Sta.B 0+400 | 10/27/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-409-A | Cast blinding concrete under retaining wall's foundation from Sta.E 0+106 to Sta.E 0+165 at RHS | 9/3/2014 | 9/3/2014 | 9/4/2014 | 1 | A |
| | IR-13-00015-NHT-410-A | Subgrade of road from Sta.A 1+900 to Sta.A 2+260 | 9/4/2014 | 9/6/2014 | 9/7/2014 | 1 | A |
| | IR-13-00015-NHT-411-A | Second base course layer for trench reinstatement from Sta.A 5+000 to Sta.A 5+700 | 9/4/2014 | 9/6/2014 | 9/7/2014 | 1 | A |
| | IR-13-00015-NHT-412-A | Steel reinforcement and final formwork for step barriers Steel reinforcement and final formwork for step barriers From Sta.A 0+484.0 to Sta.A 0+491.20 ,From Sta.A 0+498.4 to Sta.A 0+505.60,From Sta.A 0+512.80 to Sta.A 0+520.0 and From Sta.A 0+527.20 to Sta.A0+534.40 | 9/4/2014 | 9/6/2014 | 9/7/2014 | 1 | A |
| | IR-13-00015-NHT-413-A | Cast concrete for step barriers Steel reinforcement and final formwork for step barriers From Sta.A 0+484.0 to Sta.A 0+491.20 ,From Sta.A 0+498.4 to Sta.A 0+505.60,From Sta.A 0+512.80 to Sta.A 0+520.0 and From Sta.A 0+527.20 to Sta.A0+534.40 | 9/4/2014 | 9/6/2014 | 9/7/2014 | 1 | A |
| | IR-13-00015-NHT-414-A | Steel reinforcement for stem of boundary wall From Sta.B 0+640 to Sta.B 0+678 at LHS | 11/17/2014 | 11/17/2014 | 11/18/2014 | 1 | ~~A~~ |
| | IR-13-00015-NHT-415-A | Pressure tests for 2 inch water pipeline from Sta.A 2+260 to Sta.A 2+940 at RHS | 9/6/2014 | 9/9/2014 | 9/9/2014 | 0 | A |
| | IR-13-00015-NHT-416-A | Subgrade of road from Sta. A6+600 to Sta. A6+400 | 11/17/2014 | 11/17/2014 | 11/18/2014 | 1 | ~~A~~ |
| | IR-13-00015-NHT-417-A | base course layer of road from Sta.A 2+320 to Sta.A 3+100 | 9/6/2014 | 9/6/2014 | 9/8/2014 | 2 | C |
| | IR-13-00015-NHT-417-B | base course layer of road from Sta.A 2+320 to Sta.A 3+100 | 9/11/2014 | 9/11/2014 | 9/11/2014 | 0 | A |
| | IR-13-00015-NHT-418-A | Steel reinforcement and final formwork for step barriers From Sta.A 0+491.20 to Sta.A 0+498.4, From Sta.A 0+505.60 to Sta.A0+512.8 , From Sta.A 0+520 to Sta.A 0+527.20 and From Sta.A 0+534.4 to Sta.A 0+541.60 | 9/7/2014 | 9/7/2014 | 9/8/2014 | 1 | A |
| | IR-13-00015-NHT-419-A | Cast concrete for step barriers From Sta.A 0+491.20 to Sta.A 0+498.4, From Sta.A 0+505.60 to Sta.A0+512.8 , From Sta.A 0+520 to Sta.A 0+527.20 and From Sta.A 0+534.4 to Sta.A 0+541.60 | 9/7/2014 | 9/7/2014 | 9/8/2014 | 1 | A |

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| | IR-13-00015-NHT-420-A | Second base course layer of road widening from Sta.A 3+400 to Sta.A 3+800 | 9/7/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-421-A | Second base course layer of trench reinstatement from Sta.A 4+200 to Sta.A 5+000 at RHS | 09/07/14 | 09/07/14 | 9/8/2014 | 1 | A |
| | IR-13-00015-NHT-422-A | Subgrade of road from Sta.A 2+250 to Sta.A 2+350 | 9/7/2014 | 9/7/2014 | 9/8/2014 | 1 | A |
| | IR-13-00015-NHT-423-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+544.60 to Sta.A 0+551.80 and from Sta.A 0+559.00 to Sta.A 0+566.20 | 9/7/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-424-A | Cast concrete for step barriers from Sta.A 0+544.60 to Sta.A 0+551.80 and from Sta.A 0+559.00 to Sta.A 0+566.20 | 9/7/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-425-A | Steel reinforcement and final formwork for retaining wall from Sta.E 0+106 to Sta.A 0+135 at RHS | 9/8/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-426-A | Cast concrete for retaining wall from Sta.E 0+106 to Sta.A 0+135 at RHS | 9/8/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-427-A | Subgrade of road From Sta.A 3+100 to Sta.A 3+240 | 9/9/2014 | 9/9/2014 | 9/10/2014 | 1 | A |
| | IR-13-00015-NHT-428-A | First base course layer for trench reinstatement from Sta.A 4+580 to Sta.A 4+740 at RHS From Sta.A 3+820 to Sta.A 3+920 | 9/8/2014 | 9/8/2014 | 9/9/2014 | 1 | A |
| | IR-13-00015-NHT-429-A | Second base course layer for trench reinstatement from Sta.A 3+820 to Sta.A 3+920 | 9/9/2014 | 9/9/2014 | 9/9/2014 | 0 | A |
| | IR-13-00015-NHT-430-A | First base course layer for trench reinstatement from Sta.A 4+050 to Sta.A 4+120 at RHS | 9/9/2014 | 9/9/2014 | 9/9/2014 | 0 | A |
| | IR-13-00015-NHT-431-A | Spraying MC for road widening From Sta.A 3+420 to Sta.A 3+800 | 9/9/2014 | 9/9/2014 | 9/10/2014 | 1 | A |
| | IR-13-00015-NHT-432-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+551.8 to Sta.A 0+559.0 at LHS and from Sta.A 0+594.0 to Sta.A 0+601.2 at LHS | 9/10/2014 | 9/10/2014 | 9/11/2014 | 1 | A |
| | IR-13-00015-NHT-433-A | Cast concrete for step barriers from Sta.A 0+551.8 to Sta.A 0+559.0 at LHS and from Sta.A 0+594.0 to Sta.A 0+601.2 at LHS | 9/10/2014 | 9/10/2014 | 9/11/2014 | 1 | A |
| | IR-13-00015-NHT-434-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+572.0 to Sta.A 0+579.0 at RHS and from Sta.A 0+586.4 to Sta.A 0+593.6 at RHS | 9/10/2014 | 9/10/2014 | 9/11/2014 | 1 | A |
| | IR-13-00015-NHT-435-A | Cast concrete for step barriers from Sta.A 0+572.0 to Sta.A 0+579.0 at RHS and from Sta.A 0+586.4 to Sta.A 0+593.6 at RHS | 9/10/2014 | 9/10/2014 | 9/11/2014 | 1 | A |
| | IR-13-00015-NHT-436-A | Second base course layer for trench reinstatement from Sta.A 4+000 to Sta.A 4+200 at RHS | 9/10/2014 | 9/10/2014 | 9/11/2014 | 1 | A |
| | IR-13-00015-NHT-437-A | Second base course layer for trench reinstatement from Sta.A 3+920 to Sta.A 4+000 at RHS | 9/11/2014 | 9/11/2014 | 9/11/2014 | 0 | A |

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| | IR-13-00015-NHT-438-A | Base course layer of road from Sta.A 2+040 to Sta.A 2+320 | 09/11/14 | 09/11/14 | 9/11/2014 | 0 | A |
| | IR-13-00015-NHT-439-A | Topping layer of road from Sta.A 3+170 to Sta.A 3+245 | 09/11/14 | 09/11/14 | 9/11/2014 | 0 | A |
| | IR-13-00015-NHT-440-A | Final preparing of base course from Sta.A 2+280 to Sta.A 3+100 | 9/11/2014 | 9/12/2014 | 9/13/2014 | 1 | A |
| | IR-13-00015-NHT-441-A | Spreading and compacting asphalt layer for road from Sta.A 2+280 to Sta.A 3+100 | 9/11/2014 | 9/13/2014 | 9/14/2014 | 1 | A |
| | IR-13-00015-NHT-442-A | Final formwork, steel fixing and casting concrete for step barriers from Sta. A0+594.4 to Sta. A0+601.2, from Sta. A0+628.8 to Sta. A0+636 LHS | 9/14/2014 | 9/15/2014 | 9/15/2014 | 0 | A |
| | IR-13-00015-NHT-443-A | Steel reinforcement for stem of retaining wall from Sta.E 0+106 to Sta.E 0+135 at RHS | 9/14/2014 | 9/14/2014 | 9/15/2014 | 1 | A |
| | IR-13-00015-NHT-444-A | Pressure test for 3 inch pipeline and house connection from Sta.A 1+990 to Sta.A 2+250 | 9/14/2014 | 9/13/2014 | 9/13/2014 | 0 | A |
| | IR-13-00015-NHT-445-A | Cast blinding concrete for retaining wall from Sta.A 1+250 to Sta.A 1+290 at RHS | 9/14/2014 | 9/14/2014 | 9/15/2014 | 1 | A |
| | IR-13-00015-NHT-446-A | First base course layer of road from Sta.B 0+400 to Sta.B 0+680 | 9/14/2014 | 9/14/2014 | 9/15/2014 | 1 | A |
| | IR-13-00015-NHT-447-A | Installation of guardrail for road from Sta.A 2+280 to Sta.A 3+100 at LHS | 9/14/2014 | 9/15/2014 | 9/15/2014 | 0 | A |
| | IR-13-00015-NHT-448-A | Steel reinforcement and final formwork for step barriers From Sta.A 0+579.0 to Sta.A 0+586.4 at RHS, From Sta.A 0+593.6 to Sta.A 0+600.8 at RHS, From Sta.A 0+559.0 to Sta.A 0+566.2 at LHS, From Sta.A 0+604.2 to Sta.A 0+611.4 at LHS,From Sta.A 0+618.6 to Sta.A 0+625.8 at LHS | 9/14/2014 | 9/13/2014 | 9/14/2014 | 1 | A |
| | IR-13-00015-NHT-449-A | Cast concrete for step barriers From Sta.A 0+579.0 to Sta.A 0+586.4 at RHS, From Sta.A 0+593.6 to Sta.A 0+600.8 at RHS,From Sta.A 0+559.0 to Sta.A 0+566.2 at LHS, From Sta.A 0+604.2 to Sta.A 0+611.4 at LHS,From Sta.A 0+618.6 to Sta.A 0+625.8 at LHS | 09/14/14 | 09/13/14 | 9/14/2014 | 1 | A |
| | IR-13-00015-NHT-450-A | Spreading MC for trench reinstatement from Sta.A 4+400 to Sta.A 5+700 at RHS | 09/14/14 | 09/13/14 | 9/15/2014 | 2 | D |
| | IR-13-00015-NHT-450-B | Spreading MC and 3/4 inch asphalt layer for trench reinstatement from Sta.A 4+400 to Sta.A 5+700 at RHS | 09/21/14 | 09/21/14 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-451-A | Spreading MC for road widening from Sta.A 3+420 to Sta.A 4+400 at RHS | 9/14/2014 | 9/14/2014 | 9/15/2014 | 1 | D |
| | IR-13-00015-NHT-451-B | Spreading MC and 3/4 inch asphalt layer for road widening from Sta.A 3+420 to Sta.A 4+400 at RHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-452-A | First layer of backfilling behind retaining wall from Sta.A 1+290 to Sta.A 1+380 at RHS | 9/14/2014 | 9/14/2014 | 9/15/2014 | 1 | A |

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| | IR-13-00015-NHT-453-A | Cast blinding concrete for retaining wall - segment E from Sta.E 0+045 to Sta.A 0+083 at RHS | 9/15/2014 | 9/15/2014 | 9/16/2014 | 1 | C |
| | IR-13-00015-NHT-453-B | Cast blinding concrete for retaining wall - segment E from Sta.E 0+045 to Sta.A 0+083 at RHS | 9/17/2014 | 9/17/2014 | 9/17/2014 | 0 | C |
| | IR-13-00015-NHT-453-C | Cast blinding concrete under retaining wall's foundation- Segment E from Sta.E 0+045 to Sta.A 0+083 at RHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-454-A | Second backfilling layer behind retaining wall -Segment A From Sta.A 1+290 to Sta.A 1+380 at RHS | 9/15/2014 | 9/15/2014 | 9/16/2014 | 1 | A |
| | IR-13-00015-NHT-455-A | Second Base course layer of road -Segment A from Sta.A 0+860 to Sta.A 1+000 | 9/15/2014 | 9/15/2014 | 9/16/2014 | 1 | C |
| | IR-13-00015-NHT-455-B | Second Base course layer of road -Segment A from Sta.A 0+860 to Sta.A 1+000 | 10/26/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-456-A | Base course layer of road -Segment A From Sta.A 3+100 to Sta.A 3+240 | 9/15/2014 | 9/15/2014 | 9/16/2014 | 1 | A |
| | IR-13-00015-NHT-457-A | Second base course layer of road from Sta.A 0+120 to Sta.A 0+500 | 9/15/2014 | 9/15/2014 | 9/16/2014 | 1 | C |
| | IR-13-00015-NHT-457-B | Second base course layer of road from Sta.A 0+120 to Sta.A 0+500 | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | A |
| | IR-13-00015-NHT-458-A | Final formwork for stem of retaining wall from Sta.E 0+106 to Sta.E 0+135 at LHS | 9/16/2014 | 9/17/2014 | 9/17/2014 | 0 | A |
| | IR-13-00015-NHT-459-A | Cast concrete for stem of retaining wall from Sta.E 0+106 to Sta.E 0+135 at LHS | 9/16/2014 | 9/17/2014 | 9/17/2014 | 0 | A |
| | IR-13-00015-NHT-460-A | First base course layer for road from Sta.A 1+060 to Sta.A 1+140 at LHS | 9/16/2014 | 9/17/2014 | 9/17/2014 | 0 | C |
| | IR-13-00015-NHT-460-B | First base course layer for road from Sta.A 1+060 to Sta.A 1+140 at LHS | 10/26/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-461-A | Third backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 | 9/16/2014 | 9/17/2014 | 9/17/2014 | 0 | A |
| | IR-13-00015-NHT-462-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+592.80 to Sta.A 0+594.00 at LHS,From Sta.A 0+620.00 to Sta.A 0+627.20 at LHS, From Sta.A 0+627.20 to Sta.A 0+634.40 at LHS,From Sta.A 0+634.40 to Sta.A 0+641.60 at LHS | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | A |
| | IR-13-00015-NHT-463-A | Cast concrete for step barriers From Sta.A 0+592.80 to Sta.A 0+594.00 at LHS,From Sta.A 0+620.00 to Sta.A 0+627.20 at LHS, From Sta.A 0+627.20 to Sta.A 0+634.40 at LHS,From Sta.A 0+634.40 to Sta.A 0+641.60 at LHS | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | A |
| | IR-13-00015-NHT-464-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+641.60 to Sta.A 0+648.80 at LHS, From Sta.A 0+652.00 to Sta.A 0+659.20 at LHS,From Sta.A 0+662.20 to Sta.A 0+669.20 at LHS,From Sta.A 0+672.20 to Sta.A 0+679.40 at LHS. | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | A |

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| | IR-13-00015-NHT-465-A | Cast concrete for step barriers From Sta.A 0+641.60 to Sta.A 0+648.80 at LHS, From Sta.A 0+652.00 to Sta.A 0+659.20 at LHS,From Sta.A 0+662.20 to Sta.A 0+669.20 at LHS,From Sta.A 0+672.20 to Sta.A 0+679.40 at LHS | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | A |
| | IR-13-00015-NHT-466-A | Final preparing of base course before spreading MC From Sta.A 0+120 to Sta.A 0+500 | 9/17/2014 | 9/17/2014 | 9/18/2014 | 1 | A |
| | IR-13-00015-NHT-467-A | From Sta.A 0+120 to Sta.A 0+500 From Sta.A 0+120 to Sta.A 0+500 | 9/17/2014 | 9/17/2014 | 9/18/2014 | 1 | A |
| | IR-13-00015-NHT-468-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+585.60 to Sta.A 0+592.00 at LHS,From Sta.A 0+725.00 to Sta.A 0+732.20 at LHS,From Sta.A 0+746.00 to Sta.A 0+753.20 at LHS,From Sta.A 0+760.40 to Sta.A 0+767.60 at LHS,From Sta.A 0+774.80 to Sta.A 0+782.00 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS | 9/17/2014 | 9/17/2014 | 9/18/2014 | 1 | C |
| | IR-13-00015-NHT-469-A | Cast concrete for step barriers From Sta.A 0+585.60 to Sta.A 0+592.00 at LHS,From Sta.A 0+725.00 to Sta.A 0+732.20 at LHS,From Sta.A 0+746.00 to Sta.A 0+753.20 at LHS,From Sta.A 0+760.40 to Sta.A 0+767.60 at LHS,From Sta.A 0+774.80 to Sta.A 0+782.00 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS | 9/17/2014 | 9/17/2014 | 9/18/2014 | 1 | C |
| | IR-13-00015-NHT-470-A | Spreading 1 inch asphalt layer for road from Sta.A 0+120 to Sta.A 0+480 | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | A |
| | IR-13-00015-NHT-471-A | (1000.20) LM of 4 inch steel pipe, (366) LM of 3 inch steel pipe and (719.80) LM of 6 inch steel pipe,(30) Piece of 3 inch shrinkable sheet, (82) piece of 4 inch shrinkable sheet and (59) pieces of 6 inch shrinkable sheet | 9/18/2014 | 9/18/2014 | 9/18/2014 | 0 | C |
| | IR-13-00015-NHT-471-B | (1000.20) LM of 4 inch steel pipe, (366) LM of 3 inch steel pipe and (719.80) LM of 6 inch steel pipe,(30) Piece of 3 inch shrinkable sheet, (82) piece of 4 inch shrinkable sheet and (59) pieces of 6 inch shrinkable sheet | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-472-A | Fourth backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at LHS | 9/18/2014 | 9/20/2014 | 9/21/2014 | 1 | A |
| | IR-13-00015-NHT-473-A | Welding and painting of Tee (3 "/2 ") SJ17, SJ18, and SJ19 …. SJ45 | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-474-A | Reinforcement steel and final formwork for retaining wall's foundation From Sta.A 1+250 to Sta.A 1+290 at LHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-475-A | Cast concrete for retaining wall's foundation From Sta.A 1+250 to Sta.A 1+290 at LHS | 09/21/2-14 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-476-A | Reinforcement steel and final formwork for retaining wall's foundation-segment E From Sta.E 0+135 to Sta.E 0+160 at LHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |

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| | IR-13-00015-NHT-477-A | Cast concrete for retaining wall's foundation-segment E from Sta.E 0+135 to Sta.E 0+160 at LHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-478-A | Reinforcement steel and final formwork for step barriers-segment A From Sta.A 0+578.40 to Sta.A 0+585.60 at LHS, From Sta.A 0+738.80 to Sta.A 0+746.00 at LHS,From Sta.A 0+753.20 to Sta.A 0+760.40 at LHS,From Sta.A 0+767.60 to Sta.A 0+774.80 at LHS,From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS,From Sta.A 0+799.40 to Sta.A 0+806.60 at LHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-479-A | Cast concrete for step barriers-segment A From Sta.A 0+578.40 to Sta.A 0+585.60 at LHS, From Sta.A 0+738.80 to Sta.A 0+746.00 at LHS,From Sta.A 0+753.20 to Sta.A 0+760.40 at LHS,From Sta.A 0+767.60 to Sta.A 0+774.80 at LHS,From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS,From Sta.A 0+799.40 to Sta.A 0+806.60 at LHS | 9/21/2014 | 9/21/2014 | 9/21/2014 | 0 | A |
| | IR-13-00015-NHT-480-A | Reinforcement steel and final formwork for step barriers-segment A From Sta.A 0+571.20 to Sta.A 0+578.40 at LHS,From Sta.A 0+731.60 to Sta.A 0+738.80 at LHS,From Sta.A 0+792.20 to Sta.A 0+799.40 at LHS | 9/21/2014 | 9/22/2014 | 9/22/2014 | 0 | A |
| | IR-13-00015-NHT-481-A | Cast concrete for step barriers-segment A From Sta.A 0+571.20 to Sta.A 0+578.40 at LHS,From Sta.A 0+731.60 to Sta.A 0+738.80 at LHS,From Sta.A 0+792.20 to Sta.A 0+799.40 at LHS | 9/21/2014 | 9/22/2014 | 9/22/2014 | 0 | A |
| | IR-13-00015-NHT-482-A | Subgrade material for road from Sta.A 1+460 to Sta.A 1+760. | 9/22/2014 | 9/23/2014 | 9/24/2014 | 1 | C |
| | IR-13-00015-NHT-482-B | Subgrade material for road from Sta.A 1+460 to Sta.A 1+760. | 10/16/2014 | 10/18/2014 | 10/18/2014 | 0 | A |
| | IR-13-00015-NHT-483-A | Reinforcement steel for stem of retaining wall from Sta.E 0+121 to Sta.E 0+135. | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | C |
| | IR-13-00015-NHT-483-B | Reinforcement steel for stem of retaining wall from Sta.E 0+121 to Sta.E 0+135 | 9/25/2014 | 9/25/2014 | 9/25/2014 | 0 | A |
| | IR-13-00015-NHT-484-A | Reinforcement steel and final formwork for step barriers from Sta.A 0+810 to Sta.A 0+817.20 , from Sta.A 0+824.4 to Sta.A 0+831.6 and from Sta.A 0+838.8 to Sta.A 0+846 at LHS | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | A |
| | IR-13-00015-NHT-485-A | Cast concrete for step barriers from Sta.A 0+810 to Sta.A 0+817.20 , from Sta.A 0+824.4 to Sta.A 0+831.6 and from Sta.A 0+838.8 to Sta.A 0+846 t LHS | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | A |
| | IR-13-00015-NHT-486-A | Excavation and spreading single size under foundation of flow monitoring manhole at Sta.A 0+720 at RHS | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | C |
| | IR-13-00015-NHT-486-B | Excavation and spreading single size under foundation of flow monitoring manhole at Sta.A 0+720 at RHS | 9/25/2014 | 9/25/2014 | 9/25/2014 | 0 | A |

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| | IR-13-00015-NHT-487-A | Excavation and spreading single size under buttery fly and ARV manhole at Sta.A 1+106 | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | A |
| | IR-13-00015-NHT-488-A | Reinforcement steel for foundation of buttery fly and ARV manhole at Sta.A 1+106 | 9/22/2014 | 9/23/2014 | 9/23/2014 | 0 | A |
| | IR-13-00015-NHT-489-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+817.20 to Sta.A 0+824.40 at LHS, From Sta.A 0+831.60 to Sta.A 0+838.80 at LHS,From Sta.A 0+853.20 to Sta.A 0+860.40 at LHS | 9/23/2014 | 9/24/2014 | 9/24/2014 | 0 | A |
| | IR-13-00015-NHT-490-A | Cast concrete for step barriers From Sta.A 0+817.20 to Sta.A 0+824.40 at LHS, From Sta.A 0+831.60 to Sta.A 0+838.80 at LHS,From Sta.A 0+853.20 to Sta.A 0+860.40 at LHS | 9/23/2014 | 9/24/2014 | 9/24/2014 | 0 | A |
| | IR-13-00015-NHT-491-A | Steel reinforcement for stem of retaining wall-segment A From Sta.A 1+270 to Sta.A 1+290 at LHS | 9/23/2014 | 9/23/2014 | 9/24/2014 | 1 | C |
| | IR-13-00015-NHT-491-B | Steel reinforcement for stem of retaining wall-segment A From Sta.A 1+270 to Sta.A 1+290 at LHS | 9/25/2014 | 9/25/2014 | 9/25/2014 | 0 | A |
| | IR-13-00015-NHT-492-A | Final formwork for stem of retaining wall from Sta.A 1+270 to Sta.A 1+290 | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-493-A | Cast concrete for stem of retaining wall from Sta.A 1+270 to Sta.A 1+290 | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-494-A | Reinforcement steel for stem of retaining wall from Sta.E 0+135 to Sta.E 0+160 at RHS | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-495-A | Second base course layer for road from Sta.B 0+220 to Sta.B 0+600 | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-496-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+824.4 to Sta.A 0+831.6 at LHS, From Sta.A 0+837.8 to Sta.A 0+845 at LHS, From Sta.A 0+846 to Sta.A 0+853.2 at LHS | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-497-A | Cast concrete for step barriers From Sta.A 0+824.4 to Sta.A 0+831.6 at LHS, From Sta.A 0+837.8 to Sta.A 0+845 at LHS, From Sta.A 0+846 to Sta.A 0+853.2 at LHS | 9/25/2014 | 9/27/2014 | 9/28/2014 | 1 | A |
| | IR-13-00015-NHT-498-A | Weld joint 10 inch without cement lining (visual inspection) and weld joint 10 inch with cement lining (for RT) to qualify welder Naga | 9/28/2014 | 9/28/2014 | 9/29/2014 | 1 | C |
| | IR-13-00015-NHT-498-B | Weld joint 10 inch without cement lining (visual inspection) and weld joint 10 inch with cement lining (for RT) to qualify welder Naga | 10/26/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-499-A | Final formwork for stem of retaining wall-segment E From Sta.E 0+121 to Sta.E 0+135 at RHS | 9/28/2014 | 9/28/2014 | 9/29/2014 | 1 | A |
| | IR-13-00015-NHT-500-A | Cast concrete for butterfly, ARV manhole and flow monitoring chamber At Sta.A 1+106 and Sta.A 0+720 | 9/28/2014 | 9/28/2014 | 9/29/2014 | 1 | A |
| | IR-13-00015-NHT-501-A | Spreading MC and asphalt layer of road from Sta.B 0+300 to Sta.B 0+680 | 9/28/2014 | 9/28/2014 | 9/29/2014 | 1 | A |

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| | IR-13-00015-NHT-502-A | Pressure test for 2 inch pipe from Sta.B 0+190 to Sta.B 0+370, from Sta.B 0+370 to Sta.B 0+550 and from Sta.B 0+550 to Sta.B 0+680 | 9/28/2014 | 9/28/2014 | 9/29/2014 | 1 | A |
| | IR-13-00015-NHT-503-A | Final formwork and steel reinforcement for foundation of retaining wall-segment E From Sta.E 0+045 to Sta.E 0+083 at RHS | 9/29/2014 | 9/29/2014 | 9/30/2014 | 1 | A |
| | IR-13-00015-NHT-504-A | Final formwork for stem of retaining wall-segment E From Sta.E 0+135 to Sta.E 0+160 at RHS | 9/29/2014 | 9/29/2014 | 9/30/2014 | 1 | A |
| | IR-13-00015-NHT-505-A | Cast concrete for stem of retaining wall-segment E From Sta.E 0+121 to Sta.E 0+135 at RHS | 9/29/2014 | 9/29/2014 | 9/30/2014 | 1 | A |
| | IR-13-00015-NHT-506-A | Reinforcement steel for walls of manholes ,ARV and butterfly chamber at Sta.A 1+106 ,Flow monitoring chamber at Sta.A 0+720 | 9/30/2014 | 9/30/2014 | 10/1/2014 | 1 | A |
| | IR-13-00015-NHT-507-A | Final formwork for walls of manholes ,ARV and butterfly chamber at Sta.A 1+106 ,Flow monitoring chamber at Sta.A 0+720 | 9/30/2014 | 10/1/2014 | 10/1/2014 | 0 | A |
| | IR-13-00015-NHT-508-A | Cast concrete for walls of manholes ,ARV and butterfly chamber at Sta.A 1+106 ,Flow monitoring chamber at Sta.A 0+720 | 9/30/2014 | 10/1/2014 | 10/1/2014 | 0 | A |
| | IR-13-00015-NHT-509-A | Cast concrete for foundation of retaining wall from Sta.E 0+045 to Sta.E 0+083 at RHS | 9/30/2014 | 10/1/2014 | 10/1/2014 | 0 | A |
| | IR-13-00015-NHT-510-A | Cast concrete for stem of retaining wall from Sta.E 0+148 to Sta.E 0+160 at RHS | 9/30/2014 | 9/30/2014 | 10/1/2014 | 1 | A |
| | IR-13-00015-NHT-511-A | Subgrade of road from Sta.B 0+000 to Sta.B 0+200 | 9/30/2014 | 9/30/2014 | 10/1/2014 | 1 | C |
| | IR-13-00015-NHT-511-B | Subgrade of road from Sta.B 0+000 to Sta.B 0+200 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-512-A | Reinforcement steel for step barriers From Sta.A 0+860.0 to Sta.A 0+867.4 at LHS,From Sta.A 0+874.8 to Sta.A 0+882.2 at LHS,From Sta.A 0+889.6 to Sta.A 0+897.0 at LHS,From Sta.A 0+907.0 to Sta.A 0+908.1 at LHS and From Sta.A 0+915.5 to Sta.A 0+922.9 at LHS | 10/1/2014 | 10/1/2014 | 10/1/2014 | 0 | A |
| | IR-13-00015-NHT-513-A | Cast concrete for step barriers From Sta.A 0+860.0 to Sta.A 0+867.4 at LHS,From Sta.A 0+874.8 to Sta.A 0+882.2 at LHS,From Sta.A 0+889.6 to Sta.A 0+897.0 at LHS,From Sta.A 0+907.0 to Sta.A 0+908.1 at LHS and From Sta.A 0+915.5 to Sta.A 0+922.9 at LHS | 10/1/2014 | 10/1/2014 | 10/1/2014 | 0 | A |
| | IR-13-00015-NHT-514-A | Reinforcement steel for stem of retaining wall from Sta.E 0+135 to Sta.E 0+148 at RHS | 10/9/2014 | 10/9/2014 | 10/9/2014 | 0 | A |
| | IR-13-00015-NHT-515-A | Installation of curbstone from Sta.B 0+550 to Sta.B 0+680 at LHS and from Sta.B 0+470 to Sta.B 0+520 at RHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |

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| | IR-13-00015-NHT-516-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+867.4 to Sta.A 0+874.8 at LHS, From Sta.A 0+882.20 to Sta.A 0+889.6 at RHS, From Sta.A 0+897 to Sta.A 0+907 at LHS,From Sta.A 0+908.10 to Sta.A 0+915.50 at RHS and From Sta.A 0+922.90 to Sta.A 0+930.30 at LHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-517-A | Cast concrete for step barriers From Sta.A 0+867.4 to Sta.A 0+874.8 at LHS, From Sta.A 0+882.20 to Sta.A 0+889.6 at RHS, From Sta.A 0+897 to Sta.A 0+907 at LHS,From Sta.A 0+908.10 to Sta.A 0+915.50 at LHS and From Sta.A 0+922.90 to Sta.A 0+930.30 at LHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-518-A | Steel reinforcement and final formwork for concrete support-segment D S (62), S (61), S (60), S (59) and S (58) | 10/9/2014 | 10/12/2014 | 10/13/2014 | 1 | C |
| | IR-13-00015-NHT-518-B | Steel reinforcement and final formwork for concrete support-segment D S (62), S (61), S (60), S (59) and S (58) | 10/16/2014 | 10/22/2014 | 10/22/2014 | 0 | A |
| | IR-13-00015-NHT-519-A | Subgrade of road from Sta.A 1+160 to Sta.A 1+300 | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-520-A | Reinforcement steel for stem of retaining wall from Sta.E 0+045 to Sta.E 0+057 and from Sta.E 0+070 to Sta.A 0+083 at RHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-521-A | Final formwork for stem of retaining wall from Sta.E 0+135 to Sta.E 0+148 at RHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-522-A | Cast concrete for stem of retaining wall from Sta.E 0+135 to Sta.E 0+148 at RHS | 10/9/2014 | 10/11/2014 | 10/12/2014 | 1 | A |
| | IR-13-00015-NHT-523-A | Ductile iron cover (750 mm clear opening | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | C |
| | IR-13-00015-NHT-523-B | Ductile iron cover (750 mm clear opening | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-524-A | Excavation and foundation for one side shutter of stone wall protection from Sta.E 0+550 to Sta.E 0+595.29 at LHS | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |
| | IR-13-00015-NHT-525-A | Steel reinforcement for one side shutter of stone wall protection from Sta.E 0+540 to Sta.E 0+610 at LHS | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |
| | IR-13-00015-NHT-526-A | Excavation, installation and isolation for washout manhole 3 inch manhole and 12 inch manhole at Sta.A 1+340 at LHS | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | C |
| | IR-13-00015-NHT-526-B | Excavation, installation and isolation for washout manhole 3 inch manhole and 12 inch manhole at Sta.A 1+340 at LHS | 10/16/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-527-A | Isolation of manhole with bitumen protective coating combination ARV and butterfly valve at Sta.A 1+160 | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |
| | IR-13-00015-NHT-528-A | Isolation of manhole with bitumen protective coating Flow monitoring chamber at Sta.A 0+720 at RHS | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |

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| | IR-13-00015-NHT-529-A | Excavation, installation, isolation and final backfilling for manhole combination ARV (3") + G.V (3") at Sta.A 1+830 and combination GV (3") + GV (3") at Sta.A 2+265 | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |
| | IR-13-00015-NHT-530-A | Install of curbstone from Sta.B 0+380 to Sta.B 0+470 to RHS | 10/12/2014 | 10/13/2014 | 10/13/2014 | 0 | A |
| | IR-13-00015-NHT-531-A | Reinforcements steel and final formwork for step barriers from Sta.A 0+937.70 to Sta.A 0+945.10 , from Sta.A 0+952.5 to Sta.A 0+959.90 and from Sta.A 0+967.3 to Sta.A 0+974.70 at LHS | 10/12/2014 | 10/13/2014 | 10/13/2014 | 0 | A |
| | IR-13-00015-NHT-532-A | Cast concrete for step barriers from Sta.A 0+937.70 to Sta.A 0+945.10 , from Sta.A 0+952.5 to Sta.A 0+959.90 and from Sta.A 0+967.3 to Sta.A 0+974.70 at LHS | 10/12/2014 | 10/12/2014 | 10/13/2014 | 1 | A |
| | IR-13-00015-NHT-533-A | Final formwork for stem of retaining wall from Sta.E 0+045 to Sta.E 0+057 and from Sta.E 0+070 to Sta.E 0+083 at RHS | 10/12/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-534-A | Cast concrete for stem of retaining wall from Sta.E 0+045 to Sta.E 0+057 and from Sta.E 0+070 to Sta.E 0+083 at RHS | 10/12/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-535-A | Cast concrete for foundation of stone wall protection from Sta.E 0+540 to Sta.E 0+610 at LHS | 10/12/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-536-A | Excavation, installation, isolation and final backfill for washout chamber at Sta.A 0+930 | 10/13/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-537-A | Reinforcement steel and final formwork for step barriers From Sta.A 0+945.10 to Sta.A 0+952.5 at LHS,From Sta.A 0+959.9 to Sta.A 0+967.30 at LHS, from Sta.A 0+930 to Sta.A 0+937.40 at RHS and From Sta.A 0+944.80 to Sta.A 0+952.20 at RHS | 10/13/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-538-A | -(597.8) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- (49) Piece of 12 inch shrinkable sheet with (CPS) | 10/13/2014 | 10/13/2014 | 10/13/2014 | 0 | C |
| | IR-13-00015-NHT-538-B | -(597.8) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- (49) Piece of 12 inch shrinkable sheet with (CPS) | 11/30/2014 | 11/30/2014 | 12/1/2014 | 1 | C |
| | IR-13-00015-NHT-539-A | Cast concrete for step barriers From Sta.A 0+945.10 to Sta.A 0+952.5 at LHS,From Sta.A 0+959.9 to Sta.A 0+967.30 at LHS, from Sta.A 0+930 to Sta.A 0+937.40 at RHS and From Sta.A 0+944.80 to Sta.A 0+952.20 at RHS | 10/13/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-540-A | Backfill of road from Sta.A 1+360 to Sta.A 1+420(40 cm below subgrade) | 10/13/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-541-A | Pressure test for 2 inch distribution line from Sta.B 0+100 to Sta.B 0+200 | 10/13/2014 | 10/13/2014 | 10/14/2014 | 1 | A |
| | IR-13-00015-NHT-542-A | First base course layer for road from Sta.A 1+160 to Sta.A 1+300 | 10/14/2014 | 10/14/2014 | 10/15/2014 | 1 | A |

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| | IR-13-00015-NHT-543-A | Excavation of foundation for boundary wall from Sta.E 0+200 to Sta.E 0+246 at RHS | 10/13/2014 | 10/18/2014 | 10/18/2014 | 0 | A |
| | IR-13-00015-NHT-544-A | Start excavation of storm water from Sta.B 0+700 to Sta.B 0+980 | 10/14/2014 | 10/14/2014 | 10/15/2014 | 1 | C |
| | IR-13-00015-NHT-544-B | Start excavation of storm water from Sta.B 0+700 to Sta.B 0+980 | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-545-A | Steel reinforcement and final formwork for step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS | 10/14/2014 | 10/14/2014 | 10/15/2014 | 1 | C |
| | IR-13-00015-NHT-545-B | Steel reinforcement and final formwork for step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS | 10/21/2014 | 10/21/2014 | 10/21/2014 | 0 | A |
| | IR-13-00015-NHT-546-A | Cast concrete for step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS | 10/14/2014 | 10/14/2014 | 10/15/2014 | 1 | C |
| | IR-13-00015-NHT-546-B | Cast concrete for step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS | 10/21/2014 | 10/21/2014 | 10/21/2014 | 0 | A |
| | IR-13-00015-NHT-547-A | Start excavation of 4 inch gate valve chamber At Sta.B 0+010 | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-548-A | Reinforcement steel for concrete encasement from Sta.A 1+340 to Sta.A 1+374 at RHS | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-549-A | Cast concrete for concrete encasement from Sta.A 1+340 to Sta.A 1+374 at RHS | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-550-A | Reinforcement steel and internal face formwork for stem of retaining wall from Sta.E 0+057 to Sta.E 0+070 | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-551-A | Pressure test for 3 inch water pipeline and house connection from Sta.A 1+440 to Sta.A 1+840 | 10/15/2014 | 10/14/2014 | 10/15/2014 | 1 | A |
| | IR-13-00015-NHT-552-A | Reinforcement steel and final backfill for step barriers From Sta.A 0+959.60 to Sta.A 0+967 , from Sta.A 0+967 to Sta.A 0+974.40 at RHS and from Sta.A 0+467 to Sta.A 0+474 at LHS | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-553-A | Cast concrete for step barriers from Sta.A 0+959.60 to Sta.A 0+967 , from Sta.A 0+967 to Sta.A 0+974.40 at RHS and from Sta.A 0+467 to Sta.A 0+474 at LHS | 10/15/2014 | 10/15/2014 | 10/16/2014 | 1 | A |
| | IR-13-00015-NHT-554-A | Casting blinding concrete under foundation of boundary wall from Sta.E 0+501 to Sta.E 0+540 at LHS | 10/15/2014 | 10/21/2014 | 10/21/2014 | 0 | C |
| | IR-13-00015-NHT-554-B | Casting blinding concrete under foundation of boundary wall from Sta.E 0+501 to Sta.E 0+540 at LHS | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-555-A | Casting blinding concrete under foundation of boundary wall from Sta.E 0+200 to Sta.E 0+246 at RHS | 10/15/2014 | 10/18/2014 | 10/19/2014 | 1 | A |

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| | IR-13-00015-NHT-556-A | 744.20 LM of 4 inch steel pipe with ¼ inch 6.35 mm wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- 61 Piece of 4 inch shrinkable sheet with CPS.<br>-707.6 LM of 8 inch steel pipe with ¼ inch 6.35 mm wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- 58 Piece of 8 inch shrinkable sheet with CPS | 10/15/2014 | 10/16/2014 | 10/20/2014 | 4 | C |
| | IR-13-00015-NHT-556-B | 744.20 LM of 4 inch steel pipe with ¼ inch 6.35 mm wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- 61 Piece of 4 inch shrinkable sheet with CPS.<br>-707.6 LM of 8 inch steel pipe with ¼ inch 6.35 mm wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>- 58 Piece of 8 inch shrinkable sheet with CPS | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | C |
| | IR-13-00015-NHT-557-A | Fittings according MRR | 10/15/2014 | 10/16/2014 | 10/20/2014 | 4 | C |
| | IR-13-00015-NHT-558-A | Installation of curbstone from Sta.B 0+334 to Sta.B 0+380 at RHS and from Sta.B 0+463 to Sta.B 0+780 at LHS | 10/15/2014 | 10/16/2014 | 10/16/2014 | 0 | A |
| | IR-13-00015-NHT-559-A | Installation, isolation and final backfill Gate valve manhole at Sta.A 1+700. | 10/16/2014 | 10/21/2014 | 10/21/2014 | 0 | A |
| | IR-13-00015-NHT-560-A | Start excavation washout manhole at Sta.A 3+850 | 10/21/2014 | 10/22/2014 | 10/22/2014 | 0 | D |
| | IR-13-00015-NHT-560-B | Start excavation washout manhole at Sta.A 3+850 | 11/11/2014 | 11/11/2014 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-561-A | Internal face of formwork and steel reinforcement for stem of boundary wall from Sta.B 0+530 to Sta.B 0+536 | 10/21/2014 | 10/21/2014 | 10/21/2014 | 0 | A |
| | IR-13-00015-NHT-562-A | First base course layer of road from Sta.B 0+000 to Sta.B 0+220 | 10/16/2014 | 10/19/2014 | 10/20/2014 | 1 | C |
| | IR-13-00015-NHT-562-B | First base course layer of road from Sta.B 0+000 to Sta.B 0+220 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-563-A | Final formwork for stem of retaining wall from Sta.E 0+057 to Sta.E 0+070 at RHS | 10/16/2014 | 10/18/2014 | 10/19/2014 | 1 | A |
| | IR-13-00015-NHT-564-A | Cast concrete for stem of retaining wall from Sta.E 0+057 to Sta.E 0+070 at RHS | 10/16/2014 | 10/20/2014 | 10/20/2014 | 0 | A |
| | IR-13-00015-NHT-565-A | First layer of bitumen coating underground of retaining wall from Sta.E 0+121 to Sta.E 0+160 at RHS | 10/18/2014 | 10/18/2014 | 10/19/2014 | 1 | A |
| | IR-13-00015-NHT-566-A | Second layer of bitumen coating underground of retaining wall from Sta.E 0+121 to Sta.E 0+160 at RHS | 10/18/2014 | 10/18/2014 | 10/19/2014 | 1 | A |
| | IR-13-00015-NHT-567-A | Excavation, installation, isolation with bitumen and final backfill for gate valve precast manhole at Sta.B 0+010 | 10/18/14 | 10/18/14 | 10/19/2014 | 1 | A |

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| | IR-13-00015-NHT-568-A | Final formwork for one side shutter of stone wall protection up to 60 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/18/14 | 10/18/14 | 10/19/2014 | 1 | A |
| | IR-13-00015-NHT-569-A | Cast concrete for one side shutter of stone wall protection up to 60 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/18/14 | 10/18/14 | 10/19/2014 | 1 | A |
| | IR-13-00015-NHT-570-A | Start excavation for subgrade from Sta.A 6+200 to Sta.A 6+700 | 10/19/2014 | 10/19/2014 | 10/20/2014 | 1 | A |
| | IR-13-00015-NHT-571-A | Second base course layer of road from Sta.A 0+500 to Sta.A 1+300 | 10/19/2014 | 10/20/2014 | 10/20/2014 | 0 | C |
| | IR-13-00015-NHT-571-B | Second base course layer of road from Sta.A 0+500 to Sta.A 1+300 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-571-C | Second base course layer of road from Sta.A 0+500 to Sta.A 1+300 | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-572-A | Steel reinforcement and final formwork for one side shutter of stone wall protection up to 120 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/20/2014 | 10/20/2014 | 10/21/2014 | 1 | A |
| | IR-13-00015-NHT-573-A | Cast concrete for one side shutter of stone wall protection up to 120 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/20/2014 | 10/20/2014 | 10/21/2014 | 1 | A |
| | IR-13-00015-NHT-574-A | Steel reinforcement and final formwork for boundary wall's foundation From Sta.B 0+530 to Sta.B 0+536 at RHS | 10/20/2014 | 10/20/2014 | 10/21/2014 | 1 | A |
| | IR-13-00015-NHT-575-A | Cast concrete for boundary wall's foundation From Sta.B 0+530 to Sta.B 0+536 at RHS | 10/20/2014 | 10/20/2014 | 10/21/2014 | 1 | A |
| | IR-13-00015-NHT-576-A | Install of curbstone From Sta.B 0+520 to Sta.B 0+670 at RHS , and from Sta.B 0+330 to Sta.B 0+463 at LHS | 10/20/2014 | 10/21/2014 | 10/21/2014 | 0 | A |
| | IR-13-00015-NHT-577-A | Steel reinforcement and final formwork for one side shutter of stone wall protection up to 180 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/20/2014 | 10/21/2014 | 10/22/2014 | 1 | A |
| | IR-13-00015-NHT-578-A | Cast concrete for one side shutter of stone wall protection up to 180 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/20/2014 | 10/21/2014 | 10/22/2014 | 1 | A |

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| | IR-13-00015-NHT-579-A | Reinforcement steel and final formwork for concrete support at segment D S63, S64, S65, S66, S67 | 10/21/2014 | 10/21/2014 | 10/22/2014 | 1 | A |
| | IR-13-00015-NHT-580-A | Second base course layer from Sta.B 0+000 to Sta.B 0+220 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-580-B | Second base course layer from Sta.B 0+000 to Sta.B 0+220 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-581-A | Spreading prim coating (MC) From Sta.B 0+000 to Sta.B 0+300 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-581-B | Spreading prim coating (MC) From Sta.B 0+000 to Sta.B 0+300 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-582-A | Spreading and compacting asphalt layer From Sta.B 0+000 to Sta.B 0+300 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-582-B | Spreading and compacting asphalt layer From Sta.B 0+000 to Sta.B 0+300 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-583-A | Start excavation of subgrade From Sta. E0+900 to Sta. E1+155 | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-584-A | Final formwork and cast concrete for walls of combination (ARV and butterfly valve) At Sta. D0+512 | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-585-A | Spreading prim coating (MC) from Sta.A 3+100 to Sta.A 3+240 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-585-B | Spreading prim coating (MC) from Sta.A 3+100 to Sta.A 3+240 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-586-A | Spreading and compacting asphalt layer from Sta.A 3+100 to Sta.A 3+240 | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | C |
| | IR-13-00015-NHT-586-B | Spreading and compacting asphalt layer from Sta.A 3+100 to Sta.A 3+240 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-587-A | Subgrade of road from Sta.A 1+760 to Sta.A 1+860 | 10/22/2014 | 10/23/2014 | 10/23/2014 | 0 | A |
| | IR-13-00015-NHT-588-A | Reinforcement steel and final formwork for one side shutter of stone wall protection up to 240 cm high from Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/22/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-589-A | Cast concrete for one side shutter of stone wall protection up to 240 cm high from Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS | 10/22/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-590-A | First and second layer of bitumen protective coating for retaining wall from Sta.E 0+021 to Sta.E 0+083 at RHS | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | A |
| | IR-13-00015-NHT-591-A | Final formwork for boundary wall from Sta.B 0+530 to Sta.B 0+536 at RHS | 10/22/2014 | 10/22/2014 | 10/22/2014 | 0 | A |
| | IR-13-00015-NHT-592-A | Steel reinforcement and final formwork for boundary wall's foundation from Sta.E 0+225 to Sta.E 0+246 at RHS | 10/22/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-593-A | Cast concrete for boundary wall's foundation from Sta.E 0+225 to Sta.E 0+246 at RHS | 10/22/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-594-A | Spreading prime coat (MC) From Sta.A 0+480 to Sta.A 0+720 | 10/23/2014 | 10/23/2014 | 10/23/2014 | 0 | A |
| | IR-13-00015-NHT-595-A | Spreading and compacting asphalt From Sta.A 0+480 to Sta.A 0+720 | 10/23/2014 | 10/23/2014 | 10/23/2014 | 0 | A |
| | IR-13-00015-NHT-596-A | First backfilling layer behind retaining wall from Sta.E 0+106 to Sta.E 0+180 at RHS | 10/23/2014 | 10/23/2014 | 10/23/2014 | 0 | A |

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| | IR-13-00015-NHT-597-A | Spreading prime coat (MC) From Sta.A 0+720 to Sta.A 1+100 | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-598-A | Spreading and compacting asphalt From Sta.A 0+720 to Sta.A 1+100 | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-599-A | Final formwork, steel reinforcement and concrete casting for boundary wall's foundation from Sta.B 0+594 to Sta.B 0+607 at LHS | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-600-A | Final formwork, steel reinforcement and concrete casting for boundary wall's foundation from Sta.B 0+471 to Sta.B 0+494.75 at LHS | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-601-A | Final formwork, steel reinforcement and concrete casting for boundary wall's foundation At Sta.B 0+554 with 8.15 cm length | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-602-A | Second backfilling layer behind retaining wall from Sta.E 0+106 to Sta.E 0+180 at RHS | 10/23/2014 | 10/25/2014 | 10/26/2014 | 1 | A |
| | IR-13-00015-NHT-603-A | Steel reinforcement ,final formwork and cast concrete for concrete support at segment D S47, S48 ….and S57 | 10/26/2014 | 10/26/2014 | 10/27/2014 | 1 | A |
| | IR-13-00015-NHT-604-A | Subgrade of road from Sta.A 0+106 to Sta.A 0+180 | 10/26/2014 | 10/26/2014 | 10/27/2014 | 1 | A |
| | IR-13-00015-NHT-605-A | Base course layer of road from Sta.A 1+460 to Sta.A 1+800 | 10/26/2014 | 10/26/2014 | 10/27/2014 | 1 | A |
| | IR-13-00015-NHT-606-A | Start excavation of water pipeline trench from Sta.A 7+000 to Sta.A 6+200 | 10/26/2014 | 10/26/2014 | 10/27/2014 | 1 | C |
| | IR-13-00015-NHT-606-B | Start excavation of water pipeline trench from Sta.A 7+000 to Sta.A 6+200 | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-607-A | Steel reinforcement, final formwork and cast concrete for foundation of boundary wall from Sta.B 0+880 to Sta.B 0+913 and from Sta.B 0+918 to Sta.B 0+925 at RHS | 10/26/2014 | 10/26/2014 | 10/27/2014 | 1 | A |
| | IR-13-00015-NHT-608-A | Final formwork for stone wall protection up to 60 cm high from Sta.E 0+600 to Sta.E 0+590, From Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/26/2014 | 10/27/2014 | 10/27/2014 | 0 | A |
| | IR-13-00015-NHT-609-A | Cast concrete for stone wall protection up to 60 cm high from Sta.E 0+600 to Sta.E 0+590, From Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-610-A | Steel reinforcement, final formwork and cast concrete for boundary wall's foundation from Sta.E 0+200 to Sta.E 0+220 at RHS | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-611-A | Steel reinforcement, final formwork and cast concrete for boundary wall's foundation. from Sta.E 0+520 to Sta.E 0+540 at LHS | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-612-A | Steel reinforcement for side walk from Sta.B 0+366 to Sta.B 0+516 at RHS and from Sta.B 0+321 to Sta.B 0+450 at LHS | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | C |
| | IR-13-00015-NHT-612-B | Steel reinforcement for side walk from Sta.B 0+366 to Sta.B 0+516 at RHS and from Sta.B 0+321 to Sta.B 0+450 at LHS | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-613-A | Cast concrete for side walk from Sta.B 0+366 to Sta.B 0+516 at RHS and from Sta.B 0+321 to Sta.B 0+450 at LHS | 10/26/2014 | 10/27/2014 | 10/28/2014 | 1 | C |

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| | IR-13-00015-NHT-613-B | Cast concrete for side walk from Sta.B 0+366 to Sta.B 0+516 at RHS and from Sta.B 0+321 to Sta.B 0+450 at LHS | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-614-A | Final formwork for stone wall protection up to 1.2 m high from Sta.E 0+600 to Sta.E 0+590, From Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-615-A | Cast concrete for stone wall protection up to 1.2 m high from Sta.E 0+600 to Sta.E 0+590, From Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-616-A | Spreading prime coat (MC) from Sta.A 1+100 to Sta.A 1+300 | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-617-A | Spreading and compacting asphalt layer from Sta.A 1+100 to Sta.A 1+300 | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | A |
| | IR-13-00015-NHT-618-A | Spreading prime coat (MC) from Sta.A 2+020 to Sta.A 2+280 | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | C |
| | IR-13-00015-NHT-618-B | Spreading prime coat (MC)from Sta.A 2+020 to Sta.A 2+160 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-619-A | Spreading and compacting asphalt layer from Sta.A 2+020 to Sta.A 2+280 | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | C |
| | IR-13-00015-NHT-619-B | Spreading and compacting asphalt layer from Sta.A 2+020 to Sta.A 2+160 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-620-A | Final formwork and cast concrete for stem of boundary wall from Sta.B 0+594 to Sta.B 0+607 at LHS | 10/27/2014 | 10/28/2014 | 10/28/2014 | 0 | A |
| | IR-13-00015-NHT-621-A | Final formwork and cast concrete for stem of boundary wall from Sta.B 0+471 to Sta.B 0+494.75 at LHS | 10/27/2014 | 10/28/2014 | 10/28/2014 | 0 | A |
| | IR-13-00015-NHT-622-A | Steel reinforcement, final formwork and cast concrete for foundation of combination washout and butterfly valve manhole at Sta.A 3+850 | 10/27/2014 | 10/27/2014 | 10/28/2014 | 1 | C |
| | IR-13-00015-NHT-623-A | Final formwork for stone wall protection up to 1.8 m high from Sta.E 0+600 to Sta.E 0+590, from Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/28/2014 | 10/28/2014 | 10/29/2014 | 1 | A |
| | IR-13-00015-NHT-624-A | Cast concrete for stone wall protection up to 1.8 m high from Sta.E 0+600 to Sta.E 0+590, from Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS | 10/28/2014 | 10/28/2014 | 10/29/2014 | 1 | A |
| | IR-13-00015-NHT-625-A | Spreading prime coat (MC) from Sta.A 1+460 to Sta.A 1+800 | 10/28/2014 | 10/28/2014 | 10/28/2014 | 0 | C |
| | IR-13-00015-NHT-625-B | Spreading prime coat (MC) from Sta.A 1+460 to Sta.A 1+600 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-626-A | Spreading and compacting asphalt layer from Sta.A 1+460 to Sta.A 1+800 | 10/28/2014 | 10/28/2014 | 10/28/2014 | 0 | C |
| | IR-13-00015-NHT-626-B | Spreading and compacting asphalt layer from Sta.A 1+460 to Sta.A 1+600 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-627-A | Steel reinforcement, and final formwork and cast concrete for wall of combination (butterfly and washout) manholes at Sta.A 3+850 | 10/28/2014 | 10/29/2014 | 10/29/2014 | 0 | C |
| | IR-13-00015-NHT-628-A | Final formwork for stone wall protection up to 2.4 m high from Sta.E 0+600 to Sta.E 0+590 and From Sta.E 0+580 to Sta.E 0+570 at LHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |

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| | IR-13-00015-NHT-629-A | Cast concrete for stone wall protection up to 2.4 m high from Sta.E 0+600 to Sta.E 0+590 and From Sta.E 0+580 to Sta.E 0+570 at LHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-630-A | Steel reinforcement and final formwork for stem of boundary wall from Sta.E 0+247 to Sta.E 0+234 and from Sta.E 0+222 to Sta.E 0+210 | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-631-A | Cast concrete for stem of boundary wall from Sta.E 0+247 to Sta.E 0+234 and from Sta.E 0+222 to Sta.E 0+210 | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-632-A | Cast blinding under foundation of boundary wall from Sta.A 1+330 to Sta.A 1+360 at RHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-633-A | Cast Blinding concrete under foundation of boundary wall from Sta.E 0+637 to Sta.E 0+647 at LHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-634-A | Steel reinforcement for stem of boundary wall from Sta.B 0+880 to Sta.B 0+913 and from Sta.B 0+918 to Sta.B 0+980 at RHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-635-A | Cast blinding concrete under foundation of retaining wall from Sta.A 6+505 to Sta.A 6+560 at LHS | 10/29/2014 | 10/29/2014 | 10/30/2014 | 1 | A |
| | IR-13-00015-NHT-636-A | Final formwork for stem of boundary wall from Sta.B 0+880 to Sta.B 0+913 and from Sta.B 0+918 to Sta.B 0+980 at RHS | 10/29/2014 | 10/30/2014 | 10/30/2014 | 0 | A |
| | IR-13-00015-NHT-637-A | Cast concrete for stem of boundary wall from Sta.B 0+880 to Sta.B 0+930 | 10/29/2014 | 11/1/2014 | 11/2/2014 | 1 | A |
| | IR-13-00015-NHT-638-A | Installation of guardrail for road from Sta.A 3+100 to Sta.A 3+250 at LHS | 10/29/2014 | 10/30/2014 | 10/30/2014 | 0 | A |
| | IR-13-00015-NHT-639-A | Steel reinforcement, final formwork and cast concrete for concrete support from S37 to S47 at segment D | 10/30/2014 | 10/30/2014 | 10/30/2014 | 0 | A |
| | IR-13-00015-NHT-640-A | Steel reinforcement and final formwork for roof slab of combination (butterfly and washout) manhole at Sta.A 3+850 at RHS | 10/30/2014 | 10/30/2014 | 10/30/2014 | 0 | C |
| | IR-13-00015-NHT-641-A | Cast concrete for roof slab of combination (butterfly and washout) manhole at Sta.A 3+850 at RHS | 10/30/2014 | 10/30/2014 | 10/30/2014 | 0 | C |
| | IR-13-00015-NHT-642-A | Steel reinforcement and final formwork for stem of retaining wall from Sta.E 0+234 to Sta.E 0+220 and from Sta.E 0+210 to Sta.E 0+200 | 10/30/2014 | 11/3/2014 | 11/3/2014 | 0 | A |
| | IR-13-00015-NHT-643-A | Cast concrete for stem of retaining wall from Sta.E 0+234 to Sta.E 0+220 and from Sta.E 0+210 to Sta.E 0+200 | 10/30/2014 | 11/3/2014 | 11/4/2014 | 1 | A |
| | IR-13-00015-NHT-644-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta.E 0+637 to Sta.E 0+670 at LHS | 10/30/2014 | 11/2/2014 | 11/3/2014 | 1 | A |
| | IR-13-00015-NHT-645-A | Cast concrete for foundation of boundary wall from Sta.E 0+637 to Sta.E 0+670 at LHS | 10/30/2014 | 11/2/2014 | 11/3/2014 | 1 | A |
| | IR-13-00015-NHT-646-A | Steel reinforcement for stem of boundary wall from Sta.E 0+520 to Sta.E 0+540 at LHS | 10/30/2014 | 11/2/2014 | 11/3/2014 | 1 | A |

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| | IR-13-00015-NHT-647-A | Final formwork for stem of boundary wall from Sta.E 0+520 to Sta.E 0+540 at LHS | 10/30/2014 | 11/2/2014 | 11/3/2014 | 1 | A |
| | IR-13-00015-NHT-648-A | Cast concrete for stem of boundary wall from Sta.E 0+520 to Sta.E 0+540 at LHS | 10/30/2014 | 11/2/2014 | 11/3/2014 | 1 | A |
| | IR-13-00015-NHT-649-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta.E 0+501 to Sta.E 0+520 at LHS | 10/30/2014 | 11/3/2014 | 11/4/2014 | 1 | C |
| | IR-13-00015-NHT-649-B | Steel reinforcement and final formwork for foundation of boundary wall from Sta.E 0+501 to Sta.E 0+520 at LHS | 11/6/2014 | 11/6/2014 | 11/6/2014 | 0 | A |
| | IR-13-00015-NHT-650-A | Cast concrete for foundation of boundary wall from Sta.E 0+501 to Sta.E 0+520 at LHS | 10/30/2014 | 11/3/2014 | 11/4/2014 | 1 | C |
| | IR-13-00015-NHT-650-B | Cast concrete for foundation of boundary wall from Sta.E 0+501 to Sta.E 0+520 at LHS | 11/11/2014 | 11/11/2014 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-651-A | Steel reinforcement, final formwork and cast concrete for foundation of boundary wall from Sta.A 1+300 to Sta.A 1+600 at RHS | 11/3/2014 | 11/3/2014 | 11/4/2014 | 1 | C |
| | IR-13-00015-NHT-651-B | Steel reinforcement, final formwork and cast concrete for foundation of boundary wall from Sta.A 1+355 to Sta.A 1+370 at RHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-652-A | Cast blinding under foundation of boundary wall from Sta.E 0+720 to Sta.E 0+735 at LHS | 11/3/2014 | 11/3/2014 | 11/4/2014 | 1 | C |
| | IR-13-00015-NHT-652-B | Cast blinding under foundation of boundary wall from Sta.E 0+718 to Sta.E 0+732 at LHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-653-A | Cast blinding under foundation of boundary wall from Sta.E 0+754 to Sta.E 0+774 at LHS | 11/3/2014 | 11/3/2014 | 11/4/2014 | 1 | C |
| | IR-13-00015-NHT-653-B | Cast blinding under foundation of boundary wall from Sta.E 0+754 to Sta.E 0+774 at LHS | 11/8/2014 | 11/8/2014 | 11/8/2014 | 0 | A |
| | IR-13-00015-NHT-654-A | Steel reinforcement and final formwork for foundation of retaining wall From Sta.A 6+505 to Sta.A 6+560 | 11/3/2014 | 11/4/2014 | 11/4/2014 | 0 | C |
| | IR-13-00015-NHT-654-B | Steel reinforcement and final formwork for foundation of retaining wall From Sta.A 6+505 to Sta.A 6+560 | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-655-A | Cast concrete for foundation of retaining wall From Sta.A 6+505 to Sta.A 6+560 | 11/3/2014 | 11/4/2014 | 11/4/2014 | 0 | C |
| | IR-13-00015-NHT-655-B | Cast concrete for foundation of retaining wall From Sta.A 6+505 to Sta.A 6+560 | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-656-A | Cast blinding concrete for foundation of retaining wall from Sta.A 6+574 to Sta.A 6+603 at LHS | 11/4/2014 | 11/4/2014 | 11/5/2014 | 1 | A |

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| | IR-13-00015-NHT-657-A | Steel reinforcement, final formwork for foundation of boundary wall From Sta.E 0+718 to Sta.E 0+732 at LHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-658-A | Cast concrete for foundation of boundary wall From Sta.E 0+718 to Sta.E 0+732 at LHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-659-A | Steel reinforcement and final formwork for stem of boundary wall From Sta.A 1+355 to Sta.A 1+370 at RHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-660-A | Cast concrete for stem of boundary wall from Sta.A 1+355 to Sta.A 1+370 at RHS | 11/5/2014 | 11/5/2014 | 11/6/2014 | 1 | A |
| | IR-13-00015-NHT-661-A | Steel reinforcement for stem of boundary wall from Sta.E 0+637 to Sta.E 0+653 at LHS | 11/6/2014 | 11/8/2014 | 11/8/2014 | 0 | A |
| | IR-13-00015-NHT-662-A | Steel reinforcement for stem of retaining wall from Sta.E 0+501 to Sta.E 0+511 at LHS | 11/6/2014 | 11/8/2014 | 11/8/2014 | 0 | A |
| | IR-13-00015-NHT-663-A | Steel reinforcement for parapet wall from Sta.E 0+620 to Sta.E 0+600 at LHS | 11/6/2014 | 11/8/2014 | 11/8/2014 | 0 | A |
| | IR-13-00015-NHT-664-A | Steel reinforcement and final formwork for concrete support From S37 to S27 at segment D | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-665-A | Steel reinforcement and final formwork for stem of boundary wall From Sta.E 0+718 to Sta.E 0+732 at LHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-666-A | Steel reinforcement and final formwork for foundation of boundary wall From Sta.E 0+754 to Sta.E 0+774 at LHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-667-A | Cast concrete for foundation of boundary wall from Sta.E 0+754 to Sta.E 0+774 at LHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-668-A | Steel reinforcement for stem of retaining wall from Sta.A 6+515 to Sta.A 6+525 and from Sta.E A+535 to Sta.E A+545 at LHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-669-A | Cast blinding concrete for boundary wall from Sta.B 0+640 to Sta.B 0+678 at LHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-670-A | Cast blinding concrete for boundary wall from Sta.B 0+279 to Sta.B 0+314 at RHS | 11/9/2014 | 11/9/2014 | 11/10/2014 | 1 | A |
| | IR-13-00015-NHT-671-A | Steel reinforcement for parapet wall from Sta.E 0+600 to Sta.E 0+540 at LHS | 11/9/2014 | 11/10/2014 | 11/11/2014 | 1 | A |
| | IR-13-00015-NHT-672-A | Final formwork and cast concrete for stem of boundary wall from Sta.E 0+501 to Sta.E 0+511 at LHS | 11/9/2014 | 11/10/2014 | 11/11/2014 | 1 | A |
| | IR-13-00015-NHT-673-A | Final formwork and cast concrete for stem of boundary wall from Sta.E 0+637 to Sta.E 0+653 at LHS | 11/9/2014 | 11/10/2014 | 11/11/2014 | 1 | A |

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| | IR-13-00015-NHT-674-A | Final formwork and cast concrete for stem of boundary wall from Sta.E 0+718 to Sta.E 0+732 at LHS | 11/9/2014 | 11/10/2014 | 11/11/2014 | 1 | A |
| | IR-13-00015-NHT-675-A | Final formwork and steel reinforcement for stem of boundary wall From Sta.E 0+501 to Sta.E 0+511 at LHS | 11/10/2014 | 11/10/2014 | 11/11/2014 | 1 | A |
| | IR-13-00015-NHT-676-A | Final formwork and cast concrete for stem of boundary wall from Sta.E 0+637 to Sta.E 0+653 at LHS | 11/10/2014 | 11/10/2014 | 11/11/2014 | 1 | A |
| | IR-13-00015-NHT-677-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta.B 0+279 to Sta.B 0+314 at RHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-678-A | Cast concrete for foundation of boundary wall from Sta.B 0+279 to Sta.B 0+314 at RHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-679-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta.B 0+640 to Sta.B 0+678 at LHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-680-A | Cast concrete for foundation of boundary wall from Sta.B 0+640 to Sta.B 0+678 at LHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-681-A | Final formwork for stem of retaining wall from Sta.A 6+515 to Sta.A 6+525 and from Sta.A 6+535 to Sta.A 6+545 at LHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-682-A | Cast concrete for stem of retaining wall from Sta.A 6+515 to Sta.A 6+525 and from Sta.A 6+535 to Sta.A 6+545 at LHS | 11/11/14 | 11/11/14 | 11/12/2014 | 1 | A |
| | IR-13-00015-NHT-683-A | Steel reinforcement for stem of boundary wall from Sta.E 0+754 to Sta.E 0+774 at LHS | 11/11/2014 | 11/11/2014 | 11/11/2014 | 0 | C |
| | IR-13-00015-NHT-683-B | Steel reinforcement for stem of boundary wall from Sta.E 0+754 to Sta.E 0+774 at LHS | 11/12/2014 | 11/12/2014 | 11/12/2014 | 0 | A |
| | IR-13-00015-NHT-684-A | (634.40) LM of 8 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(52) Piece of 8 inch shrinkable sheet with (CPS).<br>(500.2) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(41) Piece of 12 inch shrinkable sheet with (CPS) | 11/11/2014 | 11/12/2014 | 11/13/2014 | 1 | C |
| | IR-13-00015-NHT-684-B | (634.40) LM of 8 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(52) Piece of 8 inch shrinkable sheet with (CPS).<br>(500.2) LM of 12 inch steel pipe with ¼ inch (6.35 mm) wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(41) Piece of 12 inch shrinkable sheet with (CPS) | 11/20/2014 | 11/20/2014 | 11/20/2014 | 0 | C |

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| | IR-13-00015-NHT-685-A | Compaction and shape for ditches From Sta.A 0+110 to Sta.A 0+480 at LHS and from Sta.A 0+400 to Sta.A 0+500 at RHS | 11/11/2014 | 11/11/2014 | 11/12/2014 | 1 | C |
| | IR-13-00015-NHT-685-B | Compaction and shape for ditches From Sta.A 0+150 to Sta.A 0+430 at LHS and from Sta.A 0+420 to Sta.A 0+560 at RHS | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-686-A | Steel reinforcement for ditches from Sta.A 0+400 to Sta.A 0+570 at RHS | 11/12/2014 | 11/12/2014 | 11/12/2014 | 0 | C |
| | IR-13-00015-NHT-686-B | Steel reinforcement for ditches from Sta.A 0+400 to Sta.A 0+570 at RHS | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-687-A | Cast concrete for ditches From Sta.A 0+400 to Sta.A 0+570 at RHS | 11/12/2014 | 11/12/2014 | 11/12/2014 | 0 | C |
| | IR-13-00015-NHT-687-B | Cast concrete for ditches From Sta.A 0+400 to Sta.A 0+570 at RHS | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-688-A | (170.80) LM of 8 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(41) Piece of 4 inch shrinkable sheet with (CPS).<br>(268.40) LM of 3 inch steel pipe with 0.280 inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(500.20) LM of 14 inch steel pipes with 0.280 inch wall thickness , 4.5 mm min cement lining and external epoxy coated.<br>(22) piece of 3 inch shrinkable sheet with(CPS) | 11/12/2014 | 11/13/2014 | 11/13/2014 | 0 | C |
| | IR-13-00015-NHT-688-B | (170.80) LM of 8 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(41) Piece of 4 inch shrinkable sheet with (CPS).<br>(268.40) LM of 3 inch steel pipe with 0.280 inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(500.20) LM of 14 inch steel pipes with 0.280 inch wall thickness , 4.5 mm min cement lining and external epoxy coated.<br>(22) piece of 3 inch shrinkable sheet with(CPS) | 11/25/2044 | 11/25/2014 | 11/26/2014 | 1 | C |
| | IR-13-00015-NHT-689-A | Cast concrete for foundation of boundary wall From Sta.B 0+640 to Sta.B 0+657.5 at LHS | 11/12/2014 | 11/13/2014 | 11/13/2014 | 0 | A |
| | IR-13-00015-NHT-690-A | Perform soil classification ,CBR , Atterberg limits, and Swell index for subgrade of road From Sta.B 0+680 to Sta.B 0+980 | 11/12/2014 | 11/13/2014 | 11/13/2014 | 0 | A |
| | IR-13-00015-NHT-691-A | Cast concrete for stem of retaining wall From Sta.E 0+754 to Sta.E 0+774 at LHS | 11/12/2014 | 11/12/2014 | 11/13/2014 | 1 | A |
| | IR-13-00015-NHT-692-A | Cast blinding concrete under foundation of retaining wall from Sta. E0+812.5 to Sta. E 0+839 at LHS | 11/15/2014 | 11/15/2014 | 11/15/2014 | 0 | C |
| | IR-13-00015-NHT-692-B | Cast blinding concrete under foundation of retaining wall from Sta. E0+812.5 to Sta. E 0+839 at LHS | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |

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| | IR-13-00015-NHT-693-A | Final formwork for stem of retaining wall from Sta. A 6+505 to Sta. A 6+515 and from Sta. A 6+525 to Sta. A 6+535 at LHS | 11/15/2014 | 11/16/2014 | 11/17/2014 | 1 | A |
| | IR-13-00015-NHT-694-A | Subgrade of road from Sta.A 6+600 to Sta.A 6+800 | 11/13/2014 | 11/13/2014 | 11/13/2014 | 0 | A |
| | IR-13-00015-NHT-695-A | Steel reinforcement for stem of retaining wall from Sta.A 6+505 to Sta.A 6+515 and from Sta.A 6+525 to Sta.A 6+535 at LHS | 11/13/2014 | 11/15/2014 | 11/15/2014 | 0 | A |
| | IR-13-00015-NHT-696-A | Cast blinding concrete under foundation of retaining wall from Sta. E0+812.5 to Sta. E 0+839 at LHS | 11/15/2014 | 11/16/2014 | 11/17/2014 | 1 | A |
| | IR-13-00015-NHT-697-A | Steel reinforcement for stone wall protection from Sta.A 6+760 to Sta.A 6+810 at LHS | 11/15/2014 | 11/16/2014 | 11/17/2014 | 1 | A |
| | IR-13-00015-NHT-698-A | Cast concrete up to 20 cm for stone wall protection from Sta.A 6+760 to Sta.A 6+810 at LHS | 11/19/2014 | 11/19/2014 | 11/20/2014 | 1 | A |
| | IR-13-00015-NHT-699-A | Final formwork and cast concrete for parapet wall from Sta.E 0+540 to Sta.E 0+620 at LHS | 11/17/2014 | 11/18/2014 | 11/19/2014 | 1 | A |
| | IR-13-00015-NHT-700-A | Subgrade of road from Sta.B 0+740 to Sta.B 0+980 | 11/15/2014 | 11/15/2014 | 11/16/2014 | 1 | A |
| | IR-13-00015-NHT-701-A | Cast concrete for foundation of boundary wall from Sta.E 0+818 to Sta.E 0+825 and from Sta.E 0+829 to Sta.E 0+844 at RHS | 11/17/14 | 11/17/14 | 11/18/2014 | 1 | A |
| | IR-13-00015-NHT-702-A | Final formwork for stem of boundary wall from Sta.B 0+279 to Sta.B 0+314 at RHS | 11/18/14 | 11/18/14 | 11/19/2014 | 1 | A |
| | IR-13-00015-NHT-703-A | Cast concrete for stem of boundary wall from Sta.B 0+279 to Sta.B 0+314 at RHS | 11/18/14 | 11/19/14 | 11/19/2014 | 0 | A |
| | IR-13-00015-NHT-704-A | Final formwork and steel reinforcement for stem of boundary wall From Sta.B 0+640 to Sta.B 0+657.5 at LHS | 11/18/14 | 11/19/14 | 11/19/2014 | 0 | A |
| | IR-13-00015-NHT-705-A | Cast concrete for stem of boundary wall from Sta.B 0+640 to Sta.B 0+657.5 at LHS | 11/18/14 | 11/19/14 | 11/19/2014 | 0 | A |
| | IR-13-00015-NHT-706-A | Final formwork and steel reinforcement for foundation of retaining wall From Sta.E 0+812.5 to Sta.E 0+839 at LHS | 11/19/14 | 11/19/14 | 11/20/2014 | 1 | C |
| | IR-13-00015-NHT-706-B | Final formwork and steel reinforcement for foundation of retaining wall From Sta.E 0+812.5 to Sta.E 0+839 at LHS | 12/07/14 | 12/07/14 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-707-A | Cast concrete for foundation of retaining wall from Sta.E 0+812.5 to Sta.E 0+839 at LHS | 11/19/14 | 11/19/14 | 11/20/2014 | 1 | C |
| | IR-13-00015-NHT-707-B | Cast concrete for foundation of retaining wall from Sta.E 0+812.5 to Sta.E 0+839 at LHS | 12/07/14 | 12/07/14 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-708-A | Subgrade of road from Sta. A1+300 to Sta. A1+440 | 11/19/2014 | 11/19/2014 | 11/20/2014 | 1 | A |
| | IR-13-00015-NHT-709-A | Subgrade of road from Sta. A3+240 to Sta. A3+340 | 11/19/2014 | 11/19/2014 | 11/20/2014 | 1 | A |

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| | IR-13-00015-NHT-710-A | Steel reinforcement and formwork for foundation of flow monitoring valve at Sta. A5+365 at RHS | 11/19/2014 | 11/19/2014 | 11/19/2014 | 0 | A |
| | IR-13-00015-NHT-711-A | Cast concrete for foundation of flow monitoring valve at Sta. A5+365 at RHS | 11/19/2014 | 11/19/2014 | 11/19/2014 | 0 | A |
| | IR-13-00015-NHT-712-A | Mock up sample for ditch from Sta.A 0+150 to Sta.A 0+220 at LHS | 11/19/2014 | 11/19/2014 | 11/20/2014 | 1 | C |
| | IR-13-00015-NHT-712-B | Mock up sample for ditch from Sta.A 0+130 to Sta.A 0+150 at LHS | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-713-A | Steel reinforcement for stem of retaining wall from Sta. A6+535 to Sta. A6+545 at LHS | 11/20/2014 | 11/23/2014 | 11/23/2014 | 0 | A |
| | IR-13-00015-NHT-714-A | Topping layer for road from Sta. A6+400 to Sta. A6+600 | 11/20/2014 | 11/20/2014 | 11/20/2014 | 0 | C |
| | IR-13-00015-NHT-714-B | Topping layer for road from Sta. A6+400 to Sta. A6+600 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-715-A | Subgrade of road from Sta. E0+040 to Sta. E0+140 | 11/20/2014 | 11/20/2014 | 11/20/2014 | 0 | A |
| | IR-13-00015-NHT-716-A | Remove the unsuitable materials up to 20 cm below the top of Subgrade for road from Sta. E0+140 to Sta. E0+240 | 11/20/2014 | 11/20/2014 | 11/20/2014 | 0 | A |
| | IR-13-00015-NHT-717-A | Steel reinforcement for stem of retaining wall from Sta. A6+574 to Sta. A6+603 at LHS | 11/23/2014 | 11/23/2014 | 11/23/2014 | 0 | A |
| | IR-13-00015-NHT-718-A | Steel reinforcement and final formwork for walls of flow monitoring chamber at Sta. A5+535 at RHS | 11/23/2014 | 11/23/2014 | 11/23/2014 | 0 | A |
| | IR-13-00015-NHT-719-A | Steel reinforcement for stem of boundary wall from Sta. E0+818 to Sta. E0+825 and from Sta. E0+829 to Sta. E0+844 at RHS | 11/20/2014 | 11/23/2014 | 11/23/2014 | 0 | A |
| | IR-13-00015-NHT-720-A | Subgrade of road from Sta. A6+200 to Sta. A6+400 | 11/23/2014 | 11/23/2014 | 11/23/2014 | 0 | A |
| | IR-13-00015-NHT-721-A | First base course layer for road from Sta. A1+300 to Sta. A1+440 | 11/23/2014 | 11/23/2014 | 11/23/2014 | 0 | C |
| | IR-13-00015-NHT-721-B | First base course layer for road from Sta. A1+300 to Sta. A1+440 | 12/11/2014 | 12/11/2014 | 12/11/2014 | 0 | A |
| | IR-13-00015-NHT-722-A | Radio graphic test for 8 inch joint (WR10 _8_ 1,2……..,6) , for 6 inch joint (WR10 _ 6 _ 1, 2…, 8) and for 3 inch joint (WR10_3_1 and 2) | 11/23/2014 | 11/23/2014 | 11/23/2014 | 0 | C |
| | IR-13-00015-NHT-722-B | Radio graphic test for 8 inch joint (WR10 _8_ 1,2……..,6) , for 6 inch joint (WR10 _ 6 _ 1, 2…, 8) and for 3 inch joint (WR10_3_1 and 2) | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-723-A | The topping material that replaced below 20cm from Subgrade surface From Sta.E 0+140 to Sta.E 0+240 | 11/23/2014 | 11/23/2014 | 11/24/2014 | 1 | C |
| | IR-13-00015-NHT-723-B | The topping material that replaced below 20cm from Subgrade surface From Sta.E 0+140 to Sta.E 0+240 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-724-A | Final formwork and cast concrete for stem of retaining wall From Sta. A6+545 to Sta. A6+555 at LHS | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-725-A | Weld joint (8 inch &3 inch) without cement lining (visual inspection) , weld joint (8 inch & 3 inch) with cement lining (for RT) to qualify welder Ismail Ghniem | 11/24/2014 | 11/24/2014 | 11/25/2014 | 1 | A |

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| | IR-13-00015-NHT-726-A | Final formwork and cast concrete for stone wall protection up to 80 cm high from Sta. A6+760 to Sta. A6+810 at LHS | 11/25/2014 | 11/30/2014 | 12/1/2014 | 1 | A |
| | IR-13-00015-NHT-727-A | Final formwork for stem of boundary wall from Sta. E0+818 to Sta. A0+825 and from Sta. E0+829 to Sta. E0+844 at RHS | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-728-A | Cast concrete for stem of boundary wall from Sta. E0+818 to Sta. A0+825 and from Sta. E0+829 to Sta. E0+844 at RHS | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-729-A | Cast wall of FMC (Flow monitoring chamber) at Sta. A5+365 at RHS | 11/25/2014 | 11/25/2014 | 11/26/2014 | 1 | A |
| | IR-13-00015-NHT-730-A | Final formwork for stem of retaining wall from Sta. A6+574 to Sta. A6+590 at LHS | 11/30/2014 | 11/30/2014 | 12/1/2014 | 1 | A |
| | IR-13-00015-NHT-731-A | Cast concrete for stem of retaining wall from Sta. A6+574 to Sta. A6+590 at LHS | 11/30/2014 | 11/30/2014 | 12/1/2014 | 1 | A |
| | IR-13-00015-NHT-732-A | Start digging of water trench from Sta.A 3+400 to Sta. A3+320 at RHS | 11/30/2014 | 11/30/2014 | 12/1/2014 | 1 | C |
| | IR-13-00015-NHT-732-B | Start digging of water trench from Sta.A 3+400 to Sta. A3+320 at RHS | 12/11/2014 | 12/11/2014 | 12/11/2014 | 0 | A |
| | IR-13-00015-NHT-733-A | Final formwork and steel reinforcement of roof slab for flow monitoring chamber At Sta. A5+365 at RHS | 11/30/2014 | 11/30/2014 | 12/1/2014 | 1 | A |
| | IR-13-00015-NHT-734-A | Cast concrete of roof slab for flow monitoring chamber at Sta. A5+365 at RHS | 11/30/2014 | 12/1/2014 | 12/1/2014 | 0 | A |
| | IR-13-00015-NHT-735-A | Final formwork for stem of retaining wall from Sta. A6+590 to Sta. A6+603 at LHS | 12/2/2014 | 12/2/2014 | 12/2/2014 | 0 | A |
| | IR-13-00015-NHT-736-A | Cast concrete for stem of retaining wall from Sta. A6+590 to Sta. A6+603 at LHS | 12/2/2014 | 12/2/2014 | 12/2/2014 | 0 | A |
| | IR-13-00015-NHT-737-A | Cast concrete for stone wall protection up to 1.4 m high from Sta. A6+760 to Sta. A6+810 at LHS | 12/2/2014 | 12/2/2014 | 12/2/2014 | 0 | A |
| | IR-13-00015-NHT-738-A | Cast blinding concrete under foundation of retaining wall from Sta. B0+823 to Sta. B0+859 at RHS | 12/2/2014 | 12/2/2014 | 12/2/2014 | 0 | A |
| | IR-13-00015-NHT-739-A | 20 cm topping layer above subgrade level from Sta. E0+040 to Sta. E0+200 | 12/2/2014 | 12/2/2014 | 12/2/2014 | 0 | C |
| | IR-13-00015-NHT-739-B | 20 cm topping layer above subgrade level from Sta. E0+040 to Sta. E0+200 | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | C |
| | IR-13-00015-NHT-739-C | 20 cm topping layer above subgrade level from Sta. E0+040 to Sta. E0+200 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-740-A | Steel reinforcement for walls of combination chamber (ARV and butterfly) | 12/7/2014 | 12/8/2014 | 12/9/2014 | 1 | A |
| | IR-13-00015-NHT-741-A | Topping layer for road from Sta. A6+600 to Sta. A6+800 | 12/4/2014 | 12/4/2014 | 12/4/2014 | 0 | C |
| | IR-13-00015-NHT-741-B | Topping layer for road from Sta. A6+600 to Sta. A6+801 | 12/17/2014 | 12/18/2014 | 12/19/2014 | 1 | A |

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| | IR-13-00015-NHT-742-A | Final formwork for stem of retaining wall from Sta. E0+812 to Sta. E0+839 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-743-A | Cast concrete for stem of retaining wall from Sta. E0+812 to Sta. E0+839 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-744-A | Paint bitumen protection coated for boundary wall from Sta. E0+818 to Sta. E0+825 and from Sta. E0+829 to Sta. E0+844 at RHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-745-A | Paint bitumen protective coat for walls flow monitoring valve at Sta. A5+365 | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | C |
| | IR-13-00015-NHT-745-B | Paint bitumen protective coat for walls flow monitoring valve at Sta. A5+366 | 12/21/2014 | 12/20/2014 | 12/21/2014 | 1 | A |
| | IR-13-00015-NHT-746-A | Paint bitumen protective coat for boundary wall from Sta. E0+657 to Sta. E0+675 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-747-A | Paint bitumen protective coating for boundary wall from Sta. B0+279 to Sta. B0+314 at RHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-748-A | Paint bitumen protective coat for concrete wall from Sta. E0+540 to Sta. E0+620 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-749-A | Steel reinforcement and final formwork for step barriers From Sta. A1+274 to Sta. A1+281.40 and from Sta. A1+285.4 to Sta. A1+292.8 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-750-A | Cast concrete for step barriers From Sta. A1+274 to Sta. A1+281.40 and from Sta. A1+285.4 to Sta. A1+292.8 at LHS | 12/3/2014 | 12/3/2014 | 12/4/2014 | 1 | A |
| | IR-13-00015-NHT-751-A | Steel reinforcement and final formwork for foundation of ARV and butterfly valve at Sta. D0+512 | 12/4/2014 | 12/4/2014 | 12/4/2014 | 0 | D |
| | IR-13-00015-NHT-751-B | Steel reinforcement and final formwork for foundation of ARV and butterfly valve at Sta. D0+513 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-752-A | Cast concrete for foundation of ARV and butterfly valve at Sta. D0+512 | 12/4/2014 | 12/4/2014 | 12/4/2014 | 0 | D |
| | IR-13-00015-NHT-752-B | Cast concrete for foundation of ARV and butterfly valve at Sta. D0+513 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-753-A | Steel reinforcement and final formwork for foundation of retaining wall from Sta. B0+823 to Sta. B0+859 at RHS | 12/4/2014 | 12/6/2014 | 12/7/2014 | 1 | A |
| | IR-13-00015-NHT-754-A | Cast concrete for foundation of retaining wall from Sta. B0+823 to Sta. B0+859 at RHS | 12/4/2014 | 12/6/2014 | 12/7/2014 | 1 | A |
| | IR-13-00015-NHT-755-A | Steel reinforcement and final formwork for step barriers from Sta. A1+300 to Sta. A1+307.40, from Sta. A1+310.4 to Sta. A1+319.40, and from Sta. A1+326.8 to Sta. A1+334.20 at LHS | 12/7/2014 | 12/7/2014 | 12/7/2014 | 0 | A |

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| | IR-13-00015-NHT-756-A | Cast concrete for step barriers from Sta. A1+300 to Sta. A1+307.40, from Sta. A1+310.4 to Sta. A1+319.40, and from Sta. A1+326.8 to Sta. A1+334.20 at LHS | 12/7/2014 | 12/7/2014 | 12/7/2014 | 0 | A |
| | IR-13-00015-NHT-757-A | 20 cm topping layer above subgrade level from Sta. E0+200 to Sta. E0+240 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-758-A | 20 cm topping layer above subgrade level from Sta. A6+340 to Sta. A6+400 | 12/7/2014 | 12/7/2014 | 12/8/2014 | 1 | A |
| | IR-13-00015-NHT-759-A | Steel reinforcement for parapet wall from Sta. A6+760 to Sta. A6+810 at LHS | 12/7/2014 | 12/8/2014 | 12/8/2014 | 0 | A |
| | IR-13-00015-NHT-760-A | Steel reinforcement and final formwork for step barriers from Sta. A1+319.40 to Sta. A1+326.80, from Sta. A1+292.80 to Sta. A1+300, and from Sta. A1+334.20 to Sta. A1+341.60 at LHS | 12/8/2014 | 12/8/2014 | 12/9/2014 | 1 | A |
| | IR-13-00015-NHT-761-A | Cast concrete for step barriers from Sta. A1+319.40 to Sta. A1+326.80, from Sta. A1+292.80 to Sta. A1+300, and from Sta. A1+334.20 to Sta. A1+341.60 at LHS | 12/8/2014 | 12/8/2014 | 12/9/2014 | 1 | A |
| | IR-13-00015-NHT-762-A | Steel reinforcement and final formwork for foundation of boundary wall From Sta. E0+640 to Sta. E0+650 at LHS | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-763-A | Cast concrete for foundation of boundary wall From Sta. E0+640 to Sta. E0+650 at LHS | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-764-A | Steel reinforcement for stem of retaining wall from Sta. B0+823 to Sta. B0+841 at RHS | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-765-A | Final formwork for stem of retaining wall from Sta. B0+823 to Sta. B0+841 at RHS | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-766-A | Cast concrete for stem of retaining wall from Sta. B0+823 to Sta. B0+841 at RHS | 12/14/2014 | 12/14/2014 | 12/14/2014 | 0 | A |
| | IR-13-00015-NHT-767-A | Final formwork for parapet wall from Sta. A6+760 to Sta. A6+810 at LHS | 12/9/2014 | 12/10/2014 | 12/11/2014 | 1 | A |
| | IR-13-00015-NHT-768-A | Cast concrete for parapet wall from Sta. A6+760 to Sta. A6+810 at LHS | 12/9/2014 | 12/10/2014 | 12/11/2014 | 1 | A |
| | IR-13-00015-NHT-769-A | Subgrade of road from Sta. B0+670 to Sta. B0+740 | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-770-A | First base coarse layer from Sta. B0+670 to Sta. B0+880 | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-771-A | First base coarse layer of road from Sta. B0+880 to Sta. B0+980 | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | A |
| | IR-13-00015-NHT-772-A | Steel reinforcement and final formwork for foundation of boundary wall From Sta. E0+023 to Sta. E0+033 at RHS | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |
| | IR-13-00015-NHT-773-A | Cast concrete for foundation of boundary wall From Sta. E0+023 to Sta. E0+033 at RHS | 12/9/2014 | 12/9/2014 | 12/10/2014 | 1 | A |

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| | IR-13-00015-NHT-774-A | Steel reinforcement for stem of boundary wall From Sta. E0+023 to Sta. E0+033 at RHS | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | A |
| | IR-13-00015-NHT-775-A | Steel reinforcement and final formwork for stair at Sta. E0+085 at RHS | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | C |
| | IR-13-00015-NHT-775-B | Steel reinforcement and final formwork for stair at Sta. E0+085 at RHS | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-776-A | Cast concrete for stair At Sta. E0+085 at RHS | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-777-A | (597.80) LM of 3 inch steel pipe with 0.280 inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(49) Piece of 3 inch shrinkable sheet with (CPS).<br>(195.20) LM of 10 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(16) Piece of 10 inch shrinkable sheet with (CPS) | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | C |
| | IR-13-00015-NHT-777-B | (597.80) LM of 3 inch steel pipe with 0.280 inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(49) Piece of 3 inch shrinkable sheet with (CPS).<br>(195.20) LM of 10 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(16) Piece of 10 inch shrinkable sheet with (CPS) | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | C |
| | IR-13-00015-NHT-778-A | Steel reinforcement and final formwork of roof slab for ARV and butterfly valve At Sta. D0+512 | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | C |
| | IR-13-00015-NHT-778-B | Steel reinforcement and final formwork of roof slab for ARV and butterfly valve At Sta. D0+512. | 12/15/2014 | 12/15/2014 | 12/16/2014 | 1 | A |
| | IR-13-00015-NHT-779-A | Cast concrete of roof slab for ARV and butterfly valve At Sta. D0+512. | 12/10/2014 | 12/10/2014 | 12/11/2014 | 1 | C |
| | IR-13-00015-NHT-779-B | Cast concrete of roof slab for ARV and butterfly valve At Sta. D0+512. | 12/15/2014 | 12/15/2014 | 12/16/2014 | 1 | A |
| | IR-13-00015-NHT-780-A | Base course shaping for ditches from Sta. A0+970 to Sta. A1+070 at RHS and from Sta. A0+970 to Sta. A1+070 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-781-A | Steel reinforcement and final formwork for stem of boundary From Sta. E0+640 to Sta. E0+650 at LHS | 12/11/2014 | 12/11/2014 | 12/11/2014 | 0 | D |
| | IR-13-00015-NHT-781-B | Steel reinforcement and final formwork for stem of boundary From Sta. E0+640 to Sta. E0+650 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-782-A | Cast concrete for stem of boundary from Sta. E0+640 to Sta. E0+650 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-783-A | Cast concrete for stem of boundary from Sta. E0+023 to Sta. E0+033 at RHS | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-784-A | Base course layer of road From Sta. A3+240 to Sta. A3+320 | 12/11/2014 | 12/11/2014 | 12/11/2014 | 0 | C |
| | IR-13-00015-NHT-784-B | Base course layer of road From Sta. A3+240 to Sta. A3+320 | 12/14/2014 | 12/15/2014 | 12/15/2014 | 0 | C |

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| | IR-13-00015-NHT-784-C | Base course layer of road From Sta. A3+240 to Sta. A3+321 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-785-A | Spreading prim coating (MC) from Sta. A3+240 to Sta. A3+320 | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | C |
| | IR-13-00015-NHT-786-A | Spreading and compacting asphalt layer from Sta. A3+240 to Sta. A3+320 | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | C |
| | IR-13-00015-NHT-787-A | Final finish base course layer of road from Sta. A1+300 to Sta. A1+420 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-787-B | Final finish base course layer of road from Sta. A1+300 to Sta. A1+420 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-788-A | Spreading prim coating (MC) from Sta. A1+300 to Sta. A1+420 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-788-B | Spreading prim coating (MC) from Sta. A1+300 to Sta. A1+420 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-789-A | Spreading and compacting asphalt layer from Sta. A1+300 to Sta. A1+420 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-789-B | Spreading and compacting asphalt layer from Sta. A1+300 to Sta. A1+420 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-790-A | Compaction and shaping for base course and steel reinforcement for ditches from Sta. A0+970 to Sta. A1+070 at RHS and from Sta. A0+970 to Sta. A1+070 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-791-A | Cast concrete for ditches from Sta. A0+970 to Sta. A1+070 at RHS and from Sta. A0+970 to Sta. A1+070 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-792-A | Base course shaping for ditches from Sta. A1+180 to Sta. A1+340 at RHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-793-A | Second base course layer of road from Sta. B0+680 to Sta. B0+980 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-794-A | Final finish base course layer of road from Sta. B0+680 to Sta. B0+980 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-795-A | Final finish base course layer of road from Sta. A3+240 to Sta. A3+320 | 12/11/2014 | 12/13/2014 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-795-B | Final finish base course layer of road from Sta. A3+240 to Sta. A3+321 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-796-A | Cast blinding concrete under foundation of boundary wall (L-shape) from Sta. E0+032 to Sta. E0+063 | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-797-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. B0+192 to Sta. B0+202, from Sta. B0+208 to Sta. B0+218, and from Sta. B0+226 to Sta. B0+238 at LHS | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-798-A | Cast concrete for foundation of boundary wall from Sta. B0+192 to Sta. B0+202, from Sta. B0+208 to Sta. B0+218, and from Sta. B0+226 to Sta. B0+238 at LHS | 12/13/2014 | 12/13/2014 | 12/14/2014 | 1 | A |
| | IR-13-00015-NHT-799-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. B0+192 to Sta. B0+202, from Sta. B0+208 to Sta. B0+218, and from Sta. B0+226 to Sta. B0+238 at LHS | 12/14/2014 | 12/15/2014 | 12/16/2014 | 1 | A |
| | IR-13-00015-NHT-800-A | Spreading prim coating (MC) from Sta. B0+680 to Sta. B0+960 | 12/13/14 | 12/13/14 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-800-B | Spreading prim coating (MC) from Sta. B0+680 to Sta. B0+960 | 03/18/15 | 03/18/15 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-801-A | Spreading binder course from Sta. B0+680 to Sta. B0+980 | 12/13/14 | 12/13/14 | 12/14/2014 | 1 | C |
| | IR-13-00015-NHT-801-B | Spreading binder course from Sta. B0+680 to Sta. B0+980 | 03/18/15 | 03/18/15 | 3/19/2015 | 1 | A |

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| | IR-13-00015-NHT-802-A | Steel reinforcement and final formwork for foundation of boundary wall (L-shape) from Sta. E0+032 to Sta. E0+063 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-803-A | Cast concrete for foundation of boundary wall (L-shape) from Sta. E0+032 to Sta. E0+063 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-804-A | Cast concrete for stem of boundary wall from Sta. B0+192 to Sta. B0+202, from Sta. B0+208 to Sta. B0+218, and from Sta. B0+226 to Sta. B0+238 at LHS | 12/16/2014 | 12/16/2014 | 12/17/2014 | 1 | A |
| | IR-13-00015-NHT-805-A | Steel reinforcement for stem of retaining wall from Sta. B0+841 to Sta. B0+853 at RHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-806-A | Steel reinforcement for ditches from Sta. A1+180 to Sta. A1+340 at RHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-807-A | Cast concrete for ditches from Sta. A1+180 to Sta. A1+340 at RHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-808-A | Preparing base course for concrete protection from Sta. A1+200 to Sta. A1+250 at LHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-809-A | Steel reinforcement for concrete protection from Sta. A1+200 to Sta. A1+250 at LHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-810-A | Cast concrete for concrete protection from Sta. A1+200 to Sta. A1+250 at LHS | 12/17/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-811-A | First base course of road from Sta. A6+600 to Sta. A6+790 | 12/17/2014 | 12/21/2014 | 12/21/2014 | 0 | A |
| | IR-13-00015-NHT-812-A | Final formwork for stem of retaining wall from Sta. B0+841 to Sta. B0+859 at RHS | 12/18/2014 | 12/20/2014 | 12/21/2014 | 1 | A |
| | IR-13-00015-NHT-813-A | Cast concrete for stem of retaining wall from Sta. B0+841 to Sta. B0+859 at RHS | 12/18/2014 | 12/20/2014 | 12/21/2014 | 1 | A |
| | IR-13-00015-NHT-814-A | Steel reinforcement for step barriers from Sta. A1+327 to Sta. A1+334.20 and from Sta. A1+341.60 to Sta. A1+348.80 at LHS | 12/20/2014 | 12/20/2014 | 12/21/2014 | 1 | A |
| | IR-13-00015-NHT-815-A | Final formwork and cast concrete for step barrier from Sta. A1+327 to Sta. A1+334.20 and from Sta. A1+341.60 to Sta. A1+348.80 at LHS | 12/20/2014 | 12/20/2014 | 12/21/2014 | 1 | A |
| | IR-13-00015-NHT-816-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+085 to Sta. E0+087 from Sta. E0+095 to Sta. E0+100 and from Sta. E0+570 to Sta. E0+582 at RHS | 12/21/2014 | 12/21/2014 | 12/21/2014 | 0 | A |
| | IR-13-00015-NHT-817-A | Cast concrete for foundation of boundary wall from Sta. E0+085 to Sta. E0+087 from Sta. E0+095 to Sta. E0+100 and from Sta. E0+570 to Sta. E0+582 at RHS | 12/21/2014 | 12/21/2014 | 12/22/2014 | 1 | A |
| | IR-13-00015-NHT-818-A | Steel reinforcement and final formwork for step barriers from Sta. A1+350 to Sta. A1+357.20 and from Sta. A1+364.40 to Sta. A1+371.60 at LHS | 12/21/2014 | 12/21/2014 | 12/21/2014 | 0 | A |

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| | IR-13-00015-NHT-819-A | Cast concrete for step barriers from Sta. A1+350 to Sta. A1+357.20 and from Sta. A1+364.40 to Sta. A1+371.60 at LHS | 12/21/2014 | 12/21/2014 | 12/22/2014 | 1 | A |
| | IR-13-00015-NHT-820-A | Cast concrete for stem of boundary wall from Sta. E0+048 to Sta. E0+063 at LHS | 12/23/2014 | 12/23/2014 | 12/24/2014 | 1 | A |
| | IR-13-00015-NHT-821-A | First base course layer of road from Sta. A6+340 to Sta. A6+600 | 12/23/2014 | 12/24/2014 | 12/24/2014 | 0 | A |
| | IR-13-00015-NHT-822-A | Steel reinforcement for step barriers from Sta. A1+357.20 to Sta. A1+364.40 and from Sta. A1+371.60 to Sta. A1+378.80 at LHS | 12/23/2014 | 12/23/2014 | 12/24/2014 | 1 | A |
| | IR-13-00015-NHT-823-A | Final formwork and cast concrete for step barriers from Sta. A1+357.20 to Sta. A1+364.40 and from Sta. A1+371.60 to Sta. A1+378.80 at LHS | 12/23/2014 | 12/23/2014 | 12/24/2014 | 1 | A |
| | IR-13-00015-NHT-824-A | (1720.20) LM of 6 inch steel pipe with 0.280 inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(141) Piece of 6 inch shrinkable sheet with (CPS).<br>(134.20) LM of 8 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(22) Piece of 4 inch shrinkable sheet with (CPS).<br>(268.40) LM of 4 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(11) Piece of 8 inch shrinkable sheet with (CPS).<br>(2946) LM of 2 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated | 12/23/2014 | 12/23/2014 | 12/24/2014 | 1 | C |
| | IR-13-00015-NHT-825-A | Steel reinforcement for stem of boundary wall from Sta. E0+032 to Sta. E0+045 at LHS | 12/24/2014 | 12/24/2014 | 12/24/2014 | 0 | A |
| | IR-13-00015-NHT-826-A | Paint bitumen protection coated for foundation and part of stem from Sta. E0+032 to Sta. E0+063 at LHS | 12/24/2014 | 12/27/2014 | 12/28/2014 | 1 | A |
| | IR-13-00015-NHT-827-A | Final formwork for stem of boundary wall from Sta. E0+032 to Sta. E0+045 at LHS | 12/24/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-828-A | Cast concrete for stem of boundary wall from Sta. E0+032 to Sta. E0+045 at LHS | 12/24/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-829-A | Second base course layer of road from Sta. A6+600 to Sta. A6+800 | 12/24/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-830-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS | 12/24/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-831-A | Cast concrete for foundation of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS | 12/24/2014 | 12/27/2014 | 12/27/2014 | 0 | A |
| | IR-13-00015-NHT-832-A | Subgrade layer of road from Sta. E0+980 to Sta. E1+160 | 12/27/2014 | 12/27/2014 | 12/27/2014 | 0 | A |

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| | IR-13-00015-NHT-833-A | Pressure test for (2 inch) water pipeline and house connection from Sta. B0+674 to Sta. B0+998 | 12/23/2014 | 12/24/2014 | 12/25/2014 | 1 | A |
| | IR-13-00015-NHT-834-A | Pressure test for (2 inch) water pipeline and house connections from Sta. A6+470 to Sta. A6+785 | 12/21/2014 | 12/22/2014 | 12/23/2014 | 1 | A |
| | IR-13-00015-NHT-835-A | Pressure test for (2 inch) water pipeline and house connections from Sta. A6+230 to Sta. A6+463 | 12/21/2014 | 12/22/2014 | 12/23/2014 | 1 | A |
| | IR-13-00015-NHT-836-A | Pressure test for (3 inch) water pipeline and house connections from Sta. A1+076 to Sta. E0+200 | 12/16/2014 | 12/17/2014 | 12/18/2014 | 1 | A |
| | IR-13-00015-NHT-837-A | Radio graphic test for 3 inch joint (3 inch -5J2-J1, 3 inch -5J2-J2, 3 inch -5J2-J3) , 4 inch joints (4 inch -5J2-J1, 4 inch -5J2-J2……., 4 inch -5J2-J25), 6 inch joints (6 inch -5J2-J1, 6 inch -5J2-J2…….., 6 inch -5J2-J7), 8 inch joints (8 inch -5J2-J1, 8 inch -5J2-J2…….., 8 inch -5J2-J5) and 10 inch joints (10 inch -5J2-J1) | 12/23/2014 | 12/24/2014 | 12/25/2014 | 1 | A |
| | IR-13-00015-NHT-838-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+085 to Sta. E0+087, from Sta. E0+095 to Sta. E0+100, and from Sta. E0+570 to Sta. E0+582 at RHS | 12/27/2014 | 12/28/2014 | 12/29/2014 | 1 | A |
| | IR-13-00015-NHT-839-A | Cast concrete for stem of boundary wall from Sta. E0+085 to Sta. E0+087, from Sta. E0+095 to Sta. E0+100, and from Sta. E0+570 to Sta. E0+582 at RHS | 12/27/2014 | 12/28/2014 | 12/29/2014 | 1 | A |
| | IR-13-00015-NHT-840-A | Subgrade of road from Sta. E0+000 to Sta. E0+040 | 12/27/2014 | 12/27/2014 | 12/28/2014 | 1 | A |
| | IR-13-00015-NHT-841-A | Base course layer from Sta. E0+000 to Sta. E0+240 | 12/27/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-842-A | Final formwork and steel reinforcement for step barriers from Sta. A1+378.80 to Sta. A1+385 at LHS | 12/27/2014 | 12/27/2014 | 12/28/2014 | 1 | C |
| | IR-13-00015-NHT-843-A | Cast concrete for step barriers from Sta. A1+378.80 to Sta. A1+385 at LHS | 12/27/2014 | 12/28/2014 | 12/29/2014 | 1 | C |
| | IR-13-00015-NHT-844-A | Topping layer from Sta. E0+000 to Sta. E0+040 | 12/27/2014 | 12/27/2014 | 12/28/2014 | 1 | A |
| | IR-13-00015-NHT-845-A | Start excavation of water trench at Battir water pipeline | 12/27/2014 | 12/29/2014 | 12/30/2014 | 1 | A |
| | IR-13-00015-NHT-846-A | Final formwork and cast concrete for stem of boundary wall from Sta. E0+570 to Sta. E0+582 at RHS | 12/28/2014 | 12/28/2014 | 12/29/2014 | 1 | A |
| | IR-13-00015-NHT-847-A | Base course for detour connect road at Sta. A3+150 at RHS | 12/28/2014 | 12/28/2014 | 12/29/2014 | 1 | C |
| | IR-13-00015-NHT-847-B | Base course for detour connect road at Sta. A3+150 at RHS | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-848-A | First backfilling layer behind retaining wall from Sta. B0+823 to Sta. B0+859 at RHS | 12/28/2014 | 12/28/2014 | 12/29/2014 | 1 | A |
| | IR-13-00015-NHT-849-A | Second base course layer of road from Sta. A6+340 to Sta. A6+600 | 12/28/2014 | 12/29/2014 | 12/30/2014 | 1 | A |
| | IR-13-00015-NHT-850-A | Final base course layer of road from Sta. E0+000 to Sta. E0+240 | 12/30/2014 | 12/31/2014 | 12/31/2014 | 0 | A |

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| | IR-13-00015-NHT-851-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS | 12/30/2014 | 12/30/2014 | 12/31/2014 | 1 | A |
| | IR-13-00015-NHT-852-A | Cast concrete for foundation of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS | 12/30/2014 | 12/30/2014 | 12/31/2014 | 1 | A |
| | IR-13-00015-NHT-853-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+880 to Sta. E0+890 at LHS | 12/30/2014 | 12/30/2014 | 12/31/2014 | 1 | A |
| | IR-13-00015-NHT-854-A | Cast concrete for foundation of boundary wall from Sta. E0+880 to Sta. E0+890 at LHS | 12/30/2014 | 12/30/2014 | 12/31/2014 | 1 | A |
| | IR-13-00015-NHT-855-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-856-A | Cast concrete for stem of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-857-A | Spreading prim coating (MC) from Sta. A6+340 to Sta. A6+790 | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-858-A | Spreading and compacting asphalt layer from Sta. A6+340 to Sta. A6+790 | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-859-A | Steel reinforcement for stem of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-860-A | Steel reinforcement for stem of concrete wall from Sta. E0+880 to Sta. E0+890 at LHS | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-861-A | Spreading prim coating (MC) from Sta. E0+020 to Sta. E0+230 | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-862-A | Spreading binder asphalt (3/4 inch) layer from Sta. E0+020 to Sta. E0+230 | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-863-A | Spreading prim coating (MC) from Sta. A1+600 to Sta. A1+800 | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-864-A | Spreading binder asphalt (3/4 inch) layer from Sta. A1+600 to Sta. A1+800 | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-865-A | Steel reinforcement for stem of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS | 1/5/2015 | 01/05/15 | 1/5/2015 | 0 | A |
| | IR-13-00015-NHT-866-A | Final formwork for stem of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS | 1/5/2015 | 1/5/2015 | 1/5/2015 | 0 | A |
| | IR-13-00015-NHT-867-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS | 12/31/2014 | 01/01/15 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-868-A | Steel reinforcement and final formwork for step barriers from Sta. A1+385 to Sta. A1+392.20 | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-869-A | Cast concrete for step barriers from Sta. A1+385 to Sta. A1+392.21 | 12/31/2014 | 12/31/2014 | 12/31/2014 | 0 | A |
| | IR-13-00015-NHT-870-A | Final finish base course layer from Sta. A1+600 to Sta. A1+800 | 12/31/2014 | 12/31/2014 | 1/1/2015 | 1 | A |
| | IR-13-00015-NHT-871-A | Cast concrete for foundation of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS | 1/1/2015 | 1/1/2015 | 1/1/2015 | 0 | A |
| | IR-13-00015-NHT-872-A | Subgrade of road from Sta. E0+980 to Sta. E0+920 | 1/1/2015 | 1/1/2015 | 1/1/2015 | 0 | A |

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| | IR-13-00015-NHT-873-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+880 to Sta. E0+887 at RHS | 1/3/2015 | 1/3/2015 | 1/4/2015 | 1 | A |
| | IR-13-00015-NHT-874-A | Cast concrete for foundation of boundary wall from Sta. E0+880 to Sta. E0+887 at RHS | 1/3/2015 | 1/3/2015 | 1/4/2015 | 1 | A |
| | IR-13-00015-NHT-875-A | Final formwork and cast concrete for stem of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS | 1/5/2015 | 1/5/2015 | 1/5/2015 | 0 | A |
| | IR-13-00015-NHT-876-A | Cast concrete for stem of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS | 1/5/2015 | 1/5/2015 | 1/5/2015 | 0 | A |
| | IR-13-00015-NHT-877-A | (268.40) LM of 12 inch steel pipe with ¼ inch wall thickness ,4.5 mm min cement lining and external epoxy coated.<br>(22) Piece of 12 inch shrinkable sheet with (CPS) | 1/12/2015 | 1/12/2015 | 1/12/2015 | 0 | C |
| | IR-13-00015-NHT-878-A | Cast blinding concrete under retaining wall from Sta. A7+540 to Sta. A7+564 at LHS | 1/12/2015 | 1/12/2015 | 1/13/2015 | 1 | A |
| | IR-13-00015-NHT-879-A | Steel reinforcement for foundation of main connection for Wadi Fukin at Sta. B0+955 at RHS | 1/15/2015 | 1/15/2015 | 1/15/2015 | 0 | A |
| | IR-13-00015-NHT-880-A | Final formwork and casting concrete for stem of retaining wall from Sta. E0+880 to Sta. E0+890 at LHS | 1/13/2015 | 1/13/2015 | 1/14/2015 | 1 | A |
| | IR-13-00015-NHT-881-A | Final formwork and steel reinforcement for foundation of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS | 1/13/2015 | 1/13/2015 | 1/14/2015 | 1 | A |
| | IR-13-00015-NHT-882-A | Casting concrete for foundation of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS | 1/13/2015 | 1/13/2015 | 1/14/2015 | 1 | A |
| | IR-13-00015-NHT-883-A | Subgrade of road from Sta. A1+420 to Sta. A1+460 | 1/14/2015 | 1/14/2015 | 1/15/2015 | 1 | A |
| | IR-13-00015-NHT-884-A | Steel reinforcement and final formwork for foundation of retaining wall from Sta. A7+540 to Sta. A7+564 at LHS | 1/15/2015 | 1/15/2015 | 1/15/2015 | 0 | A |
| | IR-13-00015-NHT-885-A | Cast concrete for foundation of retaining wall from Sta. A7+540 to Sta. A7+564 at LHS | 1/15/2015 | 1/15/2015 | 1/15/2015 | 0 | A |
| | IR-13-00015-NHT-886-A | Cast concrete for foundation of main connection for Wadi Fukin at Sta. B0+955 at RHS | 1/15/2015 | 1/15/2015 | 1/15/2015 | 0 | A |
| | IR-13-00015-NHT-887-A | Cast blinding concrete under retaining wall (L shape) from Sta. A7+355 to Sta. A7+393.40 at LHS | 1/15/2015 | 1/15/2015 | 1/15/2015 | 0 | A |
| | IR-13-00015-NHT-888-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS | 1/18/2015 | 1/18/2015 | 1/18/2015 | 0 | A |
| | IR-13-00015-NHT-889-A | Cast concrete for stem of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS | 1/18/2015 | 1/18/2015 | 1/18/2015 | 0 | A |
| | IR-13-00015-NHT-890-A | Start excavation subgrade of road from Sta. A6+790 to Sta. A7+050 | 1/18/2015 | 1/18/2015 | 1/19/2015 | 1 | C |

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| | IR-13-00015-NHT-890-B | Start excavation subgrade of road from Sta. A6+790 to Sta. A7+050 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-891-A | Steel reinforcement for stem of retaining wall from Sta. A7+540 to Sta. A7+550 at LHS | 1/19/2015 | 1/19/2015 | 1/20/2015 | 1 | C |
| | IR-13-00015-NHT-891-B | Steel reinforcement for stem of retaining wall from Sta. A7+540 to Sta. A7+550 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-892-A | Steel reinforcement and final formwork for foundation of retaining wall from Sta. A7+355 to Sta. A7+393.40 at LHS | 1/19/2015 | 1/20/2015 | 1/20/2015 | 0 | A |
| | IR-13-00015-NHT-893-A | Cast concrete for foundation of retaining wall from Sta. A7+355 to Sta. A7+393.40 at LHS | 1/19/2015 | 1/20/2015 | 1/20/2015 | 0 | A |
| | IR-13-00015-NHT-894-A | Final formwork for stem of retaining wall from Sta. A7+540 to Sta. A7+552 at LHS | 1/21/2015 | 1/21/2015 | 1/22/2015 | 1 | A |
| | IR-13-00015-NHT-895-A | Cast concrete for stem of retaining wall from Sta. A7+540 to Sta. A7+552 at LHS | 1/21/2015 | 1/21/2015 | 1/22/2015 | 1 | A |
| | IR-13-00015-NHT-896-A | Subgrade layer for road widening from Sta. E1+180 to Sta. E1+250 at RHS | 1/21/2015 | 1/21/2015 | 1/22/2015 | 1 | A |
| | IR-13-00015-NHT-897-A | First base course layer for road widening from Sta. E1+180 to Sta. E1+250 at RHS | 1/21/2015 | 1/21/2015 | 1/22/2015 | 1 | A |
| | IR-13-00015-NHT-898-A | Steel reinforcement and final formwork for concrete support at Segment D from S18 to S27 | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-899-A | Cast concrete for concrete support at Segment D from S18 to S27 | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-900-A | Final formwork for stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-901-A | Cast concrete for stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-902-A | Steel reinforcement and final formwork for step barriers from Sta. A1+350 to Sta. A1+342.60 at RHS, and from Sta. A1+392.20 to Sta. A1+399.60 at LHS | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-903-A | Cast concrete for step barriers from Sta. A1+350 to Sta. A1+342.60 at RHS, and from Sta. A1+392.20 to Sta. A1+399.60 at LHS | 1/26/2015 | 1/26/2015 | 1/27/2015 | 1 | A |
| | IR-13-00015-NHT-904-A | Steel reinforcement for stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS | 1/22/2015 | 1/24/2015 | 1/25/2015 | 1 | A |
| | IR-13-00015-NHT-905-A | Subgrade for road from Sta. C0+160 to Sta. C0+330 | 1/22/2015 | 1/24/2015 | 1/25/2015 | 1 | A |
| | IR-13-00015-NHT-906-A | Subgrade for road from Sta. A6+790 to Sta. A6+900 | 1/22/2015 | 1/24/2015 | 1/25/2015 | 1 | A |
| | IR-13-00015-NHT-907-A | First base course layer for road from Sta. A1+420 to Sta. A1+460 | 1/22/2015 | 1/24/2015 | 1/25/2015 | 1 | C |
| | IR-13-00015-NHT-907-B | First base course layer for road from Sta. A1+420 to Sta. A1+460 | 1/29/2015 | 1/31/2015 | 2/1/2015 | 1 | A |

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| | IR-13-00015-NHT-908-A | Steel reinforcement and final formwork for walls of main connection manhole at Sta. B0+955 | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-909-A | Cast concrete for walls of main connection manhole at Sta. B0+955 | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-910-A | Cast blinding concrete under foundation of retaining wall from Sta. A7+475 to Sta. A7+485 at LHS | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-911-A | Steel reinforcement for stem of retaining wall from Sta. A7+355 to Sta. A7+367.80 at LHS | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-912-A | Steel reinforcement for stem of retaining wall from Sta. A7+380.60 to Sta. A7+393.40 at LHS | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-913-A | Steel reinforcement and final formwork for step barriers from Sta. A1+350 to Sta. A1+372.20 at RHS | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-914-A | Cast concrete for step barriers from Sta. A1+350 to Sta. A1+372.20 at RHS | 1/25/2015 | 1/25/2015 | 1/26/2015 | 1 | A |
| | IR-13-00015-NHT-915-A | Final formwork for stem of retaining wall from Sta. A7+355 to Sta. A7+367.80, and from Sta. A7+380.60 to Sta. A7+393.40 at LHS | 1/26/2015 | 1/27/2015 | 1/28/2015 | 1 | A |
| | IR-13-00015-NHT-916-A | Cast concrete for stem of retaining wall from Sta. A7+355 to Sta. A7+367.80, and from Sta. A7+380.60 to Sta. A7+393.40 at LHS | 1/26/2015 | 1/27/2015 | 1/28/2015 | 1 | A |
| | IR-13-00015-NHT-917-A | Topping layer of road from Sta. C0+160 to Sta. C0+260 | 1/27/2015 | 1/27/2015 | 1/28/2015 | 1 | A |
| | IR-13-00015-NHT-918-A | Topping layer of road from Sta. E0+920 to Sta. E1+140 | 1/27/2015 | 1/27/2015 | 1/28/2015 | 1 | C |
| | IR-13-00015-NHT-918-B | Topping layer of road from Sta. E0+920 to Sta. E1+140 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-919-A | Base course for road from Sta. C0+000 to Sta. C0+329.8 | 1/29/2015 | 1/31/2015 | 2/1/2015 | 1 | C |
| | IR-13-00015-NHT-919-B | Base course for road from Sta. C0+000 to Sta. C0+329.8 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-920-A | Steel reinforcement and final formwork for foundation of retaining wall from Sta. A7+475 to Sta. A7+485 at LHS | 1/27/2015 | 1/27/2015 | 1/28/2015 | 1 | A |
| | IR-13-00015-NHT-921-A | Topping layer of road from Sta. A6+240 to Sta. A6+340 | 1/28/2015 | 1/28/2015 | 1/29/2015 | 1 | C |
| | IR-13-00015-NHT-922-A | Steel reinforcement for stem of retaining wall from Sta. A7+475 to Sta. A7+485 at LHS | 1/29/2015 | 1/31/2015 | 2/1/2015 | 1 | A |
| | IR-13-00015-NHT-923-A | Steel reinforcement for stem of retaining wall from Sta. A7+367.80 to Sta. A7+380.60 at LHS | 1/29/2015 | 1/31/2015 | 2/1/2015 | 1 | A |
| | IR-13-00015-NHT-924-A | Subgrade for road from Sta. A6+900 to Sta. A7+100 | 1/29/2015 | 1/31/2015 | 2/1/2015 | 1 | A |
| | IR-13-00015-NHT-925-A | Cast blinding concrete under foundation of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |
| | IR-13-00015-NHT-926-A | Cast blinding concrete under foundation of concrete wall from Sta. B0+865 to Sta. B0+881 at RHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |

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| | IR-13-00015-NHT-927-A | Final formwork for stem of retaining wall from Sta. A7+475 to Sta. A7+485 at LHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |
| | IR-13-00015-NHT-928-A | Final formwork for stem of retaining wall from Sta. A7+367.8 to Sta. A7+380.6 at LHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |
| | IR-13-00015-NHT-929-A | Cast concrete for stem of retaining wall from Sta. A7+367.8 to Sta. A7+380.6 at LHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |
| | IR-13-00015-NHT-930-A | Cast concrete for stem of retaining wall from Sta. A7+475 to Sta. A7+485 at LHS | 2/2/2015 | 2/2/2015 | 2/3/2015 | 1 | A |
| | IR-13-00015-NHT-931-A | Start excavation subgrade of road from Sta. E0+500 to Sta. E0+900 | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-932-A | ARV precast chamber at Sta. A6+040 due to start excavation and installation | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-933-A | G.V and W.O precast chamber at Sta. A6+206 due to start excavation and installation | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-934-A | Steel reinforcement and final formwork for concrete support at Segment D from S9 to S17 | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-935-A | Cast concrete for concrete support at Segment D from S9 to S17 | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-936-A | Pressure test for water pipe line from Sta. C0+000 to Sta. C0+330 | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-937-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-938-A | Cast concrete for foundation of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-939-A | Steel reinforcement and final formwork for foundation of concrete wall from Sta. B0+865 to Sta. B0+881 at RHS | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-940-A | Cast concrete for foundation of concrete wall from Sta. B0+865 to Sta. B0+881 at RHS. | 2/3/2015 | 2/3/2015 | 2/4/2015 | 1 | A |
| | IR-13-00015-NHT-941-A | Backfilling for precast chamber (ARV) at Sta. A6+040 | 2/4/2015 | 2/4/2015 | 2/4/2015 | 0 | C |
| | IR-13-00015-NHT-942-A | Backfilling for precast chamber (G.V and W.O) at Sta. A6+206 | 2/4/2015 | 2/5/2015 | 2/6/2015 | 1 | A |
| | IR-13-00015-NHT-943-A | Casting concrete for stone wall copping from Sta. A1+020 to Sta. A1+080 at RHS | 2/5/2015 | 2/24/2015 | 2/25/2015 | 1 | A |
| | IR-13-00015-NHT-944-A | Final formwork and steel reinforcement for roof slab of Wadi Fukin connection chamber at Sta. B0+955 at RHS | 2/4/2015 | 2/4/2015 | 2/5/2015 | 1 | A |
| | IR-13-00015-NHT-945-A | Cast concrete for roof slab of Wadi Fukin connection chamber at Sta. B0+955 at RHS | 2/4/2015 | 2/4/2015 | 2/5/2015 | 1 | A |
| | IR-13-00015-NHT-946-A | Spreading prim coating (MC) from Sta. C0+000 to Sta. C0+320 | 2/4/2015 | 2/6/2015 | 2/7/2015 | 1 | A |

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| | IR-13-00015-NHT-947-A | Spreading wearing asphalt (3/4 inch) layer (7cm) from Sta. C0+000 to Sta. C0+320 | 2/4/2015 | 2/6/2015 | 2/7/2015 | 1 | A |
| | IR-13-00015-NHT-948-A | Second base course layer for road (inter section) from Sta. A1+420 to Sta. A1+460 and Sta. E-0+038 to Sta. E0+000 | 2/4/2015 | 2/5/2015 | 2/6/2015 | 1 | C |
| | IR-13-00015-NHT-949-A | Steel reinforcement and cast concrete for concrete protection from Sta. A2+030 to Sta. A2+230 LHS & RHS | 2/4/2015 | 2/5/2015 | 2/5/2015 | 0 | A |
| | IR-13-00015-NHT-950-A | Subgrade for road from Sta. E0+500 to Sta. E0+640 | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | C |
| | IR-13-00015-NHT-951-A | Inspection for the location of Combination three 200 mm G.V with 80 mm ARV at Sta. A7+422- segment A | 2/5/2015 | 2/5/2015 | 2/6/2015 | 1 | A |
| | IR-13-00015-NHT-952-A | Steel reinforcement and final formwork for concrete support at Segment D from S# 01 to S#07 | 2/5/2015 | 2/5/2015 | 2/6/2015 | 1 | A |
| | IR-13-00015-NHT-953-A | Cast concrete for concrete support at Segment D from S# 01 to S#07 | 2/5/2015 | 2/5/2015 | 2/6/2015 | 1 | A |
| | IR-13-00015-NHT-954-A | House connection from Sta. A6+800 to Sta. A7+100-Segment A | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-955-A | Spreading prime coating (MC) for detour road at Sta. A3+100-segment A | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-956-A | Spreading wearing asphalt (3/4 inch) layer for detour road at Sta. A3+100-segment A | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-957-A | Spreading prime coating (MC) for intersection of segment E and segment A from Sta. A1+420 to Sta. A1+460 and from Sta. E-0+038 to Sta. E0+000 | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-958-A | Spreading wearing asphalt (3/4 inch) layer for intersection of segment E and segment A from Sta. A1+420 to Sta. A1+460 and from Sta. E-0+038 to Sta. E0+000 | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | C |
| | IR-13-00015-NHT-959-A | Steel reinforcement for boundary wall from Sta. B0+865 to Sta. B0+880 at RHS | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-960-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-961-A | Cast concrete for stem of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-962-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E1+050 to Sta. E1+100 at RHS | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-963-A | Cast concrete for foundation of boundary wall from Sta. E1+050 to Sta. E1+100 at RHS | 2/5/2015 | 2/7/2015 | 2/8/2015 | 1 | A |
| | IR-13-00015-NHT-964-A | Spreading prim coating (MC) for road from Sta. E0+920 to Sta. E1+160 | 2/5/2015 | 2/6/2015 | 2/7/2015 | 1 | A |
| | IR-13-00015-NHT-965-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. E0+920 to Sta. E1+160 | 2/5/2015 | 2/6/2015 | 2/7/2015 | 1 | A |

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| | IR-13-00015-NHT-966-A | Steel reinforcement for concrete protection from Sta. C0+010 to Sta. C0+290 at LHS and RHS | 2/8/2015 | 2/8/2015 | 2/8/2015 | 0 | A |
| | IR-13-00015-NHT-967-A | Cast concrete for concrete protection from Sta. C0+010 to Sta. C0+290 at LHS and RHS | 2/8/2015 | 2/8/2015 | 2/8/2015 | 0 | A |
| | IR-13-00015-NHT-968-A | Steel reinforcement for foundation of combination three 200 mm G.V with 80 mm ARV at Sta. A7+390 | 2/8/2015 | 2/8/2015 | 2/9/2015 | 1 | A |
| | IR-13-00015-NHT-969-A | Cast concrete for foundation of combination three 200 mm G.V with 80 mm ARV at Sta. A7+390 | 2/8/2015 | 2/8/2015 | 2/9/2015 | 1 | A |
| | IR-13-00015-NHT-970-A | Steel reinforcement for stem of boundary wall From Sta. E1+050 to Sta. E1+063 at RHS | 2/9/2015 | 2/9/2015 | 2/9/2015 | 0 | A |
| | IR-13-00015-NHT-971-A | Steel reinforcement and final formwork for concrete support at Segment D From S#68 to S#79 | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | A |
| | IR-13-00015-NHT-972-A | Cast concrete for concrete support at Segment D From S#68 to S#79 | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | A |
| | IR-13-00015-NHT-973-A | Steel reinforcement for stem of boundary wall from Sta. E1+084.5 to Sta. E1+097.5 at RHS | 02/09/15 | 02/09/15 | 2/9/2015 | 0 | A |
| | IR-13-00015-NHT-974-A | Final formwork for stem of boundary wall from Sta. E1+050 to Sta. E1+063 and from Sta. E1+084.5 to Sta. E1+097.5 at RHS | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | A |
| | IR-13-00015-NHT-975-A | Cast concrete for stem of boundary wall from Sta. E1+050 to Sta. E1+063 and from Sta. E1+084.5 to Sta. E1+097.5 at RHS | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | A |
| | IR-13-00015-NHT-976-A | Subgrade for road from Sta. E0+640 to Sta. E0+900 | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | C |
| | IR-13-00015-NHT-977-A | Topping layer for road from Sta. E0+500 to Sta. E0+780 | 2/10/2015 | 2/10/2015 | 2/11/2015 | 1 | C |
| | IR-13-00015-NHT-977-B | Topping layer for road from Sta. E0+500 to Sta. E0+780 | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | C |
| | IR-13-00015-NHT-978-A | Locating of gate valve 100 mm at Sta. E0+885-segment E | 2/11/2015 | 2/11/2015 | 2/11/2015 | 0 | A |
| | IR-13-00015-NHT-979-A | Steel reinforcement for walls of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425 | 2/11/2015 | 2/11/2015 | 2/12/2015 | 1 | A |
| | IR-13-00015-NHT-980-A | Cast concrete for walls of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425 | 2/11/2015 | 2/11/2015 | 2/12/2015 | 1 | A |
| | IR-13-00015-NHT-981-A | Spreading tack coat (RC) from Sta. A3+750 to Sta. A4+250 | 2/12/2015 | 2/15/2015 | 2/16/2015 | 1 | C |
| | IR-13-00015-NHT-981-B | Spreading tack coat (RC) from Sta. A3+750 to Sta. A4+250 | 4/8/2015 | 4/8/2015 | 4/8/2015 | 0 | A |
| | IR-13-00015-NHT-982-A | Spreading wearing asphalt (3/4 inch) layer from Sta. A3+750 to Sta. A4+250 | 2/12/2015 | 2/15/2015 | 2/16/2015 | 1 | C |
| | IR-13-00015-NHT-983-A | Second base course layer of road from Sta. A6+800 to Sta. A7+100 | 2/24/2015 | 2/25/2015 | 2/26/2015 | 1 | D |
| | IR-13-00015-NHT-984-A | Base course for side walk from Sta. A6+400 to Sta. A6+800 at LHS & RHS | 2/12/2015 | 2/14/2015 | 2/15/2015 | 1 | A |

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| | IR-13-00015-NHT-985-A | Steel reinforcement and final formwork for roof slab of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425 | 2/12/2015 | 2/14/2015 | 2/15/2015 | 1 | A |
| | IR-13-00015-NHT-986-A | Cast concrete for roof slab of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425 | 2/12/2015 | 2/14/2015 | 2/15/2015 | 1 | A |
| | IR-13-00015-NHT-987-A | Steel reinforcement for stem of boundary wall from Sta. E1+050 to Sta. E1+100 at RHS | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | A |
| | IR-13-00015-NHT-988-A | Locating of Battir chamber at Sta. A7+400 | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | A |
| | IR-13-00015-NHT-989-A | First layer of backfilling for internal face of retaining wall from Sta. A7+355 to Sta. A7+396.55, from Sta. A7+540 to Sta. A7+564,and from Sta. A7+475 to Sta. A7+488 at LHS | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | A |
| | IR-13-00015-NHT-990-A | Cast concrete for stem of boundary wall from Sta. E1+063 to Sta. E1+084.5 at RHS | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | A |
| | IR-13-00015-NHT-991-A | Cast blinding concrete under foundation of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS | 2/15/2015 | 2/15/2015 | 2/16/2015 | 1 | A |
| | IR-13-00015-NHT-992-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 2/16/2015 | 2/16/2015 | 2/17/2015 | 1 | A |
| | IR-13-00015-NHT-993-A | Cast concrete for foundation of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 2/16/2015 | 2/16/2015 | 2/17/2015 | 1 | A |
| | IR-13-00015-NHT-994-A | Steel reinforcement for foundation of retaining wall from Sta. A7+170 to Sta. A7+191.2 at LHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | A |
| | IR-13-00015-NHT-995-A | Steel reinforcement for foundation of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | A |
| | IR-13-00015-NHT-996-A | Spreading prim coating (MC) for side walk from Sta. B0+695 to Sta. B0+740 at LHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | A |
| | IR-13-00015-NHT-997-A | Spreading asphalt (3/4 inch) layer for side walk from Sta. B0+695 to Sta. B0+740 at LHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | C |
| | IR-13-00015-NHT-998-A | Steel reinforcement for concrete protection Between Sta. A3+150 and Sta. A3+250 at RHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | A |
| | IR-13-00015-NHT-999-A | Cast concrete for concrete protection Between Sta. A3+150 and Sta. A3+250 at RHS | 2/17/2015 | 2/17/2015 | 2/18/2015 | 1 | A |
| | IR-13-00015-NHT-1000-A | Compaction and shaping for base course and steel reinforcement for ditches from Sta. A1+390 to Sta. A1+460 at RHS | 2/18/2015 | 2/18/2015 | 2/19/2015 | 1 | A |
| | IR-13-00015-NHT-1001-A | Cast concrete for ditches from Sta. A1+390 to Sta. A1+460 at RHS | 2/18/2015 | 2/18/2015 | 2/19/2015 | 1 | A |

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| | IR-13-00015-NHT-1002-A | Cast concrete for foundation of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS | 2/18/2015 | 2/18/2015 | 2/19/2015 | 1 | A |
| | IR-13-00015-NHT-1003-A | Cast concrete for foundation of retaining wall from Sta. A7+170 to Sta. A7+191.2 at LHS | 2/18/2015 | 2/18/2015 | 2/19/2015 | 1 | A |
| | IR-13-00015-NHT-1004-A | Close the environmental check list for March 2014 (part1) at the site of Nahaleen main pipeline project | 2/19/2015 | 2/22/2015 | 2/23/2015 | 1 | A |
| | IR-13-00015-NHT-1005-A | Close the environmental check list for March 2014 (part2) at the site of Nahaleen main pipeline project | 2/19/2015 | 2/22/2015 | 2/23/2015 | 1 | A |
| | IR-13-00015-NHT-1006-A | Close the environmental check list for April 2014 at the site of Nahaleen main pipeline project | 2/19/2015 | 2/22/2015 | 2/23/2015 | 1 | A |
| | IR-13-00015-NHT-1007-A | Close the environmental check list for August 2014 except land restoration at the site of Nahaleen main pipeline project | 2/19/2015 | 2/22/2015 | 2/23/2015 | 1 | A |
| | IR-13-00015-NHT-1008-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 2/23/2015 | 2/23/2015 | 2/24/2015 | 1 | C |
| | IR-13-00015-NHT-1008-B | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 2/25/2015 | 2/25/2015 | 2/26/2015 | 1 | C |
| | IR-13-00015-NHT-1008-C | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1009-A | Excavation and foundation for one side shutter of stone wall protection from Sta. A0+680 to Sta. A0+700 at LHS | 2/23/2015 | 2/23/2015 | 2/24/2015 | 1 | A |
| | IR-13-00015-NHT-1010-A | Cast concrete for one side shutter of stone wall protection up to 60 cm from Sta. A0+680 to Sta. A0+700 at LHS | 2/23/2015 | 2/23/2015 | 2/24/2015 | 1 | A |
| | IR-13-00015-NHT-1011-A | Cast concrete for step barriers foundation from Sta. A0+460 to Sta. A0+484 at LHS | 2/23/2015 | 2/23/2015 | 2/24/2015 | 1 | A |
| | IR-13-00015-NHT-1012-A | Base course and compaction for side walk From Sta. E0+045.94 to Sta. E0+173.01 at LHS | 2/23/2015 | 2/24/2015 | 2/25/2015 | 1 | A |
| | IR-13-00015-NHT-1013-A | Steel reinforcement for side walk from Sta. E0+045.94 to Sta. E0+173.01 at LHS | 2/23/2015 | 2/24/2015 | 2/25/2015 | 1 | A |
| | IR-13-00015-NHT-1014-A | Installation of curbstone from Sta. E0+045.94 to Sta. E0+173.01 at LHS | 2/23/2015 | 2/23/2015 | 2/23/2015 | 0 | C |
| | IR-13-00015-NHT-1015-A | Start excavation subgrade of road from Sta. A7+500 to Sta. A8+200 | 2/24/2015 | 2/24/2015 | 2/25/2015 | 1 | C |
| | IR-13-00015-NHT-1015-B | Start excavation subgrade of road from Sta. A7+500 to Sta. A8+200 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |

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| | IR-13-00015-NHT-1016-A | Cast concrete for stem of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 2/25/2015 | 2/25/2015 | 2/26/2015 | 1 | C |
| | IR-13-00015-NHT-1016-B | Cast concrete for stem of boundary wall from Sta. E0+989 to Sta. E0+993 at LHS and from Sta. E0+948 to Sta. E0+962 at RHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1017-A | Steel reinforcement and final formwork for foundation of retaining wall from Sta. E0+770 to Sta. E0+778 at LHS | 2/25/2015 | 2/25/2015 | 2/26/2015 | 1 | A |
| | IR-13-00015-NHT-1018-A | Cast concrete for foundation of retaining wall from Sta. E0+770 to Sta. E0+778 at LHS | 2/25/2015 | 2/25/2015 | 2/26/2015 | 1 | A |
| | IR-13-00015-NHT-1019-A | Preparation of road surface for back fill up to subgrade level from Sta. A8+000 to Sta. A8+180 | 2/25/2015 | 2/25/2015 | 2/26/2015 | 1 | A |
| | IR-13-00015-NHT-1020-A | Steel reinforcement and final formwork for step barriers from Sta. A0+458 to Sta. A0+462 , from Sta. A0+466 to Sta. A0+470 and from Sta. A0+474 to Sta. A0+478 at LHS | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | A |
| | IR-13-00015-NHT-1021-A | Cast concrete for step barriers from Sta. A0+458 to Sta. A0+462 , from Sta. A0+466 to Sta. A0+470 and from Sta. A0+474 to Sta. A0+478 at LHS | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | A |
| | IR-13-00015-NHT-1022-A | Steel reinforcement and final formwork for stem of retaining wall From Sta. B0+690 to Sta. B0+708 at RHS | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | A |
| | IR-13-00015-NHT-1023-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. E0+630 to Sta. E0+653 at RHS | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | A |
| | IR-13-00015-NHT-1024-A | Cast concrete for foundation of boundary wall from Sta. E0+630 to Sta. E0+653 at RHS | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | A |
| | IR-13-00015-NHT-1025-A | Excavation, installation, isolation and final backfill for ARV chambers at Sta. E0+350 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | C |
| | IR-13-00015-NHT-1025-B | location of Combined 75mm G.V and 50 mm ARV at Sta. E+355 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1026-A | Excavation, installation, isolation and final backfill for G.V chamber at Sta. E0+405 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | C |
| | IR-13-00015-NHT-1026-B | location of Combined 100 mm and 50 mm G.V at Sta. C0+320 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1027-A | Steel reinforcement for foundation of chamber for Battir at Sta. A7+400 | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | C |
| | IR-13-00015-NHT-1027-B | Steel reinforcement for foundation of chamber for Battir at Sta. A7+400 | 3/1/2015 | 3/1/2015 | 3/1/2015 | 0 | A |
| | IR-13-00015-NHT-1028-A | Cast concrete for foundation of chamber for Battir at Sta. A7+400 | 2/26/2015 | 2/26/2015 | 2/26/2015 | 0 | C |
| | IR-13-00015-NHT-1028-B | Cast concrete for foundation of chamber for Battir at Sta. A7+400 | 3/1/2015 | 3/1/2015 | 3/1/2015 | 0 | A |
| | IR-13-00015-NHT-1029-A | Spreading prim coating (MC) from Sta. A6+800 to Sta. A7+100 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | A |
| | IR-13-00015-NHT-1030-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. A6+800 to Sta. A7+100 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | A |

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| | IR-13-00015-NHT-1031-A | Excavation, installation, isolation and final backfill for G.V chamber at Sta. E0+460 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | C |
| | IR-13-00015-NHT-1031-B | location of Combined 150 mm and 50 mm G.V at Sta. E0+445 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1032-A | Excavation, installation, isolation and final backfill for G.V chamber at Sta. E0+500 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | C |
| | IR-13-00015-NHT-1032-B | location of Combined 100mm G.V and 50 mm G.V at Sta. E0+500 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1033-A | Excavation, installation, isolation and final backfill for G.V chambers at Sta. E0+580 | 2/26/2015 | 2/28/2015 | 3/1/2015 | 1 | C |
| | IR-13-00015-NHT-1033-B | location of 50 mm G.V at Sta. E0+590 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1034-A | Steel reinforcement for stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS | 2/28/2015 | 2/28/2015 | 3/1/2015 | 1 | A |
| | IR-13-00015-NHT-1035-A | Cast concrete for stem of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | A |
| | IR-13-00015-NHT-1036-A | Cast concrete for side walk from Sta. E0+045.94 to Sta. E0+173.01 at LHS | 2/23/2015 | 2/24/2015 | 2/24/2015 | 0 | C |
| | IR-13-00015-NHT-1037-A | Steel reinforcement and final formwork for step barriers from Sta. A0+462 to Sta. A0+466 and from Sta. A0+470 to Sta. A0+474 at LHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | A |
| | IR-13-00015-NHT-1038-A | Cast concrete for step barriers from Sta. A0+462 to Sta. A0+466 and from Sta. A0+470 to Sta. A0+474 at LHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | A |
| | IR-13-00015-NHT-1039-A | Steel reinforcement and final formwork for step barriers from Sta. A0+680 to Sta. A0+686 and from Sta. A0+694 to Sta. A0+700 at LHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | A |
| | IR-13-00015-NHT-1040-A | Cast concrete for step barriers from Sta. A0+680 to Sta. A0+686 and from Sta. A0+694 to Sta. A0+700 at LHS | 3/1/2015 | 3/1/2015 | 3/2/2015 | 1 | A |
| | IR-13-00015-NHT-1041-A | Subgrade of road from Sta. A7+860 to Sta. A8+000 | 3/2/2015 | 3/2/2015 | 3/3/2015 | 1 | C |
| | IR-13-00015-NHT-1041-B | Subgrade of road from Sta. A7+860 to Sta. A8+001 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1042-A | First back fill up to subgrade level for road from Sta. A8+000 to Sta. A8+180 | 3/2/2015 | 3/2/2015 | 3/3/2015 | 1 | C |
| | IR-13-00015-NHT-1042-B | First back fill up to subgrade level for road from Sta. A8+000 to Sta. A8+180 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1043-A | Spreading tack coat (RC) from Sta. A4+250 to Sta. A5+490 | 3/2/2015 | 3/3/2015 | 3/4/2015 | 1 | A |
| | IR-13-00015-NHT-1044-A | Spreading wearing asphalt (3/4 inch) layer from Sta. A4+250 to Sta. A5+490 | 3/2/2015 | 3/3/2015 | 3/4/2015 | 1 | A |
| | IR-13-00015-NHT-1045-A | Pressure test for 2 inch pipeline and house connection from Sta. E0+480 to Sta. E0+6000 | 3/2/2015 | 3/11/2015 | 3/12/2015 | 1 | A |

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| | IR-13-00015-NHT-1046-A | Steel reinforcement and final formwork for stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS | 3/3/2015 | 3/3/2015 | 3/3/2015 | 0 | C |
| | IR-13-00015-NHT-1046-B | Steel reinforcement and final formwork for stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1047-A | Cast concrete for stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS | 3/3/2015 | 3/3/2015 | 3/3/2015 | 0 | C |
| | IR-13-00015-NHT-1047-B | Cast concrete for stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1048-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. E0+630 to Sta. E0+646.4 at RHS | 3/3/2015 | 3/3/2015 | 3/4/2015 | 1 | A |
| | IR-13-00015-NHT-1049-A | Cast concrete for stem of boundary wall from Sta. E0+630 to Sta. E0+646.4 at RHS | 3/3/2015 | 3/4/2015 | 3/4/2015 | 0 | A |
| | IR-13-00015-NHT-1050-A | Subgrade for road from Sta. A7+700 to Sta. A7+860 | 3/3/2015 | 3/3/2015 | 3/4/2015 | 1 | C |
| | IR-13-00015-NHT-1050-B | Subgrade for road from Sta. A7+700 to Sta. A7+860 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1051-A | Subgrade for road from Sta. A7+600 to Sta. A7+700 | 3/4/2015 | 3/4/2015 | 3/5/2015 | 1 | C |
| | IR-13-00015-NHT-1051-B | Subgrade for road from Sta. A7+600 to Sta. A7+700 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1052-A | Continue installation of 600mm concrete storm water pipe line from manhole (1) at Sta. A6+198 to manhole (2) at Sta. A6+220 | 3/4/2015 | 3/4/2015 | 3/5/2015 | 1 | A |
| | IR-13-00015-NHT-1053-A | Subgrade of road from Sta. A7+460 to Sta. A7+600 | 3/5/2015 | 3/7/2015 | 3/8/2015 | 1 | C |
| | IR-13-00015-NHT-1053-B | Subgrade of road from Sta. A7+460 to Sta. A7+600 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1054-A | Base course layer for road from Sta. E0+740 to Sta. E0+900 | 3/5/2015 | 3/8/2015 | 3/8/2015 | 0 | C |
| | IR-13-00015-NHT-1055-A | Start digging for electrical trench from Sta. A3+300 to Sta. A3+750 | 3/5/2015 | 3/7/2015 | 3/8/2015 | 1 | C |
| | IR-13-00015-NHT-1055-B | Start digging for electrical trench from Sta. A3+300 to Sta. A3+750 | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1056-A | Steel reinforcement and final formwork for stem of concrete wall from Sta. E0+770 to Sta. E0+778 at LHS | 3/5/2015 | 3/7/2015 | 3/8/2015 | 1 | C |
| | IR-13-00015-NHT-1057-A | Cast concrete for stem of concrete wall from Sta. E0+770 to Sta. E0+778 at LHS | 3/5/2015 | 3/7/2015 | 3/8/2015 | 1 | C |
| | IR-13-00015-NHT-1058-A | Cast blinding concrete under foundation of retaining wall for Battir from Sta. 0+580 to Sta. 0+651.90 at LHS | 3/5/2015 | 3/7/2015 | 3/8/2015 | 1 | C |
| | IR-13-00015-NHT-1058-B | Cast blinding concrete under foundation of retaining wall for Battir from Sta. 0+580 to Sta. 0+651.90 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1059-A | Pressure test for 2 inch pipeline and house connection from Sta. E0+760 to Sta. E1+000 | 3/8/2015 | 3/8/2015 | 3/8/2015 | 0 | A |
| | IR-13-00015-NHT-1060-A | Subgrade of road from Sta. A8+000 to Sta. A8+204 | 3/8/2015 | 3/8/2015 | 3/9/2015 | 1 | A |
| | IR-13-00015-NHT-1061-A | Final base course layer from Sta. E0+500 to Sta. E0+900 | 3/8/2015 | 3/8/2015 | 3/8/2015 | 0 | C |

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| | IR-13-00015-NHT-1062-A | Steel reinforcement for stem of retaining wall from Sta. A7+180.5 to Sta. A7+191.2 | 3/8/2015 | 3/8/2015 | 3/8/2015 | 0 | A |
| | IR-13-00015-NHT-1063-A | Final formwork for stem of retaining wall from Sta. A7+180.5 to Sta. A7+191.2 at LHS | 3/9/2015 | 3/9/2015 | 3/10/2015 | 1 | A |
| | IR-13-00015-NHT-1064-A | Cast concrete for stem of retaining wall from Sta. A7+180.5 to Sta. A7+191.2 at LHS | 3/10/2015 | 3/10/2015 | 3/10/2015 | 0 | A |
| | IR-13-00015-NHT-1065-A | Subgrade for road from Sta. E0+420 to Sta. E0+500 | 3/10/2015 | 3/11/2015 | 3/12/2015 | 1 | C |
| | IR-13-00015-NHT-1065-B | Subgrade for road from Sta. E0+420 to Sta. E0+500 | 4/8/2015 | 4/8/2015 | 4/8/2015 | 0 | C |
| | IR-13-00015-NHT-1066-A | Steel reinforcement and final formwork for foundation of retaining wall for Battir from Sta. 0+580 to Sta. 0+651.90 at LHS | 3/11/2015 | 3/11/2015 | 3/12/2015 | 1 | A |
| | IR-13-00015-NHT-1067-A | Cast concrete for foundation of retaining wall for Battir from Sta. 0+580 to Sta. 0+651.90 at LHS | 3/11/2015 | 3/11/2015 | 3/12/2015 | 1 | A |
| | IR-13-00015-NHT-1068-A | Steel reinforcement and final formwork for stair at Sta. A7+563.9 at LHS. | 3/11/2015 | 3/14/2015 | 3/15/2015 | 1 | A |
| | IR-13-00015-NHT-1069-A | Cast concrete for stair at Sta. A7+563.9 at LHS. | 3/11/2015 | 3/14/2015 | 3/15/2015 | 1 | A |
| | IR-13-00015-NHT-1070-A | Pressure test for 2 inch pipeline and house connection from Sta. E0+600 to Sta. E0+740 | 3/12/2015 | 3/12/2015 | 3/12/2015 | 0 | A |
| | IR-13-00015-NHT-1071-A | Cast blinding concrete under foundation of retaining wall from Sta. A7+200 to Sta. A7+210 at LHS | 3/12/2015 | 3/14/2015 | 3/15/2015 | 1 | A |
| | IR-13-00015-NHT-1072-A | Final formwork and steel reinforcement for wall of Battir main connection chamber at Sta. A7+400 at LHS | 3/15/2015 | 3/15/2015 | 3/15/2015 | 0 | A |
| | IR-13-00015-NHT-1073-A | Cast concrete for wall of Battir main connection chamber at Sta. A7+400 at LHS | 3/15/2015 | 3/15/2015 | 3/16/2015 | 1 | A |
| | IR-13-00015-NHT-1074-A | Location and length for house connection at Battir | 3/15/2015 | 3/15/2015 | 3/16/2015 | 1 | C |
| | IR-13-00015-NHT-1075-A | Location of the PRV manhole at Sta. A6+140 | 3/15/2015 | 3/15/2015 | 3/15/2015 | 0 | D |
| | IR-13-00015-NHT-1076-A | Location of 50mm ARV, 100mm GV, and 50mm GV at Sta. H0+020 | 3/16/2015 | 3/16/2015 | 3/16/2015 | 0 | A |
| | IR-13-00015-NHT-1077-A | Steel reinforcement for stem of retaining wall for Battir from Sta. 0+580 to Sta. 0+597 at LHS | 3/16/2015 | 3/16/2015 | 3/17/2015 | 1 | A |
| | IR-13-00015-NHT-1078-A | Steel reinforcement for stem of retaining wall for Battir from Sta. 0+614 to Sta. 0+634 at LHS | 3/16/2015 | 3/16/2015 | 3/17/2015 | 1 | A |
| | IR-13-00015-NHT-1079-A | Steel reinforcement for foundation of retaining wall from Sta. A7+205 to Sta. A7+215 at LHS | 3/16/2015 | 3/16/2015 | 3/16/2015 | 0 | A |
| | IR-13-00015-NHT-1080-A | Installation of safety measurement prior the excavation works from Sta. E0+300 to Sta. E0+420 | 3/16/2015 | 3/16/2015 | 3/16/2015 | 0 | C |
| | IR-13-00015-NHT-1081-A | Steel reinforcement for concrete protection from Sta. A3+860 to Sta. A5+330 at RHS | 3/16/2015 | 3/16/2015 | 3/17/2015 | 1 | A |

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| | IR-13-00015-NHT-1082-A | Cast concrete for concrete protection from Sta. A3+860 to Sta. A5+330 at RHS | 3/16/2015 | 3/17/2015 | 3/18/2015 | 1 | A |
| | IR-13-00015-NHT-1083-A | location of precast manhole Combined 100 mm and 50 mm G.V at Sta. H0+330 | 3/17/2015 | 3/17/2015 | 3/18/2015 | 1 | A |
| | IR-13-00015-NHT-1084-A | Pressure test for 2 inch, 3 inch, and 4 inch pipeline and house connection from Sta. E0+880 to Sta. E1+367and from Sta. A3+320 to Sta. A3+560 | 3/17/2015 | 3/17/2015 | 3/18/2015 | 1 | D |
| | IR-13-00015-NHT-1085-A | Final formwork and steel reinforcement for foundation of concrete wall from Sta. A7+745 to Sta. A7+752 at RHS | 3/14/2015 | 3/14/2015 | 3/15/2015 | 1 | A |
| | IR-13-00015-NHT-1086-A | Cast concrete for foundation of concrete wall from Sta. A7+745 to Sta. A7+752 at RHS | 3/14/2015 | 3/14/2015 | 3/15/2015 | 1 | A |
| | IR-13-00015-NHT-1087-A | Final formwork and steel reinforcement for stem of concrete wall from Sta. A7+745 to Sta. A7+752 at RHS | 3/17/2015 | 3/17/2015 | 3/18/2015 | 1 | A |
| | IR-13-00015-NHT-1088-A | Cast concrete for stem of concrete wall from Sta. A7+745 to Sta. A7+752 at RHS | 3/17/2015 | 3/17/2015 | 3/18/2015 | 1 | A |
| | IR-13-00015-NHT-1089-A | Final formwork for stem of retaining wall for Battir from Sta. 0+580 to Sta. 0+597 at LHS | 3/18/2015 | 3/18/2015 | 3/18/2015 | 0 | A |
| | IR-13-00015-NHT-1090-A | Cast concrete for stem of retaining wall for Battir from Sta. 0+580 to Sta. 0+597 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1091-A | Final formwork for stem of retaining wall for Battir from Sta. 0+614 to Sta. 0+634 at LHS | 3/18/2015 | 3/18/2015 | 3/18/2015 | 0 | A |
| | IR-13-00015-NHT-1092-A | Cast concrete for stem of retaining wall for Battir from Sta. 0+614 to Sta. 0+634 at LHS | 3/18/2015 | 3/18/2015 | 3/19/2015 | 1 | A |
| | IR-13-00015-NHT-1093-A | First base course layer for road from Sta. A7+430 to Sta. A7+900 | 3/19/2015 | 3/21/2015 | 3/22/2015 | 1 | C |
| | IR-13-00015-NHT-1094-A | Subgrade for road from Sta. E0+240 to Sta. E0+420 | 3/19/2015 | 3/21/2015 | 3/22/2015 | 1 | C |
| | IR-13-00015-NHT-1095-A | Final formwork and steel reinforcement for slab of Batti main connection chamber at Sta. A7+400 at LHS | 3/21/2015 | 3/21/2015 | 3/22/2015 | 1 | A |
| | IR-13-00015-NHT-1096-A | Cast concrete for slab of Battir main connection chamber at Sta. A7+400 at LHS | 3/21/2015 | 3/21/2015 | 3/22/2015 | 1 | A |
| | IR-13-00015-NHT-1097-A | Cast concrete for foundation of retaining wall from Sta. A7+205 to Sta. A7+215 at LHS | 3/21/2015 | 3/21/2015 | 3/22/2015 | 1 | A |
| | IR-13-00015-NHT-1098-A | Steel reinforcement and final formwork for stem of retaining wall from Sta. A7+205 to Sta. A7+215 at LHS | 3/22/2015 | 3/22/2015 | 3/22/2015 | 0 | A |
| | IR-13-00015-NHT-1099-A | Cast concrete for stem of retaining wall from Sta. A7+205 to Sta. A7+215 at LHS | 3/22/2015 | 3/22/2015 | 3/23/2015 | 1 | A |
| | IR-13-00015-NHT-1100-A | Spreading prim coating (MC) from Sta. E0+500 to Sta. E0+920 | 3/22/2015 | 3/22/2015 | 3/23/2015 | 1 | D |

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| | IR-13-00015-NHT-1101-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. E0+500 to Sta. E0+920 | 3/22/2015 | 3/22/2015 | 3/23/2015 | 1 | D |
| | IR-13-00015-NHT-1102-A | Spreading prime coating (MC) for road from Sta. A1+980 to Sta. A2+020 | 3/22/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1103-A | Spreading wearing asphalt (3/4 inch) layer from Sta. A1+980 to Sta. A2+020 | 3/22/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1104-A | Steel reinforcement for stem of retaining wall for Battir from Sta. 0+597 to Sta. 0+614 at LHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1105-A | Steel reinforcement for stem of retaining wall for Battir from Sta. 0+634 to Sta. 0+651.9 at LHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1106-A | Base course and compaction for side walk from Sta. E0+920 to Sta. E1+040 at LHS and RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1107-A | Steel reinforcement for side walk from Sta. E0+920 to Sta. E1+040 at LHS and RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1108-A | Cast concrete for side walk from Sta. E0+920 to Sta. E1+040 at LHS and RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1109-A | Steel reinforcement for foundation of the PRV manhole at Sta. A6+140 | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1110-A | Cast concrete for foundation of the PRV manhole at Sta. A6+140 | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1111-A | Pressure test for 2 inch pipeline and house connection at Battir from Sta. 0+040 to Sta. 0+270 | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1112-A | First base course layer for road widening From Sta. E1+250 to Sta. E1+367 at RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1113-A | Final base course layer for road widening from Sta. E1+180 to Sta. E1+367 at RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | C |
| | IR-13-00015-NHT-1114-A | Steel reinforcement and final formwork for stair from Sta. A7+745 to Sta. A7+752 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1115-A | Cast concrete for stair from Sta. A7+745 to Sta. A7+752 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1116-A | First base course layer for road widening from Sta. A3+320 to Sta. A3+420 at RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1117-A | Final base course layer for road widening from Sta. A3+320 to Sta. A3+420 at RHS | 3/23/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1118-A | Spreading prime coating (MC) for road widening from Sta. A3+320 to Sta. A3+420 at RHS | 3/24/2015 | 3/23/2015 | 3/24/2015 | 1 | A |
| | IR-13-00015-NHT-1119-A | Spreading binder asphalt (3/4 inch) layer for road widening from Sta. A3+320 to Sta. A3+420 at RHS | 3/24/2015 | 3/23/2015 | 3/24/2015 | 1 | A |

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| | IR-13-00015-NHT-1120-A | Final formwork for stem of retaining wall for Battir from Sta. 0+597 to Sta. 0+614 at LHS | 3/24/2015 | 3/25/2015 | 3/26/2015 | 1 | A |
| | IR-13-00015-NHT-1121-A | Cast concrete for stem of retaining wall for Battir From Sta. 0+597 to Sta. 0+614 at LHS | 3/24/2015 | 3/26/2015 | 3/26/2015 | 0 | A |
| | IR-13-00015-NHT-1122-A | Final formwork for stem of retaining wall for Battir From Sta. 0+634 to Sta. 0+651.9 at LHS. | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1123-A | Cast concrete for stem of retaining wall for Battir from Sta. 0+634 to Sta. 0+651.9 at LHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1124-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A6+448 to Sta. A6+451.7 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1125-A | Cast concrete for stem of boundary wall from Sta. A6+448 to Sta. A6+451.7 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1126-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A6+455.5 to Sta. A6+462 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1127-A | Cast concrete for stem of boundary wall from Sta. A6+455.5 to Sta. A6+462 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1128-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A6+468.6.5 to Sta. A6+475.95 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1129-A | Cast concrete for stem of boundary wall from Sta. A6+468.6.5 to Sta. A6+475.95 at RHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1130-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A6+471 to Sta. A6+479 at LHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1131-A | Cast concrete for stem of boundary wall from Sta. A6+471 to Sta. A6+479 at LHS | 3/24/2015 | 3/24/2015 | 3/25/2015 | 1 | A |
| | IR-13-00015-NHT-1132-A | Steel reinforcement for wall of the PRV manhole at Sta. A6+140 | 3/25/2015 | 3/25/2015 | 3/26/2015 | 1 | A |
| | IR-13-00015-NHT-1133-A | Final formwork for wall of the PRV manhole at Sta. A6+140 | 3/25/2015 | 3/25/2015 | 3/26/2015 | 1 | A |
| | IR-13-00015-NHT-1134-A | Location and traffic plan for Battir water network PRV manhole at Sta. 0+950 | 3/25/2015 | 3/25/2015 | 3/26/2015 | 1 | C |
| | IR-13-00015-NHT-1134-B | Location and traffic plan for Battir water network PRV manhole at Sta. 0+950 | 4/8/2015 | 4/8/2015 | 4/8/2015 | 0 | A |
| | IR-13-00015-NHT-1135-A | Cast concrete for wall of the PRV manhole at Sta. A6+140 | 3/25/2015 | 3/25/2015 | 3/26/2015 | 1 | A |
| | IR-13-00015-NHT-1136-A | Steel reinforcement and final formwork for foundation of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS | 3/26/2015 | 3/28/2015 | 3/29/2015 | 1 | A |
| | IR-13-00015-NHT-1137-A | Cast concrete for foundation of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS | 3/26/2015 | 3/28/2015 | 3/29/2015 | 1 | A |

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| | IR-13-00015-NHT-1138-A | Steel reinforcement for roof slab of the PRV manhole at Sta. A6+140 | 3/26/2015 | 3/26/2015 | 3/26/2015 | 0 | A |
| | IR-13-00015-NHT-1139-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A6+743 to Sta. A6+764 at RHS | 3/26/2015 | 3/28/2015 | 3/28/2015 | 0 | A |
| | IR-13-00015-NHT-1140-A | Cast concrete for stem of boundary wall from Sta. A6+743 to Sta. A6+764 at RHS | 3/26/2015 | 3/28/2015 | 3/28/2015 | 0 | A |
| | IR-13-00015-NHT-1141-A | Final formwork for roof slab of the PRV manhole at Sta. A6+140 | 3/26/2015 | 3/26/2015 | 3/26/2015 | 0 | A |
| | IR-13-00015-NHT-1142-A | Cast concrete for roof slab of the PRV manhole at Sta. A6+140 | 3/26/2015 | 3/26/2015 | 3/26/2015 | 0 | A |
| | IR-13-00015-NHT-1143-A | Steel reinforcement for foundation of the PRV Battir manhole at Sta. 0+950 | 3/29/2015 | 3/29/2015 | 3/30/2015 | 1 | A |
| | IR-13-00015-NHT-1144-A | Location for 50mm ARV of Battir at Sta. 0+1020 | 3/29/2015 | 3/29/2015 | 3/30/2015 | 1 | A |
| | IR-13-00015-NHT-1145-A | Location for 75mm W.O of Battir at Sta. 0+920 | 3/29/2015 | 3/29/2015 | 3/30/2015 | 1 | A |
| | IR-13-00015-NHT-1146-A | First base course layer for road from Sta. A0+080 to Sta. A0+120 | 3/29/2015 | 3/29/2015 | 3/30/2015 | 1 | A |
| | IR-13-00015-NHT-1147-A | Cast concrete for foundation of the PRV Battir manhole at Sta. 0+950 | 3/29/2015 | 3/29/2015 | 3/30/2015 | 1 | A |
| | IR-13-00015-NHT-1148-A | Location for Hussan connection chambers at Sta. A7+270 | 3/30/2015 | 4/1/2015 | 4/1/2015 | 0 | A |
| | IR-13-00015-NHT-1149-A | Pipe flanges (according attached MRR) at Storage Yard | 3/31/2015 | 3/31/2015 | 4/1/2015 | 1 | A |
| | IR-13-00015-NHT-1150-A | Subgrade layer for road from Sta. A7+300 to Sta. A7+460 | 3/31/2015 | 4/2/2015 | 4/2/2015 | 0 | A |
| | IR-13-00015-NHT-1151-A | Casting concrete for side walk from Sta. E0+500 to Sta. E0+900 | 3/31/2015 | 3/31/2015 | 4/1/2015 | 1 | A |
| | IR-13-00015-NHT-1152-A | Location of 3 inch G.V manhole at Sta. B0+180-Segment B | 3/31/2015 | 3/31/2015 | 4/1/2015 | 1 | A |
| | IR-13-00015-NHT-1153-A | Location of combination (3 inch G.V, 2 inch G.V) manhole at Sta. A5+990-Segment A | 3/31/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1154-A | Location of combination (2 inch G.V, 2 inch G.V) manhole at Sta. A5+815-Segment A | 3/31/2015 | 4/2/2015 | 4/2/2015 | 0 | A |
| | IR-13-00015-NHT-1155-A | Cast blinding concrete for one side shuttering wall from Sta. A7+651.68 to Sta. A7+755 at LHS | 3/31/2015 | 3/31/2015 | 4/1/2015 | 1 | A |
| | IR-13-00015-NHT-1156-A | Pressure test for 3 inch pipeline and house connection from Sta. A7+425 to Sta. A8+185 | 4/1/2015 | 4/1/2015 | 4/2/2015 | 1 | A |
| | IR-13-00015-NHT-1157-A | Steel reinforcement for wall of the PRV Battir manhole at Sta. 0+950. | 4/2/2015 | 4/2/2015 | 4/2/2015 | 0 | A |
| | IR-13-00015-NHT-1158-A | Final formwork and fixing of ventilation pipe for wall of the PRV Battir manhole at Sta. 0+950 | 4/2/2015 | 4/2/2015 | 4/2/2015 | 0 | A |
| | IR-13-00015-NHT-1159-A | Steel reinforcement and final formwork for stem of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS | 4/2/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1160-A | Cast concrete for stem of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS | 4/2/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1161-A | Cast concrete for wall of the PRV Battir manhole at Sta. 0+950 | 4/2/2015 | 4/2/2015 | 4/2/2015 | 0 | A |

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| | IR-13-00015-NHT-1162-A | Final formwork and steel reinforcement for roof slab of the PRV Battir manhole at Sta. 0+950 | 4/4/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1163-A | Cast concrete for roof slab of the PRV Battir manhole at Sta. 0+950 | 4/4/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1164-A | First base course layer for road from Sta. E+240 to Sta. E0+420 | 4/4/2015 | 4/4/2015 | 4/5/2015 | 1 | D |
| | IR-13-00015-NHT-1165-A | Topping layer of road from Sta. E0+420 to Sta. E0+500 | 4/4/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1166-A | Subgrade of road from Sta. A7+100 to Sta. A7+300 | 4/4/2015 | 4/4/2015 | 4/5/2015 | 1 | A |
| | IR-13-00015-NHT-1167-A | First base course layer for road from Sta. E0+420 to Sta. E0+500 | 4/5/2015 | 4/6/2015 | 4/7/2015 | 1 | A |
| | IR-13-00015-NHT-1168-A | Base course and compaction for side walks from Sta. E0+500 to Sta. E0+900 at RHS | 4/5/2015 | 4/5/2015 | 4/6/2015 | 1 | A |
| | IR-13-00015-NHT-1169-A | Steel reinforcement for side walks from Sta. E0+500 to Sta. E0+900 at RHS. | 4/5/2015 | 4/5/2015 | 4/6/2015 | 1 | A |
| | IR-13-00015-NHT-1170-A | Cast concrete for side walks from Sta. E0+500 to Sta. E0+900 at RHS | 4/6/2015 | 4/7/2015 | 4/7/2015 | 0 | A |
| | IR-13-00015-NHT-1171-A | Steel reinforcement and final formwork for one side shutter up to 60 cm from Sta. A7+651.68 to Sta. A7+706.68 at LHS | 4/6/2015 | 4/6/2015 | 4/7/2015 | 1 | A |
| | IR-13-00015-NHT-1172-A | Cast concrete for one side shutter up to 60 cm from Sta. A7+651.68 to Sta. A7+706.68 at LHS | 4/6/2015 | 4/6/2015 | 4/7/2015 | 1 | A |
| | IR-13-00015-NHT-1173-A | First base course layer for road from Sta. A6+240 to Sta. A6+340 | 4/6/2015 | 4/8/2015 | 4/8/2015 | 0 | D |
| | IR-13-00015-NHT-1174-A | Steel reinforcement and final formwork for one side shutter up to 120 cm from Sta. A7+651.68 to Sta. A7+706.68 at LHS | 4/7/2015 | 4/7/2015 | 4/7/2015 | 0 | A |
| | IR-13-00015-NHT-1175-A | Cast concrete for one side shutter up to 120 cm from Sta. A7+651.68 to Sta. A7+706.68 at LHS | 4/7/2015 | 4/7/2015 | 4/7/2015 | 0 | A |
| | IR-13-00015-NHT-1176-A | Steel reinforcement for foundation of Hussan connection chambers at Sta. A7+270 | 4/8/2015 | 4/8/2015 | 4/9/2015 | 1 | A |
| | IR-13-00015-NHT-1177-A | Steel reinforcement and final formwork for one side shutter up to 180 cm from Sta. A7+651.68 to Sta. A7+671.68 at LHS | 4/8/2015 | 4/8/2015 | 4/9/2015 | 1 | A |
| | IR-13-00015-NHT-1178-A | Cast concrete for one side shutter up to 180 cm from Sta. A7+651.68 to Sta. A7+671.68 at LHS | 4/8/2015 | 4/8/2015 | 4/9/2015 | 1 | A |
| | IR-13-00015-NHT-1179-A | Cast concrete for foundation of Hussan connection chambers at Sta. A7+270 | 4/9/2015 | 4/9/2015 | 4/9/2015 | 0 | A |
| | IR-13-00015-NHT-1180-A | First base course layer for road from Sta. A7+100 to Sta. A7+460 | 4/14/2015 | 4/14/2015 | 4/14/2015 | 0 | C |
| | IR-13-00015-NHT-1181-A | Flanges and pipes alignment for 4 inch ARV at Sta. E0+350 | 04/14/15 | 04/16/15 | 4/16/2015 | 0 | A |
| | IR-13-00015-NHT-1182-A | Flanges and pipes alignment for combined (4 inch GV, 2 inch GV) at Sta. E0+500 | 04/14/15 | 04/16/15 | 4/16/2015 | 0 | C |
| | IR-13-00015-NHT-1182-B | Flanges and pipes alignment for combined (4 inch GV, 2 inch GV) at Sta. E0+500 | 4/27/2015 | 4/27/2015 | 4/27/2015 | | C |

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| | IR-13-00015-NHT-1183-A | Flanges and pipes alignment for the following chamber: 3 inch GV at Sta. E0+200 and 2 inch washout at Sta. E0+590 | 4/14/2015 | 04/15/15 | 04/15/15 | 0 | C |
| | IR-13-00015-NHT-1184-A | Safety measurement prior the mechanical works for 4inch G.V at Sta. B0+540 | 04/15/15 | 04/15/15 | 04/15/15 | 0 | A |
| | IR-13-00015-NHT-1185-A | Safety measurement prior the mechanical works for 3inch G.V at Sta. B0+180 | 04/15/15 | 04/15/15 | 04/15/15 | 0 | A |
| | IR-13-00015-NHT-1186-A | Location for Nahaleen connection chamber at Sta. E0+465 at RHS | 04/15/15 | 04/18/15 | 04/18/15 | 0 | A |
| | IR-13-00015-NHT-1187-A | Location and length for house connection from Sta. A7+100 to Sta. A8+195 | 04/16/15 | 04/18/15 | 4/19/2015 | 1 | C |
| | IR-13-00015-NHT-1188-A | Steel reinforcement for wall of Hussan connection chambers at Sta. A7+270 | 04/20/15 | 04/20/15 | 4/21/2015 | 1 | A |
| | IR-13-00015-NHT-1189-A | Flanges and pipes alignment for combined (4 inch GV, 2 inch GV) at Sta. C0+320 | 4/16/2015 | 4/16/2015 | 4/16/2015 | 0 | C |
| | IR-13-00015-NHT-1189-B | Flanges and pipes alignment for combined (4 inch GV, 2 inch GV) at Sta. C0+320 | 4/27/2015 | 4/27/2015 | 4/27/2015 | 0 | C |
| | IR-13-00015-NHT-1190-A | Safety measurement prior the mechanical works for combined (3inch+3inch) G.V at Sta. A2+265 | 04/20/15 | 04/20/15 | 4/20/2015 | 0 | A |
| | IR-13-00015-NHT-1191-A | Excavation, installation, isolation and final backfill for 2 inch G.V at Sta. E0+340 | 4/27/2015 | 4/27/2015 | 4/28/2015 | 1 | C |
| | IR-13-00015-NHT-1192-A | Steel reinforcement and final formwork for foundation of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS | 4/18/2015 | 4/18/2015 | 4/18/2015 | 0 | C |
| | IR-13-00015-NHT-1193-A | Cast concrete for foundation of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS | 4/18/2015 | 4/18/2015 | 4/18/2015 | 0 | C |
| | IR-13-00015-NHT-1194-A | Steel reinforcement and final formwork for foundation of concrete wall from Sta. A7+510 to Sta. A7+530 at LHS | 4/18/2015 | 4/18/2015 | 4/18/2015 | 0 | C |
| | IR-13-00015-NHT-1195-A | Cast concrete for foundation of concrete wall from Sta. A7+510 to Sta. A7+530 at LHS | 4/18/2015 | 4/18/2015 | 4/18/2015 | 0 | C |
| | IR-13-00015-NHT-1196-A | Steel reinforcement and final formwork for concrete support over the level of 12 inch exposed pipe line at Segment D from S74, S73, S72, S71, S70, S69, S68, S67, S66 and S64 | 4/19/2015 | 4/19/2015 | 4/19/2015 | 0 | C |
| | IR-13-00015-NHT-1197-A | Cast concrete for concrete support over the level of 12 inch exposed pipe line at Segment D from S74, S73, S72, S71, S70, S69, S68, S67, S66 and S64 | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | C |

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| | IR-13-00015-NHT-1198-A | Steel reinforcement for foundation of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | A |
| | IR-13-00015-NHT-1199-A | Steel reinforcement and final formwork for one side shutter up to 180 cm from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/19/2015 | 4/19/2015 | 4/19/2015 | 0 | C |
| | IR-13-00015-NHT-1200-A | Cast concrete for one side shutter up to 180 cm from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | C |
| | IR-13-00015-NHT-1201-A | Steel reinforcement and final formwork for one side shutter up to 180 cm from Sta. A7+686.98 to Sta. A7+706.38 at LHS | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | C |
| | IR-13-00015-NHT-1202-A | Cast concrete for one side shutter up to 180 cm from Sta. A7+686.98 to Sta. A7+706.38 at LHS | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | C |
| | IR-13-00015-NHT-1203-A | Cast concrete for foundation of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | A |
| | IR-13-00015-NHT-1204-A | Start excavation, installation and backfill for precast combined (2 inch GV and 2 inch G.V ) at Sta. A5+815 | 4/28/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1205-A | Flanges and pipes alignment for 2 inch ARV at Sta. E1+020 | 4/19/2015 | 4/22/2015 | 4/22/2015 | 0 | C |
| | IR-13-00015-NHT-1206-A | Location and length for house connection from Sta. E0+240 to Sta. E0+500 | 4/19/2015 | 4/19/2015 | 4/20/2015 | 1 | C |
| | IR-13-00015-NHT-1207-A | Continue installation of 600mm concrete storm water pipe line from manhole (7) at Sta. A5+828.78 to manhole (6) at Sta. A5+868.05 | 4/20/2015 | 4/19/2015 | 4/20/2015 | 1 | A |
| | IR-13-00015-NHT-1208-A | Continue installation of 600mm concrete storm water pipe line from manhole (6) at Sta. A5+868.05 to manhole (5) at Sta. A5+910.92 | 4/20/2015 | 4/19/2015 | 4/20/2015 | 1 | A |
| | IR-13-00015-NHT-1209-A | Continue installation of 600mm concrete storm water pipe line from manhole (5) at Sta. A5+910.92 to manhole (4) at Sta. A5+950.2 | 4/20/2015 | 4/20/2015 | 4/21/2015 | 1 | A |
| | IR-13-00015-NHT-1210-A | Final formwork for walls of Hussan connection chamber at Sta. A7+270 | 4/20/2015 | 4/21/2015 | 4/22/2015 | 1 | A |
| | IR-13-00015-NHT-1211-A | Second base course layer of road from Sta. A0+080 to Sta. A0+120 | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | A |
| | IR-13-00015-NHT-1212-A | Second base course layer of road from Sta. E0+240 to Sta. E0+500 | 4/21/2015 | 4/22/2015 | 4/22/2015 | 0 | C |
| | IR-13-00015-NHT-1213-A | Steel reinforcement and final formwork for one side shutter up to 240 cm from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | C |
| | IR-13-00015-NHT-1214-A | Cast concrete for one side shutter up to 240 cm from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | C |
| | IR-13-00015-NHT-1215-A | Steel reinforcement and final formwork for concrete support over the level of 12 inch exposed pipe line at Segment D from S75, S63, S62, S61, S60, S59, S58, S57, S56 and S55. | 4/22/2015 | 4/22/2015 | 4/22/2015 | 0 | C |
| | IR-13-00015-NHT-1216-A | Cast concrete for concrete support over the level of 12 inch exposed pipe line at Segment D from S75, S63, S62, S61, S60, S59, S58, S57, S56 and S55 | 4/22/2015 | 4/22/2015 | 4/22/2015 | 0 | C |

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

| SUBMITTAL | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | Submitted on (M/D/Y) | Date Inspection Required | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | IR-13-00015-NHT-1217-A | Steel reinforcement for stem of concrete wall from Sta. A7+510 to Sta. A7+530 at LHS | 4/22/2015 | 4/22/2015 | 4/22/2015 | 0 | A |
| | IR-13-00015-NHT-1218-A | Steel reinforcement and final formwork for one side shutter up to 240 cm from Sta. A7+665.78 to Sta. A7+786.78 at LHS | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | C |
| | IR-13-00015-NHT-1219-A | Cast concrete for one side shutter up to 240 cm from Sta. A7+665.78 to Sta. A7+786.78 at LHS | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | C |
| | IR-13-00015-NHT-1220-A | Cast concrete for wall of Hussan connection chambers at Sta. A7+270 | 4/21/2015 | 4/21/2015 | 4/22/2015 | 1 | A |
| | IR-13-00015-NHT-1221-A | Cast concrete for stem of concrete wall from Sta. A7+510 to Sta. A7+530 at LHS | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1222-A | Steel reinforcement and final formwork for roof slab of Hussan connection chambers at Sta. A7+270 | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1223-A | Cast concrete for roof slab of Hussan connection chambers at Sta. A7+270 | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1224-A | Steel reinforcement and final formwork for concrete support over the level of 12 inch exposed pipe line at Segment D from S54, S53, S52, S51, S50, S49, S48, S47, S46 and S45 | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | C |
| | IR-13-00015-NHT-1225-A | Cast concrete for concrete support over the level of 12 inch exposed pipe line at Segment D from S54, S53, S52, S51, S50, S49, S48, S47, S46 and S45 | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | C |
| | IR-13-00015-NHT-1226-A | Continue installation of 600mm concrete storm water pipe line from manhole (4) at Sta. A5+950.2 to manhole (3) at Sta. A5+990.21 | 4/26/2015 | 4/26/2015 | 4/27/2015 | 1 | A |
| | IR-13-00015-NHT-1227-A | Steel reinforcement and final formwork for one side shutter up to 110 cm from Sta. A7+752 to Sta. A7+785 at RHS | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1228-A | Cast concrete for one side shutter up to 110 cm from Sta. A7+752 to Sta. A7+785 at RHS | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1229-A | Radiographic test for testing of welding joint in Segment D from Sta. D0+000 to Sta. D0+500 | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1230-A | Subgrade for detour at Sta. A1+350 at RHS | 4/26/2015 | 4/26/2015 | 4/26/2015 | 0 | A |
| | IR-13-00015-NHT-1231-A | Steel reinforcement and final formwork for one side shutter up to 170 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/27/2015 | 4/27/2015 | 4/27/2015 | 0 | A |
| | IR-13-00015-NHT-1232-A | Cast concrete for one side shutter up to 170 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/27/2015 | 4/27/2015 | 4/28/2015 | 1 | A |
| | IR-13-00015-NHT-1233-A | Steel reinforcement for stem of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS | 4/27/2015 | 4/27/2015 | 4/27/2015 | 0 | A |
| | IR-13-00015-NHT-1234-A | Flanges and pipes alignment for combined (3 inch GV and 2 inch ARV) at Sta. E0+350 | 4/27/2015 | 4/27/2015 | 4/27/2015 | 0 | A |

**USAID WEST BANK/ GAZA**
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| Spec. No. | Submittal No | Description | Submitted on (M/D/Y) | Date Inspection Required | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | IR-13-00015-NHT-1235-A | Final formwork for stem of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS | 4/27/2015 | 4/28/2015 | 4/28/2015 | 0 | A |
| | IR-13-00015-NHT-1236-A | Cast concrete for stem of retaining wall from Sta. B0+750 to Sta. B0+772 at RHS | 4/27/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1237-A | Steel reinforcement and final formwork for one side shutter up to 230 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/28/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1238-A | Cast concrete for one side shutter up to 230 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/28/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1239-A | Safety measurement prior the mechanical works of 8 inch ARV at Sta. A7+045 | 4/28/2015 | 4/28/2015 | 4/28/2015 | 0 | A |
| | IR-13-00015-NHT-1240-A | Safety measurement prior the mechanical works of 6 inch ARV at Sta. A7+060 | 4/28/2015 | 4/28/2015 | 4/28/2015 | 0 | A |
| | IR-13-00015-NHT-1241-A | Steel reinforcement and final formwork for concrete support over the level of 12 inch exposed pipe line at Segment D from S44, S43, S42, S41, S40, S39, S38, S37, S36, S35 and S34 | 4/28/2015 | 4/28/2015 | 4/29/2015 | 1 | C |
| | IR-13-00015-NHT-1242-A | Cast concrete for concrete support over the level of 12 inch exposed pipe line at Segment D from S44, S43, S42, S41, S40, S39, S38, S37, S36, S35 and S34 | 4/28/2015 | 4/29/2015 | 4/29/2015 | 0 | C |
| | IR-13-00015-NHT-1243-A | Steel reinforcement for stem of concrete wall from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/28/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1244-A | Steel reinforcement for concrete wall up to 360 high from Sta. A7+686.98 to Sta. A7+706.38 at LHS | 4/29/2015 | 4/28/2015 | 4/29/2015 | 1 | A |
| | IR-13-00015-NHT-1245-A | Continue installation of 600mm concrete storm water pipe line from manhole (3) at Sta. A5+990.21to manhole (2) at Sta. A6+016 | 4/29/2015 | 4/29/2015 | 4/29/2015 | 0 | A |
| | IR-13-00015-NHT-1246-A | Location of precast manhole at Sta. A7+270 | 4/29/2015 | 4/29/2015 | 4/29/2015 | 0 | A |
| | IR-13-00015-NHT-1247-A | Final formwork for stem of concrete wall up to 360 cm high from Sta. A7+686.98 to Sta. A7+706.38 at LHS | 4/29/2015 | 4/29/2015 | 4/30/2015 | 1 | A |
| | IR-13-00015-NHT-1248-A | Cast concrete for stem of concrete wall up to 360 cm high from Sta. A7+686.98 to Sta. A7+706.38 at LHS | 4/29/2015 | 4/29/2015 | 4/30/2015 | 1 | A |
| | IR-13-00015-NHT-1249-A | Steel reinforcement for foundation of boundary wall from Sta. A7+455 to Sta. A7+470 at LHS | 4/29/2015 | 4/29/2015 | 4/29/2015 | 0 | C |
| | IR-13-00015-NHT-1250-A | Cast concrete for foundation of boundary wall from Sta. A7+455 to Sta. A7+470 at LHS | 4/29/2015 | 4/29/2015 | 4/30/2015 | 1 | A |
| | IR-13-00015-NHT-1251-A | Steel reinforcement for stem of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS | 4/29/2015 | 4/29/2015 | 4/30/2015 | 1 | A |

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| | IR-13-00015-NHT-1252-A | Steel reinforcement and final formwork for one side shutter up to 290 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1253-A | Cast concrete for one side shutter up to 290 cm high from Sta. A7+752 to Sta. A7+785 at RHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1254-A | Final formwork for stem of boundary wall up to 360 cm high from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1255-A | Cast concrete for stem of boundary wall up to 360 cm high from Sta. A7+651.68 to Sta. A7+665.78 at LHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1256-A | Final formwork for stem of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1257-A | Cast concrete for stem of concrete wall from Sta. A7+675 to Sta. A7+690 at RHS | 4/29/2015 | 5/2/2015 | 5/3/2015 | 1 | A |
| | IR-13-00015-NHT-1258-A | Final finish for base course layer from Sta. A0+080 to Sta. A0+120 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1259-A | Final finish for base course layer from Sta. E0+260 to Sta. E0+500 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | C |
| | IR-13-00015-NHT-1260-A | Spreading prim coating (MC) from Sta. E0+260 to Sta. E0+500 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1261-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. E0+260 to Sta. E0+500 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | C |
| | IR-13-00015-NHT-1262-A | Spreading prim coating (MC) from Sta. A0+080 to Sta. A0+120 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1263-A | Spreading wearing asphalt (3/4 inch) layer for road from Sta. A0+080 to Sta. A0+120 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1264-A | Second base course layer of road from Sta. A7+100 to Sta. A8+200 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1265-A | Final finish base course layer of road from Sta. A7+100 to Sta. A8+200 | 4/29/2015 | 4/30/2015 | 4/30/2015 | 0 | A |
| | IR-13-00015-NHT-1266-A | Spreading prim coating (MC) from Sta. A7+100 to Sta. A7+400 | 4/29/2015 | 5/2/2015 | | PE | |
| | IR-13-00015-NHT-1267-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. A7+100 to Sta. A7+400 | 4/29/2015 | 5/2/2015 | | PE | |
| | IR-13-00015-NHT-1268-A | Spreading prim coating (MC) from Sta. A7+400 to Sta. A7+850 | 4/29/2015 | 5/3/2015 | | PE | |
| | IR-13-00015-NHT-1269-A | Spreading binder asphalt (3/4 inch) layer for road from Sta. A7+400 to Sta. A7+850 | 4/29/2015 | 5/3/2015 | | PE | |
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DV = Division A= No Exceptions Noted B = Make Corrections Noted C = Amend-Resubmit D= Rejected-Resubmit E= Review Not Required

# F | Submittals Log for the Reporting Period

**USAID WEST BANK/ GAZA**
**INFRASTRUCTURE NEEDS PROGRAM INPII**
**CONTRACT NO. AID-294-I-00-12-00005**
**TASK ORDER #15, NAHALEEN WATER PIPELINE**
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| | SUB-13-00015-NHT-001-A | Schedule for Pre Construction Submittals & Mobilization | NHT | P | 11/10/13 | 12/10/13 | 11/20/13 | 10 | E |
| | SUB-13-00015-NHT-002-A | Bank Guarantee | NHT | P | 11/10/13 | 12/10/13 | 11/19/13 | 9 | E |
| | SUB-13-00015-NHT-003-A | CMC field office location and layout-Primary Office Husan | NHT | P | 11/13/13 | 12/13/13 | 11/21/13 | 8 | C |
| | SUB-13-00015-NHT-003-B | CMC field office location and layout-Primary Office Husan | NHT | P | 11/27/13 | 12/27/13 | 12/01/13 | 4 | B |
| | SUB-13-00015-NHT-004-A | Field Office Furniture and Equipment Plan | NHT | P | 11/13/13 | 12/13/13 | 11/24/13 | 11 | B |
| | SUB-13-00015-NHT-005-A | Scheduling Qualification Submittal | NHT | P | 11/17/13 | 12/17/13 | 11/20/13 | 3 | A |
| | SUB-13-00015-NHT-006-A | 60-Day Plan of Operation | NHT | P | 11/17/13 | 12/17/13 | 12/01/13 | 14 | B |
| | SUB-13-00015-NHT-007-A | Project Overview Bar Chart and Master Plan | NHT | P | 11/17/13 | 12/17/13 | 12/01/13 | 14 | B |
| | SUB-13-00015-NHT-008-A | Submittal Schedule | NHT | P | 11/17/13 | 12/17/13 | 12/02/13 | 15 | C |
| | SUB-13-00015-NHT-008-B | Submittal Schedule | NHT | P | 12/29/13 | 01/28/14 | 01/07/14 | 9 | B |
| | SUB-13-00015-NHT-009-A | Safety Plan | NHT | P | 11/19/13 | 12/19/13 | 12/01/13 | 12 | C |
| | SUB-13-00015-NHT-009-B | Safety Plan | NHT | P | 12/27/13 | 01/26/14 | 01/09/14 | 13 | B |
| | SUB-13-00015-NHT-010-A | Testing Labs | NHT | P | 11/20/13 | 12/20/13 | 11/24/13 | 4 | B |
| | SUB-13-00015-NHT-011-A | Contractors all Risk, General Liability Insurance & Workers Compensation Insurance | NHT | P | 11/24/13 | 12/24/13 | 11/25/13 | 1 | E |
| | SUB-13-00015-NHT-012-A | Coordination with Local Authorities Plan and Lists of Permits and Licenses | NHT | P | 11/26/13 | 12/26/13 | 12/01/13 | 5 | C |
| | SUB-13-00015-NHT-012-B | Coordination with Local Authorities Plan and Lists of Permits and Licenses | NHT | P | 12/02/13 | 01/01/14 | 12/03/13 | 1 | B |
| | SUB-13-00015-NHT-013-A | Prime Coat Emulsion -Pazkar Ltd.-item No. 3.01 | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | B |
| | SUB-13-00015-NHT-014-A | Tack Coat Emulsion -Pazkar Ltd.-item No. 3.02 | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | B |
| | SUB-13-00015-NHT-015-A | Asphalt Mix Design -Wearing Asphalt 3/4 inch-Al Tarifi Asphalt Plant -item No.3.03 | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | B |
| | SUB-13-00015-NHT-016-A | Asphalt Mix Design -Binder Asphalt 1 inch-Al Tarifi Asphalt Plant -item No.3.05 | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | C |
| | SUB-13-00015-NHT-016-B | Asphalt Mix Design -Binder Asphalt 1 inch-Al Tarifi Asphalt Plant -item No.3.05 | NHT | M | 02/02/14 | 03/04/14 | 02/04/14 | 2 | B |
| | SUB-13-00015-NHT-017-A | Cat Eyes-Iriflix Ltd.-item No.5.03.b & c | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | B |
| | SUB-13-00015-NHT-018-A | High Performance Thermoplastic Road Markings- Prismo Road Markings Ltd. T/A Ennis-item No. 5.03-a | NHT | M | 11/28/13 | 12/28/13 | 12/09/13 | 11 | B |
| | SUB-13-00015-NHT-019-A | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-AVROT Industries Ltd.-item No. 2.1 | NHT | M | 11/28/13 | 12/28/13 | 12/03/13 | 5 | C |
| | SUB-13-00015-NHT-019-B | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-AVROT Industries Ltd.-item No. 2.1 | NHT | M | 01/21/14 | 02/20/14 | 01/22/14 | 1 | E |
| | SUB-13-00015-NHT-020-A | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-Borursan Mannesmann Co.-item No. 2.1 | NHT | M | 11/28/13 | 12/28/13 | 12/03/13 | 5 | C |
| | SUB-13-00015-NHT-020-B | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm and 50 mm pipes-Borursan Mannesmann Co.-item No. 2.1 | NHT | M | 01/20/14 | 02/19/14 | 01/22/14 | 2 | E |
| | SUB-13-00015-NHT-021-A | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm ,75 mm and 50 mm pipes-Middle East Tube Company Ltd.-item No. 2.1 | NHT | M | 11/28/13 | 12/28/13 | 12/03/13 | 5 | C |
| | SUB-13-00015-NHT-021-B | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm and 100 mm pipes-Middle East Tube Company Ltd.-item No. 2.1 | NHT | M | 12/25/13 | 01/24/14 | 01/05/14 | 11 | B |
| | SUB-13-00015-NHT-022-A | Steel Pipe & Fittings-300 mm,250 mm, 200 mm, 150mm ,100 mm ,75 mm and 50 mm pipes-Future Iron Pipes (FIP)-item No. 2.1 | NHT | M | 11/28/13 | 12/28/13 | 12/03/13 | 5 | C |

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

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

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

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

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| | SUB-13-00015-NHT-113-A | 8-12 inch Procedure Qualification Record (PQR) | NHT | P | 03/05/14 | 04/04/14 | 03/09/14 | 4 | C |
| | SUB-13-00015-NHT-113-B | 8-12 inch Procedure Qualification Record (PQR) | NHT | P | 03/12/14 | 04/11/14 | 03/12/14 | 0 | E |
| | SUB-13-00015-NHT-114-A | Drainage manhole –PCP item 4.03.1 | NHT | M | 03/09/14 | 04/08/14 | 03/12/14 | 3 | B |
| | SUB-13-00015-NHT-114-B | Drainage manhole –PCP item 4.03.1 | NHT | M | 08/10/14 | 09/09/14 | 08/13/14 | 3 | B |
| | SUB-13-00015-NHT-115-A | Combination Air Release Valves PN 16 -Val-Matic | NHT | M | 03/09/14 | 04/08/14 | 03/20/14 | 11 | C |
| | SUB-13-00015-NHT-115-B | Combination Air Release Valves PN 16 -Val-Matic | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-116-A | Combination Air Release Valves PN 25 -Val-Matic | NHT | M | 03/09/14 | 04/08/14 | 03/20/14 | 11 | C |
| | SUB-13-00015-NHT-116-B | Combination Air Release Valves PN 25 -Val-Matic | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-117-A | Combination Air Release Valves PN 40 -Val-Matic | NHT | M | 03/09/14 | 04/08/14 | 03/18/14 | 9 | C |
| | SUB-13-00015-NHT-117-B | Combination Air Release Valves PN 40 -Val-Matic | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-118-A | Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN50 | NHT | M | 03/09/14 | 04/08/14 | 03/17/14 | 8 | C |
| | SUB-13-00015-NHT-118-B | Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN50 | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-119-A | Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN80 | NHT | M | 03/09/14 | 04/08/14 | 03/18/14 | 9 | C |
| | SUB-13-00015-NHT-119-B | Surge Check Combination Air Release Valves -Val-Matic-PN 25 -DN80 | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-120-A | Surge Check Combination Air Release Valves -Val-Matic-PN 40 -DN100 | NHT | M | 03/09/14 | 04/08/14 | 03/18/14 | 9 | C |
| | SUB-13-00015-NHT-120-B | Surge Check Combination Air Release Valves -Val-Matic-PN 40 -DN100 | NHT | M | 04/30/14 | 05/30/14 | 05/04/14 | 4 | E |
| | SUB-13-00015-NHT-121-A | Cost breakdown for lump sum items | NHT | P | 3/9/2014 | 04/08/14 | 03/31/14 | 22 | C |
| | SUB-13-00015-NHT-122-A | Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405 | NHT | M | 03/13/14 | 04/12/14 | 03/20/14 | 7 | C |
| | SUB-13-00015-NHT-122-B | Finish paint for exposed pipes/fittings and pipes/fittings inside chambers_ FOSROC_Nitocote EP405 | NHT | M | 03/24/14 | 04/23/14 | 03/27/14 | 3 | B |
| | SUB-13-00015-NHT-123-A | Manufacturer "Bermad" sizing of Nahaleen Pressure Reducing Valve –As per CMC comments on Submittal No.: SUB-13-00015-NHT-081-A | NHT | M | 03/13/14 | 04/12/14 | 03/27/14 | 14 | B |
| | SUB-13-00015-NHT-124-A | Radiographic Testing (RT) Method Statement | NHT | P | 03/16/14 | 04/15/14 | 03/20/14 | 4 | B |
| | SUB-13-00015-NHT-125-A | Fasteners- TorqBolt | NHT | M | 09/09/14 | 10/09/14 | 09/15/14 | | B |
| | SUB-13-00015-NHT-126-A | Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot | NHT | M | 03/16/14 | 04/15/14 | 03/20/14 | 4 | C |
| | SUB-13-00015-NHT-126-B | Steel ASTM A 53-Gr B , ERW Welded Pipes- Toscelik /Tzinorot | NHT | M | 04/03/14 | 05/03/14 | 04/08/14 | 5 | B |
| | SUB-13-00015-NHT-127-A | Stockpile area for excavated material | NHT | P | 03/17/14 | 04/16/14 | 03/27/14 | 10 | B |
| | SUB-13-00015-NHT-128-A | Galvanized steel pipes_Pecker | NHT | M | 03/19/14 | 04/18/14 | 03/24/14 | 5 | B |
| | SUB-13-00015-NHT-129-A | Concrete trial mix and modified mix design for Al-Abed concrete ready mix plant | NHT | M | 03/19/14 | 04/18/14 | 03/25/14 | 6 | B |
| | SUB-13-00015-NHT-130-A | Concrete trial mix and modified mix design for Al-Etihad concrete ready mix plant | NHT | M | 03/19/14 | 04/18/14 | 03/25/14 | 6 | B |
| | SUB-13-00015-NHT-131-A | Strainer- ARI- OF-20- PN 16-BOQ items No. 4.7.2 & 4.7.3 | NHT | M | 03/22/14 | 04/21/14 | 03/24/14 | 2 | B |
| | SUB-13-00015-NHT-132-A | Traffic Control Plan - Phase 1B- (Road and water main construction) Segment A from St. 0+000 to St. 1+450 (Amendment for SUB-13-00015-NHT-094-A) | NHT | P | 03/23/14 | 04/22/14 | 03/25/14 | 2 | B |
| | SUB-13-00015-NHT-133-A | Bolts, Nuts& washers-Factor- for Mechanical Chambers | NHT | M | 03/24/14 | 04/23/14 | 03/27/14 | 3 | C |
| | SUB-13-00015-NHT-133-B | Bolts, Nuts& washers-Factor- for Mechanical Chambers | NHT | M | 03/31/14 | 04/30/14 | 04/08/14 | 8 | C |
| | SUB-13-00015-NHT-133-C | Bolts, Nuts& washers-Factor- for Mechanical Chambers | NHT | M | 04/30/14 | 05/30/14 | 05/05/14 | 5 | B |
| | SUB-13-00015-NHT-134-A | Shop Drawing: Water : Plan, Profile and Typical Section from Sta.3+350 to Sta.3+850 - Segment A | NHT | S | 03/24/14 | 04/23/14 | 04/01/14 | 8 | B |

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| SUBMITTAL | | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | Project | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | SUB-13-00015-NHT-135-A | Shop Drawing: Retaining Wall from Sta.0+640 to Sta.0+770 LHS | NHT | S | 03/26/14 | 04/25/14 | 04/14/14 | 19 | E |
| | SUB-13-00015-NHT-136-A | Welders Performance Qualification Certificates | NHT | P | 03/29/14 | 04/28/14 | 03/31/14 | 2 | B |
| | SUB-13-00015-NHT-137-A | Concrete curing compound material | NHT | M | 04/01/14 | 05/01/14 | 04/06/14 | 5 | B |
| | SUB-13-00015-NHT-138-A | Shop Drawings: Plan ,Profile and Cross Section from Sta.0+000 to Sta.0+980 -Segment B | NHT | S | 04/06/14 | 05/06/14 | 04/27/14 | 21 | B |
| | SUB-13-00015-NHT-138-B | Shop Drawings: Plan ,Profile and Cross Section from Sta.0+000 to Sta.0+980 -Segment B - As per Site Memo No. : SM-13-00015-NHT-E-C-004 | NHT | S | 05/11/14 | 06/10/14 | 05/26/14 | 15 | B |
| | SUB-13-00015-NHT-139-A | Updated Construction Schedule and S-curve -March 2014 | NHT | SCH | 04/07/14 | 05/07/14 | 04/21/14 | 14 | B |
| | SUB-13-00015-NHT-140-A | Shop Drawings: Concrete Basement Wall | NHT | S | 04/08/14 | 05/08/14 | 04/16/14 | 8 | B |
| | SUB-13-00015-NHT-141-A | 10 inch Pipes Mitered Bends Schedule and fabrication from St. 3+350 to St. 5+700 | NHT | S | 04/10/14 | 05/10/14 | 04/28/14 | 18 | B |
| | SUB-13-00015-NHT-142-A | Shop Drawing: Retaining Wall from Sta.0+790 to Sta.0+835 LHS | NHT | S | 04/13/14 | 05/13/14 | 04/22/14 | 9 | E |
| | SUB-13-00015-NHT-143-A | Shop Drawing: Boundary/Retaining Walls From Sta.B0+471 To B0+493.6 LHS &From Sta.B0+506.35 To B0+522 LHS & From Sta.B0+523 To B0+529 RHS | NHT | S | 04/22/14 | 05/22/14 | 04/24/14 | 2 | B |
| | SUB-13-00015-NHT-144-A | Shop Drawing: Boundary/Retaining Walls From Sta.B0+436 To B0+467 RHS | NHT | S | 04/22/14 | 05/22/14 | 04/29/14 | 7 | B |
| | SUB-13-00015-NHT-145-A | Electro-Magnetic water meter-Siemens-BOQ items No. 5.4.1,5.4.2 ,5.7.1,5.7.2 and 5.7.3 | NHT | M | 04/22/14 | 05/22/14 | 05/07/14 | 15 | C |
| | SUB-13-00015-NHT-145-B | Electro-Magnetic water meter-Siemens-BOQ items No. 5.4.1,5.4.2 ,5.7.1,5.7.2 and 5.7.3 | NHT | M | 06/09/14 | 07/09/14 | 06/10/14 | 1 | B |
| | SUB-13-00015-NHT-146-A | Shop Drawings: Water : Plan ,Profile and Typical Section from Sta.0+100 to Sta.1+400 - Segment A | NHT | S | 04/24/14 | 05/24/14 | 05/05/14 | 11 | C |
| | SUB-13-00015-NHT-146-B | Shop Drawings: Water : Plan ,Profile and Typical Section from Sta.0+100 to Sta.1+400 - Segment A | NHT | S | 05/14/14 | 06/13/14 | 05/20/14 | 6 | B |
| | SUB-13-00015-NHT-147-A | Shop Drawings: Stone Walls –Segment B | NHT | S | 04/24/14 | 05/24/14 | 04/29/14 | 5 | B |
| | SUB-13-00015-NHT-148-A | Shop Drawings: One Side Shutter Wall from Sta.0+480 to Sta.0+574 LHS ,from Sta.0+614 to Sta.0+790 LHS and from Sta.0+827 to Sta.0+930 LHS ,and Gravity Wall from Sta.0+790 to Sta.0+827 LHS | NHT | S | 04/27/14 | 05/27/14 | 05/04/14 | 7 | B |
| | SUB-13-00015-NHT-149-A | Pipe Expansion Joint | NHT | M | 04/27/14 | 05/27/14 | 05/19/14 | 22 | B |
| | SUB-13-00015-NHT-150-A | Shop Drawings: Box Culvert at Sta.0+951.6 ,Retaining Wall from Sta.0+930 to Sta.0+980 RHS and Retaining Wall from Sta.0+930 to Sta.0+980 LHS | NHT | S | 04/28/14 | 05/28/14 | 05/14/14 | 16 | B |
| | SUB-13-00015-NHT-150-B | Shop Drawings: Box Culvert at Sta.0+951.6 ,Retaining Wall from Sta.0+930 to Sta.0+980 RHS and Retaining Wall from Sta.0+930 to Sta.0+980 LHS -For Engineering Record | NHT | S | 06/09/14 | 07/09/14 | 06/24/14 | 15 | B |
| | SUB-13-00015-NHT-150-C | Shop Drawings: Box Culvert at Sta.0+951.6 ,Retaining Wall from Sta.0+885.770 to Sta.0+967 LHS and Retaining Wall from Sta.0+930 to Sta.0+968.5 RHS -For Engineering Record (2) | NHT | S | 09/03/14 | 10/03/14 | 09/24/14 | 21 | B |
| | SUB-13-00015-NHT-151-A | Shop Drawings: Box Culvert at Sta.0+590.5 ,Retaining Wall from Sta.0+570 to Sta.0+595 RHS and Retaining Wall from Sta.0+574.1 to Sta.0+614.0 LHS | NHT | S | 04/28/14 | 05/28/14 | 05/08/14 | 10 | B |
| | SUB-13-00015-NHT-151-B | Shop Drawings: Box Culvert at Sta.0+590.5 ,Retaining Wall from Sta.0+570 to Sta.0+595 RHS and Retaining Wall from Sta.0+574.1 to Sta.0+614.0 LHS -For Engineering Record | NHT | S | 05/13/14 | 06/12/14 | 06/04/14 | 22 | B |
| | SUB-13-00015-NHT-152-A | Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 5.2.3 | NHT | M | 04/29/14 | 05/29/14 | 05/05/14 | 6 | D |

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| | SUB-13-00015-NHT-152-B | Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 5.2.3 | NHT | M | 05/07/14 | 06/06/14 | 05/27/14 | 20 | C |
| | SUB-13-00015-NHT-152-C | Butterfly Valve-PN 25-Henry Pratt-BOQ items No. 5.2.3 | NHT | M | 07/16/14 | 08/15/14 | 07/20/14 | 4 | E |
| | SUB-13-00015-NHT-153-A | Bolts, washers and nuts- Buried pipe flanges-Factor | NHT | M | 04/29/14 | 05/29/14 | 05/05/14 | 6 | C |
| | SUB-13-00015-NHT-153-B | Bolts, washers and nuts- Buried pipe flanges-Factor | NHT | M | 12/08/14 | 01/07/15 | 12/22/14 | 14 | E |
| | SUB-13-00015-NHT-154-A | Butterfly valve-PN 40-Henry Pratt- BOQ items No. 5.2.1,5.2.2, 5.4.1 and 5.4.2 | NHT | M | 04/29/14 | 05/29/14 | 05/20/14 | 21 | C |
| | SUB-13-00015-NHT-154-B | Butterfly valve-PN 40-Henry Pratt- BOQ items No. 5.2.1,5.2.2, 5.4.1 and 5.4.2 | NHT | M | 07/16/14 | 08/15/14 | 07/20/14 | 4 | E |
| | SUB-13-00015-NHT-155-A | Revised Construction Schedule & S-curve (April 30,2014) | NHT | SCH | 04/29/14 | 05/29/14 | 04/30/14 | 1 | D |
| | SUB-13-00015-NHT-155-B | Revised Construction Schedule & S-curve (May 11,2014) | NHT | SCH | 05/12/14 | 06/11/14 | 06/04/14 | 23 | D |
| | SUB-13-00015-NHT-155-C | Revised Construction Schedule & S-curve (June 10,2014) | NHT | SCH | 06/14/14 | 07/14/14 | 06/24/14 | 10 | C |
| | SUB-13-00015-NHT-155-D | Revised Construction Schedule & S-Curve (Recovery Plan) (June 10th. 2014) | NHT | SCH | 07/09/14 | 08/08/14 | 07/23/14 | 14 | B |
| | SUB-13-00015-NHT-156-A | Shop Drawings: Stone Walls from Sta.0+980 to Sta.1+078 RHS ,from Sta.1+083 to Sta.1+350 RHS and from Sta.0+980 to Sta.1+070 LHS -Segment A | NHT | S | 05/06/14 | 06/05/14 | 05/12/14 | 6 | B |
| | SUB-13-00015-NHT-157-A | Shop Drawings: Stone Walls from Sta.0+520 to Sta.0+550 RHS and from Sta.0+610 to Sta.0+660 RHS -Segment A | NHT | S | 05/06/14 | 06/05/14 | 05/12/14 | 6 | B |
| | SUB-13-00015-NHT-158-A | Shop Drawings: Stone Walls from Sta.0+780 to Sta.0+890 RHS-Segment A | NHT | S | 05/06/14 | 06/05/14 | 05/12/14 | 6 | B |
| | SUB-13-00015-NHT-159-A | Shop Drawings: Plan ,Profile and Cross Section for Road from Sta.1+500 to Sta.2+250 - Segment A | NHT | S | 05/07/14 | 06/06/14 | 05/19/14 | 12 | B |
| | SUB-13-00015-NHT-160-A | Updated Construction Schedule and S-curve -April 2014 | NHT | SCH | 05/07/14 | 06/06/14 | 05/14/14 | 7 | B |
| | SUB-13-00015-NHT-161-A | Traffic Control Plan- Phase II- Water transmission pipeline and road widening -DCL Final Written Approval -(Amendment for SUB-13-00015-NHT-095-A) | NHT | P | 05/07/14 | 06/06/14 | 05/14/14 | 7 | A |
| | SUB-13-00015-NHT-162-A | Traffic Control Plan- Segment I Above Ground Water Pipe- Phase IA-DCL Final Written Approval - (Amendment for SUB-13-00015-NHT-062-A) | NHT | P | 05/07/14 | 06/06/14 | 05/14/14 | 7 | A |
| | SUB-13-00015-NHT-163-A | Shop Drawings: Plan ,Profile and Cross Section for Road from Sta.2+250 to Sta.3+330 - Segment A | NHT | S | 05/08/14 | 06/07/14 | 05/21/14 | 13 | B |
| | SUB-13-00015-NHT-164-A | Pressure Gauge- Ashcroft 1279 | NHT | M | 05/11/14 | 06/10/14 | 05/19/14 | 8 | C |
| | SUB-13-00015-NHT-164-B | Pressure Gauge- Ashcroft 1279 | NHT | M | 08/11/14 | 09/10/14 | 08/21/14 | 10 | B |
| | SUB-13-00015-NHT-165-A | Shop Drawings: Water 2" : Plan ,Profile and Typical Section from Sta.2+260 to Sta.3+300 - Segment A | NHT | S | 05/12/14 | 06/11/14 | 05/20/14 | 8 | B |
| | SUB-13-00015-NHT-166-A | Testing Labs-Renewed Accreditation Certificate and Schedule (For Emar Center & Building Center Lab )- Amendment to Submittal No. : SUB-13-00015-NHT-010-A | NHT | P | 05/14/14 | 06/13/14 | 05/26/14 | 12 | A |
| | SUB-13-00015-NHT-167-A | Traffic Control Plan from Sta.A2+270 to Sta.A3+320 -Segment A | NHT | P | 05/18/14 | 06/17/14 | 05/19/14 | 1 | B |
| | SUB-13-00015-NHT-168-A | Gaskets for PN 25 Flanges- Reinz AFM 34 | NHT | M | 05/19/14 | 06/18/14 | 05/28/14 | 9 | B |
| | SUB-13-00015-NHT-169-A | Mitered Bends Schedule and fabrication for 12" pipeline -Segment D | NHT | S | 05/19/14 | 06/18/14 | 05/27/14 | 8 | B |
| | SUB-13-00015-NHT-170-A | Shop Drawings: Box Culvert at Sta.1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS | NHT | S | 05/19/14 | 06/18/14 | 06/03/14 | 15 | B |
| | SUB-13-00015-NHT-170-B | Shop Drawings: Box Culvert at Sta.1+356 and Retaining Wall from Sta.1+260 to Sta.1+400 LHS -For Engineering Record | NHT | S | 06/09/14 | 07/09/14 | 06/23/14 | 14 | B |

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| | SUB-13-00015-NHT-171-A | Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays -UNISPEED -by Nirlat Products -Segment D | NHT | M | 05/21/14 | 06/20/14 | 05/28/14 | 7 | C |
| | SUB-13-00015-NHT-171-B | Paint as second coat to be sprayed over factory EPOXY coating to protect pipe against UV Rays -UNISPEED -by Nirlat Products -Segment D | NHT | M | 06/18/14 | 07/18/14 | 06/24/14 | 6 | C |
| | SUB-13-00015-NHT-171-C | Paint EPOXY coating to protect pipe against UV Rays -UNISPEED -by Nirlat Products -Segment D | NHT | M | 11/06/14 | 12/06/14 | 11/13/14 | 7 | B |
| | SUB-13-00015-NHT-172-A | Joint sealant material -Thioflex 600 | NHT | M | 05/25/14 | 06/24/14 | 05/28/14 | 3 | B |
| | SUB-13-00015-NHT-173-A | Strainer-DVD | NHT | M | 06/01/14 | 07/01/14 | 06/05/14 | 4 | C |
| | SUB-13-00015-NHT-173-B | Strainer-DVD | NHT | M | 06/11/14 | 07/11/14 | 06/18/14 | 7 | B |
| | SUB-13-00015-NHT-174-A | Hubbed on Flanges for Welding -Alternative | NHT | M | 06/04/14 | 07/04/14 | 06/05/14 | 1 | B |
| | SUB-13-00015-NHT-175-A | Shop Drawing: Concrete support details from Sta.0+000 to Sta.0+510- Segment D | NHT | S | 06/04/14 | 07/04/14 | 06/09/14 | 5 | C |
| | SUB-13-00015-NHT-175-B | Shop Drawing: Concrete support details from Sta.0+000 to Sta.0+510- Segment D | NHT | S | 08/24/14 | 09/23/14 | 09/03/14 | 10 | B |
| | SUB-13-00015-NHT-176-A | Shop Drawings: Double Pipe Culvert at Sta.5+472 -Segment A | NHT | S | 06/04/14 | 07/04/14 | 06/23/14 | 19 | E |
| | SUB-13-00015-NHT-177-A | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.0+000 to Sta.0+210 -Segment B | NHT | S | 06/05/14 | 07/05/14 | 06/29/14 | 24 | C |
| | SUB-13-00015-NHT-177-B | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.0+000 to Sta.0+210 -Segment B | NHT | S | 07/22/14 | 08/21/14 | 08/03/14 | 12 | B |
| | SUB-13-00015-NHT-178-A | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.0+953 Segment B to Sta.5+480 Segment A | NHT | S | 06/08/14 | 07/08/14 | 06/29/14 | 21 | C |
| | SUB-13-00015-NHT-178-B | Shop Drawings: Storm Water: Plan, Profile & Typical Details from Sta.0+710 to Sta.0+950-Segment B | NHT | S | 07/13/14 | 08/12/14 | 08/03/14 | 21 | C |
| | SUB-13-00015-NHT-178-C | Shop Drawings: Storm Water: Plan, Profile & Typical Details from Sta.0+710 to Sta.0+950-Segment B | NHT | S | 08/17/14 | 09/16/14 | 09/07/14 | 21 | C |
| | SUB-13-00015-NHT-178-D | Shop Drawings: Storm Water: Plan, Profile & Typical Details from Sta.0+710 to Sta.0+950-Segment B | NHT | S | 09/15/14 | 10/15/14 | 10/02/14 | 17 | B |
| | SUB-13-00015-NHT-179-A | Updated Risk Management Program from sta.2+280 to Sta.3+320 -Segment A | NHT | P | 06/09/14 | 07/09/14 | 07/03/14 | 24 | B |
| | SUB-13-00015-NHT-180-A | Shop Drawings: Water 3" : Plan , Profile and Typical Section from Sta.1+400 to Sta.2+260 - Segment A | NHT | S | 06/14/14 | 07/14/14 | 07/03/14 | 19 | B |
| | SUB-13-00015-NHT-181-A | Updated Risk Management Program from Sta.3+320 to Sta.5+500 -Segment A | NHT | P | 06/14/14 | 07/14/14 | 07/03/14 | 19 | D |
| | SUB-13-00015-NHT-182-A | Galvanized steel pipes_Toscelik | NHT | M | 06/12/14 | 07/12/14 | 06/16/14 | 4 | B |
| | SUB-13-00015-NHT-183-A | Steel ASTM A 53-Gr B , 3"- ERW Welded Pipes- Toscelik /Tzinorot-BOQ item(5.8.3) | NHT | M | 06/17/14 | 07/17/14 | 06/23/14 | 6 | B |
| | SUB-13-00015-NHT-184-A | Pressure Reducing Valves_ Nahaleen chamber_ High_Pressure_Zone_ PN 40_Bermad | NHT | M | 06/17/14 | 07/17/14 | 07/07/14 | 20 | B |
| | SUB-13-00015-NHT-185-A | Water Plan, Profile & Typical Details from Sta.0+000 to Sta.0+980-Segment B | NHT | S | 06/28/14 | 07/28/14 | 07/22/14 | 24 | B |
| | SUB-13-00015-NHT-185-B | Water Plan, Profile & Typical Details from Sta.0+000 to Sta.0+980-Segment B-**For Engineering Record** | NHT | S | 08/14/14 | 09/13/14 | 08/27/14 | 13 | B |
| | SUB-13-00015-NHT-186-A | Manufacturer "Bermad" sizing of Nahaleen Flow Control Valve –As per CMC comments on Submittal No.:( SUB-13-00015-NHT-077-A)&(SUB-13-00015-NHT-080-A) | NHT | M | 06/26/14 | 07/26/14 | 07/13/14 | 17 | B |
| | SUB-13-00015-NHT-187-A | Butterfly valve-PN 40-Value | NHT | M | 06/30/14 | 07/30/14 | 07/23/14 | 23 | D |

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| SUBMITTAL | | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | Project | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | SUB-13-00015-NHT-187-B | Butterfly valve-PN 40-Value | NHT | M | 12/08/14 | 01/07/15 | 12/22/14 | 14 | E |
| | SUB-13-00015-NHT-188-A | Structural & Mechanical Detail For Valve Chambers For Nahaleen Main Pipe Line | NHT | S | 07/03/14 | 08/02/14 | 07/22/14 | 19 | C |
| | SUB-13-00015-NHT-188-B | Structural & Mechanical Detail For Valve Chambers from Sta. 0+000 to Sta. 1+400 and from Sta.3+320 to Sta. 5+800 for Nahaleen Main Pipe Line | NHT | S | 08/27/14 | 09/26/14 | 09/17/14 | 21 | C |
| | SUB-13-00015-NHT-188-C | Structural & Mechanical Detail For Valve Chambers from Sta. 0+000 to Sta. 1+400 and from Sta.3+320 to Sta. 5+800 for Nahaleen Main Pipe Line | NHT | S | 09/21/14 | 10/21/14 | 09/30/14 | 9 | B |
| | SUB-13-00015-NHT-189-A | Welder Performance Qualification Certificates & RT Test Report | NHT | P | 07/07/14 | 08/06/14 | 07/13/14 | 6 | C |
| | SUB-13-00015-NHT-189-B | Welder Performance Qualification Certificates, RT Test Report and Negative Films | NHT | P | 07/16/14 | 08/15/14 | 07/22/14 | 6 | A |
| | SUB-13-00015-NHT-190-A | Shop Drawings: Structural & Mechanical Detail For Flow Monitoring Chamber @ STA.0+720 | NHT | S | 07/20/14 | 08/19/14 | 08/07/14 | 18 | C |
| | SUB-13-00015-NHT-190-B | Shop Drawings: Structural & Mechanical Detail For Flow Monitoring Chamber @ STA.0+720 | NHT | S | 09/18/14 | 10/18/14 | 10/02/14 | 14 | B |
| | SUB-13-00015-NHT-191-A | Triple Pipe Culvert ST.1+356 & R.W ST.1+260 -1+380 LHS & One side Shuttering Wall ST.1+380-1+400 LHS-Ref to Verbal Instruction | NHT | S | 07/16/14 | 08/15/14 | 07/24/14 | 8 | B |
| | SUB-13-00015-NHT-192-A | Husan Western Entrance Road Traffic Management Plan (Phases 03&05)-ICA approval | NHT | P | 07/17/14 | 08/16/14 | 07/22/14 | 5 | B |
| | SUB-13-00015-NHT-193-A | Shop Drawings: Stone Walls from Sta.3+500 to Sta.3+540 RHS and from Sta.3+360 to Sta.3+420 RHS | NHT | S | 08/03/14 | 09/02/14 | 08/05/14 | 2 | C |
| | SUB-13-00015-NHT-193-B | Shop Drawings: Stone Walls from Sta.3+500 to Sta.3+540 RHS and from Sta.3+360 to Sta.3+420 RHS | NHT | S | 09/18/14 | 10/18/14 | 09/24/14 | 6 | B |
| | SUB-13-00015-NHT-194-A | Updated Construction schedule and S-curve - July 31, 2014 | NHT | SCH | 08/07/14 | 09/06/14 | 08/19/14 | 12 | B |
| | SUB-13-00015-NHT-195-A | Manholes Rungs-Eyar Plast Ltd Co. | NHT | M | 09/28/14 | 10/28/14 | 10/13/14 | 15 | B |
| | SUB-13-00015-NHT-196-A | Traffic Control Plan from Sta.A1+940 to Sta.A2+270 -Segment A | NHT | P | 08/07/14 | 09/06/14 | 08/10/14 | 3 | B |
| | SUB-13-00015-NHT-197-A | Welders Performance Qualification Certificates and RT Test Report | NHT | P | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | SUB-13-00015-NHT-198-A | Pipe Inspection Record (Book Submittal) | NHT | M | 08/10/14 | 09/09/14 | 08/25/14 | 15 | B |
| | SUB-13-00015-NHT-199-A | Precast water manhole - addasi Co. | NHT | M | 08/14/14 | 09/13/14 | 09/01/14 | 18 | D |
| | SUB-13-00015-NHT-199-B | Precast water manhole - addasi Co. | NHT | M | 09/04/14 | 10/04/14 | 09/07/14 | 3 | B |
| | SUB-13-00015-NHT-200-A | Shop Drawings: Plan, Profile & Cross Section from Sta.0+000 to Sta1+367-Segment E | NHT | S | 08/14/14 | 09/13/14 | 09/03/14 | 20 | C |
| | SUB-13-00015-NHT-200-B | Shop Drawings: Plan, Profile & Cross Section from Sta.0+000 to Sta1+367-Segment E | NHT | S | 09/10/14 | 10/10/14 | 09/30/14 | 20 | B |
| | SUB-13-00015-NHT-201-A | Galvanized steel pipes_ AVROT | NHT | M | 08/14/14 | 09/13/14 | 08/21/14 | 7 | C |
| | SUB-13-00015-NHT-201-B | Galvanized steel pipes_ AVROT | NHT | M | 08/24/14 | 09/23/14 | 08/28/14 | 4 | B |
| | SUB-13-00015-NHT-202-A | Shop Drawing: Retaining Wall from Sta.0+106 to Sta.0+173 RHS | NHT | S | 08/14/14 | 09/13/14 | 08/27/14 | 13 | B |
| | SUB-13-00015-NHT-203-A | Asphalt Mix Design -Wearing Asphalt 3/4 inch-Al Hareth Co. Asphalt Plant -item No.3.03 . | NHT | M | 08/17/14 | 09/16/14 | 09/04/14 | 18 | C |
| | SUB-13-00015-NHT-203-B | Asphalt Mix Design -Wearing Asphalt 3/4 inch-Al Hareth Co. Asphalt Plant -item No.3.03 . | NHT | M | 09/14/14 | 10/14/14 | 09/18/14 | 4 | D |
| | SUB-13-00015-NHT-203-C | Asphalt Mix Design -Wearing Asphalt 3/4 inch-Al Hareth Co. Asphalt Plant -item No.3.03 . | NHT | M | 10/28/14 | 11/27/14 | 11/02/14 | 5 | B |
| | SUB-13-00015-NHT-204-A | Shop Drawing: Boundary Wall from Sta. 0+420 to Sta. 0+452.5 LHS & Boundary Wall from Sta. 0+456.5 to Sta. 0+475.5 LHS | NHT | S | 08/18/14 | 09/17/14 | 08/28/14 | 10 | E |
| | SUB-13-00015-NHT-205-A | Shop Drawing: Boundary Wall from Sta.0+032 to Sta. 0+063 LHS | NHT | S | 08/18/14 | 09/17/14 | 08/28/14 | 10 | B |

**USAID WEST BANK/ GAZA**
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**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-206-A | Shop Drawing: Retaining Wall from Sta. 0+501.85 to Sta. 0+620.60 LHS | NHT | S | 08/18/14 | 09/17/14 | 09/02/14 | 15 | C |
| | SUB-13-00015-NHT-206-B | Shop Drawing: Boundary Wall from Sta. 0+501.85 TO 0+550 LHS& On Side Shuttering Wall from Sta. 0+550 TO 0+595.29 LHS-Per Review Comment on( SUB-13-00015-NHT-206-A) | NHT | S | 09/08/14 | 10/08/14 | 09/17/14 | 9 | B |
| | SUB-13-00015-NHT-207-A | Shop Drawing: Boundary Wall from Sta.0+905 to Sta. 0+918 LHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | D |
| | SUB-13-00015-NHT-207-B | Shop Drawing: Stone Wall from Sta.0+905 to Sta. 0+918 LHS-Segment E-Per your Review Comment on (SUB-13-00015-NHT-207-A) | NHT | S | 09/01/14 | 10/01/14 | 09/02/14 | 1 | B |
| | SUB-13-00015-NHT-208-A | Shop Drawing: Retaining Wall from Sta. 0+639 to Sta. 0+670 LHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | B |
| | SUB-13-00015-NHT-209-A | Shop Drawing: Stone Wall from Sta. 0+130 to Sta. 0+170 LHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/20/14 | 1 | C |
| | SUB-13-00015-NHT-209-B | Shop Drawing: Stone Wall from Sta. 0+130 to Sta. 0+170 LHS-Segment E | NHT | S | 08/24/14 | 09/23/14 | 08/28/14 | 4 | B |
| | SUB-13-00015-NHT-210-A | Shop Drawing: Boundary Wall from Sta.0+637 to Sta. 0+653 RHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | B |
| | SUB-13-00015-NHT-211-A | Shop Drawing: Boundary Wall from Sta.0+718 to Sta. 0+732 LHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | B |
| | SUB-13-00015-NHT-212-A | Shop Drawing: Boundary Wall from Sta.0+567 to Sta. 0+590 RHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | B |
| | SUB-13-00015-NHT-213-A | Shop Drawing: Retaining Wall from Sta. 0+812.5 to Sta. 0+839 LHS& Boundary Wall from Sta.0+839 to Sta. 0+850 LHS-Segment E | NHT | S | 08/19/14 | 09/18/14 | 08/28/14 | 9 | B |
| | SUB-13-00015-NHT-214-A | Shop Drawing: Boundary Wall from Sta.1+050 to Sta. 1+120 RHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | B |
| | SUB-13-00015-NHT-215-A | Shop Drawing: Retaining Wall from Sta. 0+754 to Sta. 0+774 LHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 09/16/14 | 26 | B |
| | SUB-13-00015-NHT-216-A | Shop Drawing: Retaining Wall from Sta. 1+220 to Sta. 1+246.3 LHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | E |
| | SUB-13-00015-NHT-217-A | Shop Drawing: Boundary Wall from Sta.0+818 to Sta. 0+884.3 RHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | B |
| | SUB-13-00015-NHT-218-A | Shop Drawing: Boundary Wall from Sta.0+987 to Sta. 0+993 LHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | C |
| | SUB-13-00015-NHT-218-B | Shop Drawing: Boundary Wall from Sta.0+987 to Sta. 0+993 LHS-Segment E | NHT | S | 12/10/14 | 01/09/15 | 01/04/15 | 25 | B |
| | SUB-13-00015-NHT-219-A | Shop Drawing: Retaining Wall from Sta. 0+045 to Sta. 0+083 RHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | B |
| | SUB-13-00015-NHT-220-A | Shop Drawing: Boundary Wall from Sta.0+200 to Sta. 0+246 RHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 08/28/14 | 7 | B |
| | SUB-13-00015-NHT-221-A | Shop Drawing: Boundary Wall from Sta.0+948 to Sta. 0+963 RHS-Segment E | NHT | S | 08/21/14 | 09/20/14 | 09/15/14 | 25 | B |
| | SUB-13-00015-NHT-222-A | Specific Night Work Safety Plan | NHT | P | 08/24/14 | 09/23/14 | 08/28/14 | 4 | C |
| | SUB-13-00015-NHT-222-B | Specific Night Work Safety Plan | NHT | P | 12/11/14 | 01/10/15 | 12/23/14 | 12 | A |
| | SUB-13-00015-NHT-223-A | Welder Performance Qualification No.214150 (Mamidi Prasad) | NHT | P | 08/24/14 | 09/23/14 | 08/27/14 | 3 | B |
| | SUB-13-00015-NHT-223-B | Welder Performance Qualification No.214150 (Mamidi Prasad)-**For Engineering Record** | NHT | P | 09/09/14 | 10/09/14 | 09/11/14 | 2 | A |
| | SUB-13-00015-NHT-224-A | Shop Drawings: Plan , Profile and Cross Section for Road from Sta.5+700 to Sta.7+050 - Segment A | NHT | S | 08/26/14 | 09/25/14 | 09/18/14 | 23 | B |
| | SUB-13-00015-NHT-224-B | Shop Drawings: Plan , Profile and Cross Section for Road from Sta.5+700 to Sta.7+050 - Segment A-**For Engineering Record** | NHT | S | 09/23/14 | 10/23/14 | 10/02/14 | 9 | B |
| | SUB-13-00015-NHT-225-A | Ball Valve-Tyco F120 for Pressure Gauge | NHT | M | 08/26/14 | 09/25/14 | 08/27/14 | 1 | B |
| | SUB-13-00015-NHT-226-A | Precast curb stone -Al Sous Co. | NHT | M | 09/30/14 | 10/30/14 | 10/14/14 | 14 | B |
| | SUB-13-00015-NHT-227-A | House Connection PRV- Dorot Item No.5.12 | NHT | M | 09/01/14 | 10/01/14 | 09/04/14 | 3 | C |
| | SUB-13-00015-NHT-227-B | House Connection PRV- Dorot Item No.5.12 | NHT | M | 12/08/14 | 01/07/15 | 12/22/14 | 14 | E |
| | SUB-13-00015-NHT-228-A | House Connection Ball Valve-Tyco- F 120-Item 5.12 | NHT | M | 09/03/14 | 10/03/14 | 09/07/14 | 4 | B |
| | SUB-13-00015-NHT-229-A | Shop Drawing: Street Lighting From Sta.B0+000 To Sta.B0+980- Segment B | NHT | S | 09/03/14 | 10/03/14 | 09/04/14 | 1 | E |
| | SUB-13-00015-NHT-230-A | Pre-cast hand hole manhole for 2" gate valve- Al-Adassi pre-cast concrete factory | NHT | M | 09/04/14 | 10/04/14 | 09/23/14 | 19 | B |
| | SUB-13-00015-NHT-231-A | update of mix design of asphalt for Al-Tarifi factory | NHT | M | 09/04/14 | 10/04/14 | 09/18/14 | 14 | B |
| | SUB-13-00015-NHT-232-A | pressure test, disinfection and chlorine plan for water pipelines | NHT | M | 09/04/14 | 10/04/14 | 09/16/14 | 12 | C |
| | SUB-13-00015-NHT-232-B | Pressure test, disinfection and chlorine plan for water pipelines | NHT | M | 04/22/15 | 05/22/15 | | PE | |
| | SUB-13-00015-NHT-233-A | Updated Construction Schedule& S-Curve (August 31,2014) | NHT | SCH | 09/07/14 | 10/07/14 | 09/25/14 | 18 | B |

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| | SUB-13-00015-NHT-234-A | House Connection Check Valve-ITAP-Item No. 5.12 | NHT | M | 09/09/14 | 10/09/14 | 09/16/14 | 7 | B |
| | SUB-13-00015-NHT-235-A | House Connection ball valve-ITAP-Item No. 5.12 | NHT | M | 09/10/14 | 10/10/14 | 09/16/14 | 6 | B |
| | SUB-13-00015-NHT-236-A | House Connection Strainer-ITAP-Item No.5.12 | NHT | M | 09/10/14 | 10/10/14 | 09/16/14 | 6 | B |
| | SUB-13-00015-NHT-237-A | Shop Drawing: Stone Wall from Sta.3+270 to Sta. 3+300 RHS-Segment A | NHT | S | 09/10/14 | 10/10/14 | 09/15/14 | 5 | B |
| | SUB-13-00015-NHT-238-A | House Connection- Pressure Reducing Valve- Honeywell-Item No.5.12 | NHT | M | 09/10/14 | 10/10/14 | 09/16/14 | 6 | C |
| | SUB-13-00015-NHT-238-B | House Connection- Pressure Reducing Valve- Honeywell-Item No.5.12 | NHT | M | 09/25/14 | 10/25/14 | 10/02/14 | 7 | B |
| | SUB-13-00015-NHT-239-A | Shop Drawing: Stone Wall from Sta.1+200 to Sta. 1+250 LHS-Segment A | NHT | S | 09/10/14 | 10/10/14 | 09/15/14 | 5 | B |
| | SUB-13-00015-NHT-240-A | Concrete repairing material up to 3mm thickness and method statement | NHT | M | 09/10/14 | 10/10/14 | 09/23/14 | 13 | B |
| | SUB-13-00015-NHT-241-A | Shop Drawing: Pipe Culvert at Sta.3+281.3-Segment A | NHT | S | 09/14/14 | 10/14/14 | 10/02/14 | 18 | B |
| | SUB-13-00015-NHT-242-A | Shop Drawings: Plan , Profile and Cross Section for Road from Sta.7+050 To Sta.8+203-Segment A | NHT | S | 09/14/14 | 10/14/14 | 10/02/14 | 18 | B |
| | SUB-13-00015-NHT-242-B | Shop Drawings: Plan , Profile and Cross Section for Road from Sta.7+050 To Sta.8+203-Segment A-**For Engineering Record** | NHT | S | 10/12/14 | 11/11/14 | 10/23/14 | 11 | B |
| | SUB-13-00015-NHT-243-A | Revised Construction Schedule & S Curve (Recovery Plan)(Sep.10,2014) | NHT | SCH | 09/14/14 | 10/14/14 | 10/02/14 | 18 | B |
| | SUB-13-00015-NHT-244-A | Shop Drawing: Pipe Culvert at Sta.6+197 | NHT | S | 09/17/14 | 10/17/14 | 10/02/14 | 15 | C |
| | SUB-13-00015-NHT-244-B | Shop Drawing: Pipe Culvert at Sta.6+197 | NHT | S | 10/22/14 | 11/21/14 | 11/17/14 | 26 | C |
| | SUB-13-00015-NHT-244-C | Shop Drawing: Pipe Culvert at Sta.6+197 | NHT | S | 11/27/14 | 12/27/14 | 12/02/14 | 5 | B |
| | SUB-13-00015-NHT-245-A | Traffic Control plan from Sta. 1+450 to Sta. 1+980-Segment A | NHT | P | 09/18/14 | 10/18/14 | 09/18/14 | 0 | C |
| | SUB-13-00015-NHT-246-A | Updated Risk Management Program Form Sta.A1+460 To Sta.A2+260 | NHT | P | 09/23/14 | 10/23/14 | 10/20/14 | 27 | B |
| | SUB-13-00015-NHT-247-A | Storm water pipe 600mm Dia and pipe culvert-Palestinian Co. | NHT | M | 09/23/14 | 10/23/14 | 09/25/14 | 2 | B |
| | SUB-13-00015-NHT-248-A | Prepaid water meter-Elektromed-Item No.5.12 | NHT | M | 09/25/14 | 10/25/14 | 10/13/14 | 18 | C |
| | SUB-13-00015-NHT-248-B | Prepaid water meter-Elektromed-Item No.5.12 | NHT | M | 10/21/14 | 11/20/14 | 10/29/14 | 8 | B |
| | SUB-13-00015-NHT-249-A | Concrete Ditch Plan From Sta.0+120 to Sta.0+480 & From Sta.3+320 to Sta.3+850 -Segment A | NHT | S | 09/25/14 | 10/25/14 | 10/14/14 | 19 | C |
| | SUB-13-00015-NHT-249-B | Concrete Ditch Plan From Sta.0+120 to Sta.0+480 & From Sta.3+320 to Sta.3+850 -Segment A | NHT | S | 10/16/14 | 11/15/14 | 11/06/14 | 21 | B |
| | SUB-13-00015-NHT-250-A | Shop Drawing: Retaining Wall From Sta.6+505 to Sta.6+560 LHS& Sta.6+574to Sta.6+603 LHS- Segment A | NHT | S | 09/28/14 | 10/28/14 | 10/16/14 | 18 | B |
| | SUB-13-00015-NHT-251-A | Welders Certificates and RT Test Results (D. Nagasatyanarayana) | NHT | P | 09/25/14 | 10/25/14 | 10/13/14 | 18 | B |
| | SUB-13-00015-NHT-252-A | Shop Drawing: Water: Plan, Profile and Typical Section From Sta.5+700 To Sta.7+000-Segment A | NHT | S | 09/28/14 | 10/28/14 | 10/16/14 | 18 | C |
| | SUB-13-00015-NHT-252-B | Shop Drawing: Water: Plan, Profile and Typical Section From Sta.5+700 To Sta.7+000-Segment A | NHT | S | 10/22/14 | 11/21/14 | 11/11/14 | 20 | B |
| | SUB-13-00015-NHT-253-A | Shop Drawing: Retaining Wall From Sta.6+761 To Sta.6+795 LHS& From Sta.6+920 To Sta.6+932 LHS-Segment A | NHT | S | 09/29/14 | 10/29/14 | 10/16/14 | 17 | B |
| | SUB-13-00015-NHT-254-A | Shop Drawing: Stone Wall From Sta.6+706 To Sta.6+730 RHS-Segment A | NHT | S | 09/29/14 | 10/29/14 | 10/16/14 | 17 | B |

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| | SUB-13-00015-NHT-255-A | Shop Drawing: Water: Plan, Profile & Typical Details From Sta.-0+038 To Sta.1+400-Segment E | NHT | S | 09/29/14 | 10/29/14 | 10/20/14 | 21 | C |
| | SUB-13-00015-NHT-255-B | Shop Drawing: Water: Plan, Profile & Typical Details From Sta.-0+038 To Sta.1+400-Segment E | NHT | S | 10/29/14 | 11/28/14 | 11/05/14 | 7 | C |
| | SUB-13-00015-NHT-255-C | Shop Drawing: Water: Plan, Profile & Typical Details From Sta.-0+038 To Sta.1+400-Segment E | NHT | S | 11/11/14 | 12/11/14 | 12/04/14 | 23 | B |
| | SUB-13-00015-NHT-256-A | Welder Performance Qualification No. 214220 – Indian Welder D. Nagasatyanarayana | NHT | P | 09/30/14 | 10/30/14 | 10/13/14 | 13 | B |
| | SUB-13-00015-NHT-257-A | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.5+790 to Sta.6+040 -Segment A | NHT | S | 10/09/14 | 11/08/14 | 10/23/14 | 14 | C |
| | SUB-13-00015-NHT-257-B | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.5+790 to Sta.6+040 -Segment A | NHT | S | 10/27/14 | 11/26/14 | 10/29/14 | 2 | B |
| | SUB-13-00015-NHT-258-A | Bolts (ASTM A 193 Class 2-Stainless Steel AISI 316,Grade B8M)and Nuts (ASTM A 194-Stainless Steel AISI 316- Grade 8M) Sample- Torq Bolts Inc. | NHT | M | 10/12/14 | 11/11/14 | 10/29/14 | 17 | B |
| | SUB-13-00015-NHT-259-A | Updated construction schedule Sep. 30, 2014 | NHT | SCH | 10/12/14 | 11/11/14 | 10/16/14 | 4 | B |
| | SUB-13-00015-NHT-260-A | Shop Drawings: Structural & Mechanical Detail For Flow Monitoring Chamber @ STA.5+365 | NHT | S | 10/15/14 | 11/14/14 | 10/29/14 | 14 | C |
| | SUB-13-00015-NHT-260-B | Shop Drawings: Structural & Mechanical Detail For Flow Monitoring Chamber @ STA.5+365 | NHT | S | 11/02/14 | 12/02/14 | 11/17/14 | 15 | B |
| | SUB-13-00015-NHT-260-C | Shop Drawings: Structural & Mechanical Detail For Flow Monitoring Chamber @ STA.5+365-For Engineering Record | NHT | S | 11/25/14 | 12/25/14 | 12/18/14 | 23 | B |
| | SUB-13-00015-NHT-261-A | Updated Pipe Inspection Record (Book Submittal) | NHT | M | 10/16/14 | 11/15/14 | 10/29/14 | 13 | C |
| | SUB-13-00015-NHT-262-A | Updated Risk Management Program Form Sta.E-0+020 To Sta.E1+330-Segment E | NHT | P | 10/20/14 | 11/19/14 | 10/30/14 | 10 | B |
| | SUB-13-00015-NHT-263-A | Shop Drawings: Structural & Mechanical Detail For Flow Chambers Typical Section (G.V, Washout, ARV) | NHT | S | 10/20/14 | 11/19/14 | 11/02/14 | 13 | B |
| | SUB-13-00015-NHT-264-A | Shop Drawings: Water : Plan ,Profile and Typical Details from Sta.0+000 to Sta.1+040 - Battir Water Pipeline | NHT | S | 10/21/14 | 11/20/14 | 11/20/14 | 30 | B |
| | SUB-13-00015-NHT-265-A | Shop Drawing: Water Plan, Profile and Typical Section from Sta.7+000 to Sta.7+425-Segment A | NHT | S | 10/30/14 | 11/29/14 | 11/17/14 | 18 | B |
| | SUB-13-00015-NHT-266-A | Shop Drawing: Water Plan, Profile and Typical Section from Sta.7+430 to Sta.8+185-Segment A | NHT | S | 11/04/14 | 12/04/14 | 11/20/14 | 16 | B |
| | SUB-13-00015-NHT-267-A | Shop Drawings: Structural & Mechanical Detail for Wadi Fukin Connection Chambers @Sta. B0+955 | NHT | S | 11/05/14 | 12/05/14 | 12/02/14 | 27 | C |
| | SUB-13-00015-NHT-267-B | Shop Drawings: Structural & Mechanical Detail for Wadi Fukin Connection Chambers @Sta. B0+960 | NHT | S | 12/17/14 | 01/16/15 | 12/23/14 | 6 | B |
| | SUB-13-00015-NHT-268-A | Updated Construction Schedule & S-Curve (October 31, 2014) | NHT | SCH | 11/06/14 | 12/06/14 | 11/17/14 | 11 | B |
| | SUB-13-00015-NHT-269-A | Shop Drawings: Road : Plan , Profile and Cross Section from Sta.0+000 to Sta.0+329.8 - Segment C | NHT | S | 11/08/14 | 12/08/14 | 11/24/14 | 16 | C |

**USAID WEST BANK/ GAZA**
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**CONTRACT NO. AID-294-I-00-12-00005**
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| SUBMITTAL | | | | | TRACKING DATES | | | | Approval Status |
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| Spec. No. | Submittal No | Description | Project | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | SUB-13-00015-NHT-269-B | Shop Drawings: Road : Plan , Profile and Cross Section from Sta.0+000 to Sta.0+329.8 - Segment C | NHT | S | 12/08/14 | 01/07/15 | 12/14/14 | 6 | B |
| | SUB-13-00015-NHT-270-A | Traffic Control Plan from Sta.0+000 to Sta 1+367 -Segment E | NHT | P | 11/08/14 | 12/08/14 | 11/26/14 | 18 | A |
| | SUB-13-00015-NHT-271-A | Blow-off strainer ball valve | NHT | M | 11/09/14 | 12/09/14 | 11/13/14 | 4 | B |
| | SUB-13-00015-NHT-272-A | Gate Valve-Raphael TRL, PN 16-DN 80& DN 100 | NHT | M | 11/12/14 | 12/12/14 | 12/08/14 | 26 | B |
| | SUB-13-00015-NHT-273-A | Shop Drawings: Water : Plan , Profile and Typical Details from Sta.0+000 to Sta.0+330- Segment C | NHT | S | 11/12/14 | 12/12/14 | 11/20/14 | 8 | B |
| | SUB-13-00015-NHT-274-A | Shop Drawing: Pipe Culvert At Sta.7+792.4-Segment A | NHT | S | 11/13/14 | 12/13/14 | 11/24/14 | 11 | C |
| | SUB-13-00015-NHT-274-B | Shop Drawing: Pipe Culvert At Sta.7+792.4-Segment A | NHT | S | 11/27/14 | 12/27/14 | 12/04/14 | 7 | C |
| | SUB-13-00015-NHT-274-C | Shop Drawing: Pipe Culvert At Sta.7+792.4-Segment A | NHT | S | 12/09/14 | 01/08/15 | 12/14/14 | 5 | B |
| | SUB-13-00015-NHT-275-A | Shop Drawing: Retaining Wall From Sta0+823 to Sta.0+859 RHS- Segment B | NHT | S | 11/19/14 | 12/19/14 | 11/27/14 | 8 | B |
| | SUB-13-00015-NHT-276-A | Shop Drawing: Structural & Mechanical Detail For Combination Butterfly with ARV-Seg D @ Sta.0+506 | NHT | S | 11/20/14 | 12/20/14 | 12/08/14 | 18 | B |
| | SUB-13-00015-NHT-277-A | Shop Drawing: Plan, Profile & Cross Section For Road- Simple Access at Sta.E0+900 LHS From Sta.0+000 To Sta.0+109-Segment E | NHT | S | 11/20/14 | 12/20/14 | 12/14/14 | 24 | B |
| | SUB-13-00015-NHT-278-A | Shop Drawing: Plan, Profile & Cross Section For Road- Simple Access at Sta.E1+000 LHS From Sta.0+000 To Sta.0+290-Segment E | NHT | S | 11/20/14 | 12/20/14 | 12/18/14 | 28 | C |
| | SUB-13-00015-NHT-278-B | Shop Drawing: Plan, Profile & Cross Section For Road- Simple Access at Sta.E1+000 LHS From Sta.0+000 To Sta.0+290-Segment E | NHT | S | 01/18/15 | 02/17/15 | 02/11/15 | 24 | B |
| | SUB-13-00015-NHT-279-A | Shop Drawing: Plan, Profile & Cross Section For Road- Simple Access at Sta.B0+185 LHS From Sta.0+000 To Sta.0+150-Segment B | NHT | S | 11/24/14 | 12/24/14 | 12/23/14 | 29 | C |
| | SUB-13-00015-NHT-279-B | Shop Drawing: Plan, Profile & Cross Section For Road- Simple Access at Sta.B0+185 LHS From Sta.0+000 To Sta.0+150-Segment B | NHT | S | 01/18/15 | 02/17/15 | 02/11/15 | 24 | B |
| | SUB-13-00015-NHT-280-A | Shop Drawings: Storm Water : Plan, Profile and Typical Details from Sta.6+200 to Sta.6+330 -Segment A | NHT | S | 11/26/14 | 12/26/14 | 12/02/14 | 6 | B |
| | SUB-13-00015-NHT-281-A | Shrinkable Tape for water pipe | NHT | M | 12/01/14 | 12/31/14 | 12/11/14 | 10 | D |
| | SUB-13-00015-NHT-282-A | Shop Drawings: Water 4": Plan, Profile and Typical Details from Sta.0+000 to Sta.0+600 - Husan Water Pipeline | NHT | S | 12/02/14 | 01/01/15 | 12/23/14 | 21 | B |
| | SUB-13-00015-NHT-283-A | Shop Drawings: Structural & Mechanical Detail For Combination 200mm G.V & 150mm W.O @ 6+200& Combination Three 200mm G.V with 80mm ARV @STA 7+390- Segment A | NHT | S | 12/03/14 | 01/02/15 | 12/14/14 | 11 | C |
| | SUB-13-00015-NHT-283-B | Shop Drawings: Structural & Mechanical Detail For Combination 200mm G.V & 150mm W.O @ 6+200& Combination Three 200mm G.V with 80mm ARV @STA 7+390- Segment A | NHT | S | 12/23/14 | 01/22/15 | 12/31/14 | 8 | C |
| | SUB-13-00015-NHT-283-C | Shop Drawings: Structural & Mechanical Detail For Combination 200mm G.V & 150mm W.O @ 6+200& Combination Three 200mm G.V with 80mm ARV @STA 7+390- Segment A | NHT | S | 01/13/15 | 02/12/15 | 01/25/15 | 12 | B |
| | SUB-13-00015-NHT-284-A | Pressure Gauge-Wika-Specification: 17108-2.1 | NHT | M | 12/08/14 | 01/07/15 | 12/18/14 | 10 | B |
| | SUB-13-00015-NHT-285-A | Updated Construction Schedule and S Curve-(November 30, 2014) | NHT | SCH | 12/08/14 | 01/07/15 | 12/23/14 | 15 | C |
| | SUB-13-00015-NHT-285-B | Updated Construction Schedule and S Curve-(November 30, 2014) | NHT | SCH | 12/29/14 | 01/28/15 | 01/05/15 | 7 | B |
| | SUB-13-00015-NHT-286-A | Washout Flap Valve-ARI -BOQ item No: 5.5.1, 5.5.3, 5.10.1&5.10.2 | NHT | M | 12/11/14 | 01/10/15 | 12/18/14 | 7 | B |
| | SUB-13-00015-NHT-287-A | Shop Drawings: Structural & Mechanical Detail for Hussan Connection Chambers @Sta. A7+330 | NHT | S | 12/17/14 | 01/16/15 | 01/05/15 | 19 | C |

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| | SUB-13-00015-NHT-287-B | Shop Drawings: Structural & Mechanical Detail for Hussan Connection Chambers @Sta. A7+330 | NHT | S | 01/18/15 | 02/17/15 | 01/27/15 | 9 | C |
| | SUB-13-00015-NHT-287-C | Shop Drawings: Structural & Mechanical Detail for Hussan Connection Chambers @Sta. A7+270- per CMC comments | NHT | S | 03/11/15 | 04/10/15 | 03/30/15 | 19 | B |
| | SUB-13-00015-NHT-288-A | Welder Performance Qualification and Radiographic Test report – Ismail Ghnaim | NHT | P | 12/18/14 | 01/17/15 | 12/22/14 | 4 | C |
| | SUB-13-00015-NHT-289-A | A Second third party Source for Radiography | NHT | P | 12/21/14 | 01/20/15 | 12/30/14 | 9 | A |
| | SUB-13-00015-NHT-290-A | Shop Drawings: Structural & Mechanical Detail for Battir Connection Chambers @Sta. A7+420 | NHT | S | 12/23/14 | 01/22/15 | 01/12/15 | 20 | C |
| | SUB-13-00015-NHT-290-B | Shop Drawings: Structural & Mechanical Detail for Battir Connection Chambers @Sta. A7+400 | NHT | S | 01/18/15 | 02/17/15 | 02/03/15 | 16 | B |
| | SUB-13-00015-NHT-290-C | Shop Drawings: Structural & Mechanical Detail for Battir Connection Chambers @Sta. A7+400 -For Engineering Record | NHT | S | 02/08/15 | 03/10/15 | 02/12/15 | 4 | B |
| | SUB-13-00015-NHT-291-A | Flanged coupling adaptor - KRAUSZ for 50mm distribution gate valve (to be installed instead of Union coupling as per approved VO)-Specification: N/A<br>Bill : Item 5.9.4 | NHT | M | 12/29/14 | 01/28/15 | 01/11/15 | 13 | B |
| | SUB-13-00015-NHT-292-A | Shop Drawings: Retaining Wall from Sta.7+530 to Sta.7+564 LHS -Segment A | NHT | S | 12/30/14 | 01/29/15 | 01/04/15 | 5 | B |
| | SUB-13-00015-NHT-293-A | Shop Drawing: Concrete pavement from Sta.A 1+940 to A 1+980- As Per RFI #028 | NHT | S | 12/30/14 | 01/29/15 | 01/26/15 | 27 | B |
| | SUB-13-00015-NHT-294-A | Shop Drawings: Retaining Wall from Sta.0+886.8 to Sta.0+894.6 LHS - Segment E | NHT | S | 01/05/15 | 02/04/15 | 01/28/15 | 23 | B |
| | SUB-13-00015-NHT-295-A | Shop Drawings: Pipe Culvert at Sta.0+584.7 - Segment E | NHT | S | 01/05/15 | 02/04/15 | 02/04/15 | 30 | B |
| | SUB-13-00015-NHT-295-B | Shop Drawings: Pipe Culvert at Sta.0+581.5 - Segment E -For Engineering Record | NHT | S | 02/08/15 | 03/10/15 | 02/11/15 | 3 | B |
| | SUB-13-00015-NHT-296-A | Updated Construction Schedule and S Curve (December 31,2014) | NHT | SCH | 01/06/15 | 02/05/15 | 01/11/15 | 5 | B |
| | SUB-13-00015-NHT-297-A | As Built Drawing: Road Work :Plan , Profile and Cross Section from Sta. M1+300 to Sta.M1+490 and from Sta.A1+460 to Sta.A1+500 -Segment A | NHT | AS | 01/06/15 | 02/05/15 | 02/03/15 | 28 | D |
| | SUB-13-00015-NHT-298-A | Pre cast concrete Curbstone_Ackrestein Co. | NHT | M | 01/06/15 | 02/05/15 | 01/14/15 | 8 | B |
| | SUB-13-00015-NHT-299-A | Shop Drawings: Structural and Mechanical Detail for: Indirect 100mm ARV @ Sta.E0+355 , Indirect 250 mm W.O. @ Sta.E0+590 and Direct 100 mm ARV at Sta.E1+020 -Segment E | NHT | S | 01/13/15 | 02/12/15 | 02/02/15 | 20 | C |
| | SUB-13-00015-NHT-299-B | Shop Drawings: Structural and Mechanical Detail for: Indirect 100mm ARV @ Sta.E0+355 , Indirect 250 mm W.O. @ Sta.E0+590 and Direct 100 mm ARV at Sta.E1+100 -Segment E | NHT | S | 02/18/15 | 03/20/15 | 03/10/15 | 20 | B |
| | SUB-13-00015-NHT-300-A | Shop Drawings: Retaining Wall from Sta.7+355 to Sta.7+393.4 LHS | NHT | S | 01/13/15 | 02/12/15 | 01/15/15 | 2 | B |
| | SUB-13-00015-NHT-301-A | Shop Drawings: Retaining Wall from Sta.7+475 to Sta.7+488 LHS | NHT | S | 01/18/15 | 02/17/15 | 01/28/15 | 10 | B |
| | SUB-13-00015-NHT-302-A | Shop Drawings: Retaining Wall from Sta.7+170 to Sta.7+191.2 LHS | NHT | S | 01/20/15 | 02/19/15 | 01/28/15 | 8 | B |
| | SUB-13-00015-NHT-303-A | Shop Drawings: Structural and Mechanical Detail for: Direct 80mm ARV @ Sta.A 5+995 , Indirect 50 mm ARV @ Sta.A7+077 and Direct 80 mm ARV at Sta.A7+080 -Segment A | NHT | S | 01/21/15 | 02/20/15 | 02/04/15 | 14 | C |
| | SUB-13-00015-NHT-303-B | Shop Drawings: Structural and Mechanical Detail for: In Direct 80mm ARV @ Sta.A 6+040 , Indirect 50 mm ARV @ Sta.A7+065 and In Direct 80 mm ARV at Sta.A7+080 - Segment A | NHT | S | 02/18/15 | 03/20/15 | 03/10/15 | 20 | B |
| | SUB-13-00015-NHT-304-A | Shop Drawings: Structural and Mechanical Detail for Battir PRV Chamber at Sta.B0+950 | NHT | S | 01/22/15 | 02/21/15 | 02/23/15 | 32 | B |
| | SUB-13-00015-NHT-304-B | Shop Drawings: Structural and Mechanical Detail for Battir PRV Chamber at Sta.B0+950 - For Engineering Record | NHT | S | 03/04/15 | 04/03/15 | 03/24/15 | 20 | B |

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| | SUB-13-00015-NHT-305-A | Shop Drawings: Structural and Mechanical Detail for : 75 mm Washout at Battir Sta.B0+915 , 50 mm ARV at Battir Sta.B1+030 and 50 mm ARV at Sta.A7+930 | NHT | S | 01/27/15 | 02/26/15 | 02/23/15 | 27 | B |
| | SUB-13-00015-NHT-306-A | Shop Drawings: Structural and Mechanical Detail for : 1-Hussan PRV at Sta.A6+200 , 2-Combined 2" ARV and 4" G.V and 2" G.V at Sta.H0+020, 3- Combined 2" ARV and 4" G.V at Sta.H 0+330 | NHT | S | 01/27/15 | 02/26/15 | 02/25/15 | 29 | B |
| | SUB-13-00015-NHT-306-B | Shop Drawings: Structural and Mechanical Detail for : 1-Hussan PRV at Sta.A6+200 , 2-Combined 2" ARV and 4" G.V and 2" G.V at Sta.H0+020, 3- Combined 2" ARV and 4" G.V at Sta.H 0+330 - For Engineering Record | NHT | S | 03/04/15 | 04/03/15 | 03/17/15 | 13 | B |
| | SUB-13-00015-NHT-307-A | Shop Drawings: Structural and Mechanical Detail for Hand hole Typical Section | NHT | S | 01/28/15 | 02/27/15 | 02/19/15 | 22 | B |
| | SUB-13-00015-NHT-308-A | Electrical panel for water metering chambers– BOQ items 5.4.1, 5.4.2, 5.7.1, 5.7.2, 5.7.3 | NHT | M | 01/29/15 | 02/28/15 | 02/09/15 | 11 | B |
| | SUB-13-00015-NHT-309-A | Shop Drawings: Retaining Wall from Sta.0+564.35 to Sta.0+651.9 LHS -Battir Road | NHT | S | 02/04/15 | 03/06/15 | 03/02/15 | 26 | B |
| | SUB-13-00015-NHT-309-B | Shop Drawings: Boundary Wall from Sta.0+564.35 to Sta.0+580 LHS and Retaining Wall from Sta.0+580 to Sta.0+651.9 LHS -Battir Road - For Engineering Record | NHT | S | 03/04/15 | 04/03/15 | 03/26/15 | 22 | B |
| | SUB-13-00015-NHT-310-A | Revised Construction Schedule & S-Curve (January 31, 2015) | NHT | SCH | 02/11/15 | 03/13/15 | 03/01/15 | 18 | C |
| | SUB-13-00015-NHT-310-B | Revised Construction Schedule & S-Curve (January 31, 2015) | NHT | SCH | 03/11/15 | 04/10/15 | 03/17/15 | 6 | B |
| | SUB-13-00015-NHT-310-C | Revised Construction Schedule & S-Curve (January 31, 2015)- For Engineering Record | NHT | SCH | 03/22/15 | 04/21/15 | 03/30/15 | 8 | A |
| | SUB-13-00015-NHT-311-A | Shop Drawings: Retaining Wall from Sta.0+690 to Sta.0+708 RHS -Segment B | NHT | S | 02/18/15 | 03/20/15 | 03/02/15 | 12 | B |
| | SUB-13-00015-NHT-312-A | Test certificates of TorqBolt fasteners -As per CMC comments on Submittal No. SUB-13-00015-NHT-125-A | NHT | P | 02/19/15 | 03/21/15 | 03/10/15 | 19 | A |
| | SUB-13-00015-NHT-313-A | Flanges test certificates-As per CMC comments on Submittals: SUB-13-00015-NHT-174-A and SUB-13-00015-NHT-051-B | NHT | P | 02/19/15 | 03/21/15 | 03/10/15 | 19 | A |
| | SUB-13-00015-NHT-314-A | 600mm clear opening Steel Cover for 2" Manhole - Al Haddad factory - BOQ item 5.11.1 | NHT | M | 02/26/15 | 03/28/15 | 03/04/15 | 6 | B |
| | SUB-13-00015-NHT-315-A | Draft As Built Drawing for : Box Culverts, Retaining Walls and shuttering Walls from Sta.A0+000 to Sta.A1+400 -Segment A and for Boundary Walls, Retaining Walls at Segment B | NHT | AS | 03/01/15 | 03/31/15 | 03/24/15 | 23 | C |
| | SUB-13-00015-NHT-316-A | Shop Drawings: Structural and Mechanical Detail for Combined 75mm Washout and 50mm Washout at Sta.6+200 | NHT | S | 03/01/15 | 03/31/15 | 03/18/15 | 17 | C |
| | SUB-13-00015-NHT-316-B | Shop Drawings: Structural and Mechanical Detail for 75mm Washout at Sta.6+200 | NHT | S | 03/22/15 | 04/21/15 | 04/20/15 | 29 | B |
| | SUB-13-00015-NHT-317-A | Shop Drawings: Retaining Wall from Sta.7+206 to Sta.7+217.42 LHS -Segment A | NHT | S | 03/08/15 | 04/07/15 | 03/18/15 | 10 | B |
| | SUB-13-00015-NHT-318-A | Dilapidation Survey- Husan Internal Roads | NHT | P | 03/11/15 | 04/10/15 | 03/30/15 | 19 | B |
| | SUB-13-00015-NHT-319-A | Risk Management Program- Husan Internal Roads | NHT | P | 03/11/15 | 04/10/15 | 03/30/15 | 19 | B |
| | SUB-13-00015-NHT-320-A | Shop Drawings: Retaining Wall from Sta. 5+697 to Sta.5+773 LHS | NHT | S | 03/18/15 | 04/17/15 | 04/02/15 | 15 | B |
| | SUB-13-00015-NHT-321-A | Shop Drawings: Structural and Mechanical detail for Nahaleen Connection Chamber and Nahaleen PRV at Sta.E0+460 -Segment E | NHT | S | 03/18/15 | 04/17/15 | 04/08/15 | 21 | B |
| | SUB-13-00015-NHT-322-A | Draft As Built Drawings for Retaining Walls , Boundary Walls for Segment E | NHT | AS | 03/22/15 | 04/21/15 | 04/15/15 | 24 | C |
| | SUB-13-00015-NHT-323-A | Flange adaptor - Steel pipe to Ductile Iron Pipe | NHT | M | 03/23/15 | 04/22/15 | 3/30/2015 | 7 | C |
| | SUB-13-00015-NHT-323-B | Flange adaptor - Steel pipe to Ductile Iron Pipe | NHT | M | 04/21/15 | 05/21/15 | | PE | |
| | SUB-13-00015-NHT-324-A | Shop Drawings: Plan , Profile and Typical Section from Sta.0+000 to Sta.0+510 - including thermal expansion joints details and locations - Segment D | NHT | S | 03/23/15 | 04/22/15 | 4/6/2015 | 14 | B |

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| | SUB-13-00015-NHT-325-A | Shop Drawings: Above Ground 100mm ARV at Sta.0+107-Segment D | NHT | S | 03/23/15 | 04/22/15 | 4/6/2015 | 14 | B |
| | SUB-13-00015-NHT-326-A | Orifice plate calculations -as per CMC comments on Submittal No. SUB-13-00015-NHT-080-A | NHT | M | 03/29/15 | 04/28/15 | 04/08/15 | 10 | A |
| | SUB-13-00015-NHT-327-A | Test certificates for Nahaleen Gate Valves-TRL | NHT | M | 03/29/15 | 04/28/15 | 04/08/15 | 10 | A |
| | SUB-13-00015-NHT-328-A | Test certificates for ball valves | NHT | M | 03/29/15 | 04/28/15 | 04/08/15 | 10 | A |
| | SUB-13-00015-NHT-329-A | Shop Drawings: One Side Shuttering Wall from Sta.7+651.68 to Sta.7+755 LHS | NHT | S | 03/30/15 | 04/29/15 | 04/06/15 | 7 | B |
| | SUB-13-00015-NHT-329-B | Shop Drawings: One Side Shuttering Wall from Sta.7+651.68 to Sta.7+730 LHS & Conc. Gravity Wall from Sta. 7+730 to Sta. 7+755 LHS-**For Engineering Record** | NHT | S | 04/13/15 | 05/13/15 | 04/15/15 | 2 | A |
| | SUB-13-00015-NHT-330-A | Test certificates for Check Valves | NHT | M | 04/01/15 | 05/01/15 | 04/08/15 | 7 | B |
| | SUB-13-00015-NHT-331-A | Shop Drawings: Mechanical Detail for Nahaleen Connection Point at Sta.0+000 -Segment D | NHT | S | 04/01/15 | 05/01/15 | 04/26/15 | 25 | C |
| | SUB-13-00015-NHT-332-A | Updated Construction Schedule and S Curve (March 31,2015) | NHT | SCH | 04/07/15 | 05/07/15 | 04/15/15 | 8 | B |
| | SUB-13-00015-NHT-332-B | Updated Construction Schedule and S Curve (March 31,2015) - For Engineering Record | NHT | SCH | 04/21/15 | 05/21/15 | 04/23/15 | 2 | B |
| | SUB-13-00015-NHT-333-A | Certificate of Compliance for TRL-Gate valve. | NHT | M | 04/13/15 | 05/13/15 | 04/20/15 | 7 | B |
| | SUB-13-00015-NHT-334-A | Compliance and test Certificates for ARI air valves | NHT | M | 04/19/15 | 05/19/15 | 04/26/15 | 7 | A |
| | SUB-13-00015-NHT-335-A | T.O.15- Training Outline | NHT | PC | 04/19/15 | 05/19/15 | 04/26/15 | 7 | C |
| | SUB-13-00015-NHT-336-A | Shop Drawings: Boundary Wall from Sta.7+509.3 to Sta.7+534.8 LHS and Boundary Wall from Sta.7+675.4 to Sta.7+687.5 RHS -Segment A | NHT | S | 04/20/15 | 05/20/15 | | PE | |
| | SUB-13-00015-NHT-337-A | Coating paint to protect exposed pipes inside manholes - Nitcote EPU | NHT | M | 04/22/15 | 05/22/15 | 04/29/15 | 7 | D |
| | SUB-13-00015-NHT-340-A | Sealant joint material - Nitoseal PU40 - second alternative | NHT | M | 04/29/15 | 05/29/15 | | PE | |

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

p= preconstruction - S= Shop drawings - M= Materials -O= Others - PC= Post Construction

**USAID WEST BANK/ GAZA**
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| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-001-A | Bearing capacity test report for soil under foundation of retaining wall RHS from Sta. A0+125 to Sta.A 0+205- ST/14039 | NHT | 04/01/14 | 05/01/14 | 04/01/14 | 0 | B |
| | TEST-13-00015-NHT-002-A | soil slope stability report from Sta. A0+000 to Sta. A1+440- GT 14/003 | NHT | 04/14/14 | 05/14/14 | 04/20/14 | 6 | B |
| | TEST-13-00015-NHT-003-A | Reinforcement steel test for retaining wall of(RHS) from Sta.A0+125 to Sta. A0+205-BM/STL/14026 | NHT | 04/14/14 | 04/20/14 | 04/16/14 | 2 | A |
| | TEST-13-00015-NHT-004-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta. A0+168.5 to Sta. A0+205 at RHS- TC-14/35/A | NHT | 04/23/14 | 05/23/14 | 04/28/14 | 5 | A |
| | TEST-13-00015-NHT-005-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta. E1+100 to Sta. E1+116 at LHS- TC-14/335R/A | NHT | 04/23/14 | 05/23/14 | 04/28/14 | 5 | A |
| | TEST-13-00015-NHT-006-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta. A0+144 to Sta.A 0+155 at RHS-TC-14/347/A | NHT | 04/27/14 | 05/27/14 | 04/28/14 | 1 | A |
| | TEST-13-00015-NHT-007-A | Test report for concrete cube compressive strength of stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at RHS- TC-14/350/A | NHT | 04/29/14 | 05/29/14 | 05/04/14 | 5 | A |
| | TEST-13-00015-NHT-008-A | Field density and degree of compaction for fourth layer of benching from Sta. A0+240 to Sta. A0+360 at RHS- TFD/14-161 | NHT | 05/07/14 | 06/06/14 | 05/12/14 | 5 | A |
| | TEST-13-00015-NHT-009-A | Test for soil classification and modified proctor for first layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TB/14-145 | NHT | 05/01/14 | 05/31/14 | 05/04/14 | 3 | A |
| | TEST-13-00015-NHT-010-A | Test for field density of compaction fro first layer of benching at RHS from Sta.A 0+240 to Sta.A 0+360- TFD/14-148 | NHT | 05/01/14 | 05/31/14 | 05/04/14 | 3 | A |
| | TEST-13-00015-NHT-011-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+125 to Sta.A 0+131 at RHS-TC-14/380/A | NHT | 05/05/14 | 06/04/14 | 05/06/14 | 1 | D |
| | TEST-13-00015-NHT-011-B | Test report for concrete compressive strength for seven days and (28 days) for foundation of retaining wall from Sta.A 0+125 to Sta.A 0+131 at RHS –TC-14/380/A & TC-14/380/B | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-012-A | Test report for field density and degree of compaction for second layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS-TFD/14-159 | NHT | 05/05/14 | 06/04/14 | 05/06/14 | 1 | A |
| | TEST-13-00015-NHT-013-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+155 to Sta.A 0+168.5 at RHS-TC-14/337/A | NHT | 05/05/14 | 06/04/14 | 05/06/14 | 1 | A |
| | TEST-13-00015-NHT-014-A | Field density and degree of compaction for third layer of benching from Sta.A 0+240 to Sta.A 0+370 at RHS-TFD/14-160 | NHT | 05/05/14 | 06/04/14 | 05/08/14 | 3 | A |
| | TEST-13-00015-NHT-015-A | Test report for concrete cube compressive strength for foundation of retaining wall from Sta.A 0+131 to Sta.A 0+144 at RHS-TC-14/364/A | NHT | 05/07/14 | 06/06/14 | 05/08/14 | 1 | A |
| | TEST-13-00015-NHT-016-A | Field density and degree of compaction for fourth layer of benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-161 | NHT | 05/08/14 | 06/07/14 | 05/12/14 | 4 | E |
| | TEST-13-00015-NHT-017-A | Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+144 to Sta.A 0+157 at RHS-TC-14/401/A | NHT | 05/11/14 | 06/10/14 | 05/20/14 | 9 | A |

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| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-018-A | Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+125 to Sta.A 0+131 and from Sta.A 0+195 to Sta.A 0+205 at RHS-TC-14/412/A | NHT | 05/14/14 | 06/13/14 | 05/19/14 | 5 | A |
| | TEST-13-00015-NHT-019-A | Test report for concrete cube compressive strength(28 days) for foundation of Retaining Wall from Sta.E 1+100 to Sta.E 1+116-TC-14/335/B | NHT | 05/18/14 | 06/17/14 | 05/27/14 | 9 | A |
| | TEST-13-00015-NHT-020-A | Test report for concrete cube compressive strength for Stem of Retaining Wall from Sta.A 0+131to Sta.A 0+144 and from Sta.A 0+157 to Sta.A 0+169 at RHS For stone wall protection up to 60 cm high from Sta.A 0+488 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS -TC-14/441/A | NHT | 05/21/14 | 06/20/14 | 05/22/14 | 1 | A |
| | TEST-13-00015-NHT-021-A | Test report for field density and compaction degree for fifth layer of Benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-186 | NHT | 05/21/14 | 06/20/14 | 05/22/14 | 1 | C |
| | TEST-13-00015-NHT-021-B | Test report for field density and compaction degree for fifth layer of Benching from Sta.A 0+240 to Sta.A 0+360 at RHS-TFD/14-186 | NHT | 05/26/14 | 06/25/14 | 05/27/14 | 1 | A |
| | TEST-13-00015-NHT-022-A | Test report for modified Proctor for fifth layer of Benching form Sta.A 0+240 to Sta.A 0+360 at RHS-TB/14-163 | NHT | 05/21/14 | 06/20/14 | 05/26/14 | 5 | A |
| | TEST-13-00015-NHT-023-A | Test report for concrete cube compressive strength (28 days) for stem of retaining wall from Sta.E 1+100 to Sta.E 1+116 at LHS-TC-14/35/B | NHT | 05/26/14 | 06/25/14 | 05/27/14 | 1 | A |
| | TEST-13-00015-NHT-024-A | Test report for concrete compressive strength of one side shutter for stone wall protection up to 60 cm from Sta.A 0+547 to Sta.A 0+554 up to1.2 m from Sta.A 0+564 to Sta.A 0+574, & up to 1.80 m from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS -TC-14/461/A | NHT | 05/26/14 | 06/25/14 | 05/27/14 | 1 | A |
| | TEST-13-00015-NHT-025-A | Test report for concrete compressive strength of one side shutter for stone wall protection up to 1.2 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS -TC-14/452/A | NHT | 05/26/14 | 06/25/14 | 05/27/14 | 1 | A |
| | TEST-13-00015-NHT-026-A | Test report for concrete compressive strength of one side shutter for stone wall protection up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574 , up to2.4 high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 & up to 0.6 m high from Sta. A 0+547 to Sta.A 0+554 at LHS -TC-14/462/A | NHT | 05/26/14 | 06/25/14 | 05/27/14 | 1 | A |
| | TEST-13-00015-NHT-027-A | Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+125 to Sta.A 0+131 at RHS-TC-14/380/B | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |
| | TEST-13-00015-NHT-028-A | Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+131 to Sta.A 0+144 at RHS -TC-14/364/B | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |

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| | TEST-13-00015-NHT-029-A | Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+155 to Sta.A 0+168.5 at RHS-TC-14/337/B | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |
| | TEST-13-00015-NHT-030-A | Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+168.5 to Sta.A 0+205 at RHS-TC-14/335R/B | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |
| | TEST-13-00015-NHT-031-A | Test report for concrete cube compressive strength (28 days) for foundation of retaining wall from Sta.A 0+144 to Sta.A 0+155 at RHS -TC-14/347/B | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |
| | TEST-13-00015-NHT-032-A | Test report for seven days of concrete cube compressive strength for stone wall protection :<br>-Up to 1.8 m high from Sta.A 0+836 to Sta.A 0+846 and Sta.A 0+856 to Sta.A 0+866 at LHS.<br>-Up to 0.6 m high from Sta.A 0+876 to Sta.A 0+886 at LHS.<br>-For stem of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS-TC-14/715/A | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-033-A | Test report for concrete cube compressive strength (7days) for one side shutter of stone wall protection up to 1.8 high from Sta.A 0+564 to Sta.A 0+574, up to 3 m high form Sta.A 0+484 to Sta.A 0+494, from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534, up to 1.2 m from Sta.A 0+547 to Sta. A 0+554 at LHS - TC-14/466/A | NHT | 05/27/14 | 06/26/14 | 05/31/14 | 4 | A |
| | TEST-13-00015-NHT-034-A | Test report for field density and degree of compaction for first layer of Backfilling for internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205 at RHS-TFD/14-213 | NHT | 06/04/14 | 07/04/14 | 06/08/14 | 4 | A |
| | TEST-13-00015-NHT-035-A | Test report for modified proctor for Backfilling of internal face of retaining wall from Sta.A 0+170 to Sta.A 0+205 at RHS-TB/14-188 | NHT | 06/04/14 | 07/04/14 | 06/16/14 | 12 | A |
| | TEST-13-00015-NHT-036-A | Test report for concrete cube compressive strength for stone wall protection (7 days)- up to 60 cm high from Sta.A 0+514 to Sta.A 0+524 , up to 4 m high from Sta.A 0+484 to Sta.A 0+494, up to 2.4 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS-TC-14/502/A | NHT | 06/04/14 | 07/04/14 | 06/08/14 | 4 | A |
| | TEST-13-00015-NHT-037-A | Soil testing and Geotechnical analyses report for Box Culvert at Sta.A 0+590-ST/14062 | NHT | 06/04/14 | 07/04/14 | 06/09/14 | 5 | A |
| | TEST-13-00015-NHT-038-A | Test report for concrete cube compressive strength (28 days) for Stem Of Retaining Wall from Sta.A 0+125 to Sta.A 0+131 and from Sta.A 0+195 to Sta.A 0+205 at RHS-TC-14/12/B | NHT | 06/07/14 | 07/07/14 | 06/08/14 | 1 | A |
| | TEST-13-00015-NHT-039-A | Test report for concrete compressive strength (28 days) for Stem Of Retaining Wall from Sta.A 0+144 to Sta.A 0+157 at RHS-TC-14/401/B | NHT | 06/07/14 | 07/07/14 | 06/08/14 | 1 | A |

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| | TEST-13-00015-NHT-040-A | Test report for concrete cube compressive strength (7 days) :<br>- Up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS<br>-Up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644, from Sta.A 0+654 to Sta.A 0+664 at LHS<br>- Up to 1.2 m high from Sta.A 0+534 to Sta.A 0+544, from Sta.A 0+554 to Sta.A 0+564 at LHS<br>-Up to1.8 high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/504/A | NHT | 06/07/14 | 07/07/14 | 06/08/14 | 1 | A |
| | TEST-13-00015-NHT-041-A | Test report for concrete compressive strength (7 days) :<br>-Up to 60 cm high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644, from Sta.A 0+654 to Sta.A 0+664 at LHS<br>-Up to 60 cm high from Sta.A 0+534to Sta.A 0+544, from Sta. A 0+554 to Sta.A 0+564 at LHS<br>-Up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/503/A | NHT | 06/07/14 | 07/07/14 | 06/08/14 | 1 | A |
| | TEST-13-00015-NHT-042-A | Test report for concrete core for Stem Of Retaining Wall from Sta.A 0+168 to Sta.A 0+195-TCC/14-018 | NHT | 06/08/14 | 07/08/14 | 06/12/14 | 4 | A |
| | TEST-13-00015-NHT-043-A | Test report for bedding materials (Somsom) at Sta.A 3+950 at RHS-TA/14/018 | NHT | 06/08/14 | 07/08/14 | 06/09/14 | 1 | A |
| | TEST-13-00015-NHT-044-A | Test report for single size at Sta.A 3+950 at RHS-TA/14/017 | NHT | 06/08/14 | 07/08/14 | 06/09/14 | 1 | A |
| | TEST-13-00015-NHT-045-A | Test report for concrete compressive strength for one side shutter of stone wall protection up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504 , up to 3.0 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3.6 m high from Sta.A 0+514 to Sta.A 0+524 at LHS, up to 1.8 high from Sta.A 0+674 to Sta.A 0+684 at LHS -TC-14/556/A | NHT | 06/10/14 | 07/10/14 | 06/11/14 | 1 | A |
| | TEST-13-00015-NHT-046-A | Test report for modified proctor of base course under foundation of box culvert and adjacent retaining walls at Sta.A0+590 -TB/14-193 | NHT | 06/10/14 | 07/10/14 | 06/18/14 | 8 | A |
| | TEST-13-00015-NHT-047-A | Test report for field density of first layer of base course under foundation of box culvert and adjacent retaining walls at Sta.A0+590 -TFD/14-219 | NHT | 06/10/14 | 07/10/14 | 06/18/14 | 8 | A |
| | TEST-13-00015-NHT-048-A | Test report for field density of second layer of base coarse under foundation of box culvert and adjacent retaining walls at sta.A0+590 -TFD/14-220 | NHT | 06/10/14 | 07/10/14 | 06/18/14 | 8 | A |
| | TEST-13-00015-NHT-049-A | Test report for field density of second layer of backfilling at the internal face of retaining wall from Sta.A0+160 to Sta.A0+205 at RHS -TFD/14-214 | NHT | 06/10/14 | 07/10/14 | 06/18/14 | 8 | A |

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| | TEST-13-00015-NHT-050-A | Test report for concrete cube compressive strength (7 day) up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS ,up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS, up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS, up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/506/A | NHT | 06/10/14 | 07/10/14 | 06/11/14 | 1 | A |
| | TEST-13-00015-NHT-051-A | Test report for seven days of concrete cubic compressive strength for stone wall protection up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 , up 2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS ,up to 1.2 m high from Sta.A 0+494 to Sta.A 0+504 , up to 1.8 m high from Sta.A 0+614 to Sta.A 0+624 & from Sta.A 0+654 to Sta.A 0+664 at LHS and up to 60 cm high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/510/A | NHT | 06/12/14 | 07/12/14 | 06/14/14 | 2 | A |
| | TEST-13-00015-NHT-052-A | Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection:<br>- up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS<br>-up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504, up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS ,up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/557/A | NHT | 06/12/14 | 07/12/14 | 06/14/14 | 2 | A |
| | TEST-13-00015-NHT-053-A | Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection:<br>-Up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS<br>-Up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/558/A | NHT | 06/12/14 | 07/12/14 | 06/14/14 | 2 | A |
| | TEST-13-00015-NHT-054-A | Test report for seven days of concrete cube compressive strength for one side shutter of stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654, from Sta.A 0+664 to Sta.A 0+674 at LHS<br>-Up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS-TC-14/559/A | NHT | 06/12/14 | 07/12/14 | 06/14/14 | 2 | A |
| | TEST-13-00015-NHT-055-A | Test report for field density and degree of compaction for third layer of Backfilling for the internal face of Retaining Wall from Sta.A 0+160 to Sta.A 0+205 at RHS-TFD/14-225 | NHT | 06/12/14 | 07/12/14 | 06/14/14 | 2 | A |

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| | TEST-13-00015-NHT-056-A | Test report for(28 days) concrete compressive strength :<br>-For stem of retaining wall from Sta.A 0+157 to Sta.A 0+169, from Sta.A 0+131 to Sta.A 0+144 at RHS<br>-For one side shutter of stone wall protection up to 60 cm high from Sta.A 0+488 to Sta.A 0+496 , from Sta.A 0+506 to Sta.A 0+516 and from Sta.A 0+526 to Sta.A 0+536 at LHS-TC-14/441/B | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-057-A | Test report for(28 days) concrete compressive strength :<br>-For one side shutter of stone wall protection up to 1.2 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS-TC-14/452/B | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-058-A | Test report for seven days concrete compressive strength for blinding concrete under concrete support at segment D-TC-14/505/A | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-059-A | Test report for seven days concrete compressive strength for Stone Wall Protection:<br>-Up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714 at LHS<br>-Up to 2.4 m high from Sta.A 0+717 to Sta.A 0+734 at LHS<br>-Up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 764 to Sta.A 0+774 at LHS-TC-14/567/A | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-060-A | Test report for Bedding materials( Somsom) from Sta.A 4+200 to Sta.A 4+700 at RHS-TA/14/019 | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-061-A | Test report for Single Size material from Sta.A 4+200 to Sta.A 4+700 at RHS-TA/14/020 | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-062-A | Test report for field density and degree of compaction for first and second layer of Base Course under foundation of Box Culvert at Sta.A 0+951.60 at LHS-TFD/14-224 | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-063-A | Test report for field density and degree of compaction for the fourth layer of Backfilling of internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-228 | NHT | 06/14/14 | 07/14/14 | 06/16/14 | 2 | A |
| | TEST-13-00015-NHT-064-A | Test report for (28 days)of concrete cube compressive strength for one side shutter of concrete protection :<br>-up to 1.8 m high from Sta.A 0+484 to Sta.A 0+494, from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS<br>-Up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574at LHS<br>-Up to 60 cm high from Sta.A 0+546.5 to Sta.A 0+554 at LHS-TC-14/461/B | NHT | 06/17/14 | 07/17/14 | 06/19/14 | 2 | A |

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| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-065-A | Test report for (28 days)of concrete cube compressive strength for one side shutter of concrete protection :<br>-up to 1.2 m high from Sta.A 0+564 to Sta.A 0+574 at LHS<br>-up to 2.4 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 , from Sta.A 0+524 to Sta.A 0+534 at LHS<br>- up to 0.6 m high from Sta.A 0+547 to Sta.A 0+554 at LHS-TC-14/462/B | NHT | 06/17/14 | 07/17/14 | 06/19/14 | 2 | A |
| | TEST-13-00015-NHT-066-A | Test report for seven days of concrete cube compressive strength for one side shutter of concrete protection :<br>-Up to 1.2 m high from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS<br>-Up to 60 cm high from Sta.A 0+764 to Sta.A 0+774 at LHS-TC-14/560/A | NHT | 06/17/14 | 07/17/14 | 06/19/14 | 2 | A |
| | TEST-13-00015-NHT-067-A | Test report for seven days of concrete cube compressive strength for one side shutter of concrete protection :<br>-Up to 3.6 m high from Sta.A 0+717 to Sta.A 0+734 at LHS<br>-Up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS<br>-Up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS-TC-14/577/A | NHT | 06/17/14 | 07/17/14 | 06/19/14 | 2 | A |
| | TEST-13-00015-NHT-068-A | Test report field density and degree of compaction for fifth layer of Backfilling for internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-235 | NHT | 06/21/14 | 07/21/14 | 06/23/14 | 2 | A |
| | TEST-13-00015-NHT-069-A | Test report field density and degree of compaction for sixth layer of Backfilling for internal face of Retaining Wall from Sta.A 0+144 to Sta.A 0+205 at RHS-TFD/14-241 | NHT | 06/21/14 | 07/21/14 | 06/23/14 | 2 | A |
| | TEST-13-00015-NHT-070-A | Test report for (28 days) of concrete compressive strength for stone wall protection :<br>-Up to 60 cm high from Sta.A 0+514 to Sta.A 0+524 at LHS<br>-Up to 4.00 m high from Sta.A 0+484 to Sta.A 0+494 at LHS<br>-Up to 2.40 m high from Sta.A 0+544 to Sta.A 0+554 and from Sta.A 0+564 to Sta.A 0+574 at LHS-TC-14/502/B | NHT | 06/22/14 | 07/22/14 | 06/23/14 | 1 | A |
| | TEST-13-00015-NHT-071-A | Test report for seven days of concrete compressive strength for stone wall protection :<br>-Up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS<br>-Up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS-TC-14/586/A | NHT | 06/22/14 | 07/22/14 | 06/23/14 | 1 | A |
| | TEST-13-00015-NHT-072-A | Test report for field density and degree of compaction for first layer of the base course road from Sta.A 3+920 to Sta.A 4+050 at RHS at Sta.A 3+960 and Sta.A 4+020-TFD/14-234 | NHT | 06/24/14 | 07/24/14 | 07/02/14 | 8 | A |

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| | TEST-13-00015-NHT-073-A | Test report for field density and degree of compaction for first layer of the base course road from Sta.A 4+120 to Sta.A 4+250 at RHS-TFD/14-243 | NHT | 06/24/14 | 07/24/14 | 06/26/14 | 2 | A |
| | TEST-13-00015-NHT-074-A | Test report for the Base Course material at Stock Pile (from Morra Crusher) - TB/14/202 | NHT | 06/24/14 | 07/24/14 | 06/26/14 | 2 | C |
| | TEST-13-00015-NHT-074-B | Test report for the Base Course material at Stock Pile (from Morra Crusher) & for Gradation (Sieve analyses) of Base Course material that delivered from Morra Crusher-TB/14/202 & TB/14-216 | NHT | 08/04/14 | 09/03/14 | 08/05/14 | 1 | A |
| | TEST-13-00015-NHT-075-A | Test report for (28 Days) of concrete cube compressive strength for stone wall protection :<br>-Up to 60 cm from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS &<br>-Up to 1.2 m from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/503/B | NHT | 06/24/14 | 07/24/14 | 06/26/14 | 2 | A |
| | TEST-13-00015-NHT-076-A | Test report for single size material of water pipe trench from Sta.A 2+700 to Sta.A 3+200 at RHS-TA/14/021 | NHT | 06/25/14 | 07/25/14 | 06/29/14 | 4 | A |
| | TEST-13-00015-NHT-077-A | Test report for Bedding material ( Somsom) of water trench from Sta.A 2+700 to Sta.A 3+200 at RHS at Sta.A 2+800 -TA/14/022 | NHT | 06/25/14 | 07/25/14 | 06/29/14 | 4 | A |
| | TEST-13-00015-NHT-078-A | Test report for Bedding material ( Somsom) of water trench from Sta.A 4+200 to Sta.A 4+700 at RHS at Sta.A 4+300 -TA/14/024 | NHT | 06/25/14 | 07/25/14 | 06/29/14 | 4 | A |
| | TEST-13-00015-NHT-079-A | Test report for single size and Bedding material (Somsom) for water trench from Sta.A 4+700 to Sta.A 5+200 at RHS at Sta.A 4+800-TA/14/023 | NHT | 06/25/14 | 07/25/14 | 07/02/14 | 7 | A |
| | TEST-13-00015-NHT-080-A | Test report for (28 days) of concrete cube compressive strength of stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS , from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 and from Sta.A 0+654 to Sta.A 0+664 at LHS<br>-Up to2.4 m high from Sta.A 0+514 to Sta.A 0+524 at LHS<br>-Up to 1.2 high from Sta.A 0+494 to Sta.A 0+504 at LHS<br>- Up to 60 cm from Sta.A 0+674 to Sta.A 0+684 at LHS<br>TC-14/510/B | NHT | 06/25/14 | 07/25/14 | 07/02/14 | 7 | A |
| | TEST-13-00015-NHT-081-A | Test report for (28 days) of concrete cube compressive strength for blinding concrete under concrete support-segment D-TC-14/505/B | NHT | 06/25/14 | 07/25/14 | 06/26/14 | 1 | A |

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| | TEST-13-00015-NHT-082-A | Test report for (28 days) of concrete cube compressive strength of stone wall protection:<br>-Up to 1.2 m high from Sta.A 0+614 to Sta.A 0+624, from Sta.A 0+634 to Sta.A 0+644 ,from Sta.A 0+654 to Sta.A 0+664, from Sta.A 0+534 to Sta.0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS<br>-Up to 60 cm high from Sta.A 0+494 to Sta.A 0+504 at LHS<br>-Up to 1.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/504/B | NHT | 06/25/14 | 07/25/14 | 06/26/14 | 1 | A |
| | TEST-13-00015-NHT-083-A | Test report for (seven days) of concrete cube compressive strength of stone wall protection:<br>-Up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS<br>-Up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS-TC-14/585/A | NHT | 06/25/14 | 07/25/14 | 06/26/14 | 1 | A |
| | TEST-13-00015-NHT-084-A | Test report for (seven days) of concrete cube compressive strength for concrete blinding Box Culvert at Sta.A 0+590 -TC-14/584/A | NHT | 06/25/14 | 07/25/14 | 06/26/14 | 1 | A |
| | TEST-13-00015-NHT-085-A | Test report for (seven days) of concrete cube compressive strength of Stone Wall protection:<br>-Up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS<br>-Up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS TC/14/597/A | NHT | 06/26/14 | 07/26/14 | 06/30/14 | 4 | A |
| | TEST-13-00015-NHT-086-A | Test report for (seven days) of concrete cube compressive strength of:<br>-foundation of Retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS , from Sta.A 0+585 to Sta.A 0+595 at RHS<br>-Foundation Box Culvert at Sta.A 0+590<br>-Stone Wall Protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS-TC-14/598/A | NHT | 06/26/14 | 07/26/14 | 06/30/14 | 4 | A |
| | TEST-13-00015-NHT-087-A | Test report for (seven days) of concrete cube compressive strength of stone wall protection :<br>-Up to 60 cm high from Sta.A 0+734 to Sta.A 0+744<br>-Up to 1.2 m high from Sta.A 0+714 to Sta.A 0+717 at LHS-TC-14/626/A | NHT | 06/26/14 | 07/26/14 | 06/30/14 | 4 | A |
| | TEST-13-00015-NHT-088-A | Test report for (seven days) of concrete cube compressive strength:<br>-For box culvert At Sta.A 0+591.60<br>-For stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS and up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS-TC-14/628/A | NHT | 06/26/14 | 07/26/14 | 06/30/14 | 4 | A |

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| | TEST-13-00015-NHT-089-A | Test report for (seven days) of concrete cube compressive strength of stone wall protection:<br>-Up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 at LHS<br>-Up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS<br>-Up to 60 cm high from Sta.A 0+774 to Sta.A 0+781 & from Sta.A 0+781 to Sta.A 0+790 at LHS-TC-14/627/A | NHT | 06/29/14 | 07/29/14 | 06/30/14 | 1 | A |
| | TEST-13-00015-NHT-090-A | Test report for Field density and Degree of compaction for Sub Grade of widening road from Sta.A 3+920 to Sta.A 4+050 at Sta.A 4+010 at RHS-TFD/14-255 | NHT | 06/29/14 | 07/29/14 | 06/30/14 | 1 | A |
| | TEST-13-00015-NHT-091-A | Test report of Modified proctor for Sub Grade materials for road widening from Sta.A 3+920 to Sta.A 4+050 at RHS-TB/14-212 | NHT | 06/29/14 | 07/29/14 | 06/30/14 | 1 | A |
| | TEST-13-00015-NHT-092-A | Test report of Modified proctor for Sub Grade materials for road widening from Sta.A 3+920 to Sta.A 4+050 at RHS-TB/14-213 | NHT | 06/29/14 | 07/29/14 | 06/30/14 | 1 | A |
| | TEST-13-00015-NHT-093-A | Test report for Field density and degree of compaction for Sub Grade road widening from Sta.A 4+120 to Sta.A 4+250 at Sta.A 4+200 and Sta.A 4+160 at RHS-TFD/14-256 | NHT | 06/29/14 | 07/29/14 | 06/30/14 | 1 | A |
| | TEST-13-00015-NHT-094-A | Test report for soil material classification of road sub grade layer from Sta.A 2+780 to Sta.A 3+100-TB/14-207 | NHT | 07/03/14 | 08/02/14 | 07/07/14 | 4 | A |
| | TEST-13-00015-NHT-095-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 0+494 to Sta.A 0+504<br>-Up to 3.0 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS<br>-Up to 3.60 m high from Sta.A 0+514 to Sta.A 0+524 at LHS<br>-Up to 1.8 m high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/556/B | NHT | 07/06/14 | 08/05/14 | 07/07/14 | 1 | A |
| | TEST-13-00015-NHT-096-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-up to 60 cm high from Sta.A 0+624 to Sta.A 0+634 ,from Sta.A 0+644 to Sta.A 0+654 , from Sta.A 0+664 to Sta.A 0+674 , and from Sta.A0+717 to Sta.A0+730 at LHS<br>-up to 3.0 m high from Sta.A 0+494 to Sta.A 0+504<br>-up to 3.6 m high ,from Sta.A 0+554 to Sta.A 0+564 at LHS<br>-up to 4.20 m high from Sta.A 0+514 to Sta.A 0+524 at LHS-TC-14/557/B | NHT | 07/06/14 | 08/05/14 | 07/07/14 | 1 | A |

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| | TEST-13-00015-NHT-097-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>- up to 1.2 m high from Sta.A 0+624 to Sta.A 0+634 , from Sta.A 0+644 to Sta.A 0+654 and from Sta.A 0+664 to Sta.A 0+674 at LHS<br>- up to 4.8 m high from Sta.A 0+514 to Sta.A 0+524 at LHSTC-14/558/B | NHT | 07/06/14 | 08/05/14 | 07/07/14 | 1 | A |
| | TEST-13-00015-NHT-098-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>- up to 1.8 m high from Sta.A 0+624 to Sta.A 0+634, from Sta.A 0+644 to Sta.A 0+654, from Sta.A 0+664 to Sta.A 0+674 at LHS<br>-up to 60 cm from Sta.A 0+704 to Sta.A 0+714 at LHS-TC-14/559/B | NHT | 07/06/14 | 08/05/14 | 07/07/14 | 1 | A |
| | TEST-13-00015-NHT-099-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-up to 1.2 m high from Sta.A 0+704 to Sta.A 0+714 and from Sta.A 0+724 to Sta.A 0+734 at LHS<br>- up to 1.8 m high from Sta.A 0+714 to Sta.A 0+724 & from Sta.A 0+724 to Sta.A 0+734 at LHS<br>-up to 60 cm high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 To Sta.A 0+774 at LHS-TC-14/560/B | NHT | 07/06/14 | 08/05/14 | 07/08/14 | 2 | A |
| | TEST-13-00015-NHT-100-A | Test report for seven days of concrete cube compressive strength for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+950 & Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS-TC-14/629/A | | 07/06/14 | 08/05/14 | 07/08/14 | 2 | A |
| | TEST-13-00015-NHT-101-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS<br>-Up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS-TC-14/630/A | NHT | 07/06/14 | 08/05/14 | 07/08/14 | 2 | A |
| | TEST-13-00015-NHT-102-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>- up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS<br>-up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS-TC-14/631/A | NHT | 07/06/14 | 08/05/14 | 07/08/14 | 2 | A |
| | TEST-13-00015-NHT-103-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS<br>-For Retaining Wall from Sta.A 0+600 to Sta.A 0+614 at LHS-TC-14/670/A | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |
| | TEST-13-00015-NHT-104-A | Test report for seven days of concrete cube compressive strength for Roof of Box Culvert at Sta.A 0+591.60-TC-14/668/A | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |

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| | TEST-13-00015-NHT-105-A | Test report of field density and degree of compaction for sub grade material of road widening from Sta.A 4+250 to Sta.A 4+380 at Sta.A 4+350 and Sta.A 4+300 at RHS-TFD/14-264 | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |
| | TEST-13-00015-NHT-106-A | Test report for Gradation (Sieve analyses) of Base Course material that delivered from Morra Crusher-TB/14-216 | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |
| | TEST-13-00015-NHT-107-A | Test report for modified proctor of road widening from Sta.A 3+700 to Sta.A 3+820 at RHS-TB/14-217 | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |
| | TEST-13-00015-NHT-108-A | Test report for field density and degree of compaction for road widening from Sta.A 3+740 to Sta.A 3+820 at Sta.A 3+800 at RHS-TFD/14-258 | NHT | 07/06/14 | 08/05/14 | 07/09/14 | 3 | A |
| | TEST-13-00015-NHT-109-A | Test report for field density and degree of compaction for first layer base course from Sta.A 4+250 to Sta.A 4+380 at Sta.A 4+280 and Sta.A 4+380 at RHS-TFD/14-273 | NHT | 07/07/14 | 08/06/14 | 07/16/14 | 9 | C |
| | TEST-13-00015-NHT-109-B | Re- test the failure sample for field density and degree of compaction for first layer base course from Sta.A 4+250 to Sta.A 4+380 at RHS at Sta.A 4+280 and Sta.A 4+360-TFD/14-285 | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | C |
| | TEST-13-00015-NHT-109-C | Re- test the failure sample for field density and degree of compaction for first layer base course from Sta.A 4+250 to Sta.A 4+380 at RHS at Sta.A 4+280 - TFD/14-358 | NHT | 08/23/14 | 09/22/14 | 08/27/14 | 4 | A |
| | TEST-13-00015-NHT-110-A | Test report for single size and bedding material from Sta.A 0+400 to Sta.A 0+900 at Sta.A 0+780 at RHS-TA/14/027 | NHT | 07/07/14 | 08/06/14 | 07/14/14 | 7 | A |
| | TEST-13-00015-NHT-111-A | Test report of sieve analyses for single size and bedding material from Sta.A 5+200 to Sta.A 5+700 at Sta.A 5+250 at RHS-TA/14/026 | NHT | 07/07/14 | 08/06/14 | 07/15/14 | 8 | A |
| | TEST-13-00015-NHT-112-A | Test report for (28 days) of concrete compressive strength for stone wall protection :<br>-Up to 3 m high from Sta.A 0+484 to Sta.A 0+494 , from Sta.A 0+504 to Sta.A 0+514 and from Sta.A 0+524 to Sta.A 0+534 at LHS<br>-Up to 1.8 m high from Sta.A 0+564 to Sta.A 0+574 at LHS<br>-Up to 1.2 m high from Sta.A 0+547 to Sta.A 0+554 at LHS-TC-14/466/B | NHT | 07/08/14 | 08/07/14 | 07/16/14 | 8 | A |
| | TEST-13-00015-NHT-113-A | Test report for (28 days) of concrete compressive strength for stone wall protection :<br>-Up to 3.6 m high from Sta.A 0+714 to Sta.A 0+734 at LHS<br>-Up to 1.8 m high from Sta.A 0+744 to Sta.A 0+754 at LHS<br>-Up to 2.4 m high from Sta.A 0+764 to Sta.A 0+774 at LHS-TTC-14/577/B | NHT | 07/08/14 | 08/07/14 | 07/17/14 | 9 | A |
| | TEST-13-00015-NHT-114-A | Test report for (28 days) of concrete compressive strength for concrete blinding for box culvert at Sta.A 0+590-TC-14/484/B | NHT | 07/08/14 | 08/07/14 | 07/17/14 | 9 | A |

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| | TEST-13-00015-NHT-115-A | Test report for (28 days) of concrete compressive strength for stone wall protection:<br>-Up to 60 cm high from Sta.A 0+754 to Sta.A 0+764 at LHS<br>-Up to 2.4 m high from Sta.A 0+744 to Sta.A 0+754 at LHS-TC-14/585/B | NHT | 07/08/14 | 08/07/14 | 07/17/14 | 9 | A |
| | TEST-13-00015-NHT-116-A | Test report of field density and degree of compaction for seventh layer of backfilling for the internal face of retaining wall from Sta.A 0+144 to Sta.A 0+205 at RHS at Sta.A 0+150 -TFD/14-245 | NHT | 07/08/14 | 08/07/14 | 07/15/14 | 7 | A |
| | TEST-13-00015-NHT-117-A | Test report for seven days of concrete compressive strength for stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806<br>-Up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS-TC-14/687/A | NHT | 07/08/14 | 08/07/14 | 07/16/14 | 8 | A |
| | TEST-13-00015-NHT-118-A | Test report for seven days of concrete compressive strength :<br>-For roof slab of box culvert at Sta.A 0+950<br>-For foundation of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS<br>-For stone wall protection up to 2.40 m high from Sta.A 0+806 to Sta.A 0+816 & up to 60 cm high from Sta.A 0+835 to Sta.A 0+845 , from Sta.A 0+855 to Sta.A 0+866 at LHS-TC-14/688/A | NHT | 07/08/14 | 08/07/14 | 07/16/14 | 8 | A |
| | TEST-13-00015-NHT-119-A | Test report for field density and degree of compaction for backfilling of internal face for retaining wall from Sta.A 0+131 to Sta.A 0+205 at RHS at Sta.A 0+175 and Sta.A 0+200-TFD/14-249 | NHT | 07/08/14 | 08/07/14 | 07/15/14 | 7 | A |
| | TEST-13-00015-NHT-120-A | Test report of modified proctor for backfilling material behind internal face of retaining wall from Sta.A 0+125 to Sta.A 0+205 at RHS-TB/14-210 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | A |
| | TEST-13-00015-NHT-121-A | Test report for field density and degree of compaction for internal face of retaining wall from Sta.A 0+125 to Sta.A 0+205 at RHS at Sta.A 0+160-TFD/14-250 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | A |
| | TEST-13-00015-NHT-122-A | Test report for modified proctor of sub grade material from Sta.A 2+320 to Sta.A 2+600 -TB/14-222 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | A |
| | TEST-13-00015-NHT-123-A | Test report for modified proctor of sub grade material from Sta.A 2+600 to Sta.A 2+900-TB/14-223 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | A |
| | TEST-13-00015-NHT-124-A | Test report for modified proctor of sub grade material from Sta.A 2+900 to Sta.A 3+100-TB/14-224 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | A |
| | TEST-13-00015-NHT-125-A | Test report for field density and degree of compaction for sub grade material from Sta.A 2+320 to Sta.A 3+100-TFD/14-274 | NHT | 07/08/14 | 08/07/14 | 07/14/14 | 6 | C |
| | TEST-13-00015-NHT-125-B | Re- test the failure samples for field density and degree of compaction for sub grade material from Sta.A 2+320 to Sta.A 3+100-TFD/14-286. | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |

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| | TEST-13-00015-NHT-126-A | Test report for (28 days) of concrete cube compressive strength for stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS<br>-Up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+544 to Sta.A 0+564 at LHS<br>-Up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS<br>-Up to 2.4 m high from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS<br>-Up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/506/B | NHT | 07/10/14 | 08/09/14 | 07/22/14 | 12 | A |
| | TEST-13-00015-NHT-127-A | Test report for (28 days) of concrete cube compressive strength for stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+704 to Sta.A 0+714 at LHS<br>-Up to 2.4 m high from Sta.A 0+714 to Sta.A 0+734 at LHS<br>-Up to 1.2 m high from Sta.A 0+744 to Sta.A 0+754 and from Sta.A 0+764 to Sta.A 0+774 at LHS-TC-14/567/B | NHT | 07/10/14 | 08/09/14 | 07/22/14 | 12 | A |
| | TEST-13-00015-NHT-128-A | Test report for seven days of concrete cube compressive strength :<br>-For retaining wall from Sta.A 0+574 to Sta.A 0+600 at LHS and from Sta.A 0+960 to Sta.A 0+970 at RHS<br>-For stem of retaining wall from Sta.A 0+930 to Sta.A 0+940 at RHS<br>-For stone wall protection up to 1.2 m high from Sta.A 0+796 to Sta.A 0+806 at LHS-TC-14/686/A | NHT | 07/10/14 | 08/09/14 | 07/23/14 | 13 | A |
| | TEST-13-00015-NHT-129-A | Test report for seven days of concrete cube compressive strength for stone wall protection :<br>-up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS<br>-up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS-TC-14/669/A | NHT | 07/13/14 | 08/12/14 | 07/23/14 | 10 | A |
| | TEST-13-00015-NHT-130-A | Test report for (28 days) of concrete cube compressive strength :<br>-For foundation of box culvert at Sta.A 0+590<br>-For foundation of retaining wall from Sta.A 0+574 to Sta.A 0+614 at LHS<br>-For stone wall protection up to 2.4 m high from Sta.A 0+754 to Sta.A 0+764 at LHS-TC-14/598/B | NHT | 07/13/14 | 08/12/14 | 07/23/14 | 10 | A |
| | TEST-13-00015-NHT-131-A | Test report for (28 days) of concrete cube compressive strength of stone wall protection:<br>-Up to 1.2 m high from Sta.A 0+734 to Sta.A 0+744 at LHS -up to 1.8 m high from 0+714 to Sta.A 0+717 at LHS<br>-Up to 60 cm high from Sta.A 0+781 to Sta.A 0+790 at LHS<br>-TC-14/627/B | NHT | 07/13/14 | 08/12/14 | 07/23/14 | 10 | A |

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| | TEST-13-00015-NHT-132-A | Test report of field density and degree of compaction for subgrade material from Sta.A 3+620 to Sta.A 3+740 at RHS at Sta.A 3+700 and Sta.A 3+640-TFD/14-290 | NHT | 07/13/14 | 08/12/14 | 07/23/14 | 10 | A |
| | TEST-13-00015-NHT-133-A | Test report for seven days of concrete compressive strength:<br>- For roof slab of box culvert at Sta.A 0+950<br>-For retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS<br>-For stone wall protection up to 2.40 m high from Sta.A 0+806 to Sta.A 0+816, up to 60 cm high from Sta.A 0+835 to Sta.A 0+845 and from Sta.A 0+855 to Sta.A 0+866 at LHS-TC-14/688/A | NHT | 07/14/14 | 08/13/14 | 07/23/14 | 9 | E |
| | TEST-13-00015-NHT-134-A | Test report for (28 days) of concrete compressive strength for stone wall protection :<br>-Up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS<br>-Up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS-TC-14/586/B | NHT | 7/14/2014 | 8/13/2014 | 07/23/14 | 9 | A |
| | TEST-13-00015-NHT-135-A | Test report for (28 days) of concrete cube compressive strength of Stone Wall protection:<br>- up to 3.0 m high from Sta.A 0+744 to Sta.A 0+754 at LHS<br>-up to 1.8 m high from Sta.A 0+754 to Sta.A 0+764 at LHS-TC-14/597/B | NHT | 07/14/14 | 08/13/14 | 07/23/14 | 9 | A |
| | TEST-13-00015-NHT-136-A | Test report for (28 days) of concrete cube compressive strength for stone wall protection:<br>-Up to 1.8 m high from Sta.A 0+494 to Sta.A 0+504 at LHS<br>-Up to 2.4 m high from Sta.A 0+534 to Sta.A 0+544 and from Sta.A 0+554 to Sta.A 0+564 at LHS, up to 3 m high from Sta.A 0+514 to Sta.A 0+524 at LHS, from Sta.A 0+614 to Sta.A 0+624 and from Sta.A 0+634 to Sta.A 0+644 at LHS<br>-Up to 1.2 m high from Sta.A 0+674 to Sta.A 0+684 at LHS-TC-14/506/B | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | A |
| | TEST-13-00015-NHT-137-A | Test report for (28 days) of concrete cube compressive strength:<br>-For box culvert At Sta.A 0+591.60<br>-For stone wall protection up to 2.4 m high from Sta.A 0+714 to Sta.A 0+717 at LHS and up to 1.2 m high from Sta.A 0+774 to Sta.A 0+781 at LHS-TC-14/628/B | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | A |
| | TEST-13-00015-NHT-138-A | Test report for (28 days) of concrete compressive strength for stone wall protection :<br>-up to 1.2 m high from Sta.A 0+754 to Sta.A 0+764 at LHS<br>-up to 4.2 m high from Sta.A 0+714 to Sta.A 0+734 at LHS-TC-14/586/B | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | E |

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| | TEST-13-00015-NHT-139-A | Test report for (28 days ) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 1.8 m high from Sta.A 0+774 to Sta.A 0+781 at LHS<br>-Up to 1.2 m high from Sta.A 0+781 to Sta.A 0+796 at LHS-TC-14/630/B | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | A |
| | TEST-13-00015-NHT-140-A | Test report for ( 28 days ) of concrete cube compressive strength for foundation of Box Culvert and Retaining Wall Box Culvert at Sta.A 0+950 & Retaining Wall from Sta.A 0+930 to Sta.A 0+970 at RHS-TC-14/629/B | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | A |
| | TEST-13-00015-NHT-141-A | Test report for seven days of concrete cube compressive strength for stone wall protection :<br>-up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS<br>-up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS-TC-14/669/A | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | E |
| | TEST-13-00015-NHT-142-A | Test report for seven days of concrete cube compressive strength retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS-TC-14/713/A | NHT | 07/16/14 | 08/15/14 | 07/23/14 | 7 | A |
| | TEST-13-00015-NHT-143-A | Test report for( 28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 0+774 to Sta.A 0+781 at LHS<br>-Up to 1.8 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS-TC-14/631/B | NHT | 07/22/14 | 08/21/14 | 08/04/14 | 13 | A |
| | TEST-13-00015-NHT-144-A | Test report for( 28 days) of concrete cube compressive strength for stone wall protection :<br>-Up to 2.40 m high from Sta.A0+734 to Sta.A 0+744 and from Sta.A0+781 to Sta.A0+796 at LHS<br>-Up to 60 cm high from Sta.A 0+796 to Sta.A 0+806 and from Sta.A 0+806 to Sta.A 0+816 at LHS-TC-14/669/B | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-145-A | Test report for (28 days) of concrete cube compressive strength of stone wall protection :<br>-Up to 60 cm high from Sta.A 0+734 to Sta.A 0+744<br>-Up to 1.2 m high from Sta.A 0+714 to Sta.A 0+717 at LHS-TC-14/626/B | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-146-A | Test report for( 28 days )of concrete cube compressive strength for Roof of Box Culvert at Sta.A 0+591.60-TC-14/668/B | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-147-A | Test report of sieve analysis for single size and bedding materials from Sta.A 0+080 to Sta.A 0+400 at Sta.A 0+150-TA/14/028. | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-148-A | Test report for field density and degree of compaction for subgrade of road from Sta.A 0+740 to Sta.A 0+840 at Sta.A 0+760 at RHS and at Sta.A 0+820 at C.L-TFD/14-312. | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |

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| | TEST-13-00015-NHT-149-A | Test report of modified proctor for subgrade of road from Sta.A 0+740 to Sta.A 0+840-TB/14-238 | NHT | 07/22/14 | 08/21/14 | 08/03/14 | 12 | A |
| | TEST-13-00015-NHT-150-A | Test report for radiographic examination interpretation report No. 8138776/14( Negative Films). | NHT | 07/13/14 | 08/12/14 | 08/03/14 | 21 | C |
| | TEST-13-00015-NHT-150-B | Test report for radiographic examination interpretation report No. 8138776/14( Negative Films). | NHT | 08/20/14 | 09/19/14 | 08/27/14 | 7 | C |
| | TEST-13-00015-NHT-151-A | Test report for seven days of concrete cube compressive strength for :<br>-Stem of retaining wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS.<br>- Stone wall protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS.TC-14/712/A | NHT | 07/23/14 | 08/22/14 | 08/05/14 | 13 | A |
| | TEST-13-00015-NHT-152-A | Test report of modified proctor compaction for backfilling around box culvert at Sta.A 0+590, from Sta.A 0+574 to Sta.A 0+614 and Sta.A 0+600 – TB/14-234 | NHT | 07/23/14 | 08/22/14 | 08/05/14 | 13 | A |
| | TEST-13-00015-NHT-153-A | Test report of field density and degree of compaction for first layer of backfilling material around box culvert at Sta.A 0+590, from Sta.A 0+574 to Sta.A 0+614 at Sta.A 0+600- TFD/14-305. | NHT | 07/23/14 | 08/22/14 | 08/05/14 | 13 | A |
| | TEST-13-00015-NHT-154-A | Test report of field density and degree of compaction for second layer of backfilling material around box culvert at Sta.A 0+590, from Sta.A 0+574 to Sta.A 0+614 at Sta.A 0+600-TFD/14-309. | NHT | 07/23/14 | 08/22/14 | 08/04/14 | 12 | A |
| | TEST-13-00015-NHT-155-A | Test report of field density and degree of compaction for third layer of backfilling material around box culvert at Sta.A 0+590, from Sta.A 0+574 to Sta.A 0+614 at Sta.A 0+600-TFD/14-313. | NHT | 07/23/14 | 08/22/14 | 08/05/14 | 13 | A |
| | TEST-13-00015-NHT-156-A | Test report of field density and degree of compaction for first layer of base course material from Sta.A 3+620 to Sta.A 3+740 at Sta.A 3+720 and Sta.A 3+640 at RHS- TFD/14-306. | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |
| | TEST-13-00015-NHT-157-A | Test report of field density and degree of compaction for first layer of base course material from Sta.A 3+740 to Sta.A 3+820 at Sta.A 3+780 - TFD/14-284. | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |
| | TEST-13-00015-NHT-158-A | Test report of field density and degree of compaction for first layer of backfilling from Sta.A 0+930 to Sta.A 0+970 at Sta.A 0+951 - TFD/14-315. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-159-A | Test report of field density and degree of compaction for second layer of backfilling from Sta.A 0+930 to Sta.A 0+970 at Sta.A 0+960 at centre line-TFD/14-326. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-160-A | Test report of field density and degree of compaction for third layer of backfilling from Sta.A 0+930 to Sta.A 0+970 at Sta.A 0+950 at centre line-TFD/14-330. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |

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| | TEST-13-00015-NHT-161-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 0+640 to Sta.A 0+740 at Sta.A 0+720 at RHS- TFD/14-325. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-162-A | Test report of modified proctor for first layer of backfilling around box culvert at Sta.A 0+951 from Sta.A 0+930 to Sta.A 0+970 TB/14-239. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-163-A | Test report for( 28 days) of concrete compressive strength for stone wall protection:<br>-up to 1.8 m high from Sta.A 0+796 to Sta.A 0+806<br>-up to 1.2 m high from Sta.A 0+806 to Sta.A 0+816 at LHS-TC-14/687/B. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-164-A | Test report for seven days of concrete compressive strength for stone wall protection:<br>-up to 1.2 m high from Sta.A 0+826 to Sta.A 0+836 and from Sta.A 0+868 to Sta.A 0+878 at LHS<br>-up to 60 cm high from Sta.A 0+846 to Sta.A 0+856 at LHS<br>-up to 1.8 high from Sta.A 0+878 to Sta.A 0+888 at LHS-TC-14/725/A. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-165-A | Test report for seven days of concrete compressive strength for foundation of retaining wall from Sta.A 0+888 to Sta.A 0+930 at LHS-TC-14/753/A | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |
| | TEST-13-00015-NHT-166-A | Test report for seven days of concrete compressive strength for stone wall protection:<br>-Up to 60 cm high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/754/A | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |
| | TEST-13-00015-NHT-167-A | Test report for seven days of concrete compressive strength for stone wall protection:<br>-Up to 1.2 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/755/A. | NHT | 08/05/14 | 09/04/14 | 08/07/14 | 2 | A |
| | TEST-13-00015-NHT-168-A | Test report for seven days of concrete compressive strength for stone wall protection:<br>-Up to 1.8 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/756/A. | NHT | 08/05/14 | 09/04/14 | 08/10/14 | 5 | A |
| | TEST-13-00015-NHT-169-A | Test report of field density and degree of compaction for fourth layer of backfilling from Sta.A 0+574 to Sta.A 0+614 at Sta.A 0+590-TFD/14-316 | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |
| | TEST-13-00015-NHT-170-A | Test report of modified proctor for subgrade material from Sta.A 0+120 to Sta.A 0+400-TB/14-248 | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |
| | TEST-13-00015-NHT-171-A | Test report for field density and degree of compaction for subgrade of road from Sta.A 0+120 to Sta.A 0+400 at Sta.A 0+150, Sta.A 0+250 at LHS and at Sta.A 0+350 at RHS-TFD/14-336. | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |
| | TEST-13-00015-NHT-172-A | Test report for soil classification and modified proctor of backfilling material around box culvert at Sta.A 0+930-TB/14-247. | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |

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| | TEST-13-00015-NHT-173-A | Test report for soil classification and modified proctor of backfilling material around box culvert at Sta.A 0+590-TB/14-246. | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |
| | TEST-13-00015-NHT-174-A | Test report for (28 days ) of concrete cube compressive strength :<br>-For retaining wall from Sta.A 0+574 to Sta.A 0+600 at LHS and from Sta.A 0+960 to Sta.A 0+970 at RHS<br>-For stem of retaining wall from Sta.A 0+930 to Sta.A 0+940 at RHS<br>-For stone wall protection up to 1.2 m high from Sta.A 0+796 to Sta.A 0+806 at LHS-TC-14/686/B | NHT | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | TEST-13-00015-NHT-175-A | Test report for (28 days ) of concrete compressive strength:<br>-For roof slab of box culvert at Sta.A 0+950<br>-For retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS<br>-For stone wall protection up to 2.40 m high from Sta.A 0+806 to Sta.A 0+816, up to 60 cm high from Sta.A 0+835 to Sta.A 0+845 and from Sta.A 0+855 to Sta.A 0+866 at LHS-TC-14/688/B | NHT | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | TEST-13-00015-NHT-176-A | Test report for (28 days) of concrete cube compressive strength for :<br>-Stem of retaining wall from Sta.A 0+940 to Sta.A 0+950 and from Sta.A 0+950 to Sta.A 0+960 at RHS.<br>-Stone wall protection up to 1.2 m high form Sta.A 0+836 to Sta.A 0+846 and from Sta.A 0+856 to Sta.A 0+868 at LHS.TC-14/712/B | NHT | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | TEST-13-00015-NHT-177-A | Test report for(28 days ) of concrete cube compressive strength retaining wall from Sta.A 0+575 to Sta.A 0+585 at RHS-TC-14/713/B | NHT | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | TEST-13-00015-NHT-178-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 0+400 to Sta.A 0+500 at Sta.A 0+460 at LHS- TFD/14-339. | NHT | 08/10/14 | 09/09/14 | 08/13/14 | 3 | A |
| | TEST-13-00015-NHT-179-A | Test report for (28 days) of concrete cube compressive strength for stone wall protection :<br>-Up to 1.8 m high from Sta.A 0+836 to Sta.A 0+846 and Sta.A 0+856 to Sta.A 0+866 at LHS.<br>-Up to 0.6 m high from Sta.A 0+876 to Sta.A 0+886 at LHS.<br>-For stem of retaining wall from Sta.A 0+930 to Sta.A 0+967 at LHS-TC-14/715/B. | NHT | 08/10/14 | 09/09/14 | 08/12/14 | 2 | A |
| | TEST-13-00015-NHT-180-A | Test report of field density and degree of compaction for fourth layer of backfilling from Sta.A 0+930 to Sta.A 0+970 at Sta.A 0+950 TFD/14-332. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-181-A | Test report of field density and degree of compaction for fifth layer of backfilling from Sta.A 0+930 to Sta.A 0+970 at Sta.A 0+950 TFD/14-335. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-182-A | Comprehensive test report of topping materials from Sta.A 2+460 to Sta.A 3+100-TB/14-249. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |

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| | TEST-13-00015-NHT-183-A | Test report for (28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 3 m high from Sta.A 0+734 to Sta.A 0+744 and from Sta.A 0+781 to Sta.A 0+796 at LHS<br>-For Retaining Wall from Sta.A 0+600 to Sta.A 0+614 at LHS-TC-14/670/B. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-184-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 0+878 to Sta.A 0+888 at LHS.<br>-Up to 1.8 m high from Sta.A 0+868 to Sta.A 0+878 and from Sta.A 0+826 to Sta.A 836 at LHS.<br>-Up to 1.2 m high from Sta.A 0+846 to Sta.A 0+856 at LHS-TC-14/726/A. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-185-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 3.6 m high from Sta.A 0+878 to Sta.A 0+888 at LHS-TC-14/727/A. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-186-A | Test report for seven days of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS-TC-14/765/A. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | A |
| | TEST-13-00015-NHT-187-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 0+500 to Sta.A 0+640 at Sta.A 0+540 at LHS and at Sta.A 0+600 at RHS-TFD/14-341. | NHT | 08/12/14 | 09/11/14 | 08/13/14 | 1 | A |
| | TEST-13-00015-NHT-188-A | Test report of modified proctor for subgrade material from Sta.A 0+500 to Sta.A 0+640-TB/14-252. | NHT | 08/12/14 | 09/11/14 | 08/13/14 | 1 | A |
| | TEST-13-00015-NHT-189-A | Test report for (28 days) of concrete compressive strength for stone wall protection:<br>-Up to 1.2 m high from Sta.A 0+826 to Sta.A 0+836 and from Sta.A 0+868 to Sta.A 0+878 at LHS<br>-Up to 60 cm high from Sta.A 0+846 to Sta.A 0+856 at LHS<br>-Up to 1.8 cm high from Sta.A 0+878 to Sta.A 0+888 at LHS-TC-14/725/B. | NHT | 08/13/14 | 09/12/14 | 08/17/14 | 4 | A |
| | TEST-13-00015-NHT-190-A | Test report for reinforcement steel bars at Sta.A 1+360 from retaining wall at LHS-BM/STL/14038. | NHT | 08/13/14 | 09/12/14 | 08/18/14 | 5 | A |
| | TEST-13-00015-NHT-191-A | Test report for single size and bedding material from Sta.A 2+200 to Sta.A 2+700 at Sta.A 2+400-TA/14/029. | NHT | 08/13/14 | 09/12/14 | 08/17/14 | 4 | A |
| | TEST-13-00015-NHT-192-A | Test report of soil classification for subgrade of road from Sta.B 0+200 to Sta.B 0+400 at LHS-TB/14-251. | NHT | 08/13/14 | 09/12/14 | 08/17/14 | 4 | A |

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| | TEST-13-00015-NHT-193-A | Test report for( 28 days ) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 0+878 to Sta.A 0+888 at LHS.<br>-Up to 1.8 m high from Sta.A 0+868 to Sta.A 0+878 and from Sta.A 0+826 to Sta.A 836 at LHS.<br>-Up to 1.2 m high from Sta.A 0+846 to Sta.A 0+856 at LHS-TC-14/726/B. | NHT | 08/17/14 | 09/16/14 | 08/18/14 | 1 | A |
| | TEST-13-00015-NHT-194-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.A 0+888 to Sta.A 0+909 and from Sta.A 0+919 to Sta.A 0+930 at LHS.<br>-For stone wall protection up to 3 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS-TC-14/766/A. | NHT | 08/17/14 | 09/16/14 | 08/18/14 | 1 | A |
| | TEST-13-00015-NHT-195-A | Test report for seven days of concrete cube compressive strength:<br>-For stone wall protection up to 3.6 m high from Sta.A 1+383 to Sta.A 1+410 at LHS.<br>-Blinding concrete under foundation of retaining from Sta.A 1+310 to Sta.A 1+350 at LHS-TC-14/767/A. | NHT | 08/17/14 | 09/16/14 | 08/18/14 | 1 | A |
| | TEST-13-00015-NHT-196-A | Test report for seven days of concrete cube compressive strength:<br>-for stone wall protection up to 60 cm high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS-TC-14/769/A. | NHT | 8/17/2014 | 09/16/14 | 8/18/2014 | 1 | A |
| | TEST-13-00015-NHT-197-A | Test report for (28 days ) of concrete cube compressive strength for Stone Wall Protection :<br>-up to 3.6 m high from Sta.A 0+878 to Sta.A 0+888 at LHS-TC-14/727/B. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-198-A | Test report for (28 days) of concrete compressive strength for foundation of retaining wall from Sta.A 0+888 to Sta.A 0+930 at LHS-TC-14/753/B. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-199-A | Test report for seven days of concrete compressive strength for :<br>-Stem of retaining wall from Sta.A 0+909 to Sta.A 0+919.<br>-Stone wall protection up to 1.2 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS-TC-14/785/A. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-200-A | Test report of filed density and degree of compaction for first layer of base course for road from Sta.A 0+740 to Sta.A 0+840 at Sta.A 0+760 at LHS and Sta.A 0+820 at RHS-TFD/14-340. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-201-A | Test report of filed density and degree of compaction for first layer of base course for road from Sta.A 0+640 to Sta.A 0+740 at Sta.A 0+660 at RHS and Sta.A 0+700 at LHS-TFD/14-346. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-202-A | Comprehensive report test for first base course layer from Sta.A 0+500 to Sta.A 1+000 at Sta.A 0+800-TB/14-245. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |

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| | TEST-13-00015-NHT-203-A | Comprehensive report test for first base course layer from Sta.A 0+120 to Sta.A 0+500 at Sta.A 0+310-TB/14-250. | NHT | 08/20/14 | 09/19/14 | 8/25/2014 | 5 | A |
| | TEST-13-00015-NHT-204-A | Test report for (28 days )of concrete compressive strength for stone wall protection:<br>-Up to 60 cm high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/754/B. | NHT | 08/23/14 | 09/22/14 | 8/31/2014 | 8 | A |
| | TEST-13-00015-NHT-205-A | Test report for (28 days) of concrete compressive strength for stone wall protection:<br>-Up to 1.2 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/755/B. | NHT | 08/23/14 | 09/22/14 | 8/31/2014 | 8 | A |
| | TEST-13-00015-NHT-206-A | Test report for seven days of concrete compressive strength :<br>-For stone wall protection up to 1.8 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS.<br>-For retaining wall's foundation from Sta.A 1+310 to Sta.A 1+350 TC-14/786/A. | NHT | 08/23/14 | 09/22/14 | 8/31/2014 | 8 | A |
| | TEST-13-00015-NHT-207-A | Test report for seven days of concrete compressive strength :<br>-For retaining wall's stem from Sta.A 1+310 to Sta.A 1+323 and from Sta.A 1+330 to Sta.A 1+350 TC-14/789/A. | NHT | 08/23/14 | 09/22/14 | 8/31/2014 | 8 | A |
| | TEST-13-00015-NHT-208-A | Comprehensive test report of second base course layer from Sta.A 3+300 to Sta.A 4+300 at Sta.A 3+900 at RHS-TB/14-256. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-209-A | Comprehensive test report of first base course layer from Sta.A 3+300 to Sta.A 4+300 at Sta.A 3+700 at RHS-TB/14-257. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-210-A | Comprehensive test report of second base course layer from Sta.A 4+300 to Sta.A5+300 at Sta.A 4+980 at RHS-TB/14-259. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-211-A | Comprehensive test report of first base course layer from Sta.A 4+300 to Sta.A5+300 at Sta.A 4+910 at RHS-TB/14-258. | NHT | 08/23/14 | 09/22/14 | 8/25/2014 | 2 | A |
| | TEST-13-00015-NHT-212-A | Test report of field density and degree of compaction for first base course layer of road from Sta.A 5+600 to Sta.A 5+700 at Sta.A 5+650 at RHS-TFD/14-365. | NHT | 08/23/14 | 09/22/14 | 8/25/2014 | 2 | A |
| | TEST-13-00015-NHT-213-A | Test report of field density and degree of compaction for third layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at Sta.A 0+910 at LHS-TFD/14-349. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-214-A | Test report of field density and degree of compaction for second layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at Sta.A 0+910 at LHS-TFD/14-352. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-215-A | Test report of field density and degree of compaction for first layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at Sta.A 0+910 at LHS-TFD/14-345. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |

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| | TEST-13-00015-NHT-216-A | Test report of modified proctor of backfilling material behind retaining wall from Sta.A 0+883 to Sta.A 0+930 at LHS-TB/14-255. | NHT | 08/23/14 | 09/22/14 | 8/27/2014 | 4 | A |
| | TEST-13-00015-NHT-217-A | Test report of field density and degree of compaction for first base course layer of trench reinstatement from Sta.A 4+750 to Sta.A 4+900 at Sta.A 4+800 and Sta.A 4+880 at RHS-TFD/14-354. | NHT | 08/23/14 | 09/22/14 | 8/25/2014 | 2 | A |
| | TEST-13-00015-NHT-218-A | Test report of field density and degree of compaction for first base course layer of trench reinstatement from Sta.A 5+180 to Sta.A 5+340 at Sta.A 5+280 and Sta.A 5+200 at RHS-TFD/14-359. | NHT | 08/23/14 | 09/22/14 | 8/25/2014 | 2 | A |
| | TEST-13-00015-NHT-219-A | Test report of field density and degree of compaction for first base course layer of trench reinstatement from Sta.A 5+180 to Sta.A 5+000 at Sta.A 5+040 at RHS-TFD/14-362. | NHT | 08/23/14 | 09/22/14 | 8/25/2014 | 2 | A |
| | TEST-13-00015-NHT-220-A | Test report of field density and degree of compaction for first base course layer of road from Sta.A 0+220 to Sta.A 0+400 at Sta.A 0+260 at RHS , Sta.A 0+300 at LHS , Sta.A 0+340 at center line and Sta.A 0+380 at RHS-TFD/14-360.<br>-Retest report of field density and degree of compaction for first base course layer of road from Sta.A 0+220 to Sta.A 0+400 at Sta.A 0+260 at RHS , Sta.A 0+300 at LHS , Sta.A 0+340 at center line and Sta.A 0+380 at RHS-TFD/14-366. | NHT | 08/24/14 | 09/23/14 | 8/27/2014 | 3 | A |
| | TEST-13-00015-NHT-221-A | Test report of field density and degree of compaction for first base course layer of road from Sta.A 0+120 to Sta.A 0+220 at Sta.A 0+140 at RHS and Sta.A 0+200 at LHS -TFD/14-356.<br>-Retest report of field density and degree of compaction for first base course layer of road from Sta.A 0+120 to Sta.A 0+220 at Sta.A 0+140 at RHS and Sta.A 0+200 at LHS -TFD/14-367. | NHT | 08/24/14 | 09/23/14 | 8/27/2014 | 3 | A |
| | TEST-13-00015-NHT-222-A | Test report of sieve analysis for single size and bedding materials from Sta.A 3+500 to 4+000 at Sta.A 3+600 at RHS-TA/14/030. | NHT | 08/24/14 | 09/23/14 | 8/31/2014 | 7 | A |
| | TEST-13-00015-NHT-223-A | Test report of field density and degree of compaction for first base course layer of trench reinstatement from Sta.A 4+900 to Sta.A 5+000 at Sta.A 4+940 at RHS-TFD/14-350. | NHT | 08/24/14 | 09/23/14 | 8/25/2014 | 1 | A |
| | TEST-13-00015-NHT-224-A | Test report of field density and degree of compaction for first base course layer of road from Sta.A 0+400 to Sta.A 0+640 at Sta.A 0+420 at RHS, Sta.A 0+460 at center line, Sta.A 0+500 at LHS , Sta.A 0+560 at RHS and Sta. A0+600 at center line-TFD/14-361. | NHT | 08/24/14 | 09/23/14 | 8/27/2014 | 3 | C |
| | TEST-13-00015-NHT-224-B | Re-test report of field density and degree of compaction for first base course layer of road from Sta.A 0+400 to Sta.A 0+640 at Sta.A 0+560 at RHS and Sta.A 0+600 at C.L-TFD/14-372. | NHT | 08/28/14 | 09/27/14 | 9/2/2014 | 5 | A |

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| | TEST-13-00015-NHT-225-A | Test report of field density and degree of compaction for topping material from Sta.A 2+460 to Sta.A 3+100 at Sta.A 2+500 at LHS, Sta.A 2+600 at center line, Sta.A 2+700 at RHS, Sta.A 2+800 at center line , Sta.A 2+900 at LHS and Sta.A 3+000 at RHS-TFD/14-353. | NHT | 08/24/14 | 09/23/14 | 8/28/2014 | 4 | A |
| | TEST-13-00015-NHT-226-A | Test report for radiographic examination interpretation report No. 8138967/14 with (negative film).<br>Attachment: comments on report by certified welder inspector : Aron Luke. | NHT | 08/24/14 | 09/23/14 | 8/31/2014 | 7 | C |
| | TEST-13-00015-NHT-226-B | Test report for radiographic examination interpretation report No. 8138967/14 with (negative film) With remedial action plan. | NHT | 09/16/14 | 10/16/14 | 9/25/2014 | 9 | A |
| | TEST-13-00015-NHT-227-A | Test report for (28 days) of concrete compressive strength for stone wall protection:<br>-up to 1.8 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS- TC-14/756/B. | NHT | 08/27/14 | 09/26/14 | 8/31/2014 | 4 | A |
| | TEST-13-00015-NHT-228-A | Test report for seven days of concrete compressive strength for retaining wall's foundation from Sta.A 1+383 to Sta.A 1+360 at LHS-TC-14/792/A | NHT | 08/27/14 | 09/26/14 | 8/31/2014 | 4 | A |
| | TEST-13-00015-NHT-229-A | Test report for seven days of concrete compressive strength for retaining wall's stem from Sta.A 1+323 to Sta.A 1+330 at LHS-TC-14/797/A. | NHT | 08/27/14 | 09/26/14 | 8/31/2014 | 4 | A |
| | TEST-13-00015-NHT-230-A | Test report for seven days of concrete compressive strength for retaining wall's foundation from Sta.A 1+290 to Sta.A 1+310 at LHS-TC-14/803/A. | NHT | 08/27/14 | 09/26/14 | 8/31/2014 | 4 | A |
| | TEST-13-00015-NHT-231-A | Test report for seven days of concrete compressive strength for retaining wall's stem from Sta.A 1+360 to Sta.A 1+383 at LHS-TC-14/808/A. | NHT | 08/27/14 | 09/26/14 | 8/31/2014 | 4 | A |
| | TEST-13-00015-NHT-232-A | Test report of field density and degree of compaction for first base course layer from Sta.A 5+400 to Sta.A 5+600 at Sta.A 5+550 and Sta.A 5+420 at RHS-TFD/14-371 | NHT | 8/28/2014 | 09/27/14 | 9/2/2014 | 5 | A |
| | TEST-13-00015-NHT-233-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 1+020 to Sta.A 1+160 at Sta.A 1+040 at C.L and Sta.A 1+130 at RHS-TFD/14-374 | NHT | 8/28/2014 | 09/27/14 | 9/2/2014 | 5 | A |
| | TEST-13-00015-NHT-234-A | Test report of field density and degree of compaction for subgrade of road widening from Sta.A 3+400 to Sta.A 3+500 at Sta.A 3+460 at RHS-TFD/14-373. | NHT | 8/28/2014 | 09/27/14 | 9/2/2014 | 5 | A |
| | TEST-13-00015-NHT-235-A | Test report of field density and degree of compaction for first base course layer of road widening from Sta.A 3+540 to Sta.A 3+620 at Sta.A 3+590 at RHS-TFD/14-370 | NHT | 8/28/2014 | 09/27/14 | 9/2/2014 | 5 | A |
| | TEST-13-00015-NHT-236-A | Comprehensive test report for second base course layer from Sta.A 0+500 to Sta.A 1+000 at Sta.A 0+840-TB/14-260. | NHT | 8/28/2014 | 09/27/14 | 9/3/2014 | 6 | A |
| | TEST-13-00015-NHT-237-A | Test report of sieve analysis for bedding and single size material from Sta.B 0+500 to Sta.B 0+980 at Sta.B 0+600-TA/14/032. | NHT | 8/28/2014 | 09/27/14 | 9/3/2014 | 6 | A |

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| | TEST-13-00015-NHT-238-A | Test report of sieve analysis for bedding and single size material from Sta.B 0+000 to Sta.B 0+500 at Sta.B 0+300-TA/14/031. | NHT | 8/28/2014 | 09/27/14 | 9/3/2014 | 6 | A |
| | TEST-13-00015-NHT-239-A | Test report of modified proctor for subgrade material of widening road from Sta.A 3+400 to Sta.A 3+500 at RHS-TB/14-268. | NHT | 8/28/2014 | 09/27/14 | 9/3/2014 | 6 | A |
| | TEST-13-00015-NHT-240-A | Test report of modified proctor for subgrade material of road from Sta.A 1+020 to Sta.A 1+060 -TB/14-267 | NHT | 8/28/2014 | 09/27/14 | 9/3/2014 | 6 | A |
| | TEST-13-00015-NHT-241-A | Test report for(28 days) of concrete cube compressive strength for Stone Wall Protection :<br>-Up to 2.4 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS-TC-14/765/B. | NHT | 9/4/2014 | 10/04/14 | 9/4/2014 | 0 | A |
| | TEST-13-00015-NHT-242-A | Test report for( 28 days) of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.A 0+888 to Sta.A 0+909 and from Sta.A 0+919 to Sta.A 0+930 at LHS.<br>-For stone wall protection up to 3 m high from Sta.A 1+383 to Sta.A 1+410 and from Sta.A 1+420 to Sta.A 1+430 at LHS-TC-14/766/B. | NHT | 9/4/2014 | 10/04/14 | 9/4/2014 | 0 | A |
| | TEST-13-00015-NHT-243-A | Test report for (28 days ) of concrete cube compressive strength:<br>-For stone wall protection up to 3.6 m high from Sta.A 1+383 to Sta.A 1+410 at LHS.<br>-Blinding concrete under foundation of retaining from Sta.A 1+310 to Sta.A 1+350 at LHS-TC-14/767/B. | NHT | 9/4/2014 | 10/04/14 | 9/4/2014 | 0 | A |
| | TEST-13-00015-NHT-244-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.A 1+290 to Sta.A 1+310 at LHS- TC-14/811/A. | NHT | 9/4/2014 | 10/04/14 | 9/4/2014 | 0 | A |
| | TEST-13-00015-NHT-245-A | Pressure test report for 2 inch water pipeline from Sta.A 2+940 to Sta.A 3+320 at RHS. | NHT | 9/4/2014 | 10/04/14 | 9/7/2014 | 3 | A |
| | TEST-13-00015-NHT-246-A | Test of field density and degree of compaction for subgrade material of road from Sta.B 0+400 to Sta.B 0+680 at Sta.B 0+440 RHS , Sta.B 0+500 CL, Sta.B 0+640 LHS and Sta.B 0+560 CL-TFD/14-378. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | A |
| | TEST-13-00015-NHT-247-A | Test of field density and degree of compaction for first base course layer of trench reinstatement from Sta.A 4+380 to Sta.A 4+580 at Sta.A 4+480 RHS and Sta.A 4+580 LHS-TFD/14-347. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-248-A | Test report of field density and degree of compaction for subgrade material of road widening from Sta.A 3+500 to Sta.A 3+620 at Sta. A 0+600 RHS –TFD/14-357. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | C |
| | TEST-13-00015-NHT-248-B | Test report of field density and degree of compaction for subgrade material of road widening from Sta.A 3+500 to Sta.A 3+620 at Sta. A 3+600 RHS –TFD/14-357. | NHT | 9/21/2014 | 10/21/14 | 9/23/2014 | 2 | A |
| | TEST-13-00015-NHT-249-A | Test report of modified proctor for subgrade material of road from Sta.B 0+200 to Sta.B 0+400-TB/14-266. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | A |

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| | TEST-13-00015-NHT-250-A | Test report of field density and degree of compaction for subgrade material of road from Sta.B 0+200 to Sta.B 0+400 at Sta.B 0+350 CL and Sta.B 0+250 RHS-TFD/14-377. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | A |
| | TEST-13-00015-NHT-251-A | Test report of modified proctor for subgrade martial from Sta.A 0+840 to Sta.A 1+020-TB/14-276. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-252-A | Test report of field density and degree of compaction for subgrade material of road from Sta.A 0+840 to Sta.A 1+020 at Sta.A 0+960 CL and Sta.A 0+900 LHS-TFD/14-380. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-253-A | Test report of field density and degree of compaction for fifth layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 LHS at LHS-TFD/14-364. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-254-A | Test report of field density and degree of compaction for fourth layer of backfilling behind retaining wall from Sta.A 0+883 to Sta.A 0+930 LHS at LHS-TFD/14-355. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | A |
| | TEST-13-00015-NHT-255-A | Comprehensive test report for base course material from Sta.A 2+800 to Sta.A 3+300-TB/14-263. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-256-A | Comprehensive test report for base course material from Sta.A 2+300 to Sta.A 2+800-TB/14-264. | NHT | 9/6/2014 | 10/06/14 | 9/9/2014 | 3 | A |
| | TEST-13-00015-NHT-257-A | Test report for modified proctor and soil classification of subgrade material from Sta.B 0+400 to Sta.B 0+680-TB/14-272. | NHT | 9/6/2014 | 10/06/14 | 9/10/2014 | 4 | A |
| | TEST-13-00015-NHT-258-A | Test report of field density and degree of compaction for first base course of road widening from Sta.A 5+340 to Sta.A 5+400 at Sta.A 5+350 at RHS-TFD/14-384. | NHT | 9/7/2014 | 10/07/14 | 9/9/2014 | 2 | A |
| | TEST-13-00015-NHT-259-A | Comprehensive test report for first base course layer of road from Sta.B 0+000 to Sta.B 0+500-TB/14-273. | NHT | 9/7/2014 | 10/07/14 | 9/9/2014 | 2 | A |
| | TEST-13-00015-NHT-260-A | Comprehensive test report for second base course layer of road from Sta.B 0+000 to Sta.B 0+500-TB/14-274. | NHT | 9/7/2014 | 10/07/14 | 9/9/2014 | 2 | A |
| | TEST-13-00015-NHT-261-A | Test report of field density and degree of compaction for first bas course layer of road widening from Sta.A 3+400 to Sta.A 3+540 at Sta.A 3+460 to Sta.A 3+500 at RHS-TFD/14-383. | NHT | 9/7/2014 | 10/07/14 | 9/9/2014 | 2 | A |
| | TEST-13-00015-NHT-262-A | Test report for( 28 days) of concrete cube compressive strength:<br>-For stone wall protection up to 60 cm high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS-TC-14/769/B. | NHT | 9/7/2014 | 10/07/14 | 9/9/2014 | 2 | A |
| | TEST-13-00015-NHT-263-A | Pressure test for 2 inch pipeline from Sta.A 2+260 to Sta.A 2+940 (Segment A). | NHT | 9/11/2014 | 10/11/14 | 9/17/2014 | 6 | A |
| | TEST-13-00015-NHT-264-A | Test report for (28 days ) of concrete compressive strength for :<br>-Stem of retaining wall from Sta.A 0+909 to Sta.A 0+919.<br>-Stone wall protection up to 1.2 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS-TC-14/785/B. | NHT | 9/14/2014 | 10/14/14 | 9/16/2014 | 2 | A |

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| | TEST-13-00015-NHT-265-A | Test report for (28 days ) of concrete compressive strength :<br>-For stone wall protection up to 1.8 m high from Sta.A 1+410 to Sta.A 1+415 and from Sta.A 1+430 to Sta.A 1+436 at LHS.<br>-For retaining wall's foundation from Sta.A 1+310 to Sta.A 1+350 TC-14/786/B. | NHT | 9/14/2014 | 10/14/14 | 9/16/2014 | 2 | A |
| | TEST-13-00015-NHT-266-A | Test report for seven days of concrete compressive strength :<br>-For Step barriers from Sta.A 0+139.4 to Sta.A 0+146.6 at RHS-TC-14/833/A | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-267-A | Test report for seven days of concrete compressive strength :<br>-For Step barriers from Sta.A 0+125 to Sta.A 0+132.2, from Sta.A 0+153.8 to Sta.A 0+161 ,from Sta.A 0+168.2 to Sta.A 0+175.4 and from Sta.A 0+182.6 to Sta.A 0+189.8 at RHS.<br>-For retaining wall's foundation of the inlet box culvert at Sta.A 1+350 at RHS-TC-14/836/A | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-268-A | Test report of filed density test and degree of compaction for first base course layer of road widening from Sta.A 3+820 to Sta.A 3+920 at Sta.A 3+860 at RHS-TFD/14-404. | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-269-A | Test report of filed density test and degree of compaction for second base course layer of road widening from Sta.A 3+400 to Sta.A 3+800 at Sta.A 3+460 , Sta.A 3+560, Sta.A 3+660 and Sta.A 3+760 at RHS-TFD/14-403. | NHT | 9/14/2014 | 10/14/14 | 9/16/2014 | 2 | C |
| | TEST-13-00015-NHT-269-B | Test report of filed density test and degree of compaction for second base course layer of road widening from Sta.A 3+400 to Sta.A 3+800 at Sta.A 3+760, Sta.A 3+560 at RHS-TFD/14-407. | NHT | 9/21/2014 | 10/21/14 | 9/23/2014 | 2 | A |
| | TEST-13-00015-NHT-270-A | Test report of filed density test and degree of compaction for base course layer of road from Sta.A 2+320 to Sta.A 3+100 at Sta.A 2+360 C.L, Sta.A 2+460 LHS, Sta.A 2+560 RHS, Sta.A 2+660 C.L , Sta.A 2+760 LHS, Sta.A 2+860 RHS, Sta.A 2+960 C.L and Sta.A 3+060 LHS -TFD/14-390. | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-271-A | Test report of filed density test and degree of compaction for second base course layer of trench reinstatement from Sta.A 5+000 to Sta.A 5+700 at Sta.A 5+050, Sta.A 5+150, Sta.A 5+250, Sta.A 5+350, Sta.A 5+450, Sta.A 5+550 and Sta.A 5+650 at RHS-TFD/14-394. | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-272-A | Test report of filed density test and degree of compaction for first base course layer from Sta.A 4+060 to Sta.A 4+120 at Sta.A 4+080 at RHS-TFD/14-406. | NHT | 9/14/2014 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-273-A | Test report of filed density test and degree of compaction for second base course layer of trench reinstatement from Sta.A 3+800 to Sta.A 4+000 at Sta.A 3+860 and Sta.A 3+940 at RHS-TFD/14-405. | NHT | 9/14/2014 | 10/14/14 | 9/16/2014 | 2 | C |

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| | TEST-13-00015-NHT-273-B | Test report of filed density test and degree of compaction for second base course layer of trench reinstatement from Sta.A 3+800 to Sta.A 4+000 at Sta.A 3+940 at RHS-TFD/14-417. | NHT | 9/21/2014 | 10/21/14 | 9/23/2014 | 2 | A |
| | TEST-13-00015-NHT-274-A | Test report of filed density test and degree of compaction for first base course layer of road from Sta.B 0+240 to Sta.B 0+360 at Sta.B 0+340 RHS and Sta.B 0+280 LHS-TFD/14-387. | NHT | 9/14/2014 | 10/14/14 | 9/18/2014 | 4 | A |
| | TEST-13-00015-NHT-275-A | Test report of filed density test and degree of compaction for subgrade layer of road from Sta.A 2+250 to Sta.A 2+320 at Sta.A 2+270 at C.L-TFD/14-399. | NHT | 9/14/2014 | 10/14/14 | 9/18/2014 | 4 | A |
| | TEST-13-00015-NHT-276-A | Pressure test for 3 inch pipeline and house connection from Sta.A 1+990 to Sta.A 2+250. | NHT | 09/14/14 | 10/14/14 | 9/23/2014 | 9 | C |
| | TEST-13-00015-NHT-276-B | Pressure test for 3 inch pipeline and house connection from Sta. A1+990 to Sta. A2+250. | NHT | 11/27/14 | 12/27/14 | 12/9/2014 | 12 | A |
| | TEST-13-00015-NHT-277-A | Test report of soil classification and modified proctor for subgrade material of road from Sta.A 1+980 to Sta.A 2+250- TB/14-283. | NHT | 09/14/14 | 10/14/14 | 9/17/2014 | 3 | A |
| | TEST-13-00015-NHT-278-A | Test report of field density and degree of compaction for second base course layer of road widening from Sta.A 4+000 to Sta.A 4+200 at Sta.A 4+150 and Sta.A 4+050 at RHS-TFD/14-409. | NHT | 9/15/2014 | 10/15/14 | 9/18/2014 | 3 | A |
| | TEST-13-00015-NHT-279-A | Test report for (28 days ) of concrete compressive strength :<br>-For retaining wall's stem from Sta.A 1+310 to Sta.A 1+323 and from Sta.A 1+330 to Sta.A 1+350 TC-14/789/B. | NHT | 9/15/2014 | 10/15/14 | 9/25/2014 | 10 | A |
| | TEST-13-00015-NHT-280-A | Test report of field density and degree of compaction for second base course layer of trench reinstatement from Sta.A 4+200 to Sta.A 5+000 at RHS-TFD/14-400. | NHT | 9/15/2014 | 10/15/14 | 9/22/2014 | 7 | A |
| | TEST-13-00015-NHT-281-A | Test report for (28 days) of concrete compressive strength for retaining wall's foundation from Sta.A 1+383 to Sta.A 1+360 at LHS-TC-14/792/B. | NHT | 9/16/2014 | 10/16/14 | 9/23/2014 | 7 | A |
| | TEST-13-00015-NHT-282-A | Test report for (28 days )of concrete compressive strength for retaining wall's stem from Sta.A 1+323 to Sta.A 1+330 at LHS-TC-14/797/B. | NHT | 9/16/2014 | 10/16/14 | 9/23/2014 | 7 | A |
| | TEST-13-00015-NHT-283-A | Test report of soil classification and modified proctor for subgrade material of road from Sta.A 3+100 to Sta.A 3+240-TB/14-288. | NHT | 9/16/2014 | 10/16/14 | 9/25/2014 | 9 | A |
| | TEST-13-00015-NHT-284-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 3+100 to Sta.A 3+240 at Sta.A 3+150 C.L and Sta.A 3+200 LHS-TFD/14-408. | NHT | 9/16/2014 | 10/16/14 | 9/23/2014 | 7 | A |
| | TEST-13-00015-NHT-285-A | Test report of field density and degree of compaction for topping materials from Sta.A 3+170 to Sta.A 3+245 at Sta.A 3+200-TFD/14-410. | NHT | 9/16/2014 | 10/16/14 | 9/23/2014 | 7 | A |
| | TEST-13-00015-NHT-286-A | Comprehensive test report of base course material for road from Sta.A 1+800 to Sta.A 2+300-TB/14-287. | NHT | 9/16/2014 | 10/16/14 | 9/25/2014 | 9 | A |
| | TEST-13-00015-NHT-287-A | Test report of MC at Sta.A 3+700-TM 14/183. | NHT | 9/18/2014 | 10/18/14 | 9/23/2014 | 5 | A |
| | TEST-13-00015-NHT-288-A | Test report of MC at Sta.A 5+600-TM 14/181. | NHT | 9/18/2014 | 10/18/14 | 9/23/2014 | 5 | A |

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| | TEST-13-00015-NHT-289-A | Test report of MC at Sta.A 2+510-TM 14/180. | NHT | 9/18/2014 | 10/18/14 | 9/23/2014 | 5 | A |
| | TEST-13-00015-NHT-290-A | Test report of field density and degree of compaction for base course material of road from Sta.A 2+040 to Sta.A 2+240 at Sta.A 2+180 at RHS and Sta.A 2+080 at LHS -TFD/14-414 and TFD/14-413. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-291-A | Test report of field density and degree of compaction for subgrade material of road from Sta.A 1+980 to Sta.A 2+250 at Sta.A 2+200 C.L , Sta.A 2+100 LHS and Sta.A 2+000 RHS-TFD/14-393. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-292-A | Test report of field density and degree of compaction for first base course layer from Sta.A 0+880 to Sta.A 1+060 at Sta.A 0+900 RHS, Sta.A 0+940 C.L, Sta.A 0+980 LHS and Sta.A 1+020 RHS-TFD/14-386. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-293-A | Test report for (28 days) of concrete compressive strength for stone wall protection up to 3 m high from Sta.A 1+410 to Sta.A 1+420 at LHS-TC-14/787/B. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-294-A | Test report of asphalt ¾ inch for trench reinstatement from Sta.A 5+700 to Sta.A 4+370-TM/14-184. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-295-A | Test report of asphalt ¾ inch for road from Sta.A 2+300 to Sta.A 3+100-TM/14-182. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-296-A | Test report of field density and degree of compaction for second base course layer of road from Sta.A 0+120 to Sta.A 0+500 -TFD/14-418. | NHT | 9/18/2014 | 10/18/14 | 9/25/2014 | 7 | A |
| | TEST-13-00015-NHT-297-A | Test report for (28 days )of concrete compressive strength for retaining wall's foundation from Sta.A 1+290 to Sta.A 1+310 at LHS-TC-14/803/B. | NHT | 9/21/2014 | 10/21/14 | 9/25/2014 | 4 | A |
| | TEST-13-00015-NHT-298-A | Test report for (28 days ) of concrete compressive strength for retaining wall's stem from Sta.A 1+360 to Sta.A 1+383 at LHS-TC-14/808/B. | NHT | 9/21/2014 | 10/21/14 | 9/25/2014 | 4 | A |
| | TEST-13-00015-NHT-299-A | Test report for seven days of concrete compressive strength for step barriers from Sta.A 0+544.6 to Sta.A 0+551.8 and from Sta.A 0+559 to Sta.A 0+566.2 - TC-14/862/A. | NHT | 9/21/2014 | 10/21/14 | 10/2/2014 | 11 | A |
| | TEST-13-00015-NHT-300-A | Test report of field density and degree of compaction for third backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at Sta.A 1+340 at LHS-TFD/14-425. | NHT | 9/21/2014 | 10/21/14 | 10/2/2014 | 11 | A |
| | TEST-13-00015-NHT-301-A | Test report of field density and degree of compaction for second backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at Sta.A 1+340 at LHS-TFD/14-424. | NHT | 9/21/2014 | 10/21/14 | 10/2/2014 | 11 | A |
| | TEST-13-00015-NHT-302-A | Test report of field density and degree of compaction for first backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at Sta.A 1+340 at LHS-TFD/14-415. | NHT | 9/21/2014 | 10/21/14 | 10/2/2014 | 11 | A |
| | TEST-13-00015-NHT-303-A | Test report of soil classification and modified proctor for backfilling material behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at LHS-TB/13-291. | NHT | 9/21/2014 | 10/21/14 | 10/2/2014 | 11 | A |

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| | TEST-13-00015-NHT-304-A | Test report of gradation, sand equivalent, liquid limit, and plasticity index for second base course layer of road from Sta.B 0+000 to Sta.B 0+500TB/14-290. | NHT | 9/21/2014 | 10/21/14 | 9/23/2014 | 2 | C |
| | TEST-13-00015-NHT-304-B | Test report of sieve analysis and sand equivalent for second base course layer of road from Sta.B 0+000 to Sta.B 0+500 –TB/14-304. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | C |
| | TEST-13-00015-NHT-304-C | Comprehensive test report for second base course layer of road from Sta.B 0+000 to Sta.B 0+500-TB/14-309. | NHT | 10/22/2014 | 11/21/14 | 11/3/2014 | 12 | A |
| | TEST-13-00015-NHT-305-A | Pressure test for 2 inch pipeline from Sta.A 3+390 to Sta.A 3+546-Segment A. | NHT | 9/22/2014 | 10/22/14 | 9/25/2014 | 3 | C |
| | TEST-13-00015-NHT-305-B | Pressure test for 2 inch pipeline from Sta. A3+390 to Sta. A3+546-Segment A. | NHT | 11/27/2014 | 12/27/14 | 12/9/2014 | 12 | A |
| | TEST-13-00015-NHT-306-A | Test report of MC at Sta.A 0+240- TM/14-190. | NHT | 9/23/2014 | 10/23/14 | 10/2/2014 | 9 | A |
| | TEST-13-00015-NHT-307-A | Test report of sieve analysis for single size and bedding material for 3 inch pipeline from Sta.A 1+500 to Sta.A 2+000 at Sta.A 1+600-TA/14/034. | NHT | 9/23/2014 | 10/23/14 | 10/2/2014 | 9 | A |
| | TEST-13-00015-NHT-308-A | Test report for 28 days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.A 1+290 to Sta.A 1+310 at LHS- TC-14/811/B. | NHT | 9/23/2014 | 10/23/14 | 10/2/2014 | 9 | A |
| | TEST-13-00015-NHT-309-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+579.0 to Sta.A 0+586.4 at RHS, From Sta.A 0+593.6 to Sta.A 0+600.8 at RHS, From Sta.A 0+559.0 to Sta.A 0+566.2 at LHS, From Sta.A 0+604.2 to Sta.A 0+611.4 at LHS, From Sta.A 0+618.6 to Sta.A 0+625.8 at LHS-TC-14/883/A. | NHT | 9/23/2014 | 10/23/14 | 10/2/2014 | 9 | A |
| | TEST-13-00015-NHT-310-A | Test report of seven days for concrete compressive strength:<br>-For step barriers from Sta.A 0+132.2 to Sta.A 0+139.4 , from Sta.A 0+146.6 to Sta.A 0+153.80 and from Sta.A 0+161 to Sta.A 0+168.20 at RHS-TC-14/841/A. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-311-A | Test report of seven days for concrete compressive strength:<br>-For step barriers From Sta.A 0+175.4 to Sta.A 0+182.60 , from Sta.A 0+189.8 to Sta.A 0+197 and from Sta.A 0+197 to Sta.A 0+205 at RHS.<br>-For stem of pipe culvert's inlet at Sta.A 1+350 at RHS.<br>TC-14/846/A | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-312-A | Test report of seven days for concrete compressive strength:<br>-For step barriers From Sta.A 0+484.0 to Sta.A 0+491.20<br>,From Sta.A 0+498.4 to Sta.A 0+505.60,From Sta.A 0+512.80 to Sta.A 0+520.0 and From Sta.A 0+527.20 to Sta.A0+534.40-TC-14/857/A. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |

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| | TEST-13-00015-NHT-313-A | Test report of seven days for concrete compressive strength:<br>-For step barriers From Sta.A 0+551.8 to Sta.A 0+559.0 at LHS From Sta.A 0+594.0 to Sta.A 0+601.2 at LHS.<br>-For step barriers From Sta.A 0+572.0 to Sta.A 0+579.0 at RHS From Sta.A 0+586.4 to Sta.A 0+593.6 at RHS.<br>TC-14/875/A. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-314-A | Test report of field density and degree of compaction for fourth backfilling layer behind retaining wall from Sta.A 1+290 to Sta.A 1+383 at Sta.A 1+310 at LHS-TFD/14-431. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-315-A | Test report of concrete compressive strength for one of precast manhole at Al-Addasi factory –Ramallah-tc-14/845/A. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | C |
| | TEST-13-00015-NHT-315-B | Test report for seven days of concrete compressive strength for one of precast manhole at Al-Addasi factory –Ramallah-TC-14/845/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-316-A | Test report of field density and degree of compaction for first bas course layer from Sta.B 0+220 to Sta.B 0+380-TFD/14-429. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-317-A | Test report for asphalt (3/4) inch from Sta.A 0+440 to Sta.A 0+200-TM/14-191. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-318-A | Test report for asphalt (3/4) inch from Sta.A 3+420 to Sta.A 4+370-TM/14-185. | NHT | 9/25/2014 | 10/25/14 | 10/2/2014 | 7 | A |
| | TEST-13-00015-NHT-319-A | Test report for (28 days) of concrete compressive strength :<br>-For Step barriers from Sta.A 0+139.4 to Sta.A 0+146.6 at RHS-TC-14/833/B. | NHT | 10/12/2014 | 11/11/14 | 11/2/2014 | 21 | A |
| | TEST-13-00015-NHT-320-A | Test report for ( seven days) of concrete compressive strength :<br>-For Step barriers from Sta.A 0+125 to Sta.A 0+132.2, from Sta.A 0+153.8 to Sta.A 0+161 ,from Sta.A 0+168.2 to Sta.A 0+175.4 and from Sta.A 0+182.6 to Sta.A 0+189.8 at RHS.<br>-For retaining wall's foundation of the inlet box culvert at Sta.A 1+350 at RHS-TC-14/836/B. | NHT | 10/12/2014 | 11/11/14 | 10/27/2014 | 15 | A |
| | TEST-13-00015-NHT-321-A | Test report of (28 days) for concrete compressive strength:<br>-For step barriers from Sta.A 0+132.2 to Sta.A 0+139.4 , from Sta.A 0+146.6 to Sta.A 0+153.80 and from Sta.A 0+161 to Sta.A 0+168.20 at RHS-TC-14/841/B. | NHT | 10/12/2014 | 11/11/14 | 10/27/2014 | 15 | A |
| | TEST-13-00015-NHT-322-A | Test report of (28 days) for concrete compressive strength:<br>-For step barriers From Sta.A 0+175.4 to Sta.A 0+182.60 , from Sta.A 0+189.8 to Sta.A 0+197 and from Sta.A 0+197 to Sta.A 0+205 at RHS.<br>-For stem of pipe culvert's inlet at Sta.A 1+350 at RHS.<br>TC-14/846/B. | NHT | 10/12/2014 | 11/11/14 | 10/27/2014 | 15 | A |

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| | TEST-13-00015-NHT-323-A | Test report for (28 days) of concrete compressive strength for step barriers from Sta.A 0+544.6 to Sta.A 0+551.8 and from Sta.A 0+559 to Sta.A 0+566.2 -TC-14/862/B. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-324-A | Test report for (28 days) of concrete compressive strength for foundation of retaining wall at Sta.E 0+106 to Sta.E 0+134 at RHS-TC-14/871/B. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-325-A | Test report of (28 days) for concrete compressive strength:<br>- For step barriers From Sta.A 0+551.8 to Sta.A 0+559.0 at LHS From Sta.A 0+594.0 to Sta.A 0+601.2 at LHS.<br>-For step barriers From Sta.A 0+572.0 to Sta.A 0+579.0 at RHS From Sta.A 0+586.4 to Sta.A 0+593.6 at RHS.<br>TC-14/875/B. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-326-A | Test report of field density and degree of compaction for existing NGL-bottom of backfilling from Sta.A 1+383 to Sta.A 1+420 at Sta.A 1+390 at LHS-TFD/14-334. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-327-A | Test report of modified proctor for existing NGL (bottom of backfilling) from Sta.A 1+383 to Sta.A 1+420-TB/14-306. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-328-A | Test report of field density and degree of compaction for subgrade of road from Sta.B 0+000 to Sta.B 0+200 at Sta.B 0+070 C.L and Sta.B 0+120 RHS-TFD/14-441. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-329-A | Test report of soil classification and modified proctor for subgrade of road from Sta.B 0+000 to Sta.B 0+200-TB/14-313. | NHT | 10/12/2014 | 11/11/14 | 11/2/2014 | 21 | A |
| | TEST-13-00015-NHT-330-A | Test report for asphalt from Sta.A 0+120 to Sta.A 0+200 and from Sta.A 0+440 to Sta.A 0+480-TM/14-195. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-331-A | Comprehensive test report of second base course layer from Sta.A 0+600 to Sta.A 0+720-TB/14-312. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | C |
| | TEST-13-00015-NHT-331-B | Comprehensive test report of second base course layer from Sta.A 0+600 to Sta.A 0+720-TB/14-335. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |
| | TEST-13-00015-NHT-332-A | Test report of modified proctor for backfilling behind retaining wall from Sta.A 1+250 to Sta.A 1+290 at LHS-TB/14-314. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-333-A | Test report of field density and degree of compaction for first backfilling layer behind retaining wall from Sta.A 1+250 to Sta.A 1+290 at LHS-TFD/14-442. | NHT | 10/12/2014 | 11/11/14 | 10/30/2014 | 18 | A |
| | TEST-13-00015-NHT-334-A | Test report of ultimate load for ductile iron covers and frame wit clear opening 750 mm-BM/PTIC/14020. | NHT | 10/15/2014 | 11/14/14 | 10/30/2014 | 15 | A |
| | TEST-13-00015-NHT-335-A | Test report for asphalt from Sta.B 0+680 to Sta.B 0+300-TM/14-207. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-336-A | Test report of sieve analysis for single size at Sta.A 1+700 (verification test)-TA/14/039. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-337-A | Test and retest report of field density and degree of compaction for subgrade of road from Sta.A 1+160 to Sta.A 1+300-TFD/14-447. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |

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| | TEST-13-00015-NHT-338-A | Test report of modified proctor for subgrade of road from Sta.A 1+160 to Sta.A 1+300-TB/14-320. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-339-A | Test report of modified proctor for backfilling behind retaining wall from Sta.A 1+290 to Sta.A 1+420 at LHS-TB/14-331. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-340-A | Test report of field density and degree of compaction second base course layer from Sta.B 0+600 to 0+680 at Sta.B 0+640 at C.L-TFD/14-438. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-341-A | Test report and retest of field density and degree of compaction second base course layer from Sta.B 0+220 to Sta.B 0+600 at Sta.B 0+280 RHS, Sta.B 0+370 C.L, Sta.B 0+460 LHS and Sta.B 0+550 RHS-TFD/14-437. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-342-A | Test report for seven days of concrete cube compressive strength: -For step barriers From Sta.A 0+491.20 to Sta.A 0+498.4, From Sta.A 0+505.60 to Sta.A0+512.8 , From Sta.A 0+520 to Sta.A 0+527.20 and From Sta.A 0+534.4 to Sta.A 0+541.60-TC-14/859/A. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-343-A | Test report for sieve analysis for single size and bedding material (verification test)-TA/14/036. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-344-A | Test report of field density and degree of compaction for first backfilling layer behind retaining wall from Sta.A 1+360 to Sta.A 1+420 at Sta.A. 1+400 at LHS-TFD/14-451. | NHT | 10/19/2014 | 11/18/14 | 11/3/2014 | 15 | A |
| | TEST-13-00015-NHT-345-A | Pressure test for 3 inch water pipeline and house connection from Sta.A 1+440 to Sta.A 1+840. | NHT | 10/20/14 | 11/19/14 | 11/3/2014 | 14 | A |
| | TEST-13-00015-NHT-346-A | Test report for concrete curb (Alsous factory), dimensions and flexure strength-TM/14-212. | NHT | 10/20/14 | 11/19/14 | 11/3/2014 | 14 | A |
| | TEST-13-00015-NHT-347-A | Test report for( 28 day) of concrete cube compressive strength: -for step barriers From Sta.A 0+579.0 to Sta.A 0+586.4 at RHS, From Sta.A 0+593.6 to Sta.A 0+600.8 at RHS, From Sta.A 0+559.0 to Sta.A 0+566.2 at LHS, From Sta.A 0+604.2 to Sta.A 0+611.4 at LHS, From Sta.A 0+618.6 to Sta.A 0+625.8 at LHS-TC-14/883/B. | NHT | 10/20/14 | 11/19/14 | 11/3/2014 | 14 | A |
| | TEST-13-00015-NHT-348-A | Test report of( 28 days )for concrete compressive strength: -For step barriers From Sta.A 0+484.0 to Sta.A 0+491.20 ,From Sta.A 0+498.4 to Sta.A 0+505.60,From Sta.A 0+512.80 to Sta.A 0+520.0 and From Sta.A 0+527.20 to Sta.A0+534.40-TC-14/857/B. | NHT | 10/20/14 | 11/19/14 | 11/3/2014 | 14 | A |
| | TEST-13-00015-NHT-349-A | Test report for (28 days) of concrete cube compressive strength: -for step barriers From Sta.A 0+491.20 to Sta.A 0+498.4, From Sta.A 0+505.60 to Sta.A0+512.8 , From Sta.A 0+520 to Sta.A 0+527.20 and From Sta.A 0+534.4 to Sta.A 0+541.60-TC-14/859/B. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-350-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta.E 0+106 to Sta.E 0+135 at LHS -TC-14/893/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |

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| | TEST-13-00015-NHT-351-A | Test report for( 28 days ) of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.E 0+106 to Sta.E 0+135 at LHS<br>-TC-14/893/B. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-352-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+585.60 to Sta.A 0+592.00 at LHS, From Sta.A 0+725.00 to Sta.A 0+732.20 at LHS, From Sta.A 0+746.00 to Sta.A 0+753.20 at LHS, From Sta.A 0+760.40 to Sta.A 0+767.60 at LHS, From Sta.A 0+774.80 to Sta.A 0+782.00 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS-TC-14/892/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-353-A | Test report for (28 days ) of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+585.60 to Sta.A 0+592.00 at LHS, From Sta.A 0+725.00 to Sta.A 0+732.20 at LHS, From Sta.A 0+746.00 to Sta.A 0+753.20 at LHS, From Sta.A 0+760.40 to Sta.A 0+767.60 at LHS, From Sta.A 0+774.80 to Sta.A 0+782.00 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS-TC-14/892/B. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-354-A | Test report for seven days of concrete cube compressive strength:<br>-For retaining wall's foundation from Sta.A 1+250 to Sta.A 1+290 at LHS.<br>-for step barriers-segment A From Sta.A 0+578.40 to Sta.A 0+585.60 at LHS, From Sta.A 0+738.80 to Sta.A 0+746.00 at LHS ,From Sta.A 0+753.20 to Sta.A 0+760.40 at LHS, From Sta.A 0+767.60 to Sta.A 0+774.80 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS ,From Sta.A 0+799.40 to Sta.A 0+806.60 at LHS-TC-14/907/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-355-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers-segment A From Sta.A 0+571.20 to Sta.A 0+578.40 at LHS, From Sta.A 0+731.60 to Sta.A 0+738.80 at LHS, From Sta.A 0+792.20 to Sta.A 0+799.40 at LHS-TC-14/909/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-356-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers from Sta.A 0+810 to Sta.A 0+817.20 , from Sta.A 0+824.4 to Sta.A 0+831.6 and from Sta.A 0+838.8 to Sta.A 0+846 at LHS-TC-14/920/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-357-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+817.20 to Sta.A 0+824.40 at LHS, From Sta.A 0+831.60 to Sta.A 0+838.80 at LHS, From Sta.A 0+853.20 to Sta.A 0+860.40 at LHS-TC-14/930/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |
| | TEST-13-00015-NHT-358-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta.A 1+270 to Sta.A 1+290.<br>-For step barriers From Sta.A 0+824.4 to Sta.A 0+831.6 at LHS, From Sta.A 0+837.8 to Sta.A 0+845 at LHS, From Sta.A 0+846 to Sta.A 0+853.2 at LHS TC-14/943/A. | NHT | 10/22/2014 | 11/21/14 | 11/4/2014 | 13 | A |

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| | TEST-13-00015-NHT-359-A | Test report for seven days of concrete cube compressive strength: -For step barriers From Sta.A 0+860.0 to Sta.A 0+867.4 at LHS, From Sta.A 0+874.8 to Sta.A 0+882.2 at LHS, From Sta.A 0+889.6 to Sta.A 0+897.0 at LHS, From Sta.A 0+907.0 to Sta.A 0+908.1 at LHS and From Sta.A 0+915.5 to Sta.A 0+922.9 at LHS-TC-14/967/A. | NHT | 10/22/2014 | 11/21/14 | 11/5/2014 | 14 | A |
| | TEST-13-00015-NHT-360-A | Test report for seven days of concrete cube compressive strength: -For Foundation of retaining wall from Sta.E 0+045 to Sta.E 0+083 at RHS -TC-14/968/A. | NHT | 10/22/2014 | 11/21/14 | 11/5/2014 | 14 | A |
| | TEST-13-00015-NHT-361-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta.E 0+135 to Sta.E 0+148 at RHS -For step barriers From Sta.A 0+867.4 to Sta.A 0+874.8 at LHS, From Sta.A 0+882.20 to Sta.A 0+889.6 at RHS, From Sta.A 0+897 to Sta.A 0+907 at LHS, From Sta.A 0+908.10 to Sta.A 0+915.50 at RHS and From Sta.A 0+922.90 to Sta.A 0+930.30 at LHS-TC-14/980/A. | NHT | 10/22/2014 | 11/21/14 | 11/5/2014 | 14 | A |
| | TEST-13-00015-NHT-362-A | Test report for seven days of concrete cube compressive strength: -For foundation of butterfly ARV manhole and flow monitoring chamber at Sta.A 1+106 to Sta.A 0+720-TC-14/945/A. | NHT | 10/22/2014 | 11/21/14 | 11/5/2014 | 14 | A |
| | TEST-13-00015-NHT-363-A | Test report for seven days of concrete cube compressive strength: -For Walls of manholes, ARV and butterfly chamber at Sta.A 1+106, Flow monitoring chamber at Sta.A 0720-TC-14/969/A. | NHT | 10/22/2014 | 11/21/14 | 11/5/2014 | 14 | A |
| | TEST-13-00015-NHT-364-A | Geotechnical test report for soil under retaining wall's foundation from Sta.A 1+290 to Sta.A 1+383 at LHS and the pipe culvert crossing road at Sta.A 1+356-ST/14110. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-365-A | Geotechnical test report for soil under retaining wall's foundation from Sta.A 1+260 to Sta.A 1+290 ,from Sta.E 0+106 to Sta.E 0+185 at RHS and from Sta.E 0+045 to Sta.E 0+083 at RHS-ST/14115. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-366-A | Geotechnical test report for soil under boundary wall's foundation from Sta.E 0+501.8 to Sta.E 0+550 at LHS and from Sta.E 0+200 to Sta.E 0+247 at RHS-ST/14126. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-367-A | Test report of core (3/4 inch) asphalt layer for trench reinstatement and road widening from Sta.A 3+420 to Sta.A 5+700-TM/14-216. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-368-A | Test report of core (1 inch) asphalt layer from Sta.A 0+120 to Sta.A 0+480-TM/14-219. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-369-A | Test report of core (3/4 inch) asphalt layer from Sta.A 2+300 to Sta.A 3+100-TM/14-218. | NHT | 10/26/2014 | 11/25/14 | 11/15/2014 | 20 | C |
| | TEST-13-00015-NHT-370-A | Test report (core test) for binder ¾ inch asphalt layer from Sta.B 0+300 to Sta.B 0+680-TM/14-217. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-371-A | Comprehensive test report for second base course layer from Sta.A 0+500 to Sta.A 1+000-TB/14-346. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |

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| | TEST-13-00015-NHT-372-A | Test and retest report of field density and degree of compaction for second base course layer from Sta.A 0+440 to Sta.A 1+300-TFD/14-473 and TFD/14-478. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-373-A | Test report for steel reinforcement (8mm, 10mm, and 12mm) and calculation sheet for area of steel for side walk at Seg B-BM/ST/14047. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-374-A | Test report of filed density and degree of compaction for subgrade material from Sta.A 1+460 to Sta.A 1+760at Sta.A 1+510 C.L, Sta.A 1+610 LHS and Sta.A 1+710 RHS-TFD/14-462. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-375-A | Test report of soil classification and modified proctor for subgrade material from Sta.A 1+460 to Sta.A 1+760-TB/14-345. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | C |
| | TEST-13-00015-NHT-375-B | Test report of soil classification and modified proctor for subgrade material from Sta.A 1+460 to Sta.A 1+840-TB/14-367. | NHT | 11/1/2014 | 12/01/14 | 11/11/2014 | 10 | C |
| | TEST-13-00015-NHT-375-C | Retest report for classification of soil from Sta.A 1+760 to Sta.A 1+800-TB/14-371. | NHT | 11/6/2014 | 12/06/14 | 11/11/2014 | 5 | C |
| | TEST-13-00015-NHT-375-D | Test report of soil classification, modified proctor, and California bearing ratio for subgrade of road from Sta. A1+600 to Sta. A1+850 -TB/14-406. | NHT | 11/26/2014 | 12/26/14 | 12/14/2014 | 18 | A |
| | TEST-13-00015-NHT-376-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers from Sta.A 0+937.70 to Sta.A 0+945.10 , from Sta.A 0+952.5 to Sta.A 0+959.90 and from Sta.A 0+967.3 to Sta.A 0+974.70 at LHS-TC-14/985/A. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-377-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+945.10 to Sta.A 0+952.5 at LHS, From Sta.A 0+959.9 to Sta.A 0+967.30 at LHS, from Sta.A 0+930 to Sta.A 0+937.40 at RHS and From Sta.A 0+944.80 to Sta.A 0+952.20 at RHS.<br>-For stem of retaining wall from Sta.E 0+045 to Sta.E 0+057 and from Sta.E 0+070 to Sta.E 0+083 at RHS-TC-14/991/A. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-378-A | Test report for (28 days ) of concrete cube compressive strength:<br>-For retaining wall's foundation from Sta.A 1+250 to Sta.A 1+290 at LHS.<br>-For step barriers-segment A From Sta.A 0+578.40 to Sta.A 0+585.60 at LHS, From Sta.A 0+738.80 to Sta.A 0+746.00 at LHS ,From Sta.A 0+753.20 to Sta.A 0+760.40 at LHS, From Sta.A 0+767.60 to Sta.A 0+774.80 at LHS, From Sta.A 0+785.00 to Sta.A 0+792.20 at LHS ,From Sta.A 0+799.40 to Sta.A 0+806.60 at LHS-TC-14/907/B. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |
| | TEST-13-00015-NHT-379-A | Test report for( 28 days ) of concrete cube compressive strength:<br>-For step barriers-segment A From Sta.A 0+571.20 to Sta.A 0+578.40 at LHS, From Sta.A 0+731.60 to Sta.A 0+738.80 at LHS, From Sta.A 0+792.20 to Sta.A 0+799.40 at LHS-TC-14/909/B. | NHT | 10/26/2014 | 11/25/14 | 11/5/2014 | 10 | A |

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| | TEST-13-00015-NHT-380-A | Test report for seven days of concrete cube compressive strength: -For step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS-TC-14/994/A. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-381-A | Test report for seven days of concrete cube compressive strength: -For step barriers From Sta.A 0+959.60 to Sta.A 0+967 , from Sta.A 0+967 to Sta.A 0+974.40 at RHS and from Sta.A 0+467 to Sta.A 0+474 at LHS-TC-14/1004/A. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-382-A | Test report for (28 days) of concrete cube compressive strength: -For step barriers from Sta.A 0+810 to Sta.A 0+817.20 , from Sta.A 0+824.4 to Sta.A 0+831.6 and from Sta.A 0+838.8 to Sta.A 0+846 at LHS-TC-14/920/B. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-383-A | Test report for (28 days) of concrete cube compressive strength: -For step barriers From Sta.A 0+817.20 to Sta.A 0+824.40 at LHS, From Sta.A 0+831.60 to Sta.A 0+838.80 at LHS, From Sta.A 0+853.20 to Sta.A 0+860.40 at LHS-TC-14/930/B. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-384-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 1+760 to Sta.A 1+870 at Sta.A 1+850 C.L-TFD/14-479. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-385-A | Test report of soil classification and modified proctor for subgrade layer from Sta.A 1+760 to Sta.A 1+870-TB/14-358. | NHT | 10/26/2014 | 11/25/14 | 11/15/2014 | 20 | C |
| | TEST-13-00015-NHT-386-A | Test report of field density and degree of compaction for first backfilling layer behind retaining wall from Sta.E 0+105 to Sta.E 0+185 at RHS-TFD/14-475. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-387-A | Test report of modified proctor for backfilling material from Sta.E 0+105 to Sta.E 0+185-TB/14-363. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-388-A | Test and retest report of field density and degree of compaction for first base course layer from Sta.A. 1+180 to Sta.A 1+300-TFD/14-453 and TFD/14-456. | NHT | 10/26/2014 | 11/25/14 | 11/11/2014 | 16 | A |
| | TEST-13-00015-NHT-389-A | Test report of modified proctor for backfilling material from Sta.A 1+300 to Sta.A 1+400-TB/14-364. | NHT | 10/28/2014 | 11/27/14 | 11/11/2014 | 14 | A |
| | TEST-13-00015-NHT-390-A | Test report of field density and degree of compaction for second backfilling layer from Sta.A 1+300 to Sta.A 1+400-TFD/14-480. | NHT | 10/28/2014 | 11/27/14 | 11/11/2014 | 14 | A |
| | TEST-13-00015-NHT-391-A | Test report of field density and degree of compaction for base course layer from Sta.A 2+020 to Sta.A 2+300-TFD/14-482. | NHT | 10/28/2014 | 11/27/14 | 11/11/2014 | 14 | A |
| | TEST-13-00015-NHT-392-A | Geotechnical test report for soil under retaining wall's foundation from Sta.A 6+574 to Sta.A 6+603 at LHS-ST/14127. | NHT | 10/28/2014 | 11/27/14 | 11/15/2014 | 18 | A |
| | TEST-13-00015-NHT-393-A | Comprehensive test report for first bas course layer from Sta.A 1+000 to Sta.A 1+500-TB/14-334. | NHT | 10/28/2014 | 11/27/14 | 11/13/2014 | 16 | A |
| | TEST-13-00015-NHT-394-A | Test report of field density and degree of compaction for first base course layer from Sta.B 0+000 to Sta.B 0+220-TFD/14-463. | NHT | 10/28/2014 | 11/27/14 | 11/13/2014 | 16 | A |

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| | TEST-13-00015-NHT-395-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+592.80 to Sta.A 0+594.00, From Sta.A 0+620.00 to Sta.A 0+627.20, From Sta.A 0+627.20 to Sta.A 0+634.40 and From Sta.A 0+634.40 to Sta.A 0+641.60 at LHS.<br>-For step barriers From Sta.A 0+641.60 to Sta.A 0+648.80, From Sta.A 0+652.00 to Sta.A 0+659.20, From Sta.A 0+662.20 to Sta.A 0+669.20 and From Sta.A 0+672.20 to Sta.A 0+679.40 at LHS-TC-14/898/A. | NHT | 10/28/2014 | 11/27/14 | 11/13/2014 | 16 | A |
| | TEST-13-00015-NHT-396-A | Test report for (28 days) of concrete cube compressive strength:<br>- For step barriers From Sta.A 0+592.80 to Sta.A 0+594.00, From Sta.A 0+620.00 to Sta.A 0+627.20, From Sta.A 0+627.20 to Sta.A 0+634.40 and From Sta.A 0+634.40 to Sta.A 0+641.60 at LHS.<br>-For step barriers From Sta.A 0+641.60 to Sta.A 0+648.80, From Sta.A 0+652.00 to Sta.A 0+659.20, From Sta.A 0+662.20 to Sta.A 0+669.20 and From Sta.A 0+672.20 to Sta.A 0+679.40 at LHS-TC-14/898/B. | NHT | 10/28/2014 | 11/27/14 | 11/13/2014 | 16 | A |
| | TEST-13-00015-NHT-397-A | Test report for radiographic tees (3 inch/2 inch), joint Number from J21 to J45, CRSJ1 and CRSJ2-8139868/14. | NHT | 10/29/2014 | 11/28/14 | 11/15/2014 | 17 | A |
| | TEST-13-00015-NHT-398-A | Test report of core samples for foundation, walls. Roof of two pre cast manhole (washout at Sta.A 3+580 and washout at Sta.A 5+477)-TCC/14-027. | NHT | 10/29/2014 | 11/28/14 | 11/18/2014 | 20 | C |
| | TEST-13-00015-NHT-399-A | Test report of modified proctor for subgrade material of road from Sta.A 0+080 to Sta.A 0+120-TB/14-368. | NHT | 10/29/2014 | 11/28/14 | 11/13/2014 | 15 | A |
| | TEST-13-00015-NHT-400-A | Test report of field density and degree of compaction for subgrade of road from Sta.A 0+080 to Sta.A 0+120-TFD/14-484. | NHT | 10/29/2014 | 11/28/14 | 11/15/2014 | 17 | A |
| | TEST-13-00015-NHT-401-A | Test report of field density and degree of compaction for base course layer from Sta.A 1+460 to Sta.A 1+840 -TFD/14-483. | NHT | 10/29/2014 | 11/28/14 | 11/15/2014 | 17 | A |
| | TEST-13-00015-NHT-402-A | Test report of filed density and degree of compaction for third backfilling layer behind the retaining wall from Sta.E 0+105 to Sta.E 0+165 at RHS-TFD/14-485. | NHT | 10/29/2014 | 11/28/14 | 11/15/2014 | 17 | A |
| | TEST-13-00015-NHT-403-A | Test report of filed density and degree of compaction for second backfilling layer behind the retaining wall from Sta.E 0+105 to Sta.E 0+165 at RHS-TFD/14-481. | NHT | 10/29/2014 | 11/28/14 | 11/15/2014 | 17 | A |
| | TEST-13-00015-NHT-404-A | Test report for( 28 days ) of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+860.0 to Sta.A 0+867.4 at LHS, From Sta.A 0+874.8 to Sta.A 0+882.2 at LHS, From Sta.A 0+889.6 to Sta.A 0+897.0 at LHS, From Sta.A 0+907.0 to Sta.A 0+908.1 at LHS and From Sta.A 0+915.5 to Sta.A 0+922.9 at LHS-TC-14/967/B. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-405-A | Test report for (28 days ) of concrete cube compressive strength:<br>-For Foundation of retaining wall from Sta.E 0+045 to Sta.E 0+083 at RHS -TC-14/968/B. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |

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| | TEST-13-00015-NHT-406-A | Test report for (28 days ) of concrete cube compressive strength: -For Walls of manholes, ARV and butterfly chamber at Sta.A 1+106, Flow monitoring chamber at Sta.A 0720-TC-14/969/B. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-407-A | Test report of asphalt (3/4) inch from Sta.A 0+460 to Sta.A 0+720-TM/14-227. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-408-A | Comprehensive test report for base course material from Sta.A 1+500 to Sta.A 2+000-TB/14-365. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-409-A | Comprehensive test report for base course material for side walk from Sta.B 0+300 to Sta.B 0+680-TB/14-366. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-410-A | Test report of filed density and degree of compaction for side walk from Sta.B 0+300 to Sta.B 0+680 at Sta.B 0+440 RHS, Sta.B 0+340 LHS and Sta.B 0+500 RHS-TFD/14-487. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-411-A | Test report of field density and degree of compaction second base course layer from Sta.B 0+000 to Sta.B 0+220 at Sta.B 0+080 C.L and Sta.B 0+180 RHS - TFD/14-466. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-412-A | Test report of field density and degree of compaction base course layer of road from Sta.A 3+100to Sta.A 3+240 at Sta.A 3+200 LHS and Sta.A 3+140 LHS - TFD/14-467. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-413-A | Test report for seven days of concrete cube compressive strength: -For one side shutter of stone wall protection up to 180 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHSTC-14/1014/A. | NHT | 11/02/14 | 12/02/14 | 11/19/2014 | 17 | A |
| | TEST-13-00015-NHT-414-A | Test report for( 28 days ) of concrete cube compressive strength: -For stem of retaining wall from Sta.A 1+270 to Sta.A 1+290. -For step barriers From Sta.A 0+824.4 to Sta.A 0+831.6 at LHS, From Sta.A 0+837.8 to Sta.A 0+845 at LHS, From Sta.A 0+846 to Sta.A 0+853.2 at LHS TC-14/943/B. | NHT | 11/3/2014 | 12/03/14 | 11/24/2014 | 21 | A |
| | TEST-13-00015-NHT-415-A | Test report for( 28 days ) of concrete cube compressive strength: -For stem of retaining wall-segment E From Sta.E 0+121 to Sta.E 0+135 at RHS-TC-14/948/B. | NHT | 11/3/2014 | 12/03/14 | 11/24/2014 | 21 | A |
| | TEST-13-00015-NHT-416-A | Test report for seven days of concrete cube compressive strength: -For boundary wall's foundation from Sta.B 0+594 to Sta.B 0+607 at LHS-TC-14/1023/A. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |
| | TEST-13-00015-NHT-417-A | Test report of Asphalt (3/4) inch from Sta.A 3+100 to Sta.A 3+240 and from Sta.B 0+000 to Sta.B 0+300 -TM/14-224. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |
| | TEST-13-00015-NHT-418-A | Test report of Asphalt (3/4) inch from Sta.A 1+470 to Sta.A 1+600 and from Sta.A 2+020 to Sta.A 2+240 -TM/14-233. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |

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| | TEST-13-00015-NHT-419-A | Test report of Asphalt (3/4) inch from Sta.A 1+180 to Sta.A 1+300 and from Sta.A 2+020 to Sta.A2+270 -TM/14-232. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | C |
| | TEST-13-00015-NHT-419-B | Test report of Asphalt (3/4) inch from Sta. A1+180 to Sta. A1+300 and from Sta. A2+020 to Sta. A2+270 -TM/14-232. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | C |
| | TEST-13-00015-NHT-419-C | Test report of Asphalt (3/4) inch from Sta. A1+480 to Sta. A1+600 and from Sta. A2+020 to Sta. A2+270 -TM/14-232. | NHT | 12/30/2014 | 01/29/15 | 1/14/2015 | 15 | C |
| | TEST-13-00015-NHT-419-D | Comprehensive test report of Asphalt (3/4) inch from Sta. A1+480 to Sta. A1+600 and from Sta. A2+020 to Sta. A2+270.<br>-Retest report (plate test) of Asphalt (3/4) inch from Sta. A1+480 to Sta. A1+600 and from Sta. A2+020 to Sta. A2+270-TM/14-232 and TM/15-011. | NHT | 1/28/2015 | 02/27/15 | 2/9/2015 | 12 | A |
| | TEST-13-00015-NHT-420-A | Test report of Asphalt (3/4) inch from Sta.A 0+930 to Sta.A 1+180 -TM/14-230. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |
| | TEST-13-00015-NHT-421-A | Test report of Asphalt (3/4) inch from Sta.A 0+720 to Sta.A 0+930 -TM/14-229. | NHT | 11/4/2014 | 12/04/14 | 11/24/2014 | 20 | A |
| | TEST-13-00015-NHT-422-A | Test report for (seven days) of concrete cube compressive strength:<br>-For stone wall protection Sta.E 0+600 to Sta.E 0+590, From Sta.E 0+580 to Sta.E 0+570 and from Sta.E 0+560 to Sta.E 0+550 at LHS.<br>-For boundary wall's foundation from Sta.E 0+200 to Sta.E 0+220 at RHS-TC-14/1030/A. | NHT | 11/6/2014 | 12/06/14 | 11/25/2014 | 19 | A |
| | TEST-13-00015-NHT-423-A | Test report for (seven days) of concrete cube compressive strength:<br>-For side walk from Sta.B 0+366 to Sta.B 0+516 at RHS and from Sta.B 0+321 to Sta.B 0+450 at LHS-TC-14/1032/A. | NHT | 11/6/2014 | 12/06/14 | 11/25/2014 | 19 | A |
| | TEST-13-00015-NHT-424-A | Test report concrete of field density and degree of compaction for first base coarse layer from Sta.B 0+380 to Sta.B 0+680 -TFD-14-412. | NHT | 11/6/2014 | 12/06/14 | 11/25/2014 | 19 | C |
| | TEST-13-00015-NHT-424-B | Test report of field density and degree of compaction for first base coarse layer from Sta.B 0+380 to Sta.B 0+680 -TFD-14-412. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-425-A | Test report for soil of classification from Sta.A.6+200 to Sta.A.6+800–TB/14-374. | NHT | 11/6/2014 | 12/06/14 | 11/11/2014 | 5 | C |
| | TEST-13-00015-NHT-426-A | Test report of sieve analysis for single size from Sta.E 0+020 to Sta.E 0+038 (verification test)-TA/14/042. | NHT | 11/8/2014 | 12/08/14 | 11/25/2014 | 17 | A |
| | TEST-13-00015-NHT-427-A | Test report of sieve analysis for single size and bedding material from Sta.A6+500 to Sta.A7+000 (verification test)-TA/14/040. | NHT | 11/8/2014 | 12/08/14 | 11/25/2014 | 17 | A |
| | TEST-13-00015-NHT-428-A | Test report for seven days of concrete cube compressive strength:<br>-For concrete support at segment D S47, S48 ….and S57–TC-14/1025/A. | NHT | 11/8/2014 | 12/08/14 | 11/25/2014 | 17 | A |
| | TEST-13-00015-NHT-429-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of boundary wall from Sta.B 0+880 to Sta.B 0+913 and from Sta.B 0+918 to Sta.B 0+925 at RHS–TC-14/1026/A. | NHT | 11/8/2014 | 12/08/14 | 11/25/2014 | 17 | A |

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| | TEST-13-00015-NHT-430-A | Test report for seven days of concrete cube compressive strength:<br>-For stone wall protection-segment E up to 2.4 m high from Sta.E 0+600 to Sta.E 0+590 and From Sta.E 0+580 to Sta.E 0+570 at LHS.<br>-For stem of boundary wall from Sta.E 0+247 to Sta.E 0+234 and from Sta.E 0+222 to Sta.E 0+210–TC-14/1035/A. | NHT | 11/8/2014 | 12/08/14 | 11/25/2014 | 17 | A |
| | TEST-13-00015-NHT-431-A | Classification test report for subgrade of road from Sta.B 0+680 to Sta.B 0+980–ST/14586. | NHT | 11/9/2014 | 12/09/14 | 11/11/2014 | 2 | C |
| | TEST-13-00015-NHT-431-B | Test report of CBR, classification, and PI for sub grade for road from Sta. B0+680 to Sta. B0+980-ST/14611. | NHT | 11/24/2014 | 12/24/14 | 12/14/2014 | 20 | A |
| | TEST-13-00015-NHT-432-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+867.4 to Sta.A 0+874.8 at LHS, From Sta.A 0+882.20 to Sta.A 0+889.6 at RHS, From Sta.A 0+897 to Sta.A 0+907 at LHS,From Sta.A 0+908.10 to Sta.A 0+915.50 at LHS and From Sta.A 0+922.90 to Sta.A 0+930.30 at LHS.<br>-For stem of retaining wall from Sta.E 0+135 to Sta.E 0+148 at RHS–TC-14/980/B. | NHT | 11/10/2014 | 12/10/14 | 11/25/2014 | 15 | A |
| | TEST-13-00015-NHT-433-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of boundary wall from Sta.B 0+880 to Sta.B 0+930–TC-14/1052/A. | NHT | 11/10/2014 | 12/10/14 | 11/25/2014 | 15 | A |
| | TEST-13-00015-NHT-434-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers from Sta.A 0+937.70 to Sta.A 0+945.10 , from Sta.A 0+952.5 to Sta.A 0+959.90 and from Sta.A 0+967.3 to Sta.A 0+974.70 at LHS-TC-14/985/B. | NHT | 11/12/2014 | 12/12/14 | 11/25/2014 | 13 | A |
| | TEST-13-00015-NHT-435-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers From Sta.A 0+945.10 to Sta.A 0+952.5 at LHS, From Sta.A 0+959.9 to Sta.A 0+967.30 at LHS, from Sta.A 0+930 to Sta.A 0+937.40 at RHS and From Sta.A 0+944.80 to Sta.A 0+952.20 at RHS.<br>-For stem of retaining wall from Sta.E 0+045 to Sta.E 0+057 and from Sta.E 0+070 to Sta.E 0+083 at RHS-TC-14/991/B. | NHT | 11/12/2014 | 12/12/14 | 11/25/2014 | 13 | A |
| | TEST-13-00015-NHT-436-A | Test report for seven days of concrete cube compressive strength:<br>-For wall of combination (butterfly and washout) manholes at Sta.A 3+850–TC-14/1034/A. | NHT | 11/12/2014 | 12/12/14 | 11/25/2014 | 13 | C |
| | TEST-13-00015-NHT-436-B | Test report for seven days of concrete cube compressive strength:<br>-For wall of combination (butterfly and washout) manholes at Sta.A 3+850–TC-14/1034/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-437-A | Test report for (28 days ) of concrete cube compressive strength:<br>-For step barriers from Sta.A 0+937.40 to Sta.A 0+944.80 and from Sta.A 0+952.20 to Sta.A 0+959.60 at RHS-TC-14/994/B. | NHT | 11/13/2014 | 12/13/14 | 11/25/2014 | 12 | A |

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| | TEST-13-00015-NHT-438-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta.E 0+234 to Sta.E 0+220 and from Sta.E 0+210 to Sta.E 0+200-TC-14/1057/A. | NHT | 11/13/2014 | 12/13/14 | 11/25/2014 | 12 | A |
| | TEST-13-00015-NHT-439-A | Test report for seven days of concrete cube compressive strength: -For side walks – segment B-TC-14/1056/A. | NHT | 11/13/2014 | 12/13/14 | 11/25/2014 | 12 | A |
| | TEST-13-00015-NHT-440-A | Test report for seven days of concrete cube compressive strength: -For one side shutter of stone wall protection up to 180 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS-TC-14/1015/A. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | A |
| | TEST-13-00015-NHT-441-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall-segment E From Sta.E 0+121 to Sta.E 0+135 at RHS.-TC-14/948/A. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | A |
| | TEST-13-00015-NHT-442-A | Test report for seven days of concrete cube compressive strength: -For one side shutter of stone wall protection up to 60 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS.-TC-14/1009/A. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | A |
| | TEST-13-00015-NHT-443-A | Test report for seven days of concrete cube compressive strength: -For one side shutter of stone wall protection up to 120 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS-TC-14/1016/A. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | A |
| | TEST-13-00015-NHT-444-A | Test report for seven days of concrete cube compressive strength: -For stem of boundary wall from Sta.B 0+594 to Sta.B 0+607 at LHS-TC-14/1033/A. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | A |
| | TEST-13-00015-NHT-445-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of butterfly ARV manhole and flow monitoring chamber at Sta.A 1+106 to Sta.A 0+720-TC-14/945/B. | NHT | 11/15/2014 | 12/15/14 | 11/25/2014 | 10 | C |
| | TEST-13-00015-NHT-445-B | Test report for (28 days) of concrete cube compressive strength: -For foundation of butterfly ARV manhole and flow monitoring chamber at Sta.A 1+106 to Sta.A 0+720-TC-14/945/B. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-446-A | Test report of modified proctor for sub grade material from Sta.A 6+620 to Sta.A 6+780-TB/14-390. | NHT | 11/17/2014 | 12/17/14 | 11/25/2014 | 8 | A |
| | TEST-13-00015-NHT-447-A | Test report of field density and degree of compaction for sub grade material from Sta.A 6+620 to Sta.A 6+780 -TFD/14-502. | NHT | 11/17/2014 | 12/17/14 | 11/25/2014 | 8 | A |
| | TEST-13-00015-NHT-448-A | Test report of modified proctor for sub grade material from Sta.B0+740 to Sta.B0+980-TB/14-394. | NHT | 11/17/2014 | 12/17/14 | 11/25/2014 | 8 | A |

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| | TEST-13-00015-NHT-449-A | Test report of field density and degree of compaction for sub grade material from Sta.B0+740 to Sta.B0+980 -TFD/14-501 and -TFD/14-507. | NHT | 11/17/2014 | 12/17/14 | 11/25/2014 | 8 | A |
| | TEST-13-00015-NHT-450-A | Test report of field density and degree of compaction for sub grade material from Sta.A6+400 to Sta.A6+620-TFD/14-505. | NHT | 11/17/2014 | 12/17/14 | 11/25/2014 | 8 | A |
| | TEST-13-00015-NHT-451-A | Test report for (28 days) of concrete cube compressive strength:<br>-For one side shutter of stone wall protection up to 120 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS-TC-14/1016/B. | NHT | 11/19/2014 | 12/19/14 | 11/26/2014 | 7 | A |
| | TEST-13-00015-NHT-452-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of boundary wall From Sta.E 0+501 to Sta.E 0+511 at LHS.<br>-For stem of boundary wall From Sta.E 0+637 to Sta.E 0+653 at LHS.<br>-For stem of boundary wall From Sta.E 0+718 to Sta.E 0+732 at LHS-TC-14/1085/A. | NHT | 11/19/2014 | 12/19/14 | 11/26/2014 | 7 | A |
| | TEST-13-00015-NHT-453-A | Test report for (28 days) of concrete cube compressive strength:<br>-For one side shutter of stone wall protection up to 60 cm from Sta.E 0+610 to Sta.E 0+600, From Sta.E 0+590 to Sta.E 0+580, From Sta.E 0+570 to Sta.E 0+560 and from Sta.E 0+550 to Sta.E 0+540 at LHS-TC-14/1009/B. | NHT | 11/19/2014 | 12/19/14 | 11/26/2014 | 7 | A |
| | TEST-13-00015-NHT-454-A | Test report for seven days of concrete cube compressive strength:<br>-For side walk – segment B-TC-14/1076/A. | NHT | 11/19/2014 | 12/19/14 | 11/26/2014 | 7 | A |
| | TEST-13-00015-NHT-455-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of boundary wall From Sta.B 0+279 to Sta.B 0+314 at RHS-TC-14/1086/A. | NHT | 11/19/2014 | 12/19/14 | 11/26/2014 | 7 | A |
| | TEST-13-00015-NHT-456-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of boundary wall From Sta. B0+640 to Sta. B0+678 at LHS-TC-14/1096/A. | NHT | 11/20/2014 | 12/20/14 | 11/25/2014 | 5 | A |
| | TEST-13-00015-NHT-457-A | Test report for (28 days) of concrete cube compressive strength:<br>-For one side shutter of stone wall protection up to 180 cm from Sta. E0+610 to Sta. E0+600, From Sta. E0+590 to Sta. E0+580, From Sta. E0+570 to Sta. E0+560 and from Sta. E0+550 to Sta. E0+540 at LHS-TC-14/1015/B. | NHT | 11/20/2014 | 12/20/14 | 11/25/2014 | 5 | A |
| | TEST-13-00015-NHT-458-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers From Sta. A0+959.60 to Sta. A0+967 , from Sta. A0+967 to Sta. A0+974.40 at RHS and from Sta. A0+467 to Sta. A0+474 at LHS-TC-14/1004/B. | NHT | 11/20/2014 | 12/20/14 | 11/25/2014 | 5 | A |
| | TEST-13-00015-NHT-459-A | Test report of gradation, liquid limit, plastic limit, and plasticity index of soils, modified proctor, and (CBR) for topping material at Sta. A0+400 –TB/14-392. | NHT | 11/20/2014 | 12/20/14 | 11/26/2014 | 6 | C |

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| | TEST-13-00015-NHT-459-B | Test report of gradation for topping material at Sta. A0+400 –TB/15-004. | NHT | 1/26/2015 | 02/25/15 | 2/11/2015 | 16 | A |
| | TEST-13-00015-NHT-460-A | Test report of core (3/4 inch) asphalt layer from Sta. A0+480 to Sta. A1+250-TM/14-244. | NHT | 11/20/2014 | 12/20/14 | 12/11/2014 | 21 | C |
| | TEST-13-00015-NHT-461-A | Test report of modified proctor for sub grade material from Sta. A3+240 to Sta. A3+340-TB/14-409. | NHT | 11/22/2014 | 12/22/14 | 11/26/2014 | 4 | A |
| | TEST-13-00015-NHT-462-A | Test report of field density and degree of compaction for sub grade material from Sta. A3+240 to Sta.A3+340-TFD/14-514. | NHT | 11/22/2014 | 12/22/14 | 11/26/2014 | 4 | A |
| | TEST-13-00015-NHT-463-A | Test report of field density and degree of compaction for sub grade material from Sta. A1+300 to Sta.A1+440-TFD/14-513. | NHT | 11/22/2014 | 12/22/14 | 11/26/2014 | 4 | A |
| | TEST-13-00015-NHT-464-A | Test report for (28 days) of concrete cube compressive strength: -For concrete support at segment D S47, S48 ….and S57–TC-14/1025/B. | NHT | 11/24/2014 | 12/24/14 | 11/26/2014 | 2 | A |
| | TEST-13-00015-NHT-465-A | Test report for (28 days) of concrete cube compressive strength: -For boundary wall's foundation from Sta. B0+594 to Sta. B0+607 at LHS -TC-14-1023/B. | NHT | 11/23/2014 | 12/23/14 | 11/26/2014 | 3 | A |
| | TEST-13-00015-NHT-466-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of boundary wall from Sta. B0+880 to Sta. B0+913 and from Sta. B0+918 to Sta. B0+925 at RHS–TC-14/1026/B. | NHT | 11/24/14 | 12/24/14 | 11/26/2014 | 2 | A |
| | TEST-13-00015-NHT-467-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall From Sta. A6+515 to Sta. A6+525 and from Sta. A6+535 to Sta. A6+545 at LHS-TC-14/1097/A. | NHT | 11/24/14 | 12/24/14 | 11/26/2014 | 2 | A |
| | TEST-13-00015-NHT-468-A | Test report of modified proctor for topping material for road from Sta. A6+400 to Sta. A6+600 –TB/14-410. | NHT | 11/24/14 | 12/24/14 | 11/26/2014 | 2 | A |
| | TEST-13-00015-NHT-469-A | Test report of field density and degree of compaction for topping material of road from Sta. A6+400 to Sta. A6+600-TFD/14-516. | NHT | 11/24/14 | 12/24/14 | 11/26/2014 | 2 | A |
| | TEST-13-00015-NHT-470-A | Test report of gradation, liquid limit, plastic limit, and plasticity index of soils, modified proctor, and (CBR) for topping material from Sta. A1+300 to Sta. A1+440–TB/14-407. | NHT | 11/25/2014 | 12/25/14 | 12/4/2014 | 9 | A |
| | TEST-13-00015-NHT-471-A | Test report of field density and degree of compaction for topping material of road from Sta. A1+300 to Sta. A1+440-TFD/14-513. | NHT | 11/25/2014 | 12/25/14 | 12/4/2014 | 9 | A |
| | TEST-13-00015-NHT-472-A | Test report of soil classification, modified proctor, and California bearing ratio for subgrade of road from Sta. E0+040 to Sta. E0+240 -TB/14-402. | NHT | 11/25/2014 | 12/25/14 | 11/26/2014 | 1 | A |
| | TEST-13-00015-NHT-473-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. A6+505 to Sta. A6+515 and from Sta. A6+525 to Sta. A6+535 at LHS-TC-14/1110/A. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-474-A | Test report for seven days of concrete cube compressive strength: -For parapet wall from Sta. E0+540 to Sta. E0+620 at LHS -TC-14/1117/A. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |

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| | TEST-13-00015-NHT-475-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stone wall protection Sta. E0+600 to Sta. E0+590, From Sta. E0+580 to Sta. E0+570 and from Sta. E0+560 to Sta. E0+550 at LHS.<br>-For boundary wall's foundation from Sta. E0+200 to Sta. E0+220 at RHS-TC-14/1030/B. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-476-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of boundary wall from Sta. B0+594 to Sta. B0+607 at LHS-TC-14/1033/B. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-477-A | Test report for (28 days) of concrete cube compressive strength:<br>-For side walk from Sta. B0+366 to Sta. B0+516 at RHS and from Sta. B0+321 to Sta. B0+450 at LHS-TC-14/1032/B. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-478-A | Test report of field density and degree of compaction for sub grade material of road from Sta. E0+040 to Sta. E0+140-TFD/14-519. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-479-A | Test report of modified proctor for sub grade material for road from Sta. E0+040 to Sta. E0+140 –TB/14-415. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | E |
| | TEST-13-00015-NHT-480-A | Test report of field density and degree of compaction for base course material of road from Sta. A1+300 to Sta. A1+440-TFD/14-522. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | C |
| | TEST-13-00015-NHT-480-B | Test report of field density and degree of compaction for first base course layer of road from Sta. A1+300 to Sta. A1+420-TFD/14-546. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-481-A | Test report of field density and degree of compaction for sub grade material of road from Sta. A6+240 to Sta. A6+400-TFD/14-521. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | C |
| | TEST-13-00015-NHT-481-B | Test report of field density and degree of compaction for sub grade material of road from Sta. A6+240 to Sta. A6+400-TFD/14-532. | NHT | 12/8/2014 | 01/07/15 | 12/29/2014 | 21 | A |
| | TEST-13-00015-NHT-482-A | Test report of modified proctor for sub grade material for road from Sta. A6+240 to Sta. A6+400 –TB/14-416. | NHT | 11/26/2014 | 12/26/14 | 11/26/2014 | 0 | A |
| | TEST-13-00015-NHT-483-A | Test report of sieve analysis for bedding and single size materials from Sta. A 7+000 to Sta. A7+500-TA/14/046. | NHT | 11/27/2014 | 12/27/14 | 12/4/2014 | 7 | A |
| | TEST-13-00015-NHT-484-A | Test report of sieve analysis for bedding and single size materials from Sta. C 0+000 to Sta. C0+320-TA/14/045. | NHT | 11/27/2014 | 12/27/14 | 12/4/2014 | 7 | A |
| | TEST-13-00015-NHT-485-A | Test report of field density and degree of compaction for topping material from Sta. E0+140 to Sta. E0+240-TFD/14-520. | NHT | 11/27/2014 | 12/27/14 | 12/4/2014 | 7 | A |
| | TEST-13-00015-NHT-486-A | Test and retest report of gradation, liquid limit, plastic limit, and plasticity index of soils and modified proctor for topping material from Sta. E0+040 to Sta. E0+240–TB/14-411and TB/14-417. | NHT | 11/27/2014 | 12/27/14 | 12/9/2014 | 12 | A |
| | TEST-13-00015-NHT-487-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stone wall protection-segment E up to 2.4 m high from Sta. E0+600 to Sta. E0+590 and From Sta. E0+580 to Sta.E 0+570 at LHS.<br>-For stem of boundary wall from Sta. E0+247 to Sta. E0+234 and from Sta. E0+222 to Sta. E0+210–TC-14/1035/B. | NHT | 11/30/2014 | 12/30/14 | 12/18/2014 | 18 | A |

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| | TEST-13-00015-NHT-488-A | Test report for (28 days) of concrete cube compressive strength: -For wall of combination (butterfly and washout) manholes at Sta. A3+850–TC-14/1034/B. | NHT | 11/30/2014 | 12/30/14 | 12/18/2014 | 18 | C |
| | TEST-13-00015-NHT-488-B | Test report for (28 days) of concrete cube compressive strength: -For wall of combination (butterfly and washout) manholes at Sta. A3+850–TC-14/1034/B. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-489-A | Test report for seven days of concrete cube compressive strength: -For foundation of flow monitoring valve at Sta. A5+365 at RHS-TC-14/1122/A. | NHT | 11/30/2014 | 12/30/14 | 12/18/2014 | 18 | C |
| | TEST-13-00015-NHT-489-B | Test report for seven days of concrete cube compressive strength: -For foundation of flow monitoring valve at Sta. A5+365 at RHS-TC-14/1122/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-490-A | Test report for seven days of concrete cube compressive strength: -For stem of boundary wall From Sta. B0+279 to Sta. B0+314 at RHS and from Sta. B0+640 to Sta. B0+657.5 at LHS -TC-14/1124/A. | NHT | 11/30/2014 | 12/30/14 | 12/18/2014 | 18 | A |
| | TEST-13-00015-NHT-491-A | Test report for (28 days) of concrete cube compressive strength: -For stem of boundary wall from Sta. B0+880 to Sta. B0+930–TC-14/1052/B. | NHT | 11/30/2014 | 12/30/14 | 12/18/2014 | 18 | A |
| | TEST-13-00015-NHT-492-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of boundary wall from Sta. E0+501 to Sta. E0+520 at LHS–TC-14/1055/B. | NHT | 12/3/2014 | 01/02/15 | 12/21/2014 | 18 | A |
| | TEST-13-00015-NHT-493-A | Test report for (28 days) of concrete cube compressive strength: -For sidewalks – segment B-TC-14/1056/B. | NHT | 12/3/2014 | 01/02/15 | 12/21/2014 | 18 | A |
| | TEST-13-00015-NHT-494-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. E0+234 to Sta. E0+220 and from Sta. E0+210 to Sta. E0+200-TC-14/1057/B. | NHT | 12/03/14 | 01/02/15 | 12/21/2014 | 18 | A |
| | TEST-13-00015-NHT-495-A | Test report of field density and degree of compaction for topping material from Sta. E0+040 to Sta.E0+200-TFD/14-527. | NHT | 12/03/14 | 01/02/15 | 12/21/2014 | 18 | A |
| | TEST-13-00015-NHT-496-A | Test report of sieve analysis for bedding and single size materials from Sta. A 7+500 to Sta. A8+000-TA/14/047. | NHT | 12/7/2014 | 01/06/15 | 12/22/2014 | 15 | C |
| | TEST-13-00015-NHT-496-B | Retest report of sieve analysis for bedding and single size materials from Sta. A 7+500 to Sta. A8+000-TA/14/051. | NHT | 1/1/2015 | 01/31/15 | 1/20/2015 | 19 | C |
| | TEST-13-00015-NHT-497-A | Comprehensive test report for base course materials at stockpile at Sta. A6+100 RHS-ST/14632. | NHT | 12/7/2014 | 01/06/15 | 12/21/2014 | 14 | A |
| | TEST-13-00015-NHT-498-A | Comprehensive test report for first base course layer from Sta. A6+000 to Sta. A6+500 -ST/14633. | NHT | 12/7/2014 | 01/06/15 | 12/21/2014 | 14 | A |
| | TEST-13-00015-NHT-499-A | Test report of field density and degree of compaction for topping material from Sta. A6+300 to Sta. A6+400-TFD/14-535. | NHT | 12/8/2014 | 01/07/15 | 12/21/2014 | 13 | A |

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| | TEST-13-00015-NHT-500-A | Test report of field density and degree of compaction for topping material from Sta. A6+600 to Sta. A6+790-TFD/14-531. | NHT | 12/8/2014 | 01/07/15 | 12/23/2014 | 15 | A |
| | TEST-13-00015-NHT-501-A | Test report of modified proctor for topping material for road from Sta. A6+600 to Sta. A6+790 –TB/14-424. | NHT | 12/8/2014 | 01/07/15 | 12/23/2014 | 15 | A |
| | TEST-13-00015-NHT-502-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A2+030 to Sta. A2+250-TM/14-259. | NHT | 12/9/2014 | 01/08/15 | 12/23/2014 | 14 | A |
| | TEST-13-00015-NHT-503-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A2+030 to Sta. A2+250-TM/14-259. | NHT | 12/9/2014 | 01/08/15 | 12/23/2014 | 14 | A |
| | TEST-13-00015-NHT-504-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A3+070 to Sta. A3+225-TM/14-260. | NHT | 12/9/2014 | 01/08/15 | 12/23/2014 | 14 | A |
| | TEST-13-00015-NHT-505-A | Radiographic test report NO.8140562/14 which was performed on Nov 23, 2014. /Attachment: Negative films. | NHT | 12/9/2014 | 01/08/15 | 12/28/2014 | 19 | A |
| | TEST-13-00015-NHT-506-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of boundary wall From Sta. E0+501 to Sta. E0+511 at LHS.<br>-For stem of boundary wall From Sta. E0+637 to Sta. E0+653 at LHS.<br>-For stem of boundary wall From Sta. E0+718 to Sta. E0+732 at LHS-TC-14/1085/B. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-507-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of boundary wall From Sta. B0+279 to Sta .B0+314 at RHS-TC-14/1086/B. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-508-A | Test report for seven days of concrete cube compressive strength:<br>-For flow monitoring chamber At Sta. A5+365 at RHS-TC-14/1175/A. | NHT | 12/10/2014 | 01/09/15 | 12/30/2014 | 20 | C |
| | TEST-13-00015-NHT-508-B | Test report for seven days of concrete cube compressive strength:<br>-For flow monitoring chamber At Sta. A5+365 at RHS-TC-14/1175/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-509-A | Test report for seven days of concrete cube compressive strength:<br>-For stone wall protection up to 80 cm high from Sta. A6+760 to Sta. A6+810 at LHS-TC-14/1172/A. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-510-A | Test and retest report of field density and degree of compaction for first base course layer from Sta. B0+670 to Sta. B0+880-TFD/14-541. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-511-A | Test report of field density and degree of compaction for sub grade material from Sta. B0+670 to Sta. B0+740-TFD/14-540. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-512-A | Comprehensive test report for first base course layer from Sta. B0+500 to Sta. B0+980-TB/14-414. | NHT | 12/10/2014 | 01/09/15 | 12/28/2014 | 18 | A |
| | TEST-13-00015-NHT-513-A | Test report of field density and degree of compaction for first base course layer from Sta. B0+880 to Sta. B0+960-TFD/14-543. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-514-A | Test report for concrete core thickness for side walk Seg-B -TCC/14-030. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-515-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of retaining wall From Sta. A6+515 to Sta. A6+525 and from Sta. A6+535 to Sta. A6+545 at LHS-TC-14/1097/B. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |

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| | TEST-13-00015-NHT-516-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall From Sta. E0+812 to Sta. E0+839 at LHS-TC-14/1192/A. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-517-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of boundary wall From Sta. B0+640 to Sta. B0+678 at LHS-TC-14/1096/B. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-518-A | Comprehensive test report for second base course layer from Sta. B0+500 to Sta. B0+980-TB/14-432. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-519-A | Test report of field density and degree of compaction for second base course layer from Sta. B0+680 to Sta. B0+980-TFD/14-547. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-520-A | Test report for seven days of concrete cube compressive strength: -For foundation of ARV and butterfly valve at Sta. D0+512-TC-14/1191/A. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | C |
| | TEST-13-00015-NHT-520-B | Test report for seven days of concrete cube compressive strength: -For foundation of ARV and butterfly valve at Sta. D0+512-TC-14/1191/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-521-A | Test report for seven days of concrete cube compressive strength: -For foundation of retaining wall From Sta. B0+823 to Sta. B0+859 at RHS-TC-14/1200/A. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-522-A | Test and retest report of field density and degree of compaction for base course material from Sta. A3+240 to Sta. A3+320-TFD/14-528 and TFD/14-544. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-523-A | Test report of field density and degree of compaction for second base course layer from Sta. A1+300 to Sta. A1+420-TFD/14-545. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-524-A | Comprehensive test report for base course material from Sta. E0+000 to Sta. E0+500-TB/14-431. | NHT | 12/14/2014 | 01/13/15 | 12/30/2014 | 16 | A |
| | TEST-13-00015-NHT-525-A | Test report for seven days of concrete cube compressive strength: -For step barriers From Sta. A1+300 to Sta. A1+307.40, from Sta. A1+310.4 to Sta. A1+319.40, and from Sta. A1+326.8 to Sta. A1+334.20 at LHS-TC-14/1202/A. | NHT | 12/15/2014 | 01/14/15 | 12/30/2014 | 15 | A |
| | TEST-13-00015-NHT-526-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. A6+590 to Sta. A6+603 at LHS-TC-14/1176/A. | NHT | 12/15/2014 | 01/14/15 | 12/30/2014 | 15 | A |
| | TEST-13-00015-NHT-527-A | Test report for seven days of concrete cube compressive strength: -For stone wall protection up to 1.4 m high from Sta. A6+760 to Sta. A6+810 at LHS-TC-14/1185/A. | NHT | 12/15/2014 | 01/14/15 | 12/30/2014 | 15 | A |

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| | TEST-13-00015-NHT-528-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta. A1+274 to Sta. A1+281.40, from Sta. A1+285.4 to Sta. A1+292.8, and from Sta. A1+300 to Sta. A1+307.40 at LHS-TC-14/1184/A. | NHT | 12/15/2014 | 01/14/15 | 12/30/2014 | 15 | A |
| | TEST-13-00015-NHT-529-A | Test report for (28 days) of concrete cube compressive strength:<br>-For parapet wall from Sta. E0+540 to Sta. E0+620 at LHS -TC-14/1117/B. | NHT | 12/17/2014 | 01/16/15 | 12/30/2014 | 13 | A |
| | TEST-13-00015-NHT-530-A | Test report for seven days of concrete cube compressive strength:<br>- For walls of manhole at Sta. D0+512-TC-14/1218/A. | NHT | 12/17/2014 | 01/16/15 | 12/30/2014 | 13 | C |
| | TEST-13-00015-NHT-530-B | Test report for seven days of concrete cube compressive strength:<br>-For walls of manhole at Sta. D0+512-TC-14/1218/A. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-531-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers From Sta. A1+319.40 to Sta. A1+326.80, from Sta. A1+292.80 to Sta. A1+300, and from Sta. A1+334.20 to Sta. A1+341.60 at LHS.<br>-For foundation of boundary wall From Sta. E0+640 to Sta. E0+650 at LHS-TC-14/1219/A. | NHT | 12/20/2014 | 01/19/15 | 12/30/2014 | 10 | A |
| | TEST-13-00015-NHT-532-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of boundary wall From Sta. B0+279 to Sta. B0+314 at RHS and from Sta. B0+640 to Sta. B0+657.5 at LHS -TC-14/1124/B. | NHT | 12/20/2014 | 01/19/15 | 12/30/2014 | 10 | A |
| | TEST-13-00015-NHT-533-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of flow monitoring valve at Sta. A5+365 at RHS-TC-14/1122/B. | NHT | 12/20/2014 | 01/19/15 | 12/30/2014 | 10 | C |
| | TEST-13-00015-NHT-533-B | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of flow monitoring valve at Sta. A5+365 at RHS-TC-14/1122/B. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-534-A | Test report for seven days of concrete cube compressive strength:<br>-For ditches from Sta. A0+130 to Sta. A0+430 at LHS-TC-14/1227/A. | NHT | 12/21/2014 | 01/20/15 | 12/30/2014 | 9 | A |
| | TEST-13-00015-NHT-535-A | Test report for soil resistivity from Sta. E0+000 to Sta. E1+390. | NHT | 12/22/2014 | 01/21/15 | 1/6/2015 | 15 | A |
| | TEST-13-00015-NHT-536-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A1+300 to Sta. A1+420-TM/14-271. | NHT | 12/23/2014 | 01/22/15 | 1/4/2015 | 12 | A |
| | TEST-13-00015-NHT-537-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta. B0+823 to Sta. B0+841 at RHS.<br>-For foundation of boundary wall from Sta. E0+167 to Sta. E0+172 at RHS-TC-14/1235/A. | NHT | 12/23/2014 | 01/22/15 | 12/30/2014 | 7 | A |
| | TEST-13-00015-NHT-538-A | Test report for seven days of concrete cube compressive strength:<br>-For stair at Sta. E0+085 at RHS.<br>-For ditches from Sta. A0+430 to Sta. A0+560 at RHS-TC-14/1234/A. | NHT | 12/23/2014 | 01/22/15 | 12/30/2014 | 7 | A |

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| | TEST-13-00015-NHT-539-A | Test report for seven days of concrete cube compressive strength: -For sidewalk from Sta. B0+570 to Sta. B0+670 at RHS-TC-14/1232/A. | NHT | 12/23/2014 | 01/22/15 | 1/4/2015 | 12 | A |
| | TEST-13-00015-NHT-540-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. B0+680 to Sta. B0+960-TM/14-272. | NHT | 12/27/2014 | 01/26/15 | 1/4/2015 | 8 | A |
| | TEST-13-00015-NHT-541-A | Pressure test for water distribution pipe line with house connection from Sta. A1+076 to Sta. E0+200. | NHT | 12/27/2014 | 01/26/15 | 1/14/2015 | 18 | A |
| | TEST-13-00015-NHT-542-A | Pressure test for water distribution pipe line with house connection from Sta. A6+230 to Sta. A6+463. | NHT | 12/27/2014 | 01/26/15 | 1/14/2015 | 18 | A |
| | TEST-13-00015-NHT-543-A | Pressure test for water distribution pipe line with house connection from Sta. A6+470 to Sta. A6+785. | NHT | 12/27/2014 | 01/26/15 | 1/14/2015 | 18 | A |
| | TEST-13-00015-NHT-544-A | Pressure test for water distribution pipe line with house connection from Sta. B0+674 to Sta. B0+998. | NHT | 12/27/2014 | 01/26/15 | 1/14/2015 | 18 | A |
| | TEST-13-00015-NHT-545-A | Test report of field density and degree of compaction for first base course layer from Sta. A6+600 to Sta. A6+790-TFD/14-553. | NHT | 12/27/2014 | 01/26/15 | 1/4/2015 | 8 | A |
| | TEST-13-00015-NHT-546-A | Test and retest report of field density and degree of compaction for first base course layer from Sta. A6+340 to Sta. A6+600-TFD/14-554 and TFD/14-555. | NHT | 12/27/2014 | 01/26/15 | 1/4/2015 | 8 | A |
| | TEST-13-00015-NHT-547-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall From Sta. A6+545 to Sta. A6+555 at LHS-TC-14/1151/B. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-548-A | Test report for (28 days) of concrete cube compressive strength: -For FMC (Flow monitoring chamber) at Sta. A5+365 at RHS-TC-14/1149/B. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | C |
| | TEST-13-00015-NHT-548-B | Test report for (28 days) of concrete cube compressive strength: -For FMC (Flow monitoring chamber) at Sta. A5+365 at RHS-TC-14/1149/B. | NHT | 1/19/2015 | 02/18/15 | 2/5/2015 | 17 | A |
| | TEST-13-00015-NHT-549-A | Test report for seven days of concrete cube compressive strength: -For roof slab of ARV and butterfly valve At Sta. D0+512-TC-14/1237/A. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | C |
| | TEST-13-00015-NHT-549-B | Test report for seven days of concrete cube compressive strength: -For roof slab of ARV and butterfly valve At Sta. D0+512-TC-14/1237/A. | NHT | 1/6/2015 | 02/05/15 | 1/26/2015 | 20 | A |
| | TEST-13-00015-NHT-550-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+980 to Sta. E1+160-TFD/14-556. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-551-A | Test report of field density and degree of compaction for topping material from Sta. E0+-020 to Sta. E0+040-TFD/14-559. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-552-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+-038 to Sta. E0+040-TFD/14-558. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |

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| | TEST-13-00015-NHT-553-A | Test report of field density and degree of compaction for second base course layer from Sta. A6+600 to Sta. A6+790-TFD/14-557. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-554-A | Test report of modified proctor for topping material for road from Sta. E0+-020 to Sta. E0+040 –TB/14-442. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-555-A | Test report of modified proctor for sub grade material for road from Sta. E0+980 to Sta. E1+160 –TB/14-441. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-556-A | Comprehensive test report for second base course layer from Sta. A6+300 to Sta. A6+800-TB/14-439. | NHT | 12/29/2014 | 01/28/15 | 1/4/2015 | 6 | A |
| | TEST-13-00015-NHT-557-A | Test report for seven days of concrete cube compressive strength: -For ditches from Sta. A0+970 to Sta. A1+070 at RHS and from Sta. A0+970 to Sta. A1+070 at LHS-TC-14/1239/A. | NHT | 12/30/2014 | 01/29/15 | 1/15/2015 | 16 | A |
| | TEST-13-00015-NHT-558-A | Test report for seven days of concrete cube compressive strength: -For ditches from Sta. A1+180 to Sta. A1+340 at RHS-TC-14/1248/A. | NHT | 12/30/2014 | 01/29/15 | 1/15/2015 | 16 | A |
| | TEST-13-00015-NHT-559-A | Test report for seven days of concrete cube compressive strength: -For concrete protection from Sta. A1+200 to Sta. A1+250 at LHS-TC-14/1247/A. | NHT | 12/30/2014 | 01/29/15 | 1/15/2015 | 16 | A |
| | TEST-13-00015-NHT-560-A | Test report of field density and degree of compaction for base course material at Sta. A3+150 at RHS-TFD/14-561. | NHT | 12/31/2014 | 01/30/15 | 1/15/2015 | 15 | A |
| | TEST-13-00015-NHT-561-A | Test and retest report of field density and degree of compaction for second base course layer from Sta. A6+340 to Sta. A6+600-TFD/14-562 and TFD/14-567. | NHT | 12/31/2014 | 01/30/15 | 1/15/2015 | 15 | A |
| | TEST-13-00015-NHT-562-A | Test report for seven days of concrete cube compressive strength: -For foundation of boundary wall (L-shape) from Sta. E0+032 to Sta. E0+063 at LHS-TC-14-1249/A. | NHT | 1/1/2015 | 01/31/15 | 1/15/2015 | 14 | A |
| | TEST-13-00015-NHT-563-A | Test report of field density and degree of compaction for first layer of fill material behind the wall from Sta. B0+823 to Sta. B0+859-TFD/14-560. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |
| | TEST-13-00015-NHT-564-A | Test report of field density and degree of compaction for second layer of fill material behind the wall from Sta. B0+823 to Sta. B0+859-TFD/14-564. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |
| | TEST-13-00015-NHT-565-A | Test report of field density and degree of compaction for third layer of fill material behind the wall from Sta. B0+823 to Sta. B0+859-TFD/14-566. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |
| | TEST-13-00015-NHT-566-A | Test report of modified proctor for first layer of fill material behind the wall from Sta. B0+823 to Sta. B0+859-TB/14-443. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |
| | TEST-13-00015-NHT-567-A | Test report of modified proctor for second layer of fill material behind the wall from Sta. B0+823 to Sta. B0+859-TB/14-445. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |
| | TEST-13-00015-NHT-568-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A6+574 to Sta. A6+590 at LHS-TC-14/1171/B. | NHT | 1/1/2015 | 01/31/15 | 1/14/2015 | 13 | A |

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| | TEST-13-00015-NHT-569-A | Test report for (28 days) of concrete cube compressive strength:<br>- For stone wall protection up to 80 cm high from Sta. A6+760 to Sta. A6+810 at LHS-TC-14/1172/B. | NHT | 1/1/2015 | 01/31/15 | 1/20/2015 | 19 | A |
| | TEST-13-00015-NHT-570-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of retaining wall from Sta. B0+841 to Sta. B0+859 at RHS-LHS-TC-14/1259/A. | NHT | 1/1/2015 | 01/31/15 | 1/20/2015 | 19 | A |
| | TEST-13-00015-NHT-571-A | Test report of sieve analysis for bedding materials and single size for Battir water pipeline-TA/14/050. | NHT | 1/1/2015 | 01/31/15 | 1/20/2015 | 19 | A |
| | TEST-13-00015-NHT-572-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stone wall protection up to 1.4 m high from Sta. A6+760 to Sta. A6+810 at LHS-TC-14/1185/B. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-573-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers From Sta. A1+274 to Sta. A1+281.40, from Sta. A1+285.4 to Sta. A1+292.8, and from Sta. A1+300 to Sta. A1+307.40 at LHS-TC-14/1184/B. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-574-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of retaining wall from Sta. A6+590 to Sta. A6+603 at LHS-TC-14/1176/B. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-575-A | Test report for seven days of concrete cube compressive strength:<br>-For step barriers from Sta. A1+357.20 to Sta. A1+364.40 and from Sta. A1+371.60 to Sta. A1+378.80 at LHS-TC-14/1271/A | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-576-A | Test and retest report of field density and degree of compaction for base course material from Sta. E0+-020 to Sta. E0+240-TFD/14-563, TFD/14-568 and TFD/15-003. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-577-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+980 to Sta. E0+920-TFD/15-004. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-578-A | Test report of modified proctor for sub grade material for road from Sta. E0+980 to Sta. E0+920 –TB/15-002. | NHT | 1/4/2015 | 02/03/15 | 1/22/2015 | 18 | A |
| | TEST-13-00015-NHT-579-A | Test and retest report of soil classification for fill material from Sta. E1+020 to Sta. E1+040-TB/14-440 and TB/14-444. | NHT | 1/5/2015 | 02/04/15 | 1/22/2015 | 17 | A |
| | TEST-13-00015-NHT-580-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers From Sta. A1+300 to Sta. A1+307.40, from Sta. A1+310.4 to Sta. A1+319.40, and from Sta. A1+326.8 to Sta. A1+334.20 at LHS-TC-14/1202/B. | NHT | 1/5/2015 | 02/04/15 | 1/22/2015 | 17 | A |
| | TEST-13-00015-NHT-581-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of retaining wall From Sta. B0+823 to Sta. B0+859 at RHS-TC-14/1200/B. | NHT | 1/5/2015 | 02/04/15 | 1/22/2015 | 17 | A |

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| | TEST-13-00015-NHT-582-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of retaining wall From Sta. E0+812 to Sta. E0+839 at LHS-TC-14/1192/B. | NHT | 1/5/2015 | 02/04/15 | 1/22/2015 | 17 | A |
| | TEST-13-00015-NHT-583-A | Test report for seven days of concrete cube compressive strength:<br>- For stem of boundary wall from Sta. E0+570 to Sta. E0+582 at RHS -TC-14/1281/A. | NHT | 1/6/2015 | 02/05/15 | 1/22/2015 | 16 | A |
| | TEST-13-00015-NHT-584-A | Test report for seven days of concrete cube compressive strength:<br>- For step barriers from Sta. A1+378.80 to Sta. A1+385 at LHS and foundation of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS-TC-14/1278/A. | NHT | 1/6/2015 | 02/05/15 | 1/22/2015 | 16 | A |
| | TEST-13-00015-NHT-585-A | Test report for (28 days) of concrete cube compressive strength:<br>- For flow monitoring chamber at Sta. A5+365 at RHS-TC-14/1175/B. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-586-A | Test report for (28 days) of concrete cube compressive strength:<br>- For one of precast manhole at Al-Addasi factory –Ramallah-tc-14/845/B. | NHT | 1/11/2015 | 02/10/15 | 1/29/2015 | 18 | A |
| | TEST-13-00015-NHT-587-A | Test report for (28 days) of concrete cube compressive strength:<br>-For roof slab of ARV and butterfly valve At Sta. D0+512-TC-14/1237/B. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-588-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stair at Sta. E0+085 at RHS.<br>-For ditches from Sta. A0+430 to Sta. A0+560 at RHS-TC-14/1234/B. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-589-A | Test report for (28 days) of concrete cube compressive strength:<br>-For sidewalk from Sta. B0+570 to Sta. B0+670 at RHS-TC-14/1232/B. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-590-A | Test report for (28 days) of concrete cube compressive strength:<br>-For ditches from Sta. A0+130 to Sta. A0+430 at LHS-TC-14/1227/B. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-591-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers from Sta. A1+319.40 to Sta. A1+326.80, from Sta. A1+292.80 to Sta. A1+300, and from Sta. A1+334.20 to Sta. A1+341.60 at LHS.<br>-For foundation of boundary wall from Sta. E0+640 to Sta. E0+650 at LHS-TC-14/1219/B. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-592-A | Test report for seven days of concrete cube compressive strength:<br>-For sidewalks at Segment B-TC-14/1295/A. | NHT | 1/13/2015 | 02/12/15 | 2/1/2015 | 19 | A |
| | TEST-13-00015-NHT-593-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of boundary wall (L-shape) from Sta. E0+032 to Sta. E0+063 at LHS-TC-14/1249/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-594-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of ARV and butterfly valve at Sta. D0+512-TC-14/1191/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |

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| | TEST-13-00015-NHT-595-A | Test report for (28 days) of concrete cube compressive strength:<br>-For ditches from Sta. A0+970 to Sta. A1+070 at RHS and from Sta. A0+970 to Sta. A1+070 at LHS-TC-14/1239/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-596-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of boundary wall from Sta. B0+192 to Sta. B0+202, from Sta. B0+208 to Sta. B0+218, and from Sta. B0+226 to Sta. B0+238 at LHS-TC-14/1240/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-597-A | Test report for (28 days) of concrete cube compressive strength:<br>-For walls of manhole at Sta. D0+512-TC-14/1218/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-598-A | Test report for (28 days) of concrete cube compressive strength:<br>- For stem of retaining wall from Sta. B0+823 to Sta. B0+841 at RHS.<br>- For foundation of boundary wall from Sta. E0+167 to Sta. E0+172 at RHS-TC-14/1235/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-599-A | Test report for (28 days) of concrete cube compressive strength:<br>- For stem of retaining wall from Sta. A6+505 to Sta. A6+515 and from Sta. A6+525 to Sta. A6+535 at LHS-TC-14/1110/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-600-A | Test report for (28 days) of concrete cube compressive strength:<br>-For ditches from Sta. A1+180 to Sta. A1+340 at RHS-TC-14/1248/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-601-A | Test report for (28 days) of concrete cube compressive strength:<br>-For concrete protection from Sta. A1+200 to Sta. A1+250 at LHS-TC-14/1247/B. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-602-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS.<br>-For foundation of boundary wall from Sta. E0+880 to Sta. E0+890 at LHS-TC-14/1286/A. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-603-A | Test report for seven days of concrete cube compressive strength:<br>-For stem of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS.<br>-For step barriers from Sta. A1+385 to Sta. A1+392.21.<br>-For foundation of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS-TC-15/003-A. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-604-A | Application test of prime coat (MC) from Sta. A6+340 to Sta. A6+790-TM 14-287. | NHT | 1/15/2015 | 02/14/15 | 2/1/2015 | 17 | A |
| | TEST-13-00015-NHT-605-A | Soil and geotechnical report for under foundation of retaining wall from Sta. A7+367 to Sta. A7+398, from Sta. A7+490 to Sta. A7+515 and from Sta. A7+530 to Sta. A7+564 at LHS-ST/15005. | NHT | 1/15/2015 | 02/14/15 | 2/4/2015 | 20 | A |
| | TEST-13-00015-NHT-606-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A6+350 to Sta. A6+790-TM/14-288. | NHT | 1/15/2015 | 02/14/15 | 2/4/2015 | 20 | A |

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| | TEST-13-00015-NHT-607-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A1+600 to Sta. A1+810 and from Sta. E0+020 to Sta. E0+240 -TM/15-001. | NHT | 1/15/2015 | 02/14/15 | 2/4/2015 | 20 | A |
| | TEST-13-00015-NHT-608-A | Test report for (28 days) of concrete cube compressive strength: -For step barriers from Sta. A1+327 to Sta. A1+334.20 and from Sta. A1+341.60 to Sta. A1+348.80 at LHS-TC-14/1258/B. | NHT | 1/19/2015 | 02/18/15 | 2/1/2015 | 13 | A |
| | TEST-13-00015-NHT-609-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A3+240 to Sta. A3+315 -TM/15-005. | NHT | 1/19/2015 | 02/18/15 | 2/4/2015 | 16 | C |
| | TEST-13-00015-NHT-610-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. B0+670 to Sta. B0+950 -TM/15-006. | NHT | 1/19/2015 | 02/18/15 | 2/1/2015 | 13 | A |
| | TEST-13-00015-NHT-611-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. E0+020 to Sta. E0+240 -TM/15-007. | NHT | 1/19/2015 | 02/18/15 | 2/5/2015 | 17 | A |
| | TEST-13-00015-NHT-612-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A1+600 to Sta. A1+820 -TM/15-008. | NHT | 1/19/2015 | 02/18/15 | 2/5/2015 | 17 | A |
| | TEST-13-00015-NHT-613-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A6+350 to Sta. A6+790 -TM/15-009. | NHT | 1/19/2015 | 02/18/15 | 2/5/2015 | 17 | A |
| | TEST-13-00015-NHT-614-A | Test report for (28 days) of concrete cube compressive strength: -For step barriers from Sta. A1+357.20 to Sta. A1+364.40 and from Sta. A1+371.60 to Sta. A1+378.80 at LHS-TC-14/1271/B. | NHT | 1/22/2015 | 02/21/15 | 2/5/2015 | 14 | A |
| | TEST-13-00015-NHT-615-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. E0+880 to Sta. E0+890 at LHS. -For foundation of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS-TC-15/018-A. | NHT | 1/22/2015 | 02/21/15 | 2/5/2015 | 14 | A |
| | TEST-13-00015-NHT-616-A | Test report of flexure strength and dimensioning for curbstone at Segment E-TM/15-004. | NHT | 1/22/2015 | 02/21/15 | 2/11/2015 | 20 | C |
| | TEST-13-00015-NHT-617-A | Radiographic test report NO.43620 performed on date December 23, 2014 for (4 inch,6 inch,8 inch, and 10 inch). Attachment: Negative films. | NHT | 1/22/2015 | 02/21/15 | 2/12/2015 | 21 | C |
| | TEST-13-00015-NHT-618-A | Test report of modified proctor for sub grade material for road from Sta. A1+420 to Sta. A1+460 –TB/15-006. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-619-A | Test report of modified proctor for sub grade material for road from Sta. C0+000 to Sta. C0+160 –TB/15-007. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-620-A | Test report of modified proctor for topping material for road from Sta. E0+920 to Sta. E1+160 –TB/15-008. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-621-A | Test report of field density and degree of compaction for sub grade material from Sta. A1+420 to Sta. A1+460-TFD/15-005. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-622-A | Test report of field density and degree of compaction for sub grade material from Sta. C0+000 to Sta. C0+160-TFD/15-007. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |

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| | TEST-13-00015-NHT-623-A | Test report of field density and degree of compaction for topping material from Sta. E0+920 to Sta. E1+160-TFD/15-008. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-624-A | Test report for (28 days) of concrete cube compressive strength:<br>-For step barriers from Sta. A1+378.80 to Sta. A1+385 at LHS and for foundation of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS-TC-14/1278/B. | NHT | 1/25/2015 | 02/24/15 | 2/5/2015 | 11 | A |
| | TEST-13-00015-NHT-625-A | Test report for reinforcement deformed steel bars of ø12, ø14, and ø16mm-BM/STL/15001. | NHT | 1/26/2015 | 02/25/15 | 2/5/2015 | 10 | A |
| | TEST-13-00015-NHT-626-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of boundary wall from Sta. E0+570 to Sta. E0+582 at RHS -TC-14/1281/B. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-627-A | Test report of field density and degree of compaction for sub grade material from Sta. A6+790 to Sta. A6+900-TFD/15-011. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-628-A | Test report of field density and degree of compaction for sub grade material from Sta. C0+160 to Sta. C0+330-TFD/15-010. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-629-A | Test report of modified proctor for sub grade material for road from Sta. C0+160 to Sta. C0+330 –TB/15-014. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-630-A | Test report of modified proctor for sub grade material for road from Sta. A6+780 to Sta. A6+900 –TB/15-013. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-631-A | Test report for classification of road from Sta. C0+000 to Sta. C0+330 –ST/15012. | NHT | 1/27/2015 | 02/26/15 | 2/4/2015 | 8 | A |
| | TEST-13-00015-NHT-632-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of retaining wall from Sta. A7+355 to Sta. A7+393.40 at LHS-TC-15/024-A. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-633-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of main connection for Wadi Fukin at Sta. B0+955 at RHS-TC-15/020/A. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-634-A | Test report for seven days of concrete cube compressive strength:<br>-For foundation of retaining wall from Sta. A7+540 to Sta. A7+567 at LHS-TC-15/019-A. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-635-A | Test report of field density and degree of compaction for topping material from Sta. C0+160 to Sta. C0+260-TFD/15-016. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-636-A | Test report for (28 days) of concrete cube compressive strength:<br>-For foundation of boundary wall from Sta. E0+865 to Sta. E0+875 at RHS.<br>-For foundation of boundary wall from Sta. E0+880 to Sta. E0+890 at LHS-TC-14/1286/B. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-637-A | Test report of field density and degree of compaction for sub grade material from Sta. E1+180 to Sta. E1+280-TFD/15-014. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |

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| | TEST-13-00015-NHT-638-A | Test report of modified proctor for sub grade material for road from Sta. E1+180 to Sta. E1+280 –TB/15-024. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-639-A | Test report for (28 days) of concrete cube compressive strength: -For sidewalks At Segment B-TC-14/1295/B. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-640-A | Test report for (28 days) of concrete cube compressive strength: -For stem of boundary wall from Sta. E1+100 to Sta. E1+120 at RHS. -For step barriers from Sta. A1+385 to Sta. A1+392.21. -For foundation of boundary wall from Sta. E0+839 to Sta. E0+850 at LHS-TC-15/003-B. | NHT | 1/29/2015 | 02/28/15 | 2/9/2015 | 11 | A |
| | TEST-13-00015-NHT-641-A | Test report of modified proctor for sub grade material for road from Sta. A1+860 to Sta. A1+980 –TB/15-026. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-642-A | Comprehensive test report for topping material from Sta. C0+160 to Sta. C0+260-TB/15-022. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-643-A | Comprehensive test report for base course material from Sta. E1+140 to Sta. E0+920-TB/15-021. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-644-A | Test report of field density and degree of compaction for sub grade material from Sta. A1+860 to Sta. A1+980-TFD/15-023. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-645-A | Test report of field density and degree of compaction for base course material from Sta. C0+000 to Sta. C0+330-TFD/15-022. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-646-A | Test report of field density and degree of compaction for base course material from Sta. A1+420 to Sta. A1+480-TFD/15-021. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-647-A | Test report of field density and degree of compaction for sub grade material from Sta. A6+900 to Sta. A7+100-TFD/15-020. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-648-A | Test report for seven days of concrete cube compressive strength: -For walls of main connection manhole at Sta. B0+955-TC-15/050/A. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-649-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS-TC-15/034-A. | NHT | 2/4/2015 | 03/06/15 | 2/11/2015 | 7 | A |
| | TEST-13-00015-NHT-650-A | Comprehensive test report for base course material from Sta. C0+000 to Sta. C0+330-TB/15-023. | NHT | 2/5/2015 | 03/07/15 | 2/11/2015 | 6 | A |
| | TEST-13-00015-NHT-651-A | Test report of field density and degree of compaction for base course material from Sta. E0+980 to Sta. E1+160-TFD/15-031. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-652-A | Test report of field density and degree of compaction for base course material from Sta. A6+780 to Sta. A6+900-TFD/15-029. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-653-A | Test report of field density and degree of compaction for base course material from Sta. A1+420 to Sta. A1+460 and Sta. E0+-038 to Sta. E0+-020 -TFD/15-030. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-654-A | Test report of field density and degree of compaction for sub grade material from Sta. A6+340 to Sta. A6+800 LHS & RHS-Sidewalks-TFD/15-036. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |

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| | TEST-13-00015-NHT-655-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+500 to Sta. E0+660 -TFD/15-037. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-656-A | Test and retest report of field density and degree of compaction for first base course layer from Sta. A6+900 to Sta. A7+100-TFD/15-041 and TFD/15-038. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-657-A | Comprehensive test report for first base course layer from Sta. A6+870 to Sta. A7+100-TB/15-032. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-658-A | Test report of modified proctor for sub grade material for road from Sta. E0+500 to Sta. E0+660 –TB/15-034. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-659-A | Test report of modified proctor for sub grade material for road from Sta. A6+340 to Sta. A6+800 RHS & LHS–TB/15-035. | NHT | 2/9/2015 | 03/11/15 | 2/22/2015 | 13 | A |
| | TEST-13-00015-NHT-660-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+660 to Sta. E0+780 -TFD/15-039. | NHT | 2/11/2015 | 03/13/15 | 2/25/2015 | 14 | A |
| | TEST-13-00015-NHT-661-A | Test report of field density and degree of compaction for base course material from Sta. A2+250 to Sta. A2+300 intersections -TFD/15-040. | NHT | 2/11/2015 | 03/13/15 | 2/25/2015 | 14 | A |
| | TEST-13-00015-NHT-662-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+780 to Sta. E0+900-TFD/15-044. | NHT | 2/11/2015 | 03/13/15 | 2/25/2015 | 14 | A |
| | TEST-13-00015-NHT-663-A | Pressure test for water distribution pipe line with house connection from Sta. C0+000 to Sta. C0+320. | NHT | 2/11/2015 | 03/13/15 | 2/26/2015 | 15 | A |
| | TEST-13-00015-NHT-664-A | Test report for (28 days) of concrete cube compressive strength:<br>-For stem of retaining wall from Sta. E0+880 to Sta. E0+890 at LHS.<br>- For foundation of boundary wall from Sta. E0+873 to Sta. E0+880 at LHS-TC-15/018-B. | NHT | 2/12/2015 | 03/14/15 | 2/25/2015 | 13 | A |
| | TEST-13-00015-NHT-665-A | Test report of field density and degree of compaction for topping material from Sta. E0+500 to Sta. E0+780-TFD/15-045. | NHT | 2/12/2015 | 03/14/15 | 2/25/2015 | 13 | C |
| | TEST-13-00015-NHT-666-A | Test report for concrete core thickness for ditches and concrete protection at segment A-TCC/15-002 | NHT | 2/15/2015 | 03/17/15 | 2/25/2015 | 10 | A |
| | TEST-13-00015-NHT-667-A | Application test of prime coat (MC) from Sta. E0+920 to Sta. E1+160-TM 15-031 | NHT | 2/15/2015 | 03/17/15 | 2/25/2015 | 10 | A |
| | TEST-13-00015-NHT-668-A | Test report of asphalt (3/4) inch from Sta. E0+940 to Sta. 1+140- TM/15-028 | NHT | 2/15/2015 | 03/17/15 | 3/3/2015 | 16 | A |
| | TEST-13-00015-NHT-669-A | Test report of gradation, liquid limit, plastic limit, and plasticity index of soils, modified proctor, and (CBR) for topping material from Sta. E0+500 to Sta. E0+960–TB/15-039. | NHT | 2/15/2015 | 03/17/15 | 2/26/2015 | 11 | A |
| | TEST-13-00015-NHT-670-A | Test report of field density and degree of compaction for topping material from Sta. E0+500 to Sta. E0+900-TFD/15-050. | NHT | 2/23/2015 | 03/25/15 | 2/26/2015 | 3 | A |
| | TEST-13-00015-NHT-671-A | Test report of field density and degree of compaction for base course material from Sta. A6+790 to Sta. A6+350-TFD/15-051. | NHT | 2/23/2015 | 03/25/15 | 2/25/2015 | 2 | C |

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| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-672-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of retaining wall from Sta. A7+355 to Sta. A7+393.40 at LHS-TC-15/024-B. | NHT | 2/23/2015 | 03/25/15 | 2/25/2015 | 2 | A |
| | TEST-13-00015-NHT-673-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS-TC-15/034-B. | NHT | 2/23/2015 | 03/25/15 | 2/25/2015 | 2 | A |
| | TEST-13-00015-NHT-674-A | Test report for seven days of concrete cube compressive strength: -For stem of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS. -For foundation of boundary wall from Sta. E1+050 to Sta. E1+100 at RHS-TC-15/094-A. | NHT | 2/23/2015 | 03/25/15 | 2/26/2015 | 3 | A |
| | TEST-13-00015-NHT-675-A | Test report of asphalt (3/4) inch from Sta. A3+740 to Sta. A4+285(Milling) - TM/15-039. | NHT | 2/25/2015 | 03/27/15 | 3/15/2015 | 18 | A |
| | TEST-13-00015-NHT-676-A | Test report of field density and degree of compaction for second layer of fill material behind the wall from Sta. A7+475 to Sta. A7+488 and A7+540 to Sta. A7+564 at LHS -TFD/15-053. | NHT | 2/25/2015 | 03/27/15 | 3/15/2015 | 18 | A |
| | TEST-13-00015-NHT-677-A | Test report of field density and degree of compaction for first layer of fill material behind the wall from Sta. A7+475 to Sta. A7+488 , A7+540 to Sta. A7+564 and A7+355 to Sta. A7+396.55 at LHS -TFD/15-047. | NHT | 2/25/2015 | 03/27/15 | 3/15/2015 | 18 | A |
| | TEST-13-00015-NHT-678-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+355 to Sta. A7+367.80, and from Sta. A7+380.60 to Sta. A7+393.40 at LHS-TC-15/060-B. | NHT | 3/1/2015 | 03/31/15 | 3/15/2015 | 14 | A |
| | TEST-13-00015-NHT-679-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+552 to Sta. A7+564 at LHS-TC-15/052-B. | NHT | 3/1/2015 | 03/31/15 | 3/15/2015 | 14 | A |
| | TEST-13-00015-NHT-680-A | Test report for (28 days) of concrete cube compressive strength: -For walls of main connection manhole at Sta. B0+955-TC-15/050/B. | NHT | 3/1/2015 | 03/31/15 | 3/15/2015 | 14 | A |
| | TEST-13-00015-NHT-681-A | Test report of soil classification and modified proctor for fill material of road from Sta. A8+000 to Sta. A8+180- TB/15-053. | NHT | 3/5/2015 | 04/04/15 | 3/18/2015 | 13 | A |
| | TEST-13-00015-NHT-682-A | Test report of field density and degree of compaction for sub grade material from Sta. A7+860 to Sta. A8+000-TFD/15-065. | NHT | 3/5/2015 | 04/04/15 | 3/18/2015 | 13 | C |
| | TEST-13-00015-NHT-683-A | Test report of field density and degree of compaction for first layer of fill material behind the wall from Sta. A8+000 to Sta. A8+180-TFD/15-064. | NHT | 3/5/2015 | 04/04/15 | 3/18/2015 | 13 | A |
| | TEST-13-00015-NHT-684-A | Test report of field density and degree of compaction for base course material from Sta. A1+820 to Sta. A1+940-TFD/15-061. | NHT | 3/5/2015 | 04/04/15 | 3/18/2015 | 13 | C |
| | TEST-13-00015-NHT-685-A | Test report for seven days of concrete cube compressive strength: -For side walls from Sta. A6+600 to Sta. A6+800 at RHS and LHS-TC-15/119-A. | NHT | 3/5/2015 | 04/04/15 | 3/18/2015 | 13 | A |

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| | TEST-13-00015-NHT-686-A | Test report for (28 days) of concrete cube compressive strength: -For concrete support at Segment D from S18 to S27-TC-15/051-B. | NHT | 3/9/2015 | 04/08/15 | 3/25/2015 | 16 | A |
| | TEST-13-00015-NHT-687-A | Test report of soil classification sub grade material of road from Sta. E0+280 to Sta. E0+500 at LHS- TB/15-054. | NHT | 3/9/2015 | 04/08/15 | 3/25/2015 | 16 | C |
| | TEST-13-00015-NHT-688-A | Test report of modified proctor for sub grade material for road from Sta. A7+700 to Sta. A7+860 –TB/15-062. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-689-A | Test report of modified proctor for sub grade material for road from Sta. A7+600 to Sta. A7+700 –TB/15-061. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-690-A | Test report of field density and degree of compaction for sub grade material from Sta. A7+600 to Sta. A7+700-TFD/15-071. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-691-A | Test report of field density and degree of compaction for sub grade material from Sta. A7+700 to Sta. A7+860-TFD/15-069. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-692-A | Test report for seven days of concrete cube compressive strength: -For roof slab of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425-TC-15/117/A. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-693-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+367.8 to Sta. A7+380.6 at LHS-TC-15/082-B. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-694-A | Test report for (28 days) of concrete cube compressive strength: -For stem of boundary wall from Sta. B0+250 to Sta. B0+255 and from Sta. B0+260 to Sta. B0+265 at LHS. -For foundation of boundary wall from Sta. E1+050 to Sta. E1+100 at RHS-TC-15/094-B. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-695-A | Application test of prime coat (MC) from Sta. A6+800 to Sta. A7+100-TM 15-046. | NHT | 3/10/2015 | 04/09/15 | 3/25/2015 | 15 | A |
| | TEST-13-00015-NHT-696-A | Test report for (28 days) of concrete cube compressive strength: -For concrete protection from Sta. C0+010 to Sta. C0+290 at LHS and RHS-TC-15/097-B. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | A |
| | TEST-13-00015-NHT-697-A | Test report for (28 days) of concrete cube compressive strength: -For roof slab of Wadi Fukin connection chamber at Sta. B0+955 at RHS-TC-15/089/B. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | A |
| | TEST-13-00015-NHT-698-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of combination three 200 mm G.V with 80 mm ARV at Sta. A7+390-TC-15/098/B. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | A |
| | TEST-13-00015-NHT-699-A | Test report of field density and degree of compaction for base course material from Sta. E0+500 to Sta. E0+900-TFD/15-082. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | C |
| | TEST-13-00015-NHT-700-A | Test report of field density and degree of compaction for sub grade material from Sta. A7+460 to Sta. A7+600-TFD/15-076. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | C |

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| | TEST-13-00015-NHT-701-A | Test and retest report of field density and degree of compaction for second layer of fill material behind the wall from Sta. A8+800 to Sta. A8+180 -TFD/15-068 and TFD/15-078. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | A |
| | TEST-13-00015-NHT-702-A | Test report of field density and degree of compaction for third layer of fill material behind the wall from Sta. A8+800 to Sta. A8+180 -TFD/15-072. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | A |
| | TEST-13-00015-NHT-703-A | Test report for second coat layer thickness –top coat- Uni spread-BM/CS/15003. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | C |
| | TEST-13-00015-NHT-704-A | Test report for first coat layer thickness –Epoxy Koll-BM/CS/15001. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | C |
| | TEST-13-00015-NHT-705-A | Test report for first coat layer thickness –Epoxy Koll-BM/CS/15002. | NHT | 3/11/2015 | 04/10/15 | 3/30/2015 | 19 | C |
| | TEST-13-00015-NHT-706-A | Test report of field density and degree of compaction for sub grade material from Sta. A8+800 to Sta. A8+180 -TFD/15-081. | NHT | 3/12/2015 | 04/11/15 | 3/31/2015 | 19 | A |
| | TEST-13-00015-NHT-707-A | Test report of modified proctor for sub grade material for road from Sta. A8+800 to Sta. A8+180 -TB/15-072. | NHT | 3/12/2015 | 04/11/15 | 3/31/2015 | 19 | A |
| | TEST-13-00015-NHT-708-A | Comprehensive test report for first base course layer from Sta. A7+700 to Sta. A8+200-TB/15-058. | NHT | 3/12/2015 | 04/11/15 | 3/31/2015 | 19 | A |
| | TEST-13-00015-NHT-709-A | Bearing capacity test report for soil under foundation of retaining walls from Sta. A7+170 to Sta. A7+191.2 at LHS and from Sta. B0+690 to Sta. B0+708 at RHS - ST/15023. | NHT | 3/12/2015 | 04/11/15 | 3/31/2015 | 19 | A |
| | TEST-13-00015-NHT-710-A | Test report for seven days of concrete cube compressive strength: -For foundation of chamber for Battir at Sta. A7+400-TC-15/146/A. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-711-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS-TC-15/145-A. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-712-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS-TC-15/153-A. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-713-A | Test report for (28 days) of concrete cube compressive strength: -For stem of boundary wall from Sta. E1+050 to Sta. E1+063 and from Sta. E1+084.5 to Sta. E1+097.5 at RHS-TC-15/107-B. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-714-A | Comprehensive test report for first base course layer from Sta. A7+800 to Sta. A7+300-TB/15-066. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-715-A | Test report of modified proctor for sub grade material for road from Sta. E0+420 to Sta. E0+500 -TB/15-079. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-716-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+420 to Sta. E0+500 -TFD/15-085. | NHT | 3/16/2015 | 04/15/15 | 4/6/2015 | 21 | A |
| | TEST-13-00015-NHT-717-A | Test report for (28 days) of concrete cube compressive strength: -For side walls from Sta. A6+600 to Sta. A6+800 at RHS and LHS-TC-15/119-B. | NHT | 3/18/2015 | 04/17/15 | 4/7/2015 | 20 | A |

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| | TEST-13-00015-NHT-718-A | Test report for (28 days) of concrete cube compressive strength: -For roof slab of combination three 200 mm G.V with 80 mm ARV at Sta. A7+425-TC-15/117/B. | NHT | 3/18/2015 | 04/17/15 | 4/7/2015 | 20 | A |
| | TEST-13-00015-NHT-719-A | Test report of sieve analysis for bedding materials and single size for Hussan water pipeline from Sta. H0+000 to Sta. H0+600 -TA/15-008. | NHT | 3/18/2015 | 04/17/15 | 4/8/2015 | 21 | C |
| | TEST-13-00015-NHT-720-A | Test report of Asphalt (3/4) inch for Segment .B of side walks -TM/15-041. | NHT | 3/18/2015 | 04/17/15 | 4/8/2015 | 21 | C |
| | TEST-13-00015-NHT-721-A | Test report of Asphalt (3/4) inch from Sta. A4+290 to Sta. A4+790 -TM/15-057. | NHT | 3/18/2015 | 04/17/15 | 4/8/2015 | 21 | C |
| | TEST-13-00015-NHT-722-A | Test report of Asphalt (3/4) inch from Sta. A4+790 to Sta. A5+490 -TM/15-058. | NHT | 3/18/2015 | 04/17/15 | 4/8/2015 | 21 | C |
| | TEST-13-00015-NHT-723-A | Test report of Asphalt (3/4) inch from Sta. A1+820 to Sta. A1+940 -TM/15-056. | NHT | 3/18/2015 | 04/17/15 | 4/7/2015 | 20 | A |
| | TEST-13-00015-NHT-724-A | Test report of Asphalt (3/4) inch from Sta. A6+800 to Sta. A6+960 -TM/15-047. | NHT | 3/18/2015 | 04/17/15 | 4/7/2015 | 20 | A |
| | TEST-13-00015-NHT-725-A | Test report for seven days of concrete cube compressive strength: -For side walks from Sta. A6+550 to Sta. A6+780 -TC-15/163-A. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-726-A | Test report for seven days of concrete cube compressive strength: -For side walks from Sta. A6+350 to Sta. A6+550 -TC-15/162-A. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-727-A | Test report for seven days of concrete cube compressive strength: -For stem of boundary wall from Sta. E0+630 to Sta. E0+646.4 at RHS -TC-15/161-A. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-728-A | Test report of field density and degree of compaction for base course material of -widening- from Sta. E3+320 to Sta. E3+380 -TFD/15-079. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-729-A | Test report of field density and degree of compaction for base course material of -widening- from Sta. E1+160 to Sta. E1+380 -TFD/15-077. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-730-A | Test report of modified proctor for first base course layer of widening from Sta. E1+160 to Sta. E1+380-TB/15-084. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-731-A | Test report of Asphalt (3/4) inch from Sta. A6+960 to Sta. A7+100 -TM/15-048. | NHT | 3/19/2015 | 04/18/15 | 4/8/2015 | 20 | C |
| | TEST-13-00015-NHT-732-A | Test report of modified proctor for topping material from Sta. A6+240 to Sta. A6+340-TB/15-085. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-733-A | Test report of field density and degree of compaction for topping material from Sta. A6+240 to Sta. A6+340 -TFD/15-092. | NHT | 3/19/2015 | 04/18/15 | 4/7/2015 | 19 | A |
| | TEST-13-00015-NHT-734-A | Test report of gradation, liquid limit, plastic limit, and plasticity index of soils, and sand equivalent for base course material at Sta. A8+100–TB/15-083. | NHT | 3/19/2015 | 04/18/15 | 4/8/2015 | 20 | A |
| | TEST-13-00015-NHT-735-A | Test report for seven days of concrete cube compressive strength: - For foundation of retaining wall of Battir from Sta. 0+580 to Sta. 0+651.90 at LHS-TC-15/172-A. | NHT | 3/23/2015 | 04/22/15 | 4/8/2015 | 16 | A |

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| | TEST-13-00015-NHT-736-A | Test report for seven days of concrete cube compressive strength: - For stem of retaining wall from Sta. A7+180.5 to Sta. A7+191.2-TC-15/171-A. | NHT | 3/23/2015 | 04/22/15 | 4/8/2015 | 16 | A |
| | TEST-13-00015-NHT-737-A | Test and retest report of field density and degree of compaction for second base course layer for widening from Sta. E1+140 to Sta. E1+370-TFD/15-093 and TFD/15-105. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | C |
| | TEST-13-00015-NHT-738-A | Test and retest report of field density and degree of compaction for first base course layer from Sta. A7+440 to Sta. A8+000-TFD/15-094 and TFD/15-101. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | C |
| | TEST-13-00015-NHT-739-A | Test report of field density and degree of compaction for base course material of side walks at Sta. E0+980 at RHS-TFD/15-102. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | C |
| | TEST-13-00015-NHT-740-A | Test report of field density and degree of compaction for sub grade material from Sta. E0+240 to Sta. E0+400-TFD/15-100. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | C |
| | TEST-13-00015-NHT-741-A | Test report of modified proctor for sub grade material for road at Sta. E0+380–TB/15-091. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | A |
| | TEST-13-00015-NHT-742-A | Test report of modified proctor for sub grade material for road at Sta. E0+280–TB/15-090. | NHT | 3/25/2015 | 04/24/15 | 4/13/2015 | 19 | A |
| | TEST-13-00015-NHT-743-A | Test report of Asphalt (3/4) inch from Sta. E1+140 to Sta. E1+370 for widening-TM/15-070. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | C |
| | TEST-13-00015-NHT-744-A | Test report of Asphalt (3/4) inch from Sta. E0+660 to Sta. E0+920 -TM/15-069. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | C |
| | TEST-13-00015-NHT-745-A | Test report of Asphalt (3/4) inch from Sta. E0+500 to Sta. E0+660 at LHS and from Sta. E0+500 to Sta. E0+620 at RHS-TM/15-068. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | C |
| | TEST-13-00015-NHT-746-A | Application test of prime coat (MC) at Sta. E0+820-TM 15-067. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | A |
| | TEST-13-00015-NHT-747-A | Test report for seven days of concrete cube compressive strength: - For foundation of retaining wall from Sta. A7+205 to Sta. A7+215 at LHS-TC-15/188-A. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | A |
| | TEST-13-00015-NHT-748-A | Test report for seven days of concrete cube compressive strength: - For wall of Battir main connection chamber at Sta. A7+400 at LHS-TC-15/187/A. | NHT | 3/29/2015 | 04/28/15 | 4/13/2015 | 15 | A |
| | TEST-13-00015-NHT-749-A | Test report of modified proctor for base course material of sidewalks from Sta. E0+500 to Sta. E0+700- TB/15-101. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | C |
| | TEST-13-00015-NHT-750-A | Test report of modified proctor for base course material of road from Sta. A8+000 to Sta. A8+200- TB/15-096. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | C |
| | TEST-13-00015-NHT-751-A | Test report of field density and degree of compaction for base course material of sidewalks from Sta. E0+500 to Sta. E0+700-TFD/15-112. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | C |
| | TEST-13-00015-NHT-752-A | Test report of field density and degree of compaction for sub grade material of road from Sta. E0+400 to Sta. E0+500-TFD/15-115. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | C |

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

| SUBMITTAL | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-753-A | Test report of field density and degree of compaction for first base course layer of road from Sta. A8+000 to Sta. A8+200-TFD/15-107. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | C |
| | TEST-13-00015-NHT-754-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of chamber for Battir at Sta. A7+400-TC-15/146/B. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | A |
| | TEST-13-00015-NHT-755-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. B0+690 to Sta. B0+708 at RHS-TC-15/145-B. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | A |
| | TEST-13-00015-NHT-756-A | Pressure test for 2 inch water distribution pipe line and house connection for Battir from Sta. 0+270 to Sta. 0+650. | NHT | 4/2/2015 | 05/02/15 | 4/21/2015 | 19 | A |
| | TEST-13-00015-NHT-757-A | Test report of field density and degree of compaction for sub grade material of road from Sta. A7+300 to Sta. A7+460-TFD/15-118. | NHT | 04/07/15 | 05/07/15 | 4/22/2015 | 15 | C |
| | TEST-13-00015-NHT-758-A | Test report of field density and degree of compaction for base course material of sidewalks from Sta. E0+700 to Sta. E0+900-TFD/15-117. | NHT | 04/07/15 | 05/07/15 | 4/22/2015 | 15 | C |
| | TEST-13-00015-NHT-759-A | Test report of field density and degree of compaction for first base course layer of road from Sta. A0+080 to Sta. A0+120-TFD/15-116 | NHT | 04/07/15 | 05/07/15 | 4/22/2015 | 15 | C |
| | TEST-13-00015-NHT-760-A | Test report of field density and degree of compaction for sub grade material of sidewalks from Sta. E0+500 to Sta. E0+700-TFD/15-114. | NHT | 04/07/15 | 05/07/15 | 4/22/2015 | 15 | C |
| | TEST-13-00015-NHT-761-A | Test report of field density and degree of compaction for first layer of fill material behind the wall from Sta. A7+200 to Sta. A7+215-TFD/15-113. | NHT | 04/07/15 | 05/07/15 | 4/22/2015 | 15 | A |
| | TEST-13-00015-NHT-762-A | Test report of modified proctor for sub grade material for sidewalks from Sta. E0+500 to Sta. E0+700–TB/15-104. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-763-A | Test report of modified proctor for first base course layer of road from Sta. A0+080 to Sta. A0+120–TB/15-103. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-764-A | Test report of modified proctor for first layer of fill material behind the wall from Sta. A7+200 to Sta. A7+215–TB/15-102. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-765-A | Test report for (28 days) of concrete cube compressive strength: -For stem of boundary wall from Sta. E0+630 to Sta. E0+646.4 at RHS -TC-15/161-B. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-766-A | Test report for (28 days) of concrete cube compressive strength: -For side walks from Sta. A6+350 to Sta. A6+550-TC-15/162-B. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-767-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall from Sta. A7+170 to Sta. A7+180.5 at LHS-TC-15/153-B. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-768-A | Test report for seven days of concrete cube compressive strength: -For slab of Battir main connection chamber at Sta. A7+400 at LHS-TC-15/198/A. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-769-A | Test report for (28 days) of concrete cube compressive strength: -For side walks from Sta. A6+550 to Sta. A6+780 -TC-15/163-B. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |

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**CONTRACT NO. AID-294-TO-12-00005**
**TASK ORDER #15, Nahaleen Main Pipeline Project (NHT)**

| SUBMITTAL | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-770-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall for Battir from Sta. 0+580 to Sta. 0+597 and from Sta. 0+614 to Sta. 0+634 at LHS-TC-15/197-A. | NHT | 04/07/15 | 05/07/15 | 4/23/2015 | 16 | A |
| | TEST-13-00015-NHT-771-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. C0+000 to Sta. C0+330-TM/15-078. | NHT | 04/07/15 | 05/07/15 | 4/26/2015 | 19 | C |
| | TEST-13-00015-NHT-772-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. E0+500 to Sta. E1+140-TM/15-079. | NHT | 04/07/15 | 05/07/15 | 4/26/2015 | 19 | C |
| | TEST-13-00015-NHT-773-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A1+820 to Sta. A1+940-TM/15-077. | NHT | 04/07/15 | 05/07/15 | 4/26/2015 | 19 | C |
| | TEST-13-00015-NHT-774-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A6+800 to Sta. A7+100-TM/15-083. | NHT | 04/07/15 | 05/07/15 | 4/26/2015 | 19 | C |
| | TEST-13-00015-NHT-775-A | Test report for (28 days) of concrete cube compressive strength: - For stem of retaining wall from Sta. A7+180.5 to Sta. A7+191.2-TC-15/171-B. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-776-A | Test report for (28 days) of concrete cube compressive strength: - For foundation of retaining wall of Battir from Sta. 0+580 to Sta. 0+651.90 at LHS-TC-15/172-B. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-777-A | Comprehensive test report for second base course layer from Sta. A7+200 to Sta. A7+700-TB/15-119. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-778-A | Comprehensive test report for second base course layer from Sta. A7+700 to Sta. A8+200-TB/15-118. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-779-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A3+750 to Sta. A4+500-TM/15-085. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-780-A | Test report of core (3/4 inch) asphalt layer and bulk specific gravity from Sta. A4+550 to Sta. A5+450-TM/15-086. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-781-A | Test report of modified proctor for sub grade material for road from Sta. A7+100 to Sta. A7+300–TB/15-112. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-782-A | Test report of field density and degree of compaction for topping material from Sta. E0+400 to Sta. E0+500 -TFD/15-121. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-783-A | Test report of field density and degree of compaction for first base course layer of road from Sta. E0+240 to Sta. E0+400 -TFD/15-122. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-784-A | Test report of field density and degree of compaction for sub grade material of roads from Sta. A7+100 to Sta. A7+300 -TFD/15-123. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-785-A | Test report of field density and degree of compaction for first base course layer of road from Sta. A6+240 to Sta. A6+340 -TFD/15-128. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-786-A | Test report of field density and degree of compaction for first base course layer of road from Sta. E0+400 to Sta. E0+500 -TFD/15-129. | NHT | 4/16/2015 | 05/16/15 | | PE | |
| | TEST-13-00015-NHT-787-A | Test report of field density and degree of compaction for base course material of sidewalks from Sta. E0+620 to Sta. E0+800 -TFD/15-130. | NHT | 4/16/2015 | 05/16/15 | | PE | |

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

| SUBMITTAL | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-788-A | Test report for (28 days) of concrete cube compressive strength: -For slab of Battir main connection chamber at Sta. A7+400 at LHS-TC-15/198/B. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-789-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall for Battir from Sta. 0+580 to Sta. 0+597 and from Sta. 0+614 to Sta. 0+634 at LHS-TC-15/197-B. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-790-A | Test report of field density and degree of compaction for first base course layer of road from Sta. A7+100 to Sta. A7+460 -TFD/15-135. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-791-A | Test report of modified proctor for first base course layer of road from Sta. A7+100 to Sta. A7+500–TB/15-134. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-792-A | Pressure test for 2 inch water distribution pipe line and house connection for Battir from Sta. 0+270 to Sta. 0+040. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-793-A | Test report for seven days of concrete cube compressive strength: -For one side shutter up to 120 cm from Sta. A7+651.68 to Sta. A7+706.68 at LHS-TC-15/250-A. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-794-A | Test report for seven days of concrete cube compressive strength: -For one side shutter up to 180 cm from Sta. A7+651.68 to Sta. A7+671.68 at LHS-TC-15/260-A. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-795-A | Test report of modified proctor for second layer of fill material behind the wall for Battir from Sta. 0+580 to Sta. 0+651.9 at LHS –TB/15-113. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-796-A | Test report of field density and degree of compaction for second layer of fill material behind the wall for Battir from Sta. 0+580 to Sta. 0+651.9 at LHS –TFD/15-120. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-797-A | Test report of field density and degree of compaction for before last layer of fill material behind the wall for Battir from Sta. 0+580 to Sta. 0+651.9 at LHS –TFD/15-126. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-798-A | Test report of field density and degree of compaction for last layer of fill material behind the wall for Battir from Sta. 0+580 to Sta. 0+651.9 at LHS –TFD/15-127. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-799-A | Pressure test for 75 mm (3 inch) steel pipe line and 50 mm house connection for Segment A from Sta. A7+430 to Sta. A8+200. | NHT | 4/23/2015 | 05/23/15 | | PE | |
| | TEST-13-00015-NHT-800-A | Test report of field density and degree of compaction for second base course layer of road from Sta. A0+080 to Sta. A0+120 -TFD/15-144. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-801-A | Test report of modified proctor for sub grade material of road from Sta. A7+300 to Sta. A7+460–TB/15-106. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-802-A | Test report for seven days of concrete cube compressive strength: -For foundation of the PRV manhole at Sta. A6+140-TC-15/208/A. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-803-A | Test report for (28 days) of concrete cube compressive strength: -For foundation of the PRV manhole at Sta. A6+140-TC-15/208/B. | NHT | 4/26/2015 | 05/26/15 | | PE | |

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

| SUBMITTAL | | | | TRACKING DATES | | | | Approval Status |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | Submittal No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | (A,B,C,D,E) |
| | TEST-13-00015-NHT-804-A | Test report for seven days of concrete cube compressive strength: -For wall of the PRV manhole at Sta. A6+140-TC-15/225/A. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-805-A | Test report for (28 days) of concrete cube compressive strength: -For wall of the PRV manhole at Sta. A6+140-TC-15/225/B. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-806-A | Test report for seven days of concrete cube compressive strength: -For stem of retaining wall for Battir from Sta. 0+597 to Sta. 0+614 at LHS-TC-15/224-A. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-807-A | Test report for (28 days) of concrete cube compressive strength: -For stem of retaining wall for Battir from Sta. 0+597 to Sta. 0+614 at LHS-TC-15/224-B. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-808-A | Test report for seven days of concrete cube compressive strength: -For foundation of boundary wall from Sta. A7+492 to Sta. A7+510 at LHS-TC-15/228-A. | NHT | 4/26/2015 | 05/26/15 | | PE | |
| | TEST-13-00015-NHT-809-A | Test report for seven days of concrete cube compressive strength: -For foundation of the PRV Battir manhole at Sta. 0+950-TC-15/227/A. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-810-A | Test report for (28 days) of concrete cube compressive strength: -For wall of the PRV manhole at Sta. A6+140-TC-15/225/B. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-811-A | Test report for (28 days) of concrete cube compressive strength: -For roof slab of the PRV manhole at Sta. A6+140-TC-15/226/B. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-812-A | Test report of modified proctor for first base course layer of behind Battir road from Sta. 0+580 to Sta. 0+651.9 at LHS–TB/15-142. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-813-A | Test report of field density and degree of compaction for first base course layer of behind Battir road from Sta. 0+580 to Sta. 0+651.9 at LHS -TFD/15-151. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-814-A | Comprehensive test report for second base course layer from Sta. A7+100 to Sta. A7+400-TB/15-135. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-815-A | Comprehensive test report for second base course layer from Sta. E0+240 to Sta. E0+500-TB/15-139. | NHT | 4/28/2015 | 05/28/15 | | PE | |
| | TEST-13-00015-NHT-816-A | Test and retest report of field density and degree of compaction for second base course layer of road from Sta. E0+240 to Sta. E0+500 -TFD/15-159 and TFD/15-150. | NHT | 4/28/2015 | 05/28/15 | | PE | |
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**DV = Division A= No Exceptions Noted B = Make Corrections Noted C = Amend-Resubmit D= Rejected-Resubmit E= Review Not Required**

# G | RFI's Log for the Reporting Period

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

| Request For Information | | | | TRACKING DATES | | | | Approved By |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | RFI No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | |
| | RFI-13-00015-NHT-001 | Control valves in Nahaleen Main Pipe line Project, discrepancies between the bills/ drawings and technical specifications. Task order # 15 | NHT | 12/04/13 | 01/03/14 | 12/22/13 | 18 | Nimr Rjoub |
| | RFI-13-00015-NHT-002 | Design Hydraulic Characteristics for pressure reducing valves | NHT | 12/19/13 | 01/18/14 | 01/05/14 | 17 | Nimr Rjoub |
| | RFI-13-00015-NHT-003 | Road alignment / proposed center line and curved data for Nahaleen Main Pipe line Project, TO # 15 | NHT | 12/23/13 | 01/22/14 | 01/12/14 | 20 | Nimr Rjoub |
| | RFI-13-00015-NHT-004 | Concrete supports for main pipeline Segment D/ Nahaleen Main Pipe line Project, TO # 15 | NHT | 01/21/14 | 02/20/14 | 02/03/14 | 13 | Nimr Rjoub |
| | RFI-13-00015-NHT-005 | Expansion joints pipeline and alignment as requested on submittal SUB-13-00015-NHT-072-A for the 12" pipeline and location - at Segment D Nahaleen Main Pipeline Project, (TO #15) | NHT | 02/16/14 | 03/18/14 | 02/20/14 | 4 | Nimr Rjoub |
| | RFI-13-00015-NHT-006 | Using steel mini guard around trenches instead of concrete barrier | NHT | 02/20/14 | 03/22/14 | 02/26/14 | 6 | Nimr Rjoub |
| | RFI-13-00015-NHT-007 | Construction risk for the existing stone walls due to widening road from Sta.3+320 to Sta.5+800 -Nahaleen Main Pipeline Project | NHT | 02/20/14 | 03/22/14 | 03/05/14 | 13 | Nimr Rjoub |
| | RFI-13-00015-NHT-008 | Your response to RFI # 005 for Expansion joints12" pipeline at Segment D Nahaleen Main Pipeline Project, (TO #15) | NHT | 03/03/14 | 04/02/14 | 03/05/14 | 2 | Nimr Rjoub |
| | RFI-13-00015-NHT-009 | Replacement of box culverts at sta. 0+590, 0+951 and 1+356 at Nahaleen Main Pipe line Project, TO # 15 | NHT | 03/30/14 | 04/29/14 | 04/21/14 | 22 | Nimr Rjoub |
| | RFI-13-00015-NHT-010 | Concrete supports for main pipeline Segment D/ Nahaleen Main Pipe line Project, TO # 15 | NHT | 04/10/14 | 05/10/14 | 04/20/14 | 10 | Nimr Rjoub |
| | RFI-13-00015-NHT-011 | Box culvert and retaining walls at sta. 1+356 TO 15 Nahaleen .main waterline | NHT | 05/19/14 | 06/18/14 | 05/21/14 | 2 | Nimr Rjoub |
| | RFI-13-00015-NHT-012 | Using geo textile sheet under base course and above single size material in water lines trenches | NHT | 06/24/14 | 07/24/14 | 07/13/14 | 19 | Nimr Rjoub |
| | RFI-13-00015-NHT-013 | Revise 12" main pipeline from sta. 0+100 to 0+452- at Nahaleen Main Pipe line Project, TO # 15 | NHT | 07/09/14 | 08/08/14 | 07/14/14 | 5 | Nimr Rjoub |
| | RFI-13-00015-NHT-014 | Change Storm system from 0+720 to 0+980 segment B for Nahaleen Main Pipe line Project, TO # 15 | NHT | 07/10/14 | 08/09/14 | 08/06/14 | 27 | Nimr Rjoub |
| | RFI-13-00015-NHT-015 | Relocation the storm system between 0+090 to 0+210 at segment B for Nahaleen Main Pipe line Project, TO # 15 | NHT | 08/06/14 | 09/05/14 | 08/12/14 | 6 | Nimr Rjoub |
| | RFI-13-00015-NHT-016 | Relocation of the storm system and water network between 0+710 to 0+950 at segment B for Nahaleen Main Pipe line Project, TO # 15 | NHT | 08/06/14 | 09/05/14 | 08/12/14 | 6 | Nimr Rjoub |
| | RFI-13-00015-NHT-017 | Steel mini guard instead of the Concrete barrier around open trenches from Sta. 3+850 to Sta. 5+800. | NHT | 08/11/14 | 09/10/14 | 08/13/14 | 2 | Nimr Rjoub |
| | RFI-13-00015-NHT-018 | Relocation of water network at segment B for Nahaleen Main Pipe line Project, TO # 15 | NHT | 08/14/14 | 09/13/14 | 08/14/14 | 0 | Nimr Rjoub |
| | RFI-13-00015-NHT-019 | Pipes and Catch basin for Storm Drainage system - TO # 15 | NHT | 08/14/14 | 09/13/14 | 08/23/14 | 9 | Nimr Rjoub |
| | RFI-13-00015-NHT-020 | Location for the required valves and connection chambers at Nahaleen Main pipeline project, TO # 15 | NHT | 09/03/14 | 10/03/14 | 09/29/14 | 26 | Nimr Rjoub |

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

| Request For Information | | | | TRACKING DATES | | | | Approved By |
|---|---|---|---|---|---|---|---|---|
| Spec. No. | RFI No | Description | DV | Submitted on (M/D/Y) | Return Date AS Contract | Returned on (M/D/Y) | Review Days | |
| | RFI-13-00015-NHT-021 | Concrete supports for main pipeline Segment D/ Nahaleen Main Pipe line Project, TO # 15 | NHT | 09/10/14 | 10/10/14 | 09/11/14 | 1 | Nimr Rjoub |
| | RFI-13-00015-NHT-022 | Asphalt mix design – 3/4 "wearing layer at Nahaleen Project | NHT | 09/11/14 | 10/11/14 | 09/11/14 | 0 | Nimr Rjoub |
| | RFI-13-00015-NHT-023 | 50 mm Gate Valve Hand Hole at Nahaleen main pipeline / Task order #15 | NHT | 09/11/14 | 10/11/14 | 10/02/14 | 21 | Nimr Rjoub |
| | RFI-13-00015-NHT-024 | Stone wall from sta. A 1+200 to sta. A1+250 LHS / Nahaleen Main Pipe line Project, TO # 15 | NHT | 09/11/14 | 10/11/14 | 09/17/14 | 6 | Nimr Rjoub |
| | RFI-13-00015-NHT-025 | Site conditions and design requirements to be considered during the preparation of shop drawings from Sta5+700 to Sta.7+050 , Segment A/ Nahaleen Main Pipe line Project, TO # 15 | NHT | 09/25/14 | 10/25/14 | 10/19/14 | 24 | Nimr Rjoub |
| | RFI-13-00015-NHT-026 | Change to design requirement for water system between sta. 5+700 to 7+050 at segment A -Nahaleen Main Pipeline Project, (TO #15 ) | NHT | 09/28/14 | 10/28/14 | 10/15/14 | 17 | Nimr Rjoub |
| | RFI-13-00015-NHT-027 | Double Pipe Culvert at Sta.7+804 | NHT | 10/29/14 | 11/28/14 | 11/10/14 | 12 | Nimr Rjoub |
| | RFI-13-00015-NHT-028 | Concrete Pavement from sta. A1+900 to sta. A 2+000 segment A at Nahaleen project TO# 15 | NHT | 11/05/14 | 12/05/14 | 11/27/14 | 22 | Nimr Rjoub |
| | RFI-13-00015-NHT-029 | Geo-technical investigation report at main pipe line from sta. 5+800 to 8+200 at Nahaleen project TO# 15 | NHT | 11/05/14 | 12/05/14 | 11/11/14 | 6 | Nimr Rjoub |
| | RFI-13-00015-NHT-030 | Existing Septic tanks per your site memo # SM-E-C -40 at Nahaleen project / TO#15 | NHT | 11/12/14 | 12/12/14 | 11/22/14 | 10 | Nimr Rjoub |
| | RFI-13-00015-NHT-031 | Modifying road grade (Raising Road PGL) and pavement structure in Segment A from sta. 5+800 to 8+200 / Nahaleen project TO# 15 | NHT | 12/09/14 | 01/08/15 | 12/24/14 | 15 | Nimr Rjoub |
| | RFI-13-00015-NHT-032 | Modifying pavement structure in Seg E and Husan link / Nahaleen project TO# 15 | NHT | 12/11/14 | 01/10/15 | 01/04/15 | 24 | Nimr Rjoub |
| | RFI-13-00015-NHT-033 | Roof slab for Battir Connection Chambers-at sta.7+420 / Nahaleen Main pipeline Task order #15 | NHT | 01/13/15 | 02/12/15 | 02/02/15 | 20 | Nimr Rjoub |
| | RFI-13-00015-NHT-034 | Above ground (exposed) ARV.-At Seg. D @ Sta.0+107 / Nahaleen Main pipeline Task order #15 | NHT | 02/03/15 | 03/05/15 | 02/15/15 | 12 | Nimr Rjoub |
| | RFI-13-00015-NHT-035 | Relocate Hussan Main Connection Chamber @ St. 7+270 / Nahaleen Main pipeline Task order #15 | NHT | 02/09/15 | 03/11/15 | 02/22/15 | 13 | Nimr Rjoub |
| | RFI-13-00015-NHT-036 | Relocate ARV Chambers @ Sta. 5+995 , 7+077& 7+080 / Nahaleen Main pipeline Task order #15 | NHT | 02/18/15 | 03/20/15 | 02/22/15 | 4 | Nimr Rjoub |
| | RFI-13-00015-NHT-037 | Existing Septic Tanks RFI # 30 / Nahaleen Main pipeline Task order #15 | NHT | 03/01/15 | 03/31/15 | 03/16/15 | 15 | Nimr Rjoub |
| | RFI-13-00015-NHT-038 | Relocation of water chamber Seg. E. at Sta. 0+503 / Nahaleen Main pipeline Task order #15 | NHT | 03/01/15 | 03/31/15 | 03/16/15 | 15 | Nimr Rjoub |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

USAID WEST BANK/ GAZA

INFRASTRUCTURE NEEDS PROGRAM INPII

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

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

Nahaleen Main Pipeline Project (NHT)

## Temproray Job Days Summary Report

**Task Order Name:** Nahaleen Main Pipeline Project

**PERIOD FROM:** November 06, 2013

**CONTRACTOR:** APCO/ArCon

**PERIOD TO:** April 30, 2015

| Date | | Site Staff Job Days** | | | | | Total Job Days | No of Full Time Equivalent (FTE) Jobs in the Month* | Notes of Comments | Total Female Hours | Total Female Job-days |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Year | Management | Engineers | Skilled Labor | Unskilled Labor | Other | | | | | |
| October | 2012 | | | | | | 0 | 0 | | | |
| November | 2012 | | | | | | 0 | 0 | | | |
| December | 2012 | | | | | | 0 | 0 | | | |
| January | 2013 | | | | | | 0 | 0 | | | |
| February | 2013 | | | | | | 0 | 0 | | | |
| March | 2013 | | | | | | 0 | 0 | | | |
| April | 2013 | | | | | | 0 | 0 | | | |
| May | 2013 | | | | | | 0 | 0 | | | |
| June | 2013 | | | | | | 0 | 0 | | | |
| July | 2013 | | | | | | 0 | 0 | | | |
| August | 2013 | | | | | | 0 | 0 | | | |
| September | 2013 | | | | | | 0 | 0 | | | |
| Total of FY 2013 | | | | | | | 0 | 0 | | | |
| October | 2013 | | | | | | 0 | 0 | | | |
| November | 2013 | 12.3 | 0.0 | 26.0 | 0.0 | 0.0 | 38.3 | 1.6 | | 0.0 | 0.0 |
| December | 2013 | 23.4 | 10.6 | 16.5 | 18.0 | 0.0 | 68.5 | 2.9 | | 144.0 | 18.0 |
| January | 2014 | 41.0 | 55.0 | 28.3 | 58.5 | 0.0 | 182.8 | 7.7 | | 296.0 | 37.0 |
| February | 2014 | 71.0 | 69.0 | 33.5 | 98.3 | 0.0 | 271.8 | 11.4 | | 400.0 | 50.0 |
| March | 2014 | 81.0 | 101.1 | 118.8 | 229.6 | 0.0 | 530.5 | 22.3 | | 384.0 | 48.0 |
| April | 2014 | 79.1 | 103.1 | 412.3 | 447.6 | 0.0 | 1042.2 | 43.8 | | 417.0 | 52.1 |
| May | 2014 | 81.0 | 87.5 | 470.7 | 502.8 | 0.0 | 1141.9 | 48.0 | | 416.0 | 52.0 |
| June | 2014 | 117.3 | 106.5 | 1196.3 | 923.3 | 0.0 | 2343.3 | 98.5 | | 440.0 | 55.0 |
| July | 2014 | 76.5 | 70.0 | 544.8 | 469.0 | 0.0 | 1160.3 | 48.8 | | 307.0 | 38.4 |
| August | 2014 | 139.5 | 112.0 | 1243.0 | 844.3 | 0.0 | 2338.8 | 98.3 | | 433.0 | 54.1 |
| September | 2014 | 140.1 | 99.1 | 1432.3 | 980.9 | 0.0 | 2652.4 | 111.4 | | 436.0 | 54.5 |
| Total of FY 2014 | | | | | | | 11770.6 | 494.6 | | 3673.0 | 459.1 |
| October | 2014 | 111.9 | 124.0 | 1414.8 | 1079.3 | 0.0 | 2729.9 | 114.7 | | 352.0 | 44.0 |
| November | 2014 | 148.6 | 159.8 | 1653.1 | 1115.4 | 0.0 | 3076.8 | 129.3 | | 434.0 | 54.3 |
| December | 2014 | 160.0 | 140.3 | 1892.9 | 1175.5 | 0.0 | 3368.7 | 141.5 | | 655.0 | 81.9 |
| January | 2015 | 125.4 | 83.8 | 1061.1 | 691.8 | 0.0 | 1962.0 | 82.4 | | 372.0 | 46.5 |
| February | 2015 | 128.0 | 90.9 | 1228.4 | 760.3 | 0.0 | 2207.5 | 92.8 | | 380.0 | 47.5 |
| March | 2015 | 162.6 | 114.3 | 1630.1 | 930.3 | 0.0 | 2837.3 | 119.2 | | 633.0 | 79.1 |
| April | 2015 | 114.5 | 92.0 | 1182.6 | 770.1 | 0.0 | 2159.3 | 90.7 | | 408.0 | 51.0 |
| May | 2015 | | | | | | 0.0 | 0.0 | | | |
| June | 2015 | | | | | | 0.0 | 0.0 | | | |
| July | 2015 | | | | | | 0.0 | 0.0 | | | |
| August | 2015 | | | | | | 0.0 | 0.0 | | | |
| September | 2015 | | | | | | 0.0 | 0.0 | | | |
| Total of FY 2015 | | | | | | | 18341.4 | 770.6 | | 3234.0 | 404.3 |

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 /April 2015**
**Project** Nahaleen Main Pipeline Project
**Contract** AID-294-I-00-12-00005

APCO/ArCon CONSTRUCTION AND SERVICES

## Daily Work Force /April 2015

| Date | Name of Contractor /Subcontractor | Worker/Classification (Hours) | | | | | | | | | | | | | | | | | | | | | | | | | | | Man-days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Management | | | | | | | | Engineers | | | Skilled | | | | | | | Unskilled | | | | | | | | | | | | |
| | | IQC Manager | Task Order Manager | Quality Control Manager | Assistant QCM(F) | Certified Welding Inspector | Technical Engineer | Quantitiy Surveyor | Safety & Environmental | Assistant Safety Officer | Project Manager / Engineer | Office Engineer(F) | Site Engineer | Foreman | Surveyor | Surveyor Assistance | Equipment Operator | Skilled Labor | Qualified /Assistant welders | Drivers | Unskilled Labor | Storage yard guard | Equipment Guard | wood and reinforcement steel guard | Security guard | Flagmen | Janitor(F) | Office Boy | Total Management | Total Engineers | Total Skilled | Total Unskilled |
| April 1, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 3 | 6 | 9 |
| | Subcontractor | | | | | | | | | | 8 | | | 21 | 8 | | | 21 | | | 16 | 24 | | | | 16 | | | | | | |
| April 2, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | | 10 | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 44 | 19 |
| | Subcontractor | | | | | | | | | | 9 | | 8 | 50 | 29 | | 194 | 60 | 16 | | 70 | 24 | | | | 40 | | | | | | |
| April 3, 2015 | APCO/ArCon | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 3 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |
| April 4, 2015 | APCO/ArCon | | 9 | 9 | | | | | 9 | | 9 | 8 | | | | | | | | | | | | | 8 | | 8 | | 3 | 4 | 62 | 36 |
| | Subcontractor | | | | | | | | | | 8 | | 9 | 72 | 26 | | 181 | 199 | 16 | | 209 | 24 | | | | 42 | | | | | | |
| April 5, 2015 | APCO/ArCon | | 9 | 9 | 8 | | | | 9 | | 9 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 4 | 60 | 36 |
| | Subcontractor | | | | | | | | | | 8 | | 9 | 68 | 26 | | 177 | 195 | 16 | | 205 | 24 | | | | 40 | | | | | | |
| April 6, 2015 | APCO/ArCon | | 10 | 9 | 8 | | | | 10 | | 9 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 3 | 63 | 37 |
| | Subcontractor | | | | | | | | | | 8 | | | 68 | 26 | | 198 | 195 | 16 | | 216 | 24 | | | | 40 | | | | | | |
| April 7, 2015 | APCO/ArCon | | 10 | 9 | 8 | 9 | | | 10 | | 9 | 8 | | | | | | | | | | | | | 8 | | 8 | | 6 | 3 | 65 | 40 |
| | Subcontractor | | | | | | | | | | 8 | | | 73 | 37 | | 185 | 201 | 24 | | 222 | 24 | | | | 55 | | | | | | |
| April 8, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | | 10 | | 9 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 3 | 61 | 38 |
| | Subcontractor | | | | | | | | | | 8 | | | 57 | 39 | | 164 | 201 | 30 | | 211 | 24 | | | | 55 | | | | | | |
| April 9, 2015 | APCO/ArCon | | 10 | 10 | 8 | | | | 10 | | 10 | 8 | | | 10 | | | | | | | | | | 8 | | 8 | | 5 | 3 | 56 | 32 |
| | Subcontractor | | | | | | | | | | 8 | | | 63 | 37 | | 178 | 139 | 20 | | 148 | 24 | | | | 64 | | | | | | |
| April 10, 2015 | APCO/ArCon | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 3 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |
| April 11, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | 8 | | | | | | | | | | | | 8 | | 4 | 2 | 23 | 13 |
| | Subcontractor | | | | | | | | | | | | | 36 | 16 | | 68 | 28 | 30 | | 36 | 24 | | | | 36 | | | | | | |
| April 12, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | 8 | | | | | | | | | | 8 | | 8 | | 4 | 3 | 4 | 5 |
| | Subcontractor | | | | | | | | | | 6 | | | 8 | 16 | | | | | | | 24 | | | | | | | | | | |
| April 13, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 3 | 11 | 10 |
| | Subcontractor | | | | | | | | | | 8 | | | 26 | 16 | | 32 | 16 | | | 26 | 24 | | | | 16 | | | | | | |
| April 14, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 2 | 35 | 2 |
| | Subcontractor | | | | | | | | | | 8 | | | 46 | 24 | | 135 | 47 | 24 | | 73 | 24 | | | | 29 | | | | | | |
| April 15, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 4 | 46 | 30 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 44 | 40 | | 152 | 110 | 24 | | 148 | 24 | | | | 48 | | | | | | |
| April 16, 2015 | APCO/ArCon | | 8 | 8 | 8 | | | | 8 | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 2 | 0 | 5 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |

| Date | Name of Contractor /Subcontractor | Worker/Classification (Hour) | | | | | | | | | | | | | | | | | | | | | | | | | | | Man-days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Management | | | | | | | | Engineers | | | Skilled | | | | | | | Unskilled | | | | | | | | | | | | |
| | | IQC Manager | Task Order Manager | Quality Control Manager | Assistant QCM(F) | Certified Welding Inspector | Technical Engineer | Quantitiy Surveyor | Safety & Environmental | Assistant Safety Officer | Project Manager / Engineer | Office Engineer(F) | Site Engineer | Foreman | Surveyor | Surveyor Assistance | Equipment Operator | Skilled Labor | Qualified /Assistant welders | Drivers | Unskilled Labor | storage yard guard | equipment Guard | wood and reinforcement steel guard | Security guard | Flagmen | Janitor(F) | Office Boy | Total Management | Total Engineers | Total Skilled | Total Unskilled |
| April 17, 2015 | APCO/ArCon | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 3 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |
| April 18, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | 10 | | | 14 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 5 | 64 | 44 |
| | Subcontractor | | | | | | | | | | 8 | | 10 | 74 | 18 | | 148 | 238 | 30 | | 258 | 24 | | | | 52 | | | | | | |
| April 19, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | 12 | | | 12 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 5 | 68 | 46 |
| | Subcontractor | | | | | | | | | | 8 | | 10 | 88 | 28 | | 156 | 253 | 20 | | 273 | 24 | | | | 52 | | | | | | |
| April 20, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | 10 | | | 10 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 3 | 63 | 43 |
| | Subcontractor | | | | | | | | | | | | 8 | 70 | 28 | | 132 | 241 | 30 | | 249 | 24 | | | | 56 | | | | | | |
| April 21, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | 10 | | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 50 | 35 |
| | Subcontractor | | | | | | | | | | 8 | | 9 | 56 | 16 | | 101 | 206 | 20 | | 204 | 24 | | | | 36 | | | | | | |
| April 22, 2015 | APCO/ArCon | | 10 | 8 | 8 | | | 10 | | | 8 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 45 | 35 |
| | Subcontractor | | | | | | | | | | 8 | | 9 | 48 | 18 | | 99 | 186 | 12 | | 204 | 24 | | | | 36 | | | | | | |
| April 23, 2015 | APCO/ArCon | | 10 | 10 | | | | 10 | | | 10 | 8 | | | | | | | | | | | | | 8 | | 8 | | 4 | 4 | 37 | 26 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 38 | 18 | | 105 | 121 | 16 | | 129 | 24 | | | | 36 | | | | | | |
| April 24, 2015 | APCO/ArCon | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 3 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |
| April 25, 2015 | APCO/ArCon | | 10 | 10 | 8 | | | 10 | | | 10 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 3 | 40 | 29 |
| | Subcontractor | | | | | | | | | | | | 8 | 47 | 18 | | 103 | 139 | 16 | | 156 | 24 | | | | 38 | | | | | | |
| April 26, 2015 | APCO/ArCon | | 10 | 10 | 8 | | | 10 | | | 10 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 54 | 38 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 69 | 19 | | 130 | 197 | 16 | | 225 | 24 | | | | 39 | | | | | | |
| April 27, 2015 | APCO/ArCon | | 8 | 11 | 8 | | | 11 | | | 11 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 56 | 39 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 60 | 19 | | 150 | 201 | 20 | | 206 | 24 | | | | 62 | | | | | | |
| April 28, 2015 | APCO/ArCon | | 11 | 11 | 8 | | | 11 | | | 11 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 55 | 38 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 57 | 28 | | 149 | 185 | 20 | | 202 | 24 | | | | 58 | | | | | | |
| April 29, 2015 | APCO/ArCon | | 10 | 10 | 8 | | | 10 | | | 10 | 8 | | | | | | | | | | | | | 8 | | 8 | | 5 | 4 | 54 | 38 |
| | Subcontractor | | | | | | | | | | 8 | | 8 | 59 | 28 | | 133 | 188 | 20 | | 204 | 24 | | | | 60 | | | | | | |
| April 30, 2015 | APCO/ArCon | | 11 | 10 | | | | 11 | | | | 8 | | | | | | | | | | | | | | | | | 4 | 2 | 61 | 38 |
| | Subcontractor | | | | | | | | | | 8 | | | 62 | 28 | | 228 | 148 | 20 | | 217 | 24 | | | | 62 | | | | | | |
| | APCO/ArCon | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| | Subcontractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 115 | 92 | 1183 | 770 |

**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: April 01, 2015**
**PERIOD TO: April 30, 2015**

| DATE | Nahaleen Main Pipeline Project | | | | | SubTotal |
|---|---|---|---|---|---|---|
| | Management | Engineers | Skilled labor | Unskilled labor | Other | |
| April 1, 2015 | 4.0 | 3.0 | 6.3 | 9.0 | | 22.3 |
| April 2, 2015 | 4.5 | 4.1 | 43.6 | 18.8 | | 71.0 |
| April 3, 2015 | 0.0 | 0.0 | 0.0 | 3.0 | | 3.0 |
| April 4, 2015 | 3.4 | 4.3 | 61.8 | 36.4 | | 105.8 |
| April 5, 2015 | 4.4 | 4.3 | 60.3 | 35.6 | | 104.5 |
| April 6, 2015 | 4.6 | 3.1 | 62.9 | 37.0 | | 107.6 |
| April 7, 2015 | 5.8 | 3.1 | 65.0 | 39.6 | | 113.5 |
| April 8, 2015 | 4.5 | 3.1 | 61.4 | 38.3 | | 107.3 |
| April 9, 2015 | 4.8 | 3.3 | 55.9 | 31.5 | | 95.4 |
| April 10, 2015 | 0.0 | 0.0 | 0.0 | 3.0 | | 3.0 |
| April 11, 2015 | 4.0 | 2.0 | 23.3 | 13.0 | | 42.3 |
| April 12, 2015 | 4.0 | 2.8 | 4.0 | 5.0 | | 15.8 |
| April 13, 2015 | 4.0 | 3.0 | 11.3 | 10.3 | | 28.5 |
| April 14, 2015 | 4.0 | 2.0 | 34.5 | 2.0 | | 42.5 |
| April 15, 2015 | 4.0 | 4.0 | 46.3 | 29.5 | | 83.8 |
| April 16, 2015 | 4.0 | 2.0 | 0.0 | 5.0 | | 11.0 |
| April 17, 2015 | 0.0 | 0.0 | 0.0 | 3.0 | | 3.0 |
| April 18, 2015 | 4.5 | 5.0 | 63.5 | 43.8 | | 116.8 |
| April 19, 2015 | 4.8 | 4.8 | 68.1 | 45.6 | | 123.3 |
| April 20, 2015 | 4.5 | 3.3 | 62.6 | 43.1 | | 113.5 |
| April 21, 2015 | 4.5 | 4.1 | 49.9 | 35.0 | | 93.5 |
| April 22, 2015 | 4.5 | 4.1 | 45.4 | 35.0 | | 89.0 |
| April 23, 2015 | 3.8 | 4.3 | 37.3 | 25.6 | | 70.9 |
| April 24, 2015 | 0.0 | 0.0 | 0.0 | 3.0 | | 3.0 |
| April 25, 2015 | 4.8 | 3.3 | 40.4 | 29.3 | | 77.6 |
| April 26, 2015 | 4.8 | 4.3 | 53.9 | 38.0 | | 100.9 |
| April 27, 2015 | 4.8 | 4.4 | 56.3 | 38.5 | | 103.9 |
| April 28, 2015 | 5.1 | 4.4 | 54.9 | 37.5 | | 101.9 |
| April 29, 2015 | 4.8 | 4.3 | 53.5 | 38.0 | | 100.5 |
| April 30, 2015 | 4.0 | 2.0 | 60.8 | 37.9 | | 104.6 |
| **Sub Total of April.** | 114.5 | 92.0 | 1182.6 | 770.1 | 0.0 | **2159.3** |

| | Total Job Days | No of Full Time Equivalent (FTE) Jobs |
|---|---|---|
| **April, 2015** | 2159.3 | 90.7 |

# 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 | No risks during this reporting period. | | | | | | | 0 | | | | | | | |
| 2 | Owner | | | | | | | | 0 | | | | | | | |
| 3 | USAID | | | | | | | | 0 | | | | | | | |
| 4 | External | | | | | | | | 0 | | | | | | | |
| 5 | Procurement | | | | | | | | 0 | | | | | | | |
| 6 | Skills | | | | | | | | 0 | | | | | | | |
| 7 | Complexity | | | | | | | | 0 | | | | | | | |
| 8 | Resources | | | | | | | | 0 | | | | | | | |
| 9 | Communications | | | | | | | | 0 | | | | | | | |
| | | | | | | | | | 0 | | | | | | | |