



**USAID** | **WEST BANK/GAZA**  
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Local Construction Program (LCP)  
Task Order No.: AID-294-TO-15-000001  
Contract No.: AID-294-I-00-13-00002

Hebron WWTP Access Road

## **MONTHLY PROGRESS REPORT**

From September 01, 2015 to September 30, 2015

**Prepared By:**  
**SAQQA AND KHOUDARY CO. LTD.**

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## List of Abbreviations

|       |   |
|-------|---|
| CD    | Calendar Day  |
| CE    | Chief Engineer  |
| CEng  | Contracts Engineer  |
| CMC   | Construction Management Contractor                          |
| CO    | Contracting Officer   |
| COB   | Close of Business   |
| COP   | Chief of Party  |
| COR   | Contracting Officer Representative                          |
| CQC   | Contractor Quality Control                                  |
| CQCP  | Contractor Quality Control Program                          |
| CRMP  | Construction Risk Management Plan                           |
| CV    | Curriculum Vita   |
| DCL   | District Civil Liaison                                      |
| FO    | Field Order   |
| IQC   | Indefinite Quantities Contract                              |
| MRR   | Material Receiving Report                                   |
| NCN   | Non Compliance Notice                                       |
| NUC   | Notice of Unsafe Conditions                                 |
| O&M   | Operation and Maintenance                                   |
| OSHA  | Occupational Safety and Health Act (both Federal and State) |
| PA    | Palestinian Authority                                       |
| PCO   | Project Control Officer                                     |
| PIO   | Public Information Officer                                  |
| PM    | Project Manager   |
| PSU   | Program Support Unit  |
| PWA   | Palestinian Water Authority                                 |
| QA    | Quality Assurance   |
| QC    | Quality Control   |
| RE    | Resident Engineers  |
| RFI   | Request For Information                                     |
| RFTOP | Request for Task Order Proposal                             |
| SAK   | Saqqa & Khoudary General Contracting co.                    |
| TO    | Task Order  |
| TOL   | Task Order Leader   |
| TOM   | Task Order Manager  |
| SOP   | Standard Operating Procedure                                |
| USAID | United State Agency for International Development           |
| VO    | Variation Order   |
| VOR   | Variation Order Request                                     |
| WBG   | West Bank Gaza  |
| WBWD  | West Bank Water Department                                  |

## 1. Task Order Overview:

### 1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Roads Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects.

### 1.2. Project Objective

The objective of this Task Order is to provide access to the proposed Hebron Regional Waste Water Treatment Plant (WWTP) located to the south of Hebron City. The access road is a key element of this important project which will yield substantial environmental, health, and resource benefits to the people of Hebron.

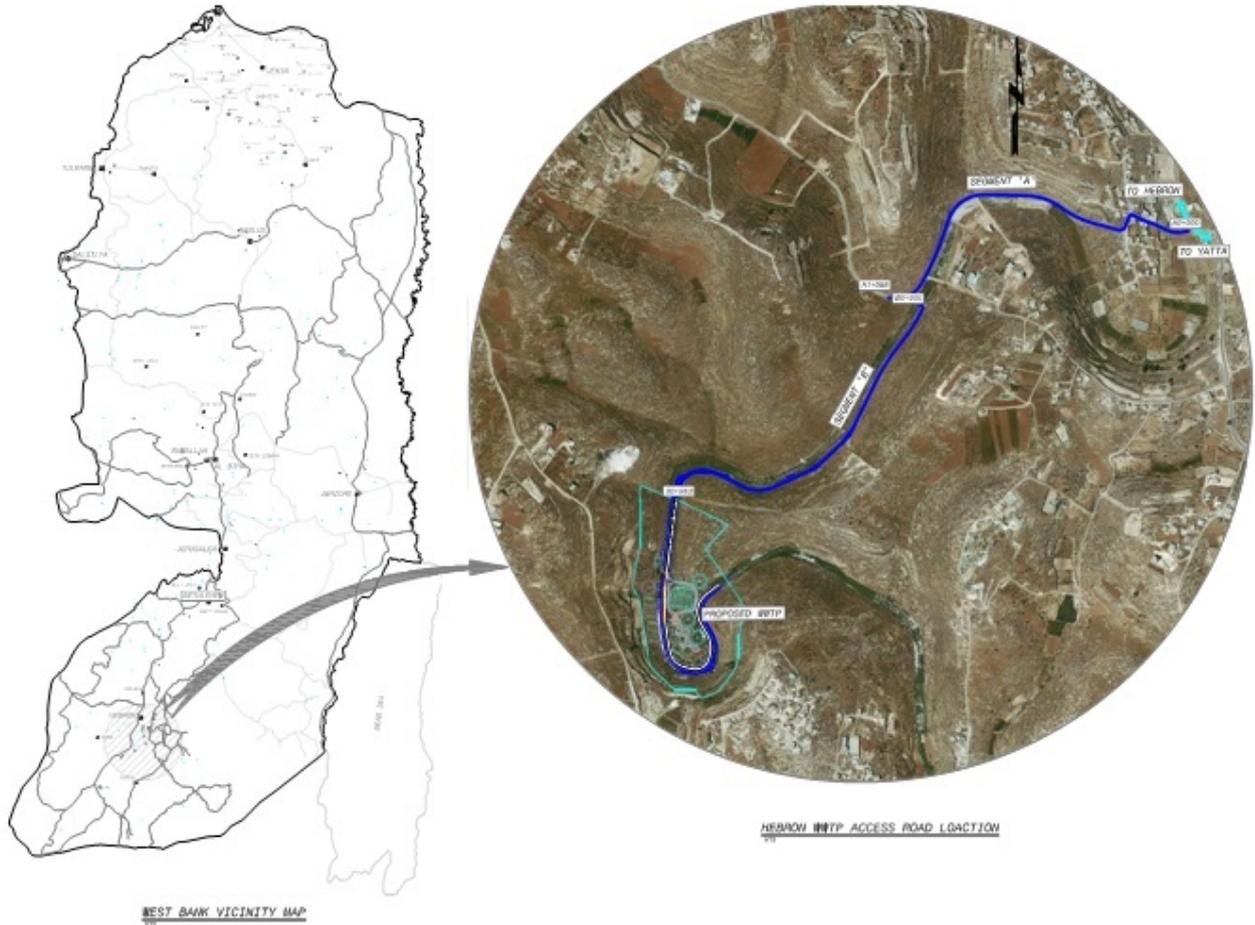
### 1.3. Statement Of Work

This project includes the following activities:

- Construction of approximately 1.8 km two lane access road to the proposed Hebron WWTP including the following features:
  - Asphalted sidewalks/shoulders.
  - Box culverts.
  - Retaining structures.
  - Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
- Rehabilitation of approximately 0.25 km of existing paved road including the following features:
  - Widening of the existing road
  - Asphaltting – Milling & Overlay
- Construction of water and sewer utilities as follows:
  - 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.
  - Construction of approximately 542 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.
  - Installation of normal propeller water flow meters instead of magnetic water flow meters as per VO #01.



1.4. Overview Map



**Figure 1: Hebron WWTP Access Road**



**Figure 2: Start of Segment A -Hebron WWTP Access Road**



**Figure 3: Start of Segment B and Storage Yard- Hebron WWTP Access Road**



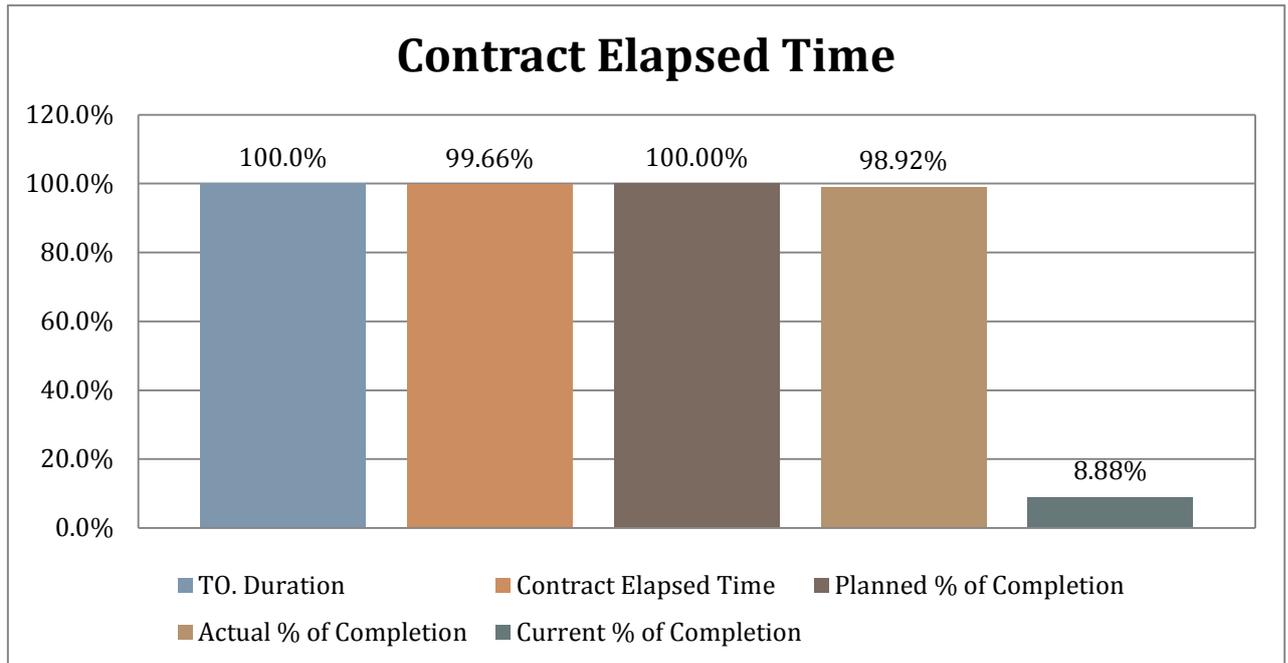
**2. Task Order Key Data**

|  |  |
|--|--|
| <b>Task Order Name</b>                             | <b>Hebron WWTP Access Road</b>                                     |
| <b>Contract Number</b>                             | AID-294-I-00-13-00002  |
| <b>Task Order Number</b>                           | AID-294-TO-15-000001   |
| <b>Owner</b>                                       | Palestinian Ministry of Public Works & Housing                     |
| <b>Client</b>                                      | USAID West Bank and Gaza   |
| <b>Contractor</b>                                  | Saqqa and Khoudary Co. Ltd. (SAK)                                  |
| <b>CMC</b>   | Black and Veatch (BV)  |
| <b>Task Order Contract Value</b>                   | \$2,598,705.00   |
| <b>Project Total Amount</b>                        | \$2,448,705.00   |
| <b>Day work amount</b>                             | \$150,000.00   |
| <b>Modified Project Total Amount as per VO #2</b>  | \$ 2,466,661.00  |
| <b>Modified Day work Amount as per VO #2</b>       | \$ 132,044.00  |
| <b>Notice To Proceed</b>                           | December 15, 2014  |
| <b>Period Of Performance</b>                       | 240 calendar day   |
| <b>Modified Period Of Performance as per VO #2</b> | 291 calendar day   |
| <b>Contractual Completion Date</b>                 | August 11, 2015  |
| <b>Approved Time Extensions as per VO #2</b>       | 18 days  |
| <b>Modified Completion Date as per VO #2</b>       | October 01, 2015   |
| <b>Estimated Completion Date</b>                   | October 01, 2015   |
| <b>Start of Construction (Ground Breaking)</b>     | February 12, 2015  |
| <b>Project Key Personnel</b>                       | Task Order Manager: Sameer K.El Khaldi                             |
|  | Quality Control Manager: Mohammad A.Abu Zeina                      |
|  | Safety & Environmental Compliance Officer: Omar M. Qasem Al Qaisi. |
|  | Project Engineer: Amer Azazmeh                                     |
|  | Surveyor: Raafat Atef Abu Saymeh                                   |

### 3. Project Dashboard Status

|   |         |
|---|---------|
| Contract Elapsed Time as of September 30, 2015 [%]              | 99.66 % |
| Planned Percentage of Completion through September 30, 2015 [%] | 100 %   |
| Actual Percentage of Completion through September 30, 2015 [%]  | 98.92 % |
| Current percentage of completion through September 30, 2015 [%] | 8.88 %  |
| Float (Days)  | Zero    |

The following chart reflects the project dashboard status as of September 30, 2015:



### 4. Safety Status

#### 4.1. Safety Plan and Measures

To achieve the desired goal of "Zero Losses" Saqqa and Khoudary Company promulgates specific Safety Plan. This Safety Plan incorporates the belief that Quality, Production, Efficiency, and Safety shall be planned into each job and each shall have EQUAL importance in the execution of this project. This program will enhance our effort at achieving "Zero Losses" and avoid employee injury, property damage, loss production, and occupational illnesses.

Safety Plan was submitted on January 14, 2015 that consists of SAK's plan to implement and monitor safety measures before and during construction work. CMC reviewed the submittal and accepted it on February 01, 2015.

SAK submitted an updated Monthly Safety Plan to CMC on April 19, 2015 and it was returned with Action C- Revise and resubmit. Consequently; a revised updated Monthly Safety Plan was submitted to CMC on May 17, 2015 and accepted on May 28, 2015.

During June, SAK submitted an updated Safety Plan to CMC on June 17, 2015 and it was accepted on June 28, 2015.

During July, an updated Monthly Safety Plan was submitted to CMC on July 09, 2015 and it was accepted on July 15, 2015.

During August, SAK submitted a revised confined space safety plan on August 09, 2015 and it was approved by CMC on August 16, 2015.

During this reporting period, there were no updates for safety plan. An update for the Safety Plan of September month will be submitted to CMC next reporting period.

#### 4.2. Safety Meetings

The following table summarizes the Safety Tool Box Meetings conducted during this reporting period:

| Safety Tool Box Meeting Log |                        |                    |                               |
|-----------------------------|------------------------|--------------------|-------------------------------|
| No.                         | Meeting No.            | Submitted Date     | Subject                       |
| 1                           | STBM-15-000001-HAR-017 | September 21, 2015 | PPE's and other safety issues |
| 2                           | STBM-15-000001-HAR-018 | September 21, 2015 | PPE's and other safety issues |

#### 4.3. Accident Status

During this reporting period there are no accident reports.

| Accident Reports |                           |                |   |
|------------------|---------------------------|----------------|---|
| No.              | Accident No.              | Submitted Date | Description   |
| 1                | AIR-15-000001-HAR-C-E-001 | April 09, 2015 | It happened for Noor Eddin Essa Amro where he was lifting steel barriers.   |
| 2                | AIR-15-000001-HAR-C-E-002 | May 17, 2015   | It happened for Abdu Rahim Mahmoud Sweity during helping in installing concrete barriers by a Winch (mobile crane). |

#### 4.4. Notice of Unsafe Condition

No Notices of Unsafe Condition (NUCs) were issued during this reporting period.

#### 4.5. Safety Conclusion

As per the signed executed task order document and prior to starting any work, the Contractor shall submit safety plan for CMC's review and approval. Therefore; a comprehensive safety plan was submitted on January 14, 2015 as one of the preconstruction submittals. The submitted submittal was accepted by CMC on February 01, 2015. SAK submitted an Updated Monthly Safety Plan to CMC on April 19, 2015 and it was returned with Action C- Revise and resubmit on April 23, 2015. Consequently; a revised updated Monthly Safety Plan was submitted to CMC on May 17, 2015 and was accepted on May 28, 2015.

During June, SAK submitted an updated Safety Plan to CMC on June 17, 2015 and it was accepted on June 28, 2015.

During July, an updated Monthly Safety Plan was submitted to CMC on July 09, 2015 and it was accepted on July 15, 2015.

During August, SAK submitted a revised confined space safety plan on August 09, 2015 and it was approved by CMC on August 16, 2015

During this reporting period, there were no updates for safety plan. An update for the Safety Plan of September month will be submitted to CMC next reporting period.

## **5. Traffic Control**

### **5.1. Traffic Control Plan**

The project work area is located entirely in Area B, therefore; coordination is required with local councils and any other relevant authority or utility that has jurisdiction over any portion of the works.

The Traffic Control Plan as per SUB-15-00001-HAR-040-A was submitted on January 18, 2015 and was accepted by CMC on January 27, 2015. It is divided into the following phases:

#### **1. Segment B : (STA: 0+000 to STA: 0+982)**

A detour or (Temporary access) has been made to facilitate entry to the construction area at segment B; the aforementioned detour was included in the updated safety plan. It starts from Sta. B0+060 to Sta. B0+900 near the right side of the proposed road.

The detour has been made for the project vehicles and equipments on site at segment B; however there will be no traffic movement in the construction zone and will be totally closed and all needed traffic signs and directional signs were provided.

The detour will be reinstated to its original condition upon project completion.

#### **2. Segment A: (STA: 0+000 to STA: 1+056)**

The work has been conducted by separating the road into two sides by Steel barriers (as per RFI-002) for water pipeline works, and by concrete Jersey barriers for road excavation works with safety net, chevrons and warning lights. In addition to flagmen working to control traffic in all cases.

Traffic during all the project construction phases will be controlled from both sides; at least one flagman at each end of the phase, in addition to one flagman at the end of the road using walkie-talkie as a handheld transceiver to communicate between each other's along with the needed traffic signs to direct the traffic.

During this reporting period, the aforementioned traffic control plan has been implemented at both segments A and B. All traffic signs, directional signs and concrete jersey barriers with warning lights were installed; furthermore two flagmen had been worked to control traffic movement.

## 5.2. Traffic Control Measures

The required Traffic Control and Safety Measures were implemented during installing of safety traffic signs, steel barriers and during works at both segments A & B; furthermore SAK used concrete and steel barriers for water pipe line installation

## 6. Mitigation, Monitoring and Environmental Compliance

The Environmental Mitigation and Monitoring Plan submittal was submitted to the CMC on December 18, 2014 as one of preconstruction submittals. The CMC review the submittal and returned it with Action C- Revise and resubmit. Accordingly; a revised EMMP was submitted to the CMC on January 18, 2015 and it was also returned with Action C on February 03, 2015. Another revised MMEP was submitted to the CMC on March 08, 2015 and the CMC accepted it on March 15, 2015.

An Updated Monthly Mitigation and Monitoring Plan was submitted on April 19, 2015 to CMC and was returned with Action C- Revise and resubmit on April 23, 2015. Consequently; a revised Updated Monthly Mitigation and Monitoring Plan was submitted to CMC on May 26, 2015 and was accepted on May 28, 2015.

During June, SAK submitted an update Environmental Mitigation and Monitoring Plan submittal to CMC on June 17, 2015 and it was accepted on June 28, 2015. Furthermore, SAK received June environmental checklist from CMC on June 29, 2015.

There was no update for Environmental Mitigation and Monitoring Plan for this reporting period. Updates for the Mitigation, Monitoring Plan of July, August and September months will be submitted to CMC next reporting period.

## 7. Construction Risk Management

A comprehensive dilapidation survey along the project was carried out by Saqqa and Khoudary during January, 2015 in order to record the existing site conditions and to prepare a comprehensive Risk Management plan. The aforementioned plan was submitted to the CMC on December 30, 2014 for review and it was returned with Action C - Revise and resubmit. Accordingly; a revised CRMP was submitted to the CMC on January 22, 2015 and it was also returned with Action C on February 03, 2015; therefore Saqqa and Khoudary resubmitted it on February 18, 2015 and the CMC accepted it on February 24, 2015.

An Updated Monthly Construction Risk Management Plan was submitted on April 19, 2015 to CMC and was returned with Action A.

During June, an Updated Monthly Construction Risk Management Plan was submitted on June 17, 2015 to CMC and was returned with Action B on June 28, 2015.

There was no update for Construction Risk Management Plan for this reporting period.

Updates for the Construction Risk Management Plan of July, August and September months will be submitted to CMC next reporting period.

## 8. Community Outreach:

As per signed executed task order contract, two temporary project signs should be furnished and installed on accepted locations. The required temporary signs were submitted and accepted as per SUB-15-

000001-HAR-042-A. The accepted temporary signs were supplied and installed on the accepted locations on January 25, 2015.

Saqqa and Khoudary Co. Ltd. prepared the Project's Flyers and sent to USAID for approval on January 31, 2015. The approval was received on February 13, 2015; therefore the flyers were distributed to the public on February 15, 2015.

During this reporting period, there were no community outreach meetings.

## 9. Gender Consideration:

As per IQC Contract and executed task order contract requirements section F.5 regarding Gender Action Plan; all employment and man power data were disaggregated in daily joint reports to reflect gender. In addition; the Geo-MIS indicator no. 02 (Person Days of employment generated) data was disaggregated to reflect gender.

Saqqa and Khoudary Co. Ltd. has hired a female office engineer since December, 2014 and she is still working till this reporting period.

## 10. Meetings and Coordination activities:

The following table summarizes the list of meetings and coordination activities carried out during this reporting period:

| Coordination Meetings |  |                             |   |
|-----------------------|--|-----------------------------|---|
| Date                  | Attendees  | Subject                     | Description   |
| September 07, 2015    | USAID-Kamal Kasbary<br>MOPWH- Mohammad Adawi<br>B&V – Monther Ramadan , Subhi Zeidan, Ashraf Masha'al , Wafa Amro,<br>SAK –Sameer Al Khaldi , Muhammad Abu Zeineh, Raafat Abu Saymeh, Areej Awawde | Bi- Weekly Progress Meeting | Bi-Weekly progress meeting #17 was conducted at BV Site office. |

## 11. Site Visits

The following table summarizes the list of site visits that took place during this reporting period:

| Site Visits        |  |          |
|--------------------|--|----------|
| Date               | Company  | Location |
| September 01, 2015 | Hebron Municipality – Tayseer Shweiky            | Site     |
| September 06, 2015 | Hebron Municipality – Tayseer Shweiky            | Site     |
| September 07, 2015 | MOPWH- Mohammad Adawi                            | Site     |
| September 12, 2015 | Hebron Municipality – Tayseer Shweiky, Ayed Taha | Site     |
| September 13, 2015 | USAID-Kamal Kasbary                              | Site     |



|                    |                                       |      |
|--------------------|---------------------------------------|------|
| September 20, 2015 | Hebron Municipality – Tayseer Shweiky | Site |
| September 21, 2015 | Hebron Municipality – Tayseer Shweiky | Site |
| September 28, 2015 | USAID-Kamal Kasbary                   | Site |
| September 30, 2015 | Hebron Municipality – Tayseer Shweiky | Site |

**12. Procurement Status:**

**12.1. Procurement activities:**

No items were procured during this reporting period. The following table summarizes the status of the procured activities during previous reporting periods:

| Procurement Schedule for construction activities                               |                   |                      |
|--|-------------------|----------------------|
| Procured items   | Date of order     | Actual delivery date |
| DN 100 ,DN 50 Flow water meter   | June 15, 2015     | September 10, 2015   |
| Start sewer pipe manufacturing   | June 15, 2015     | July 14, 2015        |
| Anchors & Tools  | May 05, 2015      | May 20, 2015         |
| Concrete Pipes   | April 01, 2015    | July 11, 2015        |
| Electrical welding extruder & Hot air welding torch Spark tester & HDPE lining | April 29, 2015    | May 27, 2015         |
| RW Steel Reinforcement   | March 02, 2015    | March 05, 2015       |
| Hex bolts 70mm,82mm  | March 18, 2015    | June 06, 2015        |
| RW Steel Reinforcement   | March 18, 2015    | March 21, 2015       |
| RW Steel Reinforcement   | March 23, 2015    | March 26, 2015       |
| Gaskets + KSB ball Valves  | March 18, 2015    | April 15, 2015       |
| Pressure gauges + Snubbers   | March 18, 2015    | May 20, 2015         |
| Air release valves   | March 22, 2015    | April 16, 2015       |
| Concrete manholes  | February 26, 2015 | March 23, 2015       |
| Gate valves + dismantling joints   | January 25, 2015  | June 15, 2015        |
| Traffic Signs  | January 24, 2015  | February 10, 2015    |
| 2" Steel Pipe  | October 27, 2015  | January 26, 2015     |
| 4" Steel Pipe  | October 27, 2015  | January 26, 2015     |

**12.2. Material and Equipment Delivered on Site**

The following table consists of all materials delivered to the site during this reporting period:

| Material Log                   |                              |          |
|--------------------------------|------------------------------|----------|
| Date                           | Material Delivered to Site   | Quantity |
| <b>Month : September, 2015</b> |                              |          |
| September 1, 2015              | Concrete B300 (Slag cement ) | 23 m3    |
|                                | Concrete B300                | 8.5 m3   |
|                                | Single Size                  | 100 m3   |
| September 2, 2015              | Concrete B300 (Slag cement ) | 14 m3    |
|                                | Single size                  | 140 m3   |
|                                | Steel Reinforcement          | 4 ton    |



|                    |                              |            |
|--------------------|------------------------------|------------|
|                    | Tie rod                      | 1100 PCS   |
| September 3, 2015  | Concrete B300 (Slag cement ) | 3.5 m3     |
|                    | single size                  | 140 m3     |
| September 4, 2015  |                              |            |
| September 5, 2015  | Concrete B300 (Slag cement ) | 7 m3       |
|                    | single size                  | 120 m3     |
| September 6, 2015  | Concrete B300(slag cement)   | 9 m3       |
|                    | Concrete B300                | 36 m3      |
|                    | single Size                  | 120 m3     |
|                    | Nit proof 15                 | 14 Gallon  |
| September 7, 2015  | single Size                  | 100 m3     |
| September 8, 2015  | Concrete B300 (Slag cement ) | 13 m3      |
|                    | single Size                  | 200 m3     |
|                    | Base course                  | 40 m3      |
|                    | Manhole steps                | 100 PCS    |
| September 9, 2015  | Concrete B300 (Slag cement ) | 13 m3      |
|                    | single Size                  | 200 m3     |
|                    | Base course                  | 200 m3     |
| September 10, 2015 | Concrete B300 (Slag cement ) | 11 m3      |
|                    | single Size                  | 140 m3     |
|                    | Base course                  | 100 m3     |
| September 11, 2015 |                              |            |
| September 12, 2015 | Concrete B300(slag cement)   | 2.5 m3     |
|                    | Concrete B300                | 2.0 m3     |
|                    | single Size                  | 100 m3     |
|                    | Guard rail                   | 150 ml     |
|                    | Traffic signs tube           | 18 PCS     |
| September 13, 2015 | Concrete B300 (Slag cement ) | 2 m3       |
|                    | single Size                  | 120 m3     |
|                    | Guard rail                   | 300 ml     |
|                    | Traffic signs                | 14 PCS     |
| September 14, 2015 | Concrete B300 (Slag cement ) | 35.5 m3    |
|                    | single Size                  | 140 m3     |
|                    | Guard rail                   | 150 ml     |
| September 15, 2015 | Concrete B300 (Slag cement ) | 14 m3      |
|                    | single Size                  | 100 m3     |
|                    | Base Course                  | 100 ml     |
| September 16, 2015 | Concrete B300 (Slag cement ) | 16 m3      |
|                    | single Size                  | 100 m3     |
|                    | Guard rail                   | 250 ml     |
| September 17, 2015 | Concrete B300 (Slag cement ) | 22m3       |
|                    | single size                  | 140 m3     |
| September 18, 2015 |                              |            |
| September 19, 2015 | Concrete B300 (Slag cement ) | 7 m3       |
|                    | single Size                  | 80 m3      |
|                    | MC Prime Coat                | 2800 liter |
| September 20, 2015 | Asphalt 3/4" hot mix         | 660 TON    |
|                    | Concrete B300 (Slag cement ) | 2 m3       |
|                    | Nito coat ET402E             | 14 barrel  |
| September 21, 2015 | Base course                  | 60 m3      |
| September 22, 2015 | Concrete B300                | 63 m3      |
| September 23, 2015 |                              |            |
| September 24, 2015 |                              |            |
| September 25, 2015 |                              |            |



|                    |                              |        |
|--------------------|------------------------------|--------|
| September 26, 2015 |                              |        |
| September 27, 2015 | Concrete B300                | 63 m3  |
| September 28, 2015 | Concrete B300 (Slag cement ) | 5 m3   |
|                    | Guard Rail                   | 50 ml  |
|                    | Traffic Sign Post            | 15 PCS |
| September 29, 2015 | None                         | None   |
| September 30, 2015 | Single Size                  | 20 m3  |
|                    | Thermoplastic Paint          | 20 sag |



The following table consists of all equipment used on site during this reporting period:

| Date<br>Equipment      |                 | Equipment Log |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
|------------------------|-----------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
|                        |                 | 1-Sep-15      | 2-Sep-15 | 3-Sep-15 | 4-Sep-15 | 5-Sep-15 | 6-Sep-15 | 7-Sep-15 | 8-Sep-15 | 9-Sep-15 | 10-Sep-15 | 11-Sep-15 | 12-Sep-15 | 13-Sep-15 | 14-Sep-15 | 15-Sep-15 | 16-Sep-15 | 17-Sep-15 | 18-Sep-15 | 19-Sep-15 | 20-Sep-15 | 21-Sep-15 | 22-Sep-15 | 23-Sep-15 | 24-Sep-15 | 25-Sep-15 | 26-Sep-15 | 27-Sep-15 | 28-Sep-15 | 29-Sep-15 | 30-Sep-15 |   |
| Grader                 | Quantity in use |               |          |          |          |          |          | 1        | 1        | 1        | 1         |           | 1         | 1         | 1         | 1         | 1         | 1         |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Wheel Loader (CAT 950) | Quantity in use | 1             | 1        | 1        |          | 1        | 1        | 1        | 1        | 1        | 1         |           | 1         | 1         | 1         | 1         | 1         | 1         |           |           | 1         | 1         | 1         |           |           |           |           |           | 1         | 1         | 1         | 1 |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Steel Compactor        | Quantity in use |               |          |          |          |          |          |          |          | 1        | 1         | 1         | 1         | 1         | 1         | 1         |           |           |           |           |           | 2         |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| JCB                    | Quantity in use | 1             | 1        | 1        |          | 1        | 1        | 1        | 1        |          |           |           |           |           |           |           |           |           |           |           |           |           | 1         |           |           |           |           |           | 1         |           | 1         |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Truck                  | Quantity in use | 4             | 4        | 4        |          | 4        | 4        | 4        | 4        | 6        | 4         |           | 4         | 4         | 3         | 4         | 3         | 3         |           |           | 2         | 10        | 2         | 2         |           |           |           |           |           |           | 3         |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Water Tank             | Quantity in use | 1             | 1        | 1        |          | 1        | 1        | 1        | 1        | 1        | 1         |           | 1         | 1         | 1         | 1         | 1         | 1         |           |           | 1         | 1         | 1         | 1         |           |           |           |           | 1         | 1         | 1         | 1 |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Truck Crane            | Quantity in use |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Concrete Pump          | Quantity in use | 1             | 1        |          |          |          | 1        |          | 1        | 1        | 1         |           |           |           | 1         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Concrete Mixer         | Quantity in use | 4             | 2        | 1        |          | 1        | 5        |          | 2        | 2        | 2         |           | 2         | 1         | 4         | 3         | 2         | 3         |           |           | 2         | 1         | 1         | 7         |           |           |           |           | 1         |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Finisher               | Quantity in use |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           | 1         |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Pneumatic Roller       | Quantity in use |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           | 2         |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Bob Cat                | Quantity in use | 1             | 1        | 1        |          | 1        | 1        | 1        | 1        | 1        | 1         |           | 1         | 1         | 1         | 1         | 1         | 1         |           |           | 1         | 1         | 1         | 1         |           |           |           |           | 1         | 1         | 1         | 1 |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Welding Machine        | Quantity in use | 1             | 1        | 1        |          | 1        | 1        | 1        | 1        |          | 1         |           | 1         | 1         | 1         |           |           |           |           |           |           |           |           |           |           |           |           |           |           | 1         | 1         | 1 |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| Guard-rail machine     | Quantity in use |               |          |          |          |          |          |          |          |          |           |           | 1         | 1         | 1         |           | 1         |           |           |           | 1         |           |           |           |           |           |           |           |           | 1         |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| MC Tank                | Quantity in use |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           | 1         |           |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |
| RC Tank                | Quantity in use |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           | 1         |           |           |           |           |           |           |           |           |   |
|                        | Quantity idle   |               |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |

### **13. Progress and Scheduling**

An updated CPM schedule was submitted on September 13, 2015 and was approved on was September 15, 2015.

During the month of September, Saqqa and Khoudary activities were focused on the completion of major items prior to handing over as indicated in the following paragraph:

#### **13.1. Activities During the Current Reporting Period**

##### **13.1.1 Segment A:**

- Installation of mechanical valves for water chambers at WWTP connection at Sta.A 0+960 LHS.
- Installation of mechanical valves for gate valves, washout, water chambers at Sta.A 0+000 LHS, Sta.A 0+040 RHS, Sta.A 0+180 RHS, Sta.A 0+470 LHS and Sta.A 0+930 LHS.
- Installation of water chambers at Qelqes connection at Sta.A 0+990 LHS.
- Guard rail installation from Sta.A 0+020 to Sta.A 0+076 RHS, from Sta.A 0+020 to Sta.A 0+068 LHS and from Sta.A 0+655 to Sta.A 0+675 RHS.
- Asphalt works for access road at Sta.A 0+230 LHS
- Installation of traffic signs along Segment A.
- Curbstone painting works from Sta.A 0+200 to Sta.A 0+260 LHS and from Sta.A 0+000 intersection.
- Concrete ditches and concrete protection works from Sta.A 0+220 to Sta.A 0+250 LHS.

##### **3.1.2 Segment B:**

- Start and complete casting concrete works for:
  - Sewer manholes walls: MH01, MH 02, MH 03, MH05, MH06, MH07, MH 08, MH09, MH10, MH 12, MH 13, MH14
  - Sewer manholes slabs: from MH01 to MH 05, from MH06 to MH 08 & from MH09 to MH 14.
  - Sewer manholes foundations: MH 11, MH 12, MH 13 and MH 14.
  - Retaining walls from Sta.B0+008 to Sta.B0+032 LHS.
- Continue welding strip HDPE (20 cm) of internal joint from outlet to MH 12.
- Trench excavation and installation of 2" water pipe line from WWTP connection toward Sta.B 0+130 LHS.
- Handing over base course (1st & 2nd) layers from Sta.B0+000 to Sta.B0+070 and from Sta.B0+900 to Sta.B0+990.
- Guard rail installation from Sta.B 0+400 to Sta.B 0+420 LHS, from Sta.B0+910 to Sta.B 0+930 LHS and from Sta.B0+230 to Sta.B0+982 RHS.
- Installation of traffic signs along Segment B.
- Handing over protective coating of box culvert walls from Sta.B 0+012 to Sta.B 0+032
- Asphalt Works (binder layer) from Sta.B0+000 to Sta.B0+240 and from Sta.B0+900 to Sta.B 0+981

### 13.2. Planned Activities for Next Month

Handing over of the project will be on October 01, 2015 as per VO #02; consequently no major activities will be conducted next month but any finishing works requested in the punch list preparing to final handing over

## 14. Task Order Indicators

### 14.1. Roads Sector Task Order Contract Indicator 1: Number of kilometers of transportation infrastructure constructed or repaired through USG assistance.

This indicator is measured by the number of kilometers of transportation infrastructure, such as regional, main and local roads, which are constructed or repaired through USG assistance under this Task Order.

CMC has provided Sakka and Khoudary with the value of this indicator which equals 1,470 (Qelqes population as per PCBS))

### 14.2. Roads Sector Task Order Contract Indicator 2: Person Days of employment generated

This indicator is measured by the number of person days of employment generated by this Task Order. Saqqa and Khoudary measures person days of employment directly generated by construction work on site. Saqqa and Khoudary will measure this daily during Task Order implementation through Daily Joint Reports (DJRs). 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) shall be included in the Geo- MIS related reporting.

The following table summarizes the total number of Persons days of employment generated previously and during the current reporting period:

|   |                 |
|---|-----------------|
| <b>Target value</b>   | <b>3500</b>     |
| Person Days of Employment Generated Previously                          | <b>5794.81</b>  |
| Person Days of Employment Generated During the Current Reporting Period | <b>1105.113</b> |
| Accumulative Persons Days of Employment Generated                       | <b>6899.92</b>  |
| <b>Male Person Days of Employment</b>                                   |                 |
| Person Days of Employment Generated Previously                          | <b>5591.31</b>  |
| Person Days of Employment Generated during the current reporting period | <b>1082.113</b> |
| Accumulative Persons Days of Employment Generated                       | <b>6673.42</b>  |
| <b>Female Person Days of Employment</b>                                 |                 |
| Person Days of Employment Generated Previously                          | <b>203.50</b>   |
| Person Days of Employment Generated during the current reporting period | <b>23</b>       |
| Accumulative Persons Days of Employment Generated                       | <b>226.5</b>    |
| <b>Total Number of Full Time Equivalent Jobs (FTE)</b>                  |                 |
| Number of Full Time Equivalent Jobs Generated Previously                | <b>243.48</b>   |
| Number of Full Time Equivalent Jobs Generated During Current Period     | <b>46.43</b>    |
| <b>Total Number of Full Time Equivalent Jobs Generated</b>              | <b>289.91</b>   |

For more details, please refer to Geo-MIS log in Annexes – Annex H

### 15. Working / Non – Working Days

The following table summarizes the total number of working and non-working days during this reporting period:

| Description   | Days              |
|---|-------------------|
| Contractual Period of Performance (Original)                                    | 240 Calendar Days |
| Total Excusable Delays/Approved Time Extensions                                 | 18 Calendar Days  |
| Modified Period of Performance as per VO# 02                                    | 291 Calendar Days |
| Modified Completion Date as per VO#02   | October 01, 2015  |
| Number of Working Days during this month  | 23 Calendar Days  |
| Accumulated Working Days  | 238 Calendar Days |
| Number of non-working days (holidays and weekends) during this reporting period | 7 Calendar Days   |
| Accumulated non-working days (holidays and weekends)                            | 46 Calendar Days  |
| Number of other non-working days due to bad weather( Snow/Rain)                 | 0 Calendar Days   |
| Accumulated other non-working days (/Snow/Rain)                                 | 7 Calendar Days   |

### 16. Site Memorandum

The following table summarizes the Site Memorandums issued during this reporting period:

| Site Memorandum log       |      |     |   |                    |   |
|---------------------------|------|-----|---|--------------------|---|
| SM No.                    | From | To  | Description   | Sent Date          | Type  |
| SM -15-000001-HAR-E-C-016 | BV   | SAK | Asphalt Finish Quality at HAR Project Seg A.  | September 1, 2015  | Site instruction & Record of Non Quality Compliance                 |
| SM -15-000001-HAR-E-C-017 | BV   | SAK | Unsafe conditions   | September 6, 2015  | Record of Unsatisfactory Work Practice & Record of Unsafe Condition |
| SM -15-000001-HAR-E-C-018 | BV   | SAK | Response to SM -15-000001-HAR-C-E-011(work disruption due to dumping waste materials (Stone Cutting Sully)) | September 14, 2015 | Other   |
| SM -15-000001-HAR-E-C-019 | BV   | SAK | Damages of the existing stone wall at segment A   | September 14, 2015 | Site instruction  |
| SM -15-000001-HAR-E-C-020 | BV   | SAK | Hebron Access Road Project Initial List   | September 20, 2015 | Other   |
| Site Memorandum log       |      |     |   |                    |   |
| SM No.                    | From | To  | Description   | Sent Date          | Type  |
| SM -15-000001-HAR-C-E-012 | SAK  | BV  | Response to BV site Memo. No. 014   | September 16, 2015 | Other   |
| SM -15-000001-HAR-C-E-013 | SAK  | BV  | Response to BV site Memo. No. 016   | September 16, 2015 | Other   |

## **17. Quality Control Status**

This Quality Control Plan is established to provide all the necessary testing and documentation of the contract in order to assure that all work (Onsite/Offsite, Work by Subcontractors, Fabricators, Suppliers and Purchasing agents Subcontractors, Fabricators, and Suppliers) accomplished and all materials and equipment supplied are in accordance with the plans and specifications applicable to the work and meet the quality control provisions of the said plans and specifications.

The Quality Control Plan (QCP) was submitted to CMC for approval on January 14, 2015. It includes the proposed quality control program that should be followed during the construction phase, including the forms of recording the quality control operations, organization chart, control activities, testing, administration of the system for onsite and offsite work, submittal procedures, materials, three phase inspection system, and documentation procedures. The CMC review the submittal and returned it with Action C - Revise and resubmit. Accordingly; a revised Quality Control Plan was submitted to CMC on February 08, 2015 and was accepted on February 17, 2015.

An Updated Monthly Quality Control Plan was submitted to CMC on April 19, 2015 and it was returned with Action C- Revise and resubmit on April 23, 2015. Consequently; a revised updated Monthly Quality Control Plan was submitted on May 31, 2015 for CMC review.

A method statement for concrete surface repairing was submitted to CMC on May 24, 2015 and was accepted on May 28, 2015.

Also, a quality control plan submittal was submitted to CMC regarding fabrication and installation of 1500 mm concrete sewer pipe:

Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe was submitted to CMC on May 18, 2015 and it was returned with Action C- Revise on June 08, 2015. During July, SAK addressed all of the comments and resubmitted the submittal to CMC on July 13, 2015 and it was approved on July 30, 2015.

Furthermore, many site visits and inspections were conducted to follow up fabrication and installation of the concrete sewer pipelines.

During this reporting period, there were no updates for the quality control plan.

A monthly update for the Quality Control Plan will be submitted to CMC.



**17.1. Inspection Requests:**

The following table indicates the list of Inspection Requests issued during this reporting period.

| Inspection Request Log |  |                    |                    |                    |             |                |
|------------------------|--|--------------------|--------------------|--------------------|-------------|----------------|
| IR No.                 | Description  | Submitted Date     | Inspection Date    | Response Date      | Review Days | 1st Inspection |
| IR -15-01-HAR-148-B    | Handing Over Base Course Layer at Segment B From Sta.B0+080 to Sta.B0+380 Including Alignment , Levels and Compaction                      | September 17, 2015 | September 17, 2015 | September 17, 2015 | 0           | A              |
| IR -15-01-HAR-196-B    | Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers) (12-water cover.        | September 14, 2015 | September 14, 2015 | September 14, 2015 | 0           | C              |
| IR -15-01-HAR-196-C    | Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers) (12-water cover.        | September 30, 2015 | September 30, 2015 | September 30, 2015 | 0           | C              |
| IR -15-01-HAR-241-B    | Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHS and from Sta. A0+206 to Sta. A0+257. | September 29, 2015 | September 29, 2015 | September 30, 2015 | 1           | C              |
| IR -15-01-HAR-284-A    | Handing Over sewer manhole MH (02) preparation for external protective coating.  | September 1, 2015  | September 1, 2015  | September 1, 2015  | 0           | A              |
| IR -15-01-HAR-285-A    | Handing Over reinforcement of retaining wall from station B0+008 to station B0+012 LHS.  | September 1, 2015  | September 1, 2015  | September 1, 2015  | 0           | A              |
| IR -15-01-HAR-286-A    | Handing Over formwork of retaining wall from station B0+008 to station B0+012 LHS. .   | September 1, 2015  | September 1, 2015  | September 2, 2015  | 1           | A              |
| IR -15-01-HAR-287-A    | Handing Over steel reinforcement of sewer manhole MH (12) foundation   | September 1, 2015  | September 1, 2015  | September 1, 2015  | 0           | A              |
| IR -15-01-HAR-288-A    | Handing Over 2st protective coating of retaining wall parapet from station B0+008 to station B0+032 RHS.                                   | September 1, 2015  | September 1, 2015  | September 2, 2015  | 1           | A              |
| IR -15-01-HAR-289-A    | Handing over internal joint grouting of sewer pipe line at segment B from  | September 1, 2015  | September 1, 2015  | September 2, 2015  | 1           | C              |



|                     |   |                   |                   |                   |   |   |
|---------------------|---|-------------------|-------------------|-------------------|---|---|
|                     | manhole MH (10) to MH (13) RHS.   |                   |                   |                   |   |   |
| IR -15-01-HAR-289-B | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (10) to MH (13) RHS.                                       | September 3, 2015 | September 3, 2015 | September 3, 2015 | 0 | A |
| IR -15-01-HAR-290-A | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 1, 2015 | September 1, 2015 | September 2, 2015 | 1 | C |
| IR -15-01-HAR-290-B | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 3, 2015 | September 3, 2015 | September 3, 2015 | 0 | C |
| IR -15-01-HAR-290-C | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 6, 2015 | September 6, 2015 | September 6, 2015 | 0 | C |
| IR -15-01-HAR-290-D | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 7, 2015 | September 7, 2015 | September 7, 2015 | 0 | A |
| IR -15-01-HAR-291-A | : Handing Over sewer manhole MH (04) and pipe culvert at station B0+920 preparations for external protective coating                            | September 1, 2015 | September 1, 2015 | September 2, 2015 | 1 | A |
| IR -15-01-HAR-292-A | Handing Over formwork sewer manhole MH (07) and manhole MH (10) walls.  | September 2, 2015 | September 2, 2015 | September 2, 2015 | 0 | A |
| IR -15-01-HAR-293-A | Handing Over 1st protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04).   | September 2, 2015 | September 2, 2015 | September 2, 2015 | 0 | A |
| IR -15-01-HAR-294-A | Handing Over 2nd protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04) and pipe culvert outlie at station B0+920. | September 2, 2015 | September 2, 2015 | September 2, 2015 | 0 | A |
| IR -15-01-HAR-295-A | Handing Over steel reinforcement of sewer manhole MH (14) foundation.   | September 3, 2015 | September 3, 2015 | September 3, 2015 | 0 | A |
| IR -15-01-HAR-296-A | Handing Over formwork of sewer manhole MH (08) walls.   | September 3, 2015 | September 5, 2015 | September 6, 2015 | 1 | A |



|                     |  |                   |                   |                   |   |   |
|---------------------|--|-------------------|-------------------|-------------------|---|---|
| IR -15-01-HAR-297-A | Handing Over internal joint grouting of sewer line from manhole MH (13) to manhole MH (14).  | September 5, 2015 | September 6, 2015 | September 6, 2015 | 0 | A |
| IR -15-01-HAR-298-A | Handing steel Over reinforcement of sewer manhole MH (11) wall.  | September 5, 2015 | September 5, 2015 | September 6, 2015 | 1 | A |
| IR -15-01-HAR-299-A | Handing Over 1st protective coating of retaining wall from station B0+008 to station B0+012 LHS.   | September 5, 2015 | September 5, 2015 | September 6, 2015 | 1 | A |
| IR -15-01-HAR-300-A | Handing Over 2nd protective coating of retaining wall from station B0+008 to station B0+012 LHS.   | September 5, 2015 | September 5, 2015 | September 6, 2015 | 1 | A |
| IR -15-01-HAR-301-A | Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A0+260 to Sta.A0+370 RHS and at station A0+00 intersection. | September 6, 2015 | September 6, 2015 | September 6, 2015 | 0 | A |
| IR -15-01-HAR-302-A | Handing over steel reinforcement of sewer manhole MH (13) base.  | September 6, 2015 | September 6, 2015 | September 7, 2015 | 1 | A |
| IR -15-01-HAR-303-A | Handing over steel reinforcement of sewer manhole MH (06) walls.   | September 6, 2015 | September 6, 2015 | September 7, 2015 | 1 | A |
| IR -15-01-HAR-304-A | Handing formwork of sewer manhole MH (11) walls.   | September 6, 2015 | September 6, 2015 | September 7, 2015 | 1 | A |
| IR -15-01-HAR-305-A | Handing 1st protective coating of box culvert slab at station B0+012 to station B0+032.  | September 6, 2015 | September 6, 2015 | September 7, 2015 | 1 | A |
| IR -15-01-HAR-306-A | Handing Over preparation for protective coating of sewer manhole MH (05).  | September 7, 2015 | September 7, 2015 | September 7, 2015 | 0 | C |
| IR -15-01-HAR-306-B | Handing Over preparation for protective coating of sewer manhole MH (05).  | September 8, 2015 | September 8, 2015 | September 8, 2015 | 0 | A |
| IR -15-01-HAR-307-A | Handing 2nd protective coating of box culvert slab at station B0+012 to station B0+032.  | September 7, 2015 | September 7, 2015 | September 8, 2015 | 1 | A |
| IR -15-01-HAR-308-A | Handing Over steel reinforcement of sewer manhole MH (12)..  | September 7, 2015 | September 7, 2015 | September 8, 2015 | 1 | A |
| IR -15-01-HAR-309-A | Handing Over preparation for protective coating of sewer manhole MH (07).  | September 8, 2015 | September 8, 2015 | September 8, 2015 | 0 | A |



|                     |   |                    |                    |                    |   |   |
|---------------------|---|--------------------|--------------------|--------------------|---|---|
| IR -15-01-HAR-310-A | Handing Over formwork of sewer manhole MH (12).   | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-311-A | Handing Over formwork of sewer manhole MH (09).   | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-312-A | Handing Over preparation for protective coating of sewer manhole MH (11).                                       | September 7, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-313-A | Handing Over 1st protective coating of sewer manhole MH (05) and manhole MH (07).                               | September 7, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-314-A | Handing Over preparation for protective coating of sewer manhole MH (10).                                       | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-315-A | Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.                               | September 8, 2015  | September 8, 2015  | September 9, 2015  | 1 | C |
| IR -15-01-HAR-315-B | Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.                               | September 10, 2015 | September 10, 2015 | September 10, 2015 |   | A |
| IR -15-01-HAR-316-A | Handing Over 2nd protective coating of sewer manhole MH (05).   | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-317-A | Handing Over steel reinforcement of sewer manhole MH (13) walls.  | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0 | A |
| IR -15-01-HAR-318-A | Handing Over formwork of sewer manhole MH (06) walls.   | September 9, 2015  | September 9, 2015  | September 9, 2015  | 0 | A |
| IR -15-01-HAR-319-A | Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075. | September 9, 2015  | September 9, 2015  | September 9, 2015  | 0 | C |
| IR -15-01-HAR-319-B | Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075. | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | A |
| IR -15-01-HAR-320-A | Handing Over 1st protective coating of sewer manhole MH (11).   | September 9, 2015  | September 9, 2015  | September 10, 2015 | 1 | A |
| IR -15-01-HAR-321-A | Handing Over traffic sign location of segment A.  | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | A |



|                     |  |                    |                    |                    |   |   |
|---------------------|--|--------------------|--------------------|--------------------|---|---|
| IR -15-01-HAR-322-A | Handing Over traffic sign location of segment B.   | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | C |
| IR -15-01-HAR-322-B | Handing Over traffic sign location of segment B.   | September 14, 2015 | September 14, 2015 | September 14, 2015 | 0 | C |
| IR -15-01-HAR-322-C | Handing Over traffic sign location of segment B.   | September 29, 2015 | September 29, 2015 | September 30, 2015 | 1 | C |
| IR -15-01-HAR-323-A | Handing Over 2nd protective coating of sewer manhole MH (11).  | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | A |
| IR -15-01-HAR-324-A | Handing Over formwork of sewer manhole MH (13).  | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | A |
| IR -15-01-HAR-325-A | Handing Over steel reinforcement of concrete steep inside sewer manhole MH (01) and manhole MH (02) and manhole MH (03).   | September 10, 2015 | September 10, 2015 | September 10, 2015 | 0 | A |
| IR -15-01-HAR-326-A | Handing Over 2nd protective coating of sewer manhole MH (10).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | 1 | A |
| IR -15-01-HAR-327-A | Handing Over preparation for protective coating of sewer manhole MH (08) and manhole MH (12).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | 1 | A |
| IR -15-01-HAR-328-A | Handing Over 1st protective coating of sewer manhole MH (08) and manhole MH (12).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | 1 | A |
| IR -15-01-HAR-329-A | Handing Over steel reinforcement of sewer manhole MH (14).   | September 12, 2015 | September 12, 2015 | September 12, 2015 | 0 | A |
| IR -15-01-HAR-330-A | Handing Over guard rail installation from station A0+020 to station A0+070 RHS and from station A0+020 to station A0+060 LHS and from station A0+655 to station A0+675 RHS | September 12, 2015 | September 12, 2015 | September 13, 2015 | 1 | C |
| IR -15-01-HAR-331-A | Handing Over 2nd protective coating of sewer manhole MH (08) and manhole MH (12).  | September 12, 2015 | September 12, 2015 | September 12, 2015 | 0 | A |
| IR -15-01-HAR-332-A | Handing Over preparation for protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).  | September 12, 2015 | September 12, 2015 | September 12, 2015 | 0 | A |
| IR -15-01-HAR-333-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (05) and manhole MH (06) and manhole MH (07) and manhole MH                                      | September 12, 2015 | September 12, 2015 | September 12, 2015 | 0 | A |



|                     |  |                    |                    |                    |   |   |
|---------------------|--|--------------------|--------------------|--------------------|---|---|
|                     | (08) and manhole MH (09)   |                    |                    |                    |   |   |
| IR -15-01-HAR-334-A | Handing Over excavated pit for traffic sign tube along segment A.  | September 12, 2015 | September 12, 2015 | September 12, 2015 | 0 | A |
| IR -15-01-HAR-335-A | Handing Over formwork of sewer manhole MH (14).  | September 13, 2015 | September 13, 2015 | September 14, 2015 | 1 | A |
| IR -15-01-HAR-336-A | Handing Over 1st protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).                                | September 13, 2015 | September 13, 2015 | September 14, 2015 | 1 | A |
| IR -15-01-HAR-337-A | Handing Over subgrade layer from station B0+000 to station B0+070.   | September 13, 2015 | September 13, 2015 | September 14, 2015 | 1 | A |
| IR -15-01-HAR-338-A | Handing Over 2nd protective coating of sewer manhole MH (07) and sewer manhole MH (09).  | September 14, 2015 | September 14, 2015 | September 14, 2015 | 0 | A |
| IR -15-01-HAR-339-A | Handing Over base course layer from station B0+900 to station B0+983.  | September 14, 2015 | September 14, 2015 | September 15, 2015 | 1 | A |
| IR -15-01-HAR-340-A | Handing Over 1st protective coating of sewer manhole MH (13).  | September 14, 2015 | September 14, 2015 | September 15, 2015 | 1 | A |
| IR -15-01-HAR-341-A | Handing Over 2nd protective coating of sewer manhole MH (06) and sewer manhole MH (13).  | September 14, 2015 | September 14, 2015 | September 15, 2015 | 1 | A |
| IR -15-01-HAR-342-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (01) and MH (02) and MH (03) and MH (04) and MH (05).        | September 14, 2015 | September 14, 2015 | September 15, 2015 | 1 | A |
| IR -15-01-HAR-343-A | Handing Over concrete benching of sewer manhole MH (01) and manhole MH (02) manhole MH (03) and manhole MH (04) and manhole MH (05). | September 15, 2015 | September 15, 2015 | September 15, 2015 | 0 | A |
| IR -15-01-HAR-344-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (06), MH (07) and MH (08).                                   | September 15, 2015 | September 15, 2015 | September 16, 2015 | 1 | A |
| IR -15-01-HAR-345-A | Handing Over preparation for protective coating of sewer manhole MH (14).  | September 16, 2015 | September 16, 2015 | September 16, 2015 | 0 | A |
| IR -15-01-HAR-346-A | Handing Over preparation for internal protective coating of sewer manhole  | September 16, 2015 | September 16, 2015 | September 16, 2015 | 0 | C |



|                     |  |                    |                    |                    |   |   |
|---------------------|--|--------------------|--------------------|--------------------|---|---|
|                     | MH (01).   |                    |                    |                    |   |   |
| IR -15-01-HAR-346-B | Handing Over preparation for internal protective coating of sewer manhole MH (01).                       | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-347-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (09) and MH (10) and MH (11).    | September 16, 2015 | September 16, 2015 | September 17, 2015 | 1 | A |
| IR -15-01-HAR-348-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (06).                          | September 16, 2015 | September 16, 2015 | September 16, 2015 | 0 | A |
| IR -15-01-HAR-349-A | Handing over base course layer from station B0+000 to station B0+240                                     | September 16, 2015 | September 16, 2015 | September 17, 2015 | 1 | A |
| IR -15-01-HAR-350-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (13)and sewer manhole MH (14). | September 16, 2015 | September 16, 2015 | September 17, 2015 | 1 | A |
| IR -15-01-HAR-351-A | Handing Over 2nd protective coating of sewer manhole MH (14).  | September 17, 2015 | September 17, 2015 | September 17, 2015 | 0 | A |
| IR -15-01-HAR-352-A | Handing Over base course layer at station A0+220 LHS .   | September 17, 2015 | September 17, 2015 | September 17, 2015 | 0 | A |
| IR -15-01-HAR-353-A | Handing Over preparation for protective coating of box culvert base.                                     | September 17, 2015 | September 17, 2015 | September 17, 2015 | 0 | C |
| IR -15-01-HAR-353-B | Handing Over preparation for protective coating of box culvert base.                                     | September 19, 2015 | September 19, 2015 | September 19, 2015 | 0 | A |
| IR -15-01-HAR-354-A | Handing Over 1st protective coating of box culvert base.   | September 19, 2015 | September 19, 2015 | September 19, 2015 | 0 | A |
| IR -15-01-HAR-355-A | Handing Over 2nd protective coating of box culvert base.   | September 19, 2015 | September 19, 2015 | September 19, 2015 | 0 | A |
| IR -15-01-HAR-356-A | Handing Over steel reinforcement of sewer manhole slabs MH (12), MH (13) and MH (14).                    | September 19, 2015 | September 19, 2015 | September 20, 2015 | 1 | A |
| IR -15-01-HAR-357-A | Handing Over steps for water chamber at WWTP, Qelqes and main connection.                                | September 20, 2015 | September 20, 2015 | September 21, 2015 | 1 | C |
| IR -15-01-HAR-358-A | Handing Over sewer manhole steps from sewer manhole MH (01) to manhole MH (14).                          | September 20, 2015 | September 20, 2015 | September 21, 2015 | 1 | C |
| IR -15-01-HAR-359-A | Handing Over preparation of internal surface of sewer manholes from MH                                   | September 20, 2015 | September 20, 2015 | September 21, 2015 | 1 | C |



|                     |  |                    |                    |                    |   |   |
|---------------------|--|--------------------|--------------------|--------------------|---|---|
|                     | (01) to MH (03).   |                    |                    |                    |   |   |
| IR -15-01-HAR-359-B | Handing Over preparation of internal surface of sewer manholes from MH (01) to MH (03).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-360-A | Handing Over MC prime coat spraying over base course layer from station B0+000 to station B0+240 and from station B0+900 to station B0+981, and access road at station A0+220 LHS. | September 20, 2015 | September 20, 2015 | September 20, 2015 | 0 | A |
| IR -15-01-HAR-361-A | Handing Over concrete benching of sewer manholes from MH (06) to MH (14).  | September 20, 2015 | September 20, 2015 | September 21, 2015 | 1 | C |
| IR -15-01-HAR-361-B | Handing Over concrete benching of sewer manholes from MH (06) to MH (14).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-362-A | Handing Over preparation of internal coating of sewer manholes MH (04) and MH (05).  | September 20, 2015 | September 20, 2015 | September 20, 2015 | 0 | A |
| IR -15-01-HAR-363-A | Handing Over steel reinforcement of outfall of sewer line base at station S0-019.  | September 20, 2015 | September 20, 2015 | September 21, 2015 | 1 | A |
| IR -15-01-HAR-364-A | Handing Over 1st protective coating of internal surface of sewer manholes MH (04) and MH (05).   | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | A |
| IR -15-01-HAR-365-A | Handing Over preparation for precast curbstone from station A0+200 to station A0+260 RHS.  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | A |
| IR -15-01-HAR-366-A | Handing Over preparation of internal coating of sewer manhole MH (06).   | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | A |
| IR -15-01-HAR-367-A | Handing Over preparation of internal coating of sewer manhole MH (07).   | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-367-B | Handing Over preparation of internal coating of sewer manhole MH (07).   | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-368-A | Handing Over preparation of internal coating of sewer manhole MH (08).   | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-368-B | Handing Over preparation of internal coating of sewer manhole MH (08).   | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |



|                     |   |                    |                    |                    |   |   |
|---------------------|---|--------------------|--------------------|--------------------|---|---|
| IR -15-01-HAR-369-A | Handing Over preparation of internal coating of sewer manhole MH (09).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-369-B | Handing Over preparation of internal coating of sewer manhole MH (09).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-370-A | Handing Over preparation of internal coating of sewer manhole MH (10).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | A |
| IR -15-01-HAR-371-A | Handing Over preparation of internal coating of sewer manhole MH (11).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | A |
| IR -15-01-HAR-372-A | Handing Over preparation of internal coating of sewer manhole MH (12).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-372-B | Handing Over preparation of internal coating of sewer manhole MH (12).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-373-A | Handing Over preparation of internal coating of sewer manhole MH (13).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-373-B | Handing Over preparation of internal coating of sewer manhole MH (13).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-374-A | Handing Over preparation of internal coating of sewer manhole MH (14).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-374-B | Handing Over preparation of internal coating of sewer manhole MH (14).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-375-A | Handing Over preparation of internal coating of sewer manhole MH (03).  | September 21, 2015 | September 21, 2015 | September 21, 2015 | 0 | C |
| IR -15-01-HAR-375-B | Handing Over preparation of internal coating of sewer manhole MH (03).  | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-376-A | Handing Over steel reinforcement of concrete ditch and concrete protection from station B0+050 to station B0+240 LHS, from station B0+900 to station B0+981 LHS, from station A0+135 to station A0+150 LHS and from station A0+220 to station A0+230 LHS. | September 22, 2015 | September 22, 2015 | September 22, 2015 | 0 | A |
| IR -15-01-HAR-377-A | Handing Over 1st protective coating of internal surface of sewer manholes from MH (01) to MH (03) and from MH (06) to MH (14).  | September 28, 2015 | September 28, 2015 | September 28, 2015 | 0 | A |
| IR -15-01-HAR-378-A | Handing Over steel reinforcement of sewer line outfall at station S0-019 walls.   | September 28, 2015 | September 28, 2015 | September 28, 2015 | 0 | A |



|                     |   |                    |                    |                    |   |   |
|---------------------|---|--------------------|--------------------|--------------------|---|---|
| IR -15-01-HAR-379-A | Handing Over formwork of sewer line outfall at station S0-019 walls.                                      | September 28, 2015 | September 28, 2015 | September 28, 2015 | 0 | A |
| IR -15-01-HAR-380-A | Handing Over 2nd protective coating of internal surface of sewer manholes from MH (01) to MH (14).        | September 28, 2015 | September 28, 2015 | September 28, 2015 | 0 | A |
| IR -15-01-HAR-381-A | Correction of Monthly Environmental Check List of August 2015   | September 29, 2015 | September 29, 2015 | September 30, 2015 | 1 | A |
| IR -15-01-HAR-382-A | Handing over Hydrostatic Testing of 4"water pipe line (PN25) at segment A from Sta. A0+000 to Sta.A0+998. | September 30, 2015 | September 30, 2015 | September 30, 2015 | 0 | A |

\*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit , D:Rejected-Resubmit, E:Review Not Required, P:Pending

### 17.2 Testing Reports:

The following table summarizes all the tests conducted on the site during this reporting period:

| Test Reports Log          |  |                    |                    |             |        |
|---------------------------|--|--------------------|--------------------|-------------|--------|
| Submittal No.             | Description  | Submitted Date     | Response Date      | Review Days | Status |
| TEST -15-000001-HAR-115-B | Test Report -NO: AS/COR/15100 of compacted Degree (%) 3/4"asphalt binder course layer/ (Thickness and compaction) at Segment A from Sta. A0+370 to Sta.A1+056. | September 22, 2015 | October 1, 2015    | 9           | A      |
| TEST -15-000001-HAR-134-B | Marshal Test Report -NO: AS/TBM/15270 of 3/4"hot mix asphalt 70mm binder course/loose sample at Segment B from Sta. B0+240 to Sta.B0+460.                      | September 22, 2015 | October 1, 2015    | 9           | A      |
| TEST -15-000001-HAR-140-B | Test Report -NO: ST/FD/15493 Field Density Test - base coarse layer at segment B from Sta.B0+800 to Sta.B0+980.  | September 22, 2015 |                    |             | P      |
| TEST -15-000001-HAR-145-A | Tack coat (RC) spreading Rate test report NO.AS/15284 from Sta.A0+000to Sta. A0+200 at segment A.  | September 2, 2015  | September 2, 2015  | 0           | A      |
| TEST -15-000001-HAR-146-A | Marshal Test Report -NO: AS/TBM/15290 of 3/4"hot mix asphalt 50mm wearing course/loose sample at Segment A from Sta. A0-020 to Sta.A0+200                      | September 2, 2015  | September 3, 2015  | 1           | A      |
| TEST -15-000001-HAR-147-A | Marshal Test Report -NO: AS/TBM/15289 of 3/4"hot mix asphalt 70mm binder course/loose sample at Segment A from Sta. A0+200 to Sta.A0+360.                      | September 2, 2015  | September 3, 2015  | 1           | A      |
| TEST -15-000001-HAR-148-A | Test Report -NO: TFD/15-254 Field density of base course layer from station B0+240 to station B0+981.  | September 7, 2015  |                    |             | P      |
| TEST -15-000001-HAR-149-A | Field density and proctor test report NO: ST/FD/15579 and NO: ST/15456.from station B0+000 to station B0+070.  | September 17, 2015 | September 20, 2015 | 3           | A      |



|                           |  |                    |                    |   |   |
|---------------------------|--|--------------------|--------------------|---|---|
| TEST -15-000001-HAR-150-A | Loose sample base course material /Test report NO: ST/15453. From station B0+000 to station B0+070 and from station B0+900 to station B0+980 and access at station A0+220LHS.  | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-151-A | Test Report -NO: BM/CT/151156, BM/CT/151138, BM/CT/151113 and BM/CT/151105, Concrete Compressive Strength of sewer manhole Base MH(06), MH (07), MH(08), MH(10), MH(11) and MH(12) at segment B - 7Day                 | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-152-A | Test Report -NO: BM/CT/151103, BM/CT/151114, BM/CT/151112, BM/CT/151176, and BM/CT/151163, Concrete Compressive Strength of sewer manhole Walls MH(01), MH (02), MH(04), MH(07), MH(08) and MH(10) at segment B - 7Day | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-153-A | Compaction degree of ¾" wearing 50 mm layer .Test report NO: AS/COR/15133. From station A0-020 to station A0+200   | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-154-A | Compaction degree of ¾" binder 70 mm layer .Test report NO: AS/COR/15134. From station A0+200 to station A0+360.   | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-155-A | Field Density of base course layer. Test report NO: ST/FD/15578. From station B0+900 to station B0+983 and at station A0+220 LHS   | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-156-A | Loose sample/marshal Test report NO: AS/TBM/15289.of ¾" hot mix asphalt for 70 mm binder layer from station A0+200 to station A0+360.  | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-157-A | Loose sample/marshal Test report NO: AS/TBM/15290.of ¾" hot mix asphalt for 50 mm wearing layer from station A0-020 to station A0+200 and at station A0+000 intersection.  | September 17, 2015 | September 20, 2015 | 3 | A |
| TEST -15-000001-HAR-158-A | Plate sample/¾ "asphalt binder 70 mm layer Test report NO: AS/TBM/15299. from station B0+740 to station B0+900.  | September 17, 2015 | September 22, 2015 | 5 | A |
| TEST -15-000001-HAR-159-A | Plate sample/¾ "asphalt binder 70 mm layer Test report NO: AS/TBM/15283. from station B0+460 to station B0+740.  | September 22, 2015 | September 22, 2015 | 0 | C |
| TEST -15-000001-HAR-160-A | Plate sample/¾ "asphalt binder 70 mm layer Test report NO: AS/TBM/15282. from station B0+240 to station B0+460.  | September 22, 2015 | September 22, 2015 | 0 | A |
| TEST -15-000001-HAR-161-A | Test Report -NO: BM/CT/151080, BM/CT/151126, and BM/CT/151054, Concrete Compressive Strength of retaining walls between stations (0+008 – 0+012) RHS, (0+032-0+040) LHS and (0+030-0+040) RHS at segment B - 28Day.    | September 29, 2015 |                    |   | P |
| TEST -15-000001-HAR-162-A | Test Report -NO: BM/CT/151035, and BM/CT/151057, Concrete Compressive Strength of footing of manholes from MH (01) to MH(05) at segment B - 28Day.   | September 29, 2015 |                    |   | P |

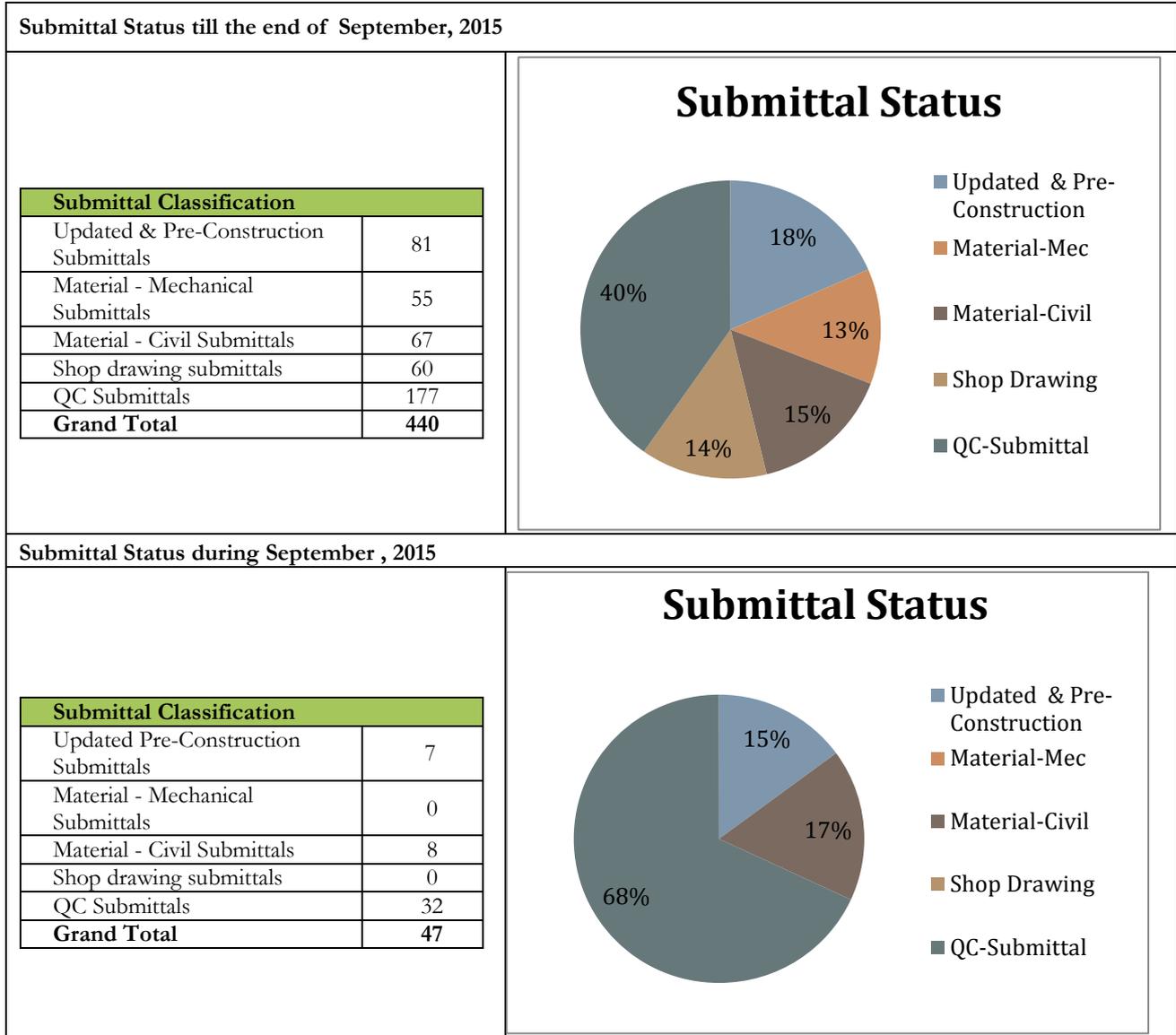


|   |  |                    |  |  |   |
|---|--|--------------------|--|--|---|
| TEST -15-000001-HAR-163-A   | Test Report -NO: BM/CT/151018 slab of manhole at station (0+000) and wall of the culvert (out let) at station (0+920) at segment B - 28Day.                          | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-164-A   | Test Report -NO: BM/CT/151034 footing pipe culvert at station (0+920) and retaining wall between stations (0+042 - 0+050) at segment B - 28Day.                      | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-165-A   | Test Report -NO: BM/CT/151010 box culvert wall between stations (0+020 – 0+032) at segment B - 28Day.  | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-166-A   | Test Report -NO: BM/CT/151017 box culvert / internal walls between stations (0+012 – 0+030) at segment B - 28Day.  | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-167-A   | Test Report -NO: BM/CT/151144 box culvert / parapet between stations (0+012 – 0+032) LHS at segment B - 7Day.  | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-168-A   | Test Report -NO: BM/CT/151073 box culvert slab between stations (0+012 – 0+032) LHS at segment B - 28Day.  | September 29, 2015 |  |  | P |
| TEST -15-000001-HAR-169-A   | Asphalt Mix/ Loose Sample /Test Report - NO: AS/TBM/15264 Hebron WWTP Access Road Between Stations (0+460 to 0+900) at segment B & Access Road at station 0+440 LHS. | September 30, 2015 |  |  | P |
| TEST -15-000001-HAR-170-A   | Field Density of Base Course Layer /Test Report -NO: ST/FD/15581 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B.                             | September 30, 2015 |  |  | P |
| TEST -15-000001-HAR-171-A   | Asphalt Mix/ Loose Sample /Test Report - NO: AS/TBM/15321 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B & Access Road at station 0+220 LHS. | September 30, 2015 |  |  | P |
| TEST -15-000001-HAR-172-A   | Asphalt Mix/ Loose Sample /Test Report - NO: AS/TBM/15320 Hebron WWTP Access Road Between Stations (0+455 to 0+740) at segment B.                                    | September 30, 2015 |  |  | P |
| TEST -15-000001-HAR-173-A   | Asphalt Mix/ Loose Sample /Test Report - NO: AS/TBM/15319 Hebron WWTP Access Road Between Stations (0+900 to 0+981) at segment B.                                    | September 30, 2015 |  |  | P |
| *Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit, D:Rejected-Resubmit, E:Review Not Required, P:Pending |  |                    |  |  |   |



**17. Submittals Status**

During the current reporting period updated pre-construction submittals, Material submittals and shop drawings submittals were prepared and submitted to the CMC for review and approval. The following charts summarize the status of submittals during September, 2015 and till the end of it.



For more information please refer to the following submittal log table for submittals issued during the current reporting period and for Annex H that include accumulative submittals log.

| Submittals Log         |   |                    |                    |             |        |
|------------------------|---|--------------------|--------------------|-------------|--------|
| Submittal No.          | Description   | Submitted Date     | Response Date      | Review Days | Status |
| SUB-15-00001-HAR-159-B | Method Statement For Sewer pipe Testing.  | September 4, 2015  | September 7, 2015  | 3           | C      |
| SUB-15-00001-HAR-159-C | Method Statement For Sewer pipe Testing.  | September 16, 2015 | September 21, 2015 | 5           | B      |
| SUB-15-00001-HAR-163-B | Segment .A Road miscellaneous : cat eyes , traffic sign, road marking & guard rill )  | September 8, 2015  | September 10, 2015 | 2           | B      |
| SUB-15-00001-HAR-163-C | Segment .A Road miscellaneous : cat eyes , traffic sign, road marking & guard rill )  | September 16, 2015 | September 21, 2015 | 5           | A      |
| SUB-15-00001-HAR-164-B | Segment .B Road miscellaneous : cat eyes , traffic sign, road marking & guard rill )  | September 6, 2015  | September 10, 2015 | 4           | B      |
| SUB-15-00001-HAR-164-C | Segment .B Road miscellaneous : cat eyes , traffic sign, road marking & guard rill )  | September 16, 2015 | September 21, 2015 | 5           | A      |
| SUB-15-00001-HAR-165-A | Vaccination Certificates.   | September 2, 2015  | September 7, 2015  | 5           | A      |
| SUB-15-00001-HAR-166-A | Cat eyes samples (single and double ) by IRFLEX (Ref. SUB-15-00001-HAR-087-A)   | September 8, 2015  | September 14, 2015 | 6           | B      |
| SUB-15-00001-HAR-167-A | Sample of Galvanized Steel Tube - Traffic Signs/ Source GAL-LTD-IL (Ref.SUB-15-00001-HAR-121-A)   | September 8, 2015  | September 14, 2015 | 6           | B      |
| SUB-15-00001-HAR-168-A | Sample of Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL (Ref.SUB-15-00001-HAR-123-A) | September 8, 2015  | September 14, 2015 | 6           | C      |
| SUB-15-00001-HAR-169-A | Update CPM Schedule Submittal August 31, 2015   | September 13, 2015 | September 15, 2015 | 2           | B      |
| SUB-15-00001-HAR-170-A | Pipeline Marking (Pipe Marker Sample) for 2" and 4" water pipe and concrete sewer pipes (1500 mm)   | September 15, 2015 | September 21, 2015 | 7           | C      |
| SUB-15-00001-HAR-171-A | Operation and Maintenance Manuals (Gate Valve).   | September 21, 2015 |                    |             | P      |
| SUB-15-00001-HAR-172-A | Method Statement for TESTING (Hydrostatic, Disinfection and Flushing )(2" & 4" Pipelines)   | September 28, 2015 |                    |             | P      |
| SUB-15-00001-HAR-173-A | Thermoplastic Paint Road Marking Materials (White & Yellow),By (Reda National Co. for Road Paint & Highway Safety)                                  | September 30, 2015 |                    |             | P      |



|  |                                      |                       |  |  |   |
|--|--------------------------------------|-----------------------|--|--|---|
| SUB-15-00001-HAR-174-A   | O&M Manuals<br>Propeller water meter | September<br>30, 2015 |  |  | P |
| *Note:<br>A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit, D:Rejected-Resubmit, E:Review Not Required, P:Pending |                                      |                       |  |  |   |

**18. Transmittals:**

The following Transmittals were sent during the current reporting periods:

| Outgoing Emails Log     |  |       |       |                    |
|-------------------------|--|-------|-------|--------------------|
| DCN No.                 | Subject  | From: | To :  | Sent Date          |
| Email-15-01-SAK-OUT-064 | LCP Projects: Geo-MIS -August, 2015                                | SAK   | BV    | September 5, 2015  |
| Email-15-01-SAK-OUT-065 | TO 15-01 HAR: Monthly Progress Report - August 2015                | SAK   | BV    | September 5, 2015  |
| Email-15-01-SAK-OUT-066 | TO: 14-00002 & 15-000001: Donation No. (8234)                      | SAK   | USAID | September 8, 2015  |
| Email-15-01-SAK-OUT-067 | TO-15-00001-HAR: Alternative for DN50 Dismantling Joints           | SAK   | BV    | September 9, 2015  |
| Email-15-01-SAK-OUT-068 | 01-HAR: Alternative for DN50 Dismantling Joints                    | SAK   | BV    | September 10, 2015 |
| Email-15-01-SAK-OUT-069 | Re: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern | SAK   | BV    | September 21, 2015 |
| Email-15-01-SAK-OUT-070 | TO 15 000001 HAR: Work Plan for Eid Holiday                        | SAK   | BV    | September 21, 2015 |
| Email-15-01-SAK-OUT-071 | TO 15-000001 HAR: Task Order Completion and Handover               | SAK   | BV    | September 29, 2015 |

| INCOMING EMAILS LOG    |  |       |             |                    |
|------------------------|--|-------|-------------|--------------------|
| DCN No.                | Subject  | From  | To          | Received Date      |
| Email-15-01-SAK-IN-119 | TO 15-000001 HAR: Progress Meeting # 017 _Agenda             | BV    | USAID & SAK | September 6, 2015  |
| Email-15-01-SAK-IN-120 | TO 15-00001 HAR: CMC Comments on Progress Payment #06        | BV    | SAK         | September 6, 2015  |
| Email-15-01-SAK-IN-121 | Re: TO: 14-00002 & 15-000001: Donation No. (8234)            | USAID | SAK         | September 8, 2015  |
| Email-15-01-SAK-IN-122 | RE: TO-15-00001-HAR: Alternative for DN50 Dismantling Joints | BV    | BV & SAK    | September 10, 2015 |
| Email-15-01-SAK-IN-123 | 01-HAR: Alternative for DN50 Dismantling Joints              | BV    | BV & SAK    | September 10, 2015 |
| Email-15-01-SAK-IN-124 | TO 15 000001 HAR: As Built Drawings                          | BV    | SAK         | September 16, 2015 |
| Email-15-01-SAK-IN-125 | TO 15 000001 HAR: Work Plan for Eid Holiday                  | BV    | SAK         | September 17, 2015 |



|                        |  |    |             |                    |
|------------------------|--|----|-------------|--------------------|
| Email-15-01-SAK-IN-126 | TO 15 000001 HAR: Test Results                                     | BV | SAK         | September 17, 2015 |
| Email-15-01-SAK-IN-127 | TO 15-000001 HAR: Final MOM No.017                                 | BV | USAID & SAK | September 17, 2015 |
| Email-15-01-SAK-IN-128 | RE: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern | BV | SAK         | September 19, 2015 |

**CONTRACTOR LETTERS LOG**

| Letter No.   | Description | Submitted Date | From | To |
|--|-------------|----------------|------|----|
| <b>LETTERS FROM CONTRACTOR TO LOCAL AUTHORITY</b>                                      |             |                |      |    |
| No letters were issued from contractor to local authority during this reporting period |             |                |      |    |
| Letter No.   | Description | Submitted Date | From | To |
| <b>LETTERS FROM CONTRACTOR TO ENGINEER</b>   |             |                |      |    |
| No letters were issued from contractor to Engineer during this reporting period        |             |                |      |    |
| Letter No.   | Description | Received Date  | From | To |
| <b>LETTERS FROM USAID TO CONTRACTOR</b>  |             |                |      |    |
| No letters were issued from USAID to contractor during this reporting period           |             |                |      |    |

**19. Requests for Information**

No Requests for Information were issued during this reporting period.

**Request for information log**

| RFI No.  | Description | Submitted Date | Response Date |
|--|-------------|----------------|---------------|
| No RFIs were issued during this reporting period |             |                |               |

**20. Payments**

One payment was issued during this reporting period.

**Progress Payment Log**

| Invoice No.       | Invoiced Amount | Cumulative Amount | Task Order Amount | Remaining Amount | Date Submitted to B&V |
|-------------------|-----------------|-------------------|-------------------|------------------|-----------------------|
| PAY-15-01-HAR-006 | \$403,872.13    | \$1,761,689.28    | \$ 2,598,705.00   | \$837,015.72     | September 03, 2015    |

**21. Variation Order Request**

No Variation Orders Requests were issued during this reporting period:

**Variation Order Requests Log**

| VOR No.                      | Description | Cost Impact (\$) | Time Impact (Calendar Day) | Submission Date | Response Date |
|------------------------------|-------------|------------------|----------------------------|-----------------|---------------|
| No Variation Orders Requests |             |                  |                            |                 |               |



## 22. Variation Order

One Variation Order was issued during this reporting period:

| Variation Order Log  |   |                 |                          |               |                        |
|----------------------|---|-----------------|--------------------------|---------------|------------------------|
| Variation Order No.  | Description   | PVOs/VOs Amount | PVOs/VOs (Calendar Days) | PVO/VO Status | Date Approved By USAID |
| VO-15-000001-HAR-002 | Changes of requirements ,time extension and new definitive quantities | \$ 140,053.40   | 18                       | Approved      | September 11, 2015     |

## 23. Obstacles and Challenges

### 24.1 Challenges:

There were no challenges during this reporting period.

### 24.2 Obstacles:

There were no obstacles during this reporting period.



**24. Progress Photos:**



**Photo# 1: Spreading, watering, compaction of 1st base course layer from station B0+000 to station B0+070**



**Photo# 2: Installation of guard rail from station B0+230 to station B0+980 RHS.**



**Photo#3: Continue installation of mechanical valves for water chambers at Qelqes connection at station A0+990 LHS**



**Photo# 4: Casting concrete of sewer manhole roof slab of manhole MH (09).**



Photo #5: 3/4" Asphalt works (70 mm binder layer) from station B0+000 to station B0+240.



Photo #6: Side walk curb stone painting from station A0+200 to station A0+260 RHS



**Photo #7: Concrete casting ditch and concrete protection from station B0+900 to station B0+981 LHS**



**Photo #8: Start cleaning and housekeeping along segment B.**



**Photo #9: Protective coating of outfall of sewer line at station Sta.0+019.**



**Photo #10: Thermoplastic Road paint of along segment B**



# Annexes

- A. Materials- Equipment Received Log
- B. Site Memorandum Log
- C. Inspection Request Log
- D. Submittals Log.
- E. RFI's Log for the Reporting Period
- F. Payment Log
- G. Transmittal Log
- H. Geo-MIS Data
- I. Risk Register
- J. Project Updated Schedule
- K. One Month Look ahead Schedule
- L. Completed and in progress activities
- M. Progress S-Curve versus Actual
- N. Approved Original CPM Schedule and Narrative Report



# Annex A:

## Materials- Equipment Received Log



USAID WEST BANK - GAZA  
Local Construction Program (LCP)  
CONTRACT NO. AID-294-I-00-13-00002  
TASK ORDER NO. AID-294-TO-15-000001  
Hebron WWTP Access Road



Updated Date: September 30, 2015

**Material Log**

| Date                          | Material Delivered to Site | Quantity |
|-------------------------------|----------------------------|----------|
| <b>Month : December, 2014</b> |                            |          |
| December 15, 2014             | None                       | None     |
| December 16, 2014             | None                       | None     |
| December 17, 2014             | None                       | None     |
| December 18, 2014             | None                       | None     |
| December 19, 2014             | None                       | None     |
| December 20, 2014             | None                       | None     |
| December 21, 2014             | None                       | None     |
| December 22, 2014             | None                       | None     |
| December 23, 2014             | None                       | None     |
| December 24, 2014             | None                       | None     |
| December 25, 2014             | None                       | None     |
| December 26, 2014             | None                       | None     |
| December 27, 2014             | None                       | None     |
| December 28, 2014             | None                       | None     |
| December 29, 2014             | None                       | None     |
| December 30, 2014             | None                       | None     |
| December 31, 2014             | None                       | None     |
| <b>Month : January, 2015</b>  |                            |          |
| January 1, 2015               | None                       | None     |
| January 2, 2015               | None                       | None     |
| January 3, 2015               | None                       | None     |
| January 4, 2015               | None                       | None     |
| January 5, 2015               | None                       | None     |
| January 6, 2015               | None                       | None     |
| January 7, 2015               | None                       | None     |
| January 8, 2015               | None                       | None     |
| January 9, 2015               | None                       | None     |
| January 10, 2015              | None                       | None     |
| January 11, 2015              | None                       | None     |
| January 12, 2015              | None                       | None     |
| January 13, 2015              | None                       | None     |
| January 14, 2015              | None                       | None     |
| January 15, 2015              | None                       | None     |
| January 16, 2015              | None                       | None     |
| January 17, 2015              | None                       | None     |
| January 18, 2015              | None                       | None     |
| January 19, 2015              | None                       | None     |
| January 20, 2015              | None                       | None     |
| January 21, 2015              | None                       | None     |
| January 22, 2015              | None                       | None     |
| January 23, 2015              | None                       | None     |
| January 24, 2015              | None                       | None     |
| January 25, 2015              | None                       | None     |
| January 26, 2015              | None                       | None     |
| January 27, 2015              | None                       | None     |
| January 28, 2015              | None                       | None     |
| January 29, 2015              | None                       | None     |
| January 30, 2015              | None                       | None     |
| January 31, 2015              | None                       | None     |
| <b>Month : February, 2015</b> |                            |          |
| February 1, 2015              | None                       | None     |
| February 2, 2015              | None                       | None     |
| February 3, 2015              | None                       | None     |
| February 4, 2015              | None                       | None     |
| February 5, 2015              | None                       | None     |
| February 6, 2015              | None                       | None     |
| February 7, 2015              | None                       | None     |



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-00-13-00002**  
**TASK ORDER NO. AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Updated Date: September 30, 2015

**Material Log**

| <b>Date</b>                | <b>Material Delivered to Site</b> | <b>Quantity</b>   |
|----------------------------|-----------------------------------|-------------------|
| February 8, 2015           | None                              | None              |
| February 9, 2015           | None                              | None              |
| February 10, 2015          | None                              | None              |
| February 11, 2015          | None                              | None              |
| February 12, 2015          | Traffic signs                     |                   |
| February 13, 2015          | None                              | None              |
| February 14, 2015          | Traffic signs                     | 11 PC             |
|                            | Concrete                          | 3 m <sup>3</sup>  |
| February 15, 2015          | 2' Water Steel Pipes              | 172 L.m           |
|                            | Joint Tap                         | 11 PC             |
|                            | WC for Female                     | 1 PC              |
| February 16, 2015          | Traffic signs                     | 2 PC              |
| February 17, 2015          | None                              | None              |
| February 18, 2015          | Steel water tank 8 m <sup>3</sup> | 2 PC              |
| February 19, 2015          | None                              | None              |
| February 20, 2015          | None                              | None              |
| February 21, 2015          | None                              | None              |
| February 22, 2015          | None                              | None              |
| February 23, 2015          | None                              | None              |
| February 24, 2015          | Base Course                       | 50 m <sup>3</sup> |
|                            | Water Tank                        | 1                 |
| February 25, 2015          | Base Course                       | 70 m <sup>3</sup> |
| February 26, 2015          | Base Course                       | 50 m <sup>3</sup> |
|                            | 4" Water Steel pipes              | 1003 L.m          |
| February 27, 2015          |                                   |                   |
| February 28, 2015          | None                              | None              |
| <b>Month : March, 2015</b> |                                   |                   |
| March 1, 2015              | None                              | None              |
| March 2, 2015              | None                              | None              |
| March 3, 2015              | Concrete Barriers                 | 10 PC             |
|                            | Steel Barriers                    | 20 PC             |
|                            | Traffic signs                     | 2 PC              |
| March 4, 2015              | None                              | None              |
| March 5, 2015              | RW Steel Reinforement             | 10618 Kg          |
| March 6, 2015              | None                              | None              |
| March 7, 2015              | Traffic signs                     | 2 PC              |
|                            | Steel Barriers                    | 20 PC             |
|                            | Concrete                          | 2 m <sup>3</sup>  |
|                            | Warning Tap                       | 200 mm            |
|                            | Cons                              | 10 PC             |
| March 8, 2015              | None                              | None              |
| March 9, 2015              | None                              | None              |
| March 10, 2015             | None                              | None              |
| March 11, 2015             | None                              | None              |
| March 12, 2015             | Base Course                       | 60 m <sup>3</sup> |
| March 13, 2015             | None                              | None              |
| March 14, 2015             | Formwork for RW                   | 20 PC             |
| March 15, 2015             | Base Course                       | 60 m <sup>3</sup> |
| March 16, 2015             | Somsom                            | 60 m <sup>3</sup> |
|                            | Single Size                       | 60 m <sup>3</sup> |
| March 17, 2015             | Blinding Concrete B150            | 19 m <sup>3</sup> |
|                            | Concrete Barriers                 | 8 PC              |
| March 18, 2015             | Plywood duck formwork             | 50                |
|                            | T- Fitting 4x4"                   | 2                 |
|                            | T- Fitting 4x2"                   | 8                 |
|                            | Elbow 45 / 4"                     | 4                 |
|                            | Elbow 90 / 4"                     | 2                 |
| March 19, 2015             | Blinding Concrete                 | 38 m <sup>3</sup> |



**USAID WEST BANK - GAZA**  
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**Hebron WWTP Access Road**



Updated Date: September 30, 2015

**Material Log**

| <b>Date</b>                | <b>Material Delivered to Site</b> | <b>Quantity</b> |
|----------------------------|-----------------------------------|-----------------|
| March 20, 2015             | None                              | None            |
| March 21, 2015             | 4" UPC Pipes                      | 14              |
|                            | Reinforement Steel                | 9970 Kg         |
|                            | Somsom                            | 40 m3           |
|                            | Homos                             | 80 m3           |
| March 22, 2015             | Bitumen Coating                   | 9               |
|                            | Concrete B300                     | 85 m3           |
| March 23, 2015             | Single Size                       | 110 m3          |
|                            | Somsom                            | 60 m3           |
| March 24, 2015             | Homos                             | 40 m3           |
|                            | Somsom                            | 40 m3           |
| March 25, 2015             | Homos                             | 40 m3           |
|                            | Homos                             | 80 m3           |
|                            | Concrete B300                     | 50 m3           |
|                            | Concrete B200                     | 1 m3            |
| March 26, 2015             | Somsom                            | 80 m3           |
|                            | Homos                             | 80 m3           |
|                            | Reinforement Steel                | 3488 Kg         |
| March 27, 2015             | None                              | None            |
| March 28, 2015             | Somsom                            | 20 m3           |
|                            | Homos                             | 60 m3           |
|                            | Formwork                          | 50 m2           |
| March 29, 2015             | Somsom                            | 40 m3           |
|                            | Homos                             | 80 m3           |
|                            | Concrete B300                     | 54 m3           |
| March 30, 2015             | Somsom                            | 40 m3           |
|                            | Homos                             | 80 m3           |
|                            | Concrete B300                     | 8 m3            |
| March 31, 2015             | Somsom                            | 40 m3           |
|                            | Homos                             | 40 m3           |
| <b>Month : April, 2015</b> |                                   |                 |
| April 1, 2015              | Somsom                            | 40 m3           |
|                            | Single Size                       | 100 m3          |
| April 2, 2015              | Steel Reinforcement               | 8350 Kg         |
|                            | Concrete B300                     | 13.5 m3         |
| April 3, 2015              | None                              | None            |
| April 4, 2015              | 4" PVC Pipe (Weep Whole)          | 18 PC           |
| April 5, 2015              | Concrete B300                     | 14m3            |
|                            | Flanged 2"                        | 53 PC           |
|                            | Elbow2"                           | 12 PC           |
|                            | Flanged 4"                        | 26 PC           |
| April 6, 2015              | None                              | None            |
| April 7, 2015              | Concrete B300                     | 7 m3            |
| April 8, 2015              | Concrete B300                     | 6 m3            |
| April 9, 2015              | Concrete B300                     | 12 m3           |
| April 10, 2015             | None                              | None            |
| April 11, 2015             | None                              | None            |
| April 12, 2015             | None                              | None            |
| April 13, 2015             | None                              | None            |
| April 14, 2015             | Filling Material                  | 200 m3          |
|                            | Concrete B300                     | 12 m3           |
| April 15, 2015             | Filling Material                  | 150 m3          |
|                            | Concrete B300                     | 12m3            |
| April 16, 2015             | None                              | None            |
| April 17, 2015             | None                              | None            |
| April 18, 2015             | Concrete B300                     | 12 m3           |
| April 19, 2015             | 2" Threaded Fitting               | 180 PC          |



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**Hebron WWTP Access Road**



Updated Date: September 30, 2015

**Material Log**

| <b>Date</b>              | <b>Material Delivered to Site</b>                                      | <b>Quantity</b> |
|--------------------------|--|-----------------|
| April 20, 2015           | Concrete B300  | 10.5 m3         |
|                          | Base Coarse  | 60 m3           |
|                          | Concrete Repairing Material / Renderoc                                 | 60 Kg           |
| April 21, 2015           | Base Coarse  | 100 m3          |
| April 22, 2015           | Concrete B300  | 12 m3           |
| April 23, 2015           | Concrete B300  | 9 m3            |
| April 24, 2015           | None   | None            |
| April 25, 2015           | Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15 | 10 PC           |
| April 26, 2015           | Single Size  | 40 m3           |
|                          | Somsom   | 20 m3           |
| April 27, 2015           | Concrete B300  | 14 m3           |
| April 28, 2015           | Single Size  | 40 m3           |
|                          | Somsom   | 40 m3           |
| April 29, 2015           | Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15 | 10 PC           |
| April 30, 2015           | Concrete B300  | 12.5 m3         |
| <b>Month : May, 2015</b> |  |                 |
| May 1, 2015              | None   | None            |
| May 2, 2015              | None   | None            |
| May 3, 2015              | Somsom   | 40 m3           |
|                          | Single Size  | 40 m3           |
| May 4, 2015              | Single Size  | 80 m3           |
| May 5, 2015              | Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15 | 8 PC            |
| May 6, 2015              | Filling Material   | 500 m3          |
| May 7, 2015              | Precast Water Manhole  | 2 PC            |
|                          | Single Size  | 400 m3          |
| May 8, 2015              | None   | None            |
| May 9, 2015              | Water Manholes Covers  | 12 PC           |
|                          | Single Size  | 400 m3          |
|                          | Sewer Manholes Covers  | 14 PC           |
| May 10, 2015             | Single Size  | 60 m3           |
| May 11, 2015             | Single Size  | 200 m3          |
|                          | Filling Material   | 200 m3          |
| May 12, 2015             | Single Size  | 140 m3          |
| May 13, 2015             | Single Size  | 120 m3          |
| May 14, 2015             | Single Size  | 120 m3          |
|                          | Precast Water Manhole  | 2 PC            |
|                          | Filling Material   | 150 m3          |
| May 15, 2015             | None   | None            |
| May 16, 2015             | Filling Material   | 400 m3          |
| May 17, 2015             | Filling Material   | 120 m3          |
| May 18, 2015             | None   | None            |
| May 19, 2015             | Filling Material   | 200 m3          |
| May 20, 2015             | Filling Material   | 300 m3          |
| May 21, 2015             | Filling Material   | 120 m3          |
| May 22, 2015             | None   | None            |
| May 23, 2015             | Filling Material   | 200 m3          |
|                          | Concrete B300  | 7 m3            |
| May 24, 2015             | Single Size  | 100 m3          |
|                          | Somsom   | 100 m3          |
| May 25, 2015             | Filling Material   | 300 m3          |
|                          | Concrete B350  | 16 m3           |
| May 26, 2015             | Filling Material   | 200 m3          |
| May 27, 2015             | Filling Material   | 200 m3          |
| May 28, 2015             | Single Size  | 40 m3           |
|                          | Concrete B350  | 12.5 m3         |



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-00-13-00002**  
**TASK ORDER NO. AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Updated Date: September 30, 2015

**Material Log**

| <b>Date</b>               | <b>Material Delivered to Site</b> | <b>Quantity</b> |
|---------------------------|-----------------------------------|-----------------|
| May 29, 2015              | None                              | None            |
| May 30, 2015              | Base Coarse                       | 200 m3          |
| May 31, 2015              | Base Coarse                       | 80 m3           |
| <b>Month : June, 2015</b> |                                   |                 |
| June 1, 2015              | Filling Material                  | 300 m3          |
|                           | Concrete B350                     | 3 m3            |
| June 2, 2015              | Base Course                       | 200 m3          |
|                           | Somsom                            | 20 m3           |
|                           | Precast Manholes                  | 2 PC            |
| June 3, 2015              | Base Course                       | 600 m3          |
|                           | Filling Material                  | 300 m3          |
| June 4, 2015              | Base Course                       | 200 m3          |
|                           | Rock fill Materials               | 200 m3          |
| June 5, 2015              |                                   |                 |
| June 6, 2015              | Base Course                       | 200 m3          |
|                           | Rock fill Materials               | 300 m3          |
| June 7, 2015              | Rock fill Materials               | 300 m3          |
| June 8, 2015              | Rock fill Materials               | 250 m3          |
| June 9, 2015              | Rock fill Materials               | 400 m3          |
| June 10, 2015             | Rock fill Materials               | 100 m3          |
|                           | Pipe Culvert(1000 mm Diameter     | 20 ML           |
| June 11, 2015             | Rock fill Materials               | 250 m3          |
| June 12, 2015             |                                   |                 |
| June 13, 2015             | Rock fill Materials               | 200 m3          |
|                           | Base Course                       | 300 m3          |
| June 14, 2015             | Rock fill Materials               | 300 m3          |
|                           | Base Course                       | 400 m3          |
| June 15, 2015             | Concrete B200                     | 14 m3           |
| June 16, 2015             | None                              | None            |
| June 17, 2015             | None                              | None            |
| June 18, 2015             | None                              | None            |
| June 19, 2015             |                                   |                 |
| June 20, 2015             | Concrete B300                     | 11 m3           |
| June 21, 2015             | Concrete B300                     | 11 m3           |
| June 22, 2015             | Base Course                       | 80 m3           |
| June 23, 2015             | Base Course                       | 300 m3          |
| June 24, 2015             | Base Course                       | 580 m3          |
|                           | Concrete B300                     | 8.5 m3          |
| June 25, 2015             | Base Course                       | 40 m3           |
|                           | Concrete B300                     | 6.5 m3          |
|                           | Reinforced steel                  | 1.314 ton       |
| June 26, 2015             |                                   |                 |
| June 27, 2015             | Granular fill                     | 40 m3           |
| June 28, 2015             | Granular fill                     | 100 m3          |
|                           | Concrete B300                     | 18 m3           |
| June 29, 2015             | Granular fill                     | 60 m3           |
|                           | Concrete B300                     | 11 m3           |
| June 30, 2015             | Base Coarse                       | 560 m3          |
|                           | Concrete B 300                    | 9 m3            |
|                           | Galvanized Steel Pipe 2"          | 130 ml          |
| <b>Month : July, 2015</b> |                                   |                 |
| July 1, 2015              | Base Coarse                       | 460m3           |
|                           | Reinforced steel                  | 4.1ton          |
| July 2, 2015              | Base Coarse                       | 80m3            |
|                           | Concrete B300                     | 9m3             |
| July 3, 2015              |                                   |                 |
| July 4, 2015              | Granular fill                     | 40m3            |
|                           | Concrete B300                     | 19m3            |



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**Hebron WWTP Access Road**



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**Material Log**

| <b>Date</b>                 | <b>Material Delivered to Site</b> | <b>Quantity</b> |
|-----------------------------|-----------------------------------|-----------------|
|                             | Single Size aggregate             | 80m3            |
| July 5, 2015                | Granular fill                     | 40m3            |
|                             | Concrete B300                     | 6.5m3           |
|                             | Concrete B200                     | 31m3            |
| July 6, 2015                | Concrete B300                     | 14m3            |
| July 7, 2015                | Granular fill                     | 80m3            |
|                             | Concrete B300                     | 5m3             |
| July 8, 2015                | Concrete B300                     | 7m3             |
|                             | Reinforced steel                  | 4.66ton         |
| July 9, 2015                | Single Size                       | 100m3           |
|                             | Concrete B300                     | 4m3             |
| July 10, 2015               |                                   |                 |
| July 11, 2015               | Reinforced steel                  | 15.1ton         |
| July 12, 2015               | Asphalt                           | 858ton          |
| July 13, 2015               | Reinforced steel                  | 4.17ton         |
|                             | Granular fill                     | 180m3           |
| July 14, 2015               | Granular fill                     | 100m3           |
|                             | Concrete Sewer Pipe               | 6ml             |
|                             | Reinforced steel                  | 3tons           |
| July 15, 2015               | Granular fill                     | 120m3           |
|                             | Concrete Sewer Pipe               | 24ml            |
|                             | Concrete B300                     | 106m3           |
| July 16, 2015               |                                   |                 |
| July 17, 2015               |                                   |                 |
| July 18, 2015               |                                   |                 |
| July 19, 2015               |                                   |                 |
| July 20, 2015               |                                   |                 |
| July 21, 2015               | Concrete Sewer Pipe               | 6ml             |
|                             | Single Size                       | 120m3           |
|                             | Granular fill                     | 80m3            |
|                             | Sand                              | 20m3            |
|                             | Rubber gasket                     | 102 unit        |
| July 22, 2015               | Concrete Sewer Pipe               | 12ml            |
|                             | Single Size                       | 60m3            |
|                             | Granular fill                     | 60m3            |
|                             | Concrete B300                     | 44m3            |
| July 23, 2015               | Concrete Sewer Pipe               | 30ml            |
|                             | Single Size                       | 80m3            |
|                             | Granular fill                     | 80m3            |
| July 24, 2015               |                                   |                 |
| July 25, 2015               | Concrete Sewer Pipe               | 30ml            |
|                             | Concrete B300                     | 50m3            |
|                             | Granular fill                     | 100m3           |
| July 26, 2015               | Concrete Sewer Pipe               | 30ml            |
|                             | Concrete (B300)                   | 50 m3           |
|                             | Granular fill                     | 100m3           |
| July 27, 2015               | Concrete Sewer Pipe               | 12ml            |
| July 28, 2015               | Concrete B300                     | 25m3            |
|                             | Granular fill                     | 40m3            |
|                             | Reinforced steel                  | 4.15ton         |
| July 29, 2015               | Concrete Sewer Pipe               | 4ml             |
|                             | Granular fill                     | 60m3            |
|                             | Curbstone                         | 120ml           |
| July 30, 2015               | Concrete Sewer Pipe               | 12ml            |
|                             | Concrete B300                     | 18m3            |
|                             | Granular fill                     | 60m3            |
| July 31, 2015               |                                   |                 |
| <b>Month : August, 2015</b> |                                   |                 |



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**Material Log**

| <b>Date</b>     | <b>Material Delivered to Site</b> | <b>Quantity</b> |
|-----------------|-----------------------------------|-----------------|
| August 1, 2015  | Concrete Sewer Pipe               | 12ml            |
|                 | Concrete B300                     | 12m3            |
|                 | Granular fill                     | 80m3            |
| August 2, 2015  | Granular fill                     | 80m3            |
| August 3, 2015  | Concrete Sewer Pipe               | 12ml            |
|                 | Granular fill                     | 40m3            |
| August 4, 2015  | Concrete Sewer Pipe               | 12ml            |
|                 | Granular fill                     | 40m3            |
| August 5, 2015  | Concrete Sewer Pipe               | 12ml            |
|                 | Granular fill                     | 60m3            |
|                 | Concrete B300                     | 21m3            |
|                 | Concrete B300(slag cement)        | 7m3             |
| August 6, 2015  | Concrete Sewer Pipe               | 12ml            |
| August 7, 2015  |                                   |                 |
| August 8, 2015  | Asphalt Material                  | 710 ton         |
|                 | Concrete Sewer Pipe               | 12ml            |
| August 9, 2015  | Concrete Sewer Pipe               | 18ml            |
|                 | Concrete B300                     | 15m3            |
|                 | Granular fill                     | 80m3            |
| August 10, 2015 | Concrete Sewer Pipe               | 18ml            |
|                 | Concrete B300                     | 3.5m3           |
|                 | Granular fill                     | 80m3            |
| August 11, 2015 | Concrete Sewer Pipe               | 18ml            |
|                 | Concrete B300(slag cement)        | 9m3             |
|                 | Granular fill                     | 60m3            |
| August 12, 2015 | Base Course                       | 20m3            |
|                 | Concrete Sewer Pipe               | 24ml            |
|                 | Concrete B300                     | 90m3            |
|                 | Granular fill                     | 60m3            |
|                 | Single Size                       | 60m3            |
| August 13, 2015 | Concrete Sewer Pipe               | 18ml            |
|                 | Concrete B300                     | 61m3            |
|                 | Granular fill                     | 60m3            |
|                 | Single Size                       | 60m3            |
| August 14, 2015 |                                   |                 |
| August 15, 2015 | Base Course                       | 20m3            |
|                 | Concrete Sewer Pipe               | 24ml            |
|                 | Single Size                       | 80m3            |
|                 | Granular fill                     | 60m3            |
| August 16, 2015 | Concrete Sewer Pipe               | 30ml            |
|                 | Concrete B300                     | 12m3            |
|                 | Granular fill                     | 100m3           |
| August 17, 2015 | Concrete Sewer Pipe               | 36ml            |
|                 | Granular fill                     | 100m3           |
| August 18, 2015 | Concrete Sewer Pipe               | 30ml            |
|                 | Granular fill                     | 120m3           |
|                 | Concrete B300                     | 12m3            |
|                 | Single Size                       | 100 m3          |
| August 19, 2015 | Concrete Sewer Pipe               | 36 ml           |
|                 | Granular fill                     | 100 m3          |
|                 | Concrete B200                     | 5 m3            |
|                 | Single Size                       | 100 m3          |
| August 20, 2015 | Concrete Sewer Pipe               | 36 ml           |
|                 | Granular fill                     | 100 m3          |
|                 | Concrete B200                     | 5 m3            |
|                 | Single Size                       | 100 m3          |
| August 21, 2015 | None                              | None            |
|                 | Concrete Sewer Pipe               | 9 PCS           |



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**Material Log**

| <b>Date</b>                    | <b>Material Delivered to Site</b>         | <b>Quantity</b> |
|--------------------------------|---|-----------------|
| August 22, 2015                | Cocrete B300 ( Slag Cement)               | 6 m3            |
|                                | Concrete B200                             | 2 m3            |
|                                | Single Size                               | 100 m3          |
|                                | somsom                                    | 100 m3          |
| August 23, 2015                | Granular fill                             | 100 m3          |
|                                | Cocrete B300 ( Slag Cement)               | 11.5 m3         |
|                                | Concrete B300                             | 114 m3          |
|                                | Single Size                               | 120 m3          |
|                                | Nit proof                                 | 10 PCS          |
|                                | Nit cote                                  | 15 PCS          |
|                                | Steel Reinforcement                       | 4 ton           |
| August 24, 2015                | Concrete B300                             | 34 m3           |
|                                | Concrete B300 (Slag cement )              | 13 m3           |
|                                | Single size                               | 120 m3          |
|                                | Concret sewer pipes (1500mm)              | 21 PCS          |
|                                | Base course                               | 20 m3           |
| August 25, 2015                | Concrete Sewer Pipes (1500mm)             | 3 PCS           |
|                                | Somsom                                    | 20 TON          |
| August 26, 2015                | Concrete sewer pipes ( 1500mm)            | 18 PCS          |
|                                | Single size                               | 120 m3          |
|                                | Concrete (B300) (slag cement )            | 3.0 m3          |
|                                | Concrete ( B300 )                         | 14 m3           |
|                                | Concrete ( B200 )                         | 1 m3            |
| August 27, 2015                | Concrete sewer pipes ( 1500mm)            | 15 PCS          |
|                                | Single size                               | 120 m3          |
| August 28, 2015                | Prime Coat MC                             | 1300 kg         |
| August 29, 2015                | Asphalt 3/4" hot mix                      | 550 ton         |
|                                | Single Size                               | 120 m3          |
|                                | RC Table Coat                             | 4500 kg         |
| August 30, 2015                | Single Size                               | 120 m3          |
|                                | Mechanical Valves & Dismantle Connectives | 28 PCS          |
| August 31, 2015                | Single Size                               | 120 m3          |
|                                | Concrete B300                             | 1.5 m3          |
| <b>Month : September, 2015</b> |   |                 |
| September 1, 2015              | Concrete B300 (Slag cement )              | 23 m3           |
|                                | Concrete B300                             | 8.5 m3          |
|                                | Single Size                               | 100 m3          |
| September 2, 2015              | Concrete B300 (Slag cement )              | 14 m3           |
|                                | Single size                               | 140 m3          |
|                                | Steel Reinforcement                       | 4 TON           |
|                                | Tie rod                                   | 1100 PCS        |
| September 3, 2015              | Concrete B300 (Slag cement )              | 3.5 m3          |
|                                | single size                               | 140 m3          |
| September 4, 2015              |   |                 |
| September 5, 2015              | Concrete B300 (Slag cement )              | 7 m3            |
|                                | single size                               | 120 m3          |
| September 6, 2015              | Concrete B300(slag cement)                | 9 m3            |
|                                | Concrete B300                             | 36 m3           |
|                                | single Size                               | 120 m3          |
|                                | Nit proof 15                              | 14 Gallon       |
| September 7, 2015              | single Size                               | 100 m3          |
| September 8, 2015              | Concrete B300 (Slag cement )              | 13 m3           |
|                                | single Size                               | 200 m3          |
|                                | Base course                               | 40 m3           |
|                                | Manhole steps                             | 100 PCS         |
| September 9, 2015              | Concrete B300 (Slag cement )              | 13 m3           |
|                                | single Size                               | 200 m3          |
|                                | Base course                               | 200 m3          |



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**Material Log**

| <b>Date</b>        | <b>Material Delivered to Site</b> | <b>Quantity</b> |
|--------------------|-----------------------------------|-----------------|
| September 10, 2015 | Concrete B300 (Slag cement )      | 11 m3           |
|                    | single Size                       | 140 m3          |
|                    | Base course                       | 100 m3          |
| September 11, 2015 |                                   |                 |
| September 12, 2015 | Concrete B300(slag cement)        | 2.5 m3          |
|                    | Concrete B300                     | 2.0 m3          |
|                    | single Size                       | 100 m3          |
|                    | Guard rail                        | 150 ml          |
|                    | Traffic signs tube                | 18 PCS          |
| September 13, 2015 | Concrete B300 (Slag cement )      | 2 m3            |
|                    | single Size                       | 120 m3          |
|                    | Guard rail                        | 300 ml          |
|                    | Traffic signs                     | 14 PCS          |
| September 14, 2015 | Concrete B300 (Slag cement )      | 35.5 m3         |
|                    | single Size                       | 140 m3          |
|                    | Guard rail                        | 150 ml          |
| September 15, 2015 | Concrete B300 (Slag cement )      | 14 m3           |
|                    | single Size                       | 100 m3          |
|                    | Base Course                       | 100 ml          |
| September 16, 2015 | Concrete B300 (Slag cement )      | 16 m3           |
|                    | single Size                       | 100 m3          |
|                    | Guard rail                        | 250 ml          |
| September 17, 2015 | Concrete B300 (Slag cement )      | 22m3            |
|                    | single size                       | 140 m3          |
| September 18, 2015 |                                   |                 |
| September 19, 2015 | Concrete B300 (Slag cement )      | 7 m3            |
|                    | Single Size                       | 80 m3           |
|                    | MC Prime Coat                     | 2800 liter      |
| September 20, 2015 | Asphalt 3/4" hot mix              | 660 TON         |
|                    | Concrete B300 (Slag cement )      | 2 m3            |
|                    | Nito coat ET402E                  | 14 barrel       |
| September 21, 2015 | Base course                       | 60 m3           |
| September 22, 2015 | Concrete B300                     | 63 m3           |
| September 23, 2015 |                                   |                 |
| September 24, 2015 |                                   |                 |
| September 25, 2015 |                                   |                 |
| September 26, 2015 |                                   |                 |
| September 27, 2015 | Concrete B300                     | 63 m3           |
| September 28, 2015 | Concrete B300 (Slag cement )      | 5 m3            |
|                    | Guard Rail                        | 50 ml           |
|                    | Traffic Sign Post                 | 15 PCS          |
| September 29, 2015 | None                              | None            |
| September 30, 2015 | Single Size                       | 20 m3           |
|                    | Thermoplastic Paint               | 20 sag          |



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**Equipment Log**

| Date<br>Equipment |                 | 15-Dec-15 | 16-Dec-15       | 17-Dec-15 | 18-Dec-15 | 19-Dec-15 | 20-Dec-15 | 21-Dec-15 | 22-Dec-15 | 23-Dec-15 | 24-Dec-15 | 25-Dec-15 | 26-Dec-15 | 27-Dec-15 | 28-Dec-15 | 29-Dec-15 | 30-Dec-15 | 31-Dec-15 |
|-------------------|-----------------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                   |                 | Grader    | Quantity in use | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         |
| Quantity idle     | 0               |           | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Wheel Loader      | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Bob Cat           | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Compactor         | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| JCB               | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Excavator         | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Trencher          | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
| Welding Machine   | Quantity in use | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |
|                   | Quantity idle   | 0         | 0               | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         | 0         |           | 0         | 0         | 0         | 0         | 0         |

























# Annex B:

## Site Memorandum Log



**USAID WEST BANK - GAZA**  
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Last Updated : September 30, 2015

| SITE MEMOS LOG_FROM ENGINEER TO CONTRACTOR |                                      |                |   |                                    |   |
|--|--------------------------------------|----------------|---|------------------------------------|---|
| No.  | SM No.                               | Project        | Description   | Recieved Date                      | Type  |
| 1  | SM -15-000001-HAR-E-C-001            | HAR            | De- scoping for flow monitring chambers , instrumentations and SCADA  | March 5, 2015                      | Site instruction                                    |
| 2  | <del>SM -15-000001-HAR-E-C-002</del> | <del>HAR</del> | <del>Typical Cross Section For Segment A of the Road From STA.B 0+200 TO STA.B1+040</del>   | <del>Retracted March 09,2015</del> | <del>Site instruction</del>                         |
| 3  | SM -15-000001-HAR-E-C-002            | HAR            | Typical Cross Section For Segment A of the Road From STA.B 0+200 TO STA.B1+040  | March 10, 2015                     | Site instruction                                    |
| 4  | SM -15-000001-HAR-E-C-003            | HAR            | Additional 4" Water Gate Valve and Chamber at Sta . A0+182  | March 16, 2015                     | Site instruction                                    |
| 5  | SM -15-000001-HAR-E-C-004            | HAR            | Response to SM-15-000001-C-E-001(Unstable Concrete Wall Adjacent to 4" water pipeline at Segment A)   | April 6, 2015                      | Site instruction                                    |
| 6  | SM -15-000001-HAR-E-C-005            | HAR            | Trench Backfilling for Water Pipe Line at Segment B   | May 12, 2015                       | Record of Unsatisfactory Work Practice              |
| 7  | SM -15-000001-HAR-E-C-006            | HAR            | Retaning Wall Concrete Fisish Quality at Seg.B  | May 18, 2015                       | Record of Non Qualirty Compliance &Site instruction |
| 8  | SM -15-000001-HAR-E-C-007            | HAR            | Response to SM-15-000001-C-E-004(Landowners Objection Toward Construction of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+257 RHS) and SM-15-000001-C-E-005(Work prevention by landowners at Segment A From Sta.A0+230 to Sta.A0+480 | May 18, 2015                       | Other   |
| 9  | SM -15-000001-HAR-E-C-008            | HAR            | Land Obstruction at Sta.B0+030  | June 8, 2015                       | Site instruction                                    |
| 10   | SM -15-000001-HAR-E-C-009            | HAR            | Construction of concrete Ditches at Segment A and B   | June 23, 2015                      | Site instruction                                    |
| 11   | SM -15-000001-HAR-E-C-010            | HAR            | Additional Works.   | June 24, 2015                      | Site instruction                                    |
| 12   | SM -15-000001-HAR-E-C-011            | HAR            | Unaccepted Asphalt Material at Segment A  | July 28, 2015                      | Site instruction                                    |



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| SITE MEMOS LOG_FROM ENGINEER TO CONTRACTOR |                           |         |   |                    |  |
|--|---------------------------|---------|---|--------------------|--|
| No.  | SM No.                    | Project | Description   | Recieved Date      | Type   |
| 13   | SM -15-000001-HAR-E-C-012 | HAR     | Work disruption by Hebron Electric Power Company (HEPCO)  | August 2, 2015     | other  |
| 14   | SM -15-000001-HAR-E-C-013 | HAR     | Response to SM-15-000001-C-E-009(Work disruption by Hebron Electric Power Company (HEPCO)).                 | August 9, 2015     | other  |
| 15   | SM -15-000001-HAR-E-C-014 | HAR     | Asphalt Finish Quality at HAR Project Seg B.  | August 11, 2015    | Record of Non Quality Compliance                                   |
| 16   | SM -15-000001-HAR-E-C-015 | HAR     | Response to SM-15-000001-C-E-010(Quality Issues Regarding HEPCO works).                                     | August 16, 2015    | other  |
| 17   | SM -15-000001-HAR-E-C-016 | HAR     | Asphalt Finish Quality at HAR Project Seg A.  | September 1, 2015  | Site instruction & Record of Non Quality Compliance                |
| 18   | SM -15-000001-HAR-E-C-017 | HAR     | Unsafe conditions   | September 6, 2015  | Record of Unsatisfactory Work Practice &Record of Unsafe Condition |
| 19   | SM -15-000001-HAR-E-C-018 | HAR     | Response to SM -15-000001-HAR-C-E-011(work disruption due to dumping waste materials (Stone Cutting Sully)) | September 14, 2015 | Other  |
| 20   | SM -15-000001-HAR-E-C-019 | HAR     | Damages of the existing stone wall at segment A   | September 14, 2015 | Site instruction   |
| 21   | SM -15-000001-HAR-E-C-020 | HAR     | Hebron Access Road Project Initial List   | September 20, 2015 | Other  |



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**SITE MEMOS LOG\_FROM CONTRACTOR TO ENGINEER**

| No. | SM No.                    | Project | Description   | Submitted Date     | Type                       |
|-----|---------------------------|---------|---|--------------------|----------------------------|
| 1   | SM -15-000001-HAR-C-E-001 | HAR     | Unstable Concrete Wall Adjacent to 4" water pipeline at Segment A   | April 1, 2015      | Record of Unsafe Condition |
| 2   | SM -15-000001-HAR-C-E-002 | HAR     | Telephone cable Adjacent to 4" water pipeline at Segment A  | April 5, 2015      | Record of Unsafe Condition |
| 3   | SM -15-000001-HAR-C-E-003 | HAR     | Work disruption by landowners (Road Segment – A)  | April 28, 2015     | Other                      |
| 4   | SM -15-000001-HAR-C-E-004 | HAR     | Landowners Objection Toward Construction of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+257 RHS | May 14, 2015       | Other                      |
| 5   | SM -15-000001-HAR-C-E-005 | HAR     | Work Prevention by Landowners at Segment A from Sta.A0+230 to Sta.A0+480                                  | May 17, 2015       | Other                      |
| 6   | SM -15-000001-HAR-C-E-006 | HAR     | Work Disruption By Landowner  | May 21, 2015       | Other                      |
| 7   | SM -15-000001-HAR-C-E-007 | HAR     | Remobilization for construction of Box Culvert at St. B0+030 Response to (SM-15-000001-E-C-008)           | June 10, 2015      | Other                      |
| 8   | SM -15-000001-HAR-C-E-008 | HAR     | Work disruption by Hebron Electric Power Company (HEPCO) □  | July 30, 2015      | Other                      |
| 9   | SM -15-000001-HAR-C-E-009 | HAR     | Work disruption by Hebron Electric Power Company (HEPCO) □  | August 6, 2015     | Other                      |
| 10  | SM -15-000001-HAR-C-E-010 | HAR     | Quality Issues Regarding HEPCO works  | August 12, 2015    | Other                      |
| 11  | SM -15-000001-HAR-C-E-011 | HAR     | work disruption due to dumping waste materials (Stone Cutting Sullry) □                                   | August 20, 2015    | Other                      |
| 12  | SM -15-000001-HAR-C-E-012 | HAR     | Response to BV site Memo. No. 014   | September 16, 2015 | Other                      |
| 13  | SM -15-000001-HAR-C-E-013 | HAR     | Response to BV site Memo. No. 016   | September 16, 2015 | Other                      |



# Annex C:

## Inspection Request Log



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-00-13-00002**  
**TASK ORDER NO. AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



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| INSPECTION REQUEST LOG |                     |  |                   |                   |                   |                   |             |                |                |
|------------------------|---------------------|--|-------------------|-------------------|-------------------|-------------------|-------------|----------------|----------------|
| No.                    | IR No.              | Description  | Submitted Date    | Inspection Date   | Contract Due Date | Response Date     | Review Days | 1st Inspection | 2nd Inspection |
| 1                      | IR -15-01-HAR-001-A | Filed Office IT& Furniture   | January 20, 2015  | January 21, 2015  | January 22, 2015  | January 21, 2015  | 0           | C              |                |
| 2                      | IR -15-01-HAR-001-B | Filed Office IT& Furniture   | January 25, 2015  | January 25, 2015  | January 26, 2015  | January 26, 2015  | 1           | A              |                |
| 3                      | IR -15-01-HAR-002-A | Temporary Signs Location & Installation  | January 29, 2015  | January 29, 2015  | January 30, 2015  | January 29, 2015  | 0           | A              |                |
| 4                      | IR -15-01-HAR-003-A | Traffic signs locations  | February 11, 2015 | February 11, 2015 | February 12, 2015 | February 12, 2015 | 1           | C              |                |
| 5                      | IR -15-01-HAR-003-B | Traffic signs locations  | February 12, 2015 | February 12, 2015 | February 13, 2015 | February 15, 2015 | 3           | A              |                |
| 6                      | IR -15-01-HAR-004-A | Steel Pipes 2"   | February 26, 2015 | March 1, 2015     | March 2, 2015     | March 2, 2015     | 1           | C              |                |
| 7                      | IR -15-01-HAR-004-B | Steel Pipes 2"   | March 25, 2015    | March 25, 2015    | March 26, 2015    | March 26, 2015    | 1           | A              |                |
| 8                      | IR -15-01-HAR-005-A | Excavation to the proposed Retaining wall Foundation levels from Sta. B0+040 to B0+090 RHS   | March 4, 2015     | March 5, 2015     | March 6, 2015     | March 5, 2015     | 0           | A              |                |
| 9                      | IR -15-01-HAR-006-A | Steel Pipes 4"   | March 5, 2015     | March 8, 2015     | March 9, 2015     | March 9, 2015     | 1           | A              |                |
| 10                     | IR -15-01-HAR-007-A | Implementing Safety Traffic Plan at Segment A to Start Excavation  | March 5, 2015     | March 8, 2015     | March 9, 2015     | March 8, 2015     | 0           | C              |                |
| 11                     | IR -15-01-HAR-007-B | Implementing Safety Traffic Plan at Segment A From ST.A0+800 TO A1+005 to Start Digging only   | March 9, 2015     | March 9, 2015     | March 10, 2015    | March 9, 2015     | 0           | C              |                |
| 12                     | IR -15-01-HAR-007-C | Implementing Safety Traffic Plan at Segment A to Start Excavation  | March 15, 2015    | March 15, 2015    | March 16, 2015    | March 15, 2015    | 0           | A              |                |
| 13                     | IR -15-01-HAR-008-A | Retaining Wall Blinding Concrete From Sta.B0+040 to B0+090 RHS   | March 17, 2015    | March 17, 2015    | March 18, 2015    | March 17, 2015    | 0           | A              |                |
| 14                     | IR -15-01-HAR-009-A | Implementing Safety Traffic Plan for trenches excavation of 4" water line From Sta.A0+900 to Sta.A1+000  | March 19, 2015    | March 19, 2015    | March 20, 2015    | March 19, 2015    | 0           | A              |                |
| 15                     | IR -15-01-HAR-010-A | Retaining Wall Blinding Concrete From Sta.B0+090 to B0+230 RHS   | March 19, 2015    | March 19, 2015    | March 20, 2015    | March 19, 2015    | 0           | A              |                |
| 16                     | IR -15-01-HAR-011-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+950 to Sta.A0+974 | March 19, 2015    | March 19, 2015    | March 20, 2015    | March 19, 2015    | 0           | A              |                |
| 17                     | IR -15-01-HAR-012-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+800 to Sta.A0+950 | March 19, 2015    | March 21, 2015    | March 22, 2015    | March 22, 2015    | 1           | A              |                |
| 18                     | IR -15-01-HAR-013-A | Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+040 to Sta.B0+090 RHS   | March 22, 2015    | March 22, 2015    | March 23, 2015    | March 22, 2015    | 0           | A              |                |
| 19                     | IR -15-01-HAR-014-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+740 to Sta.A0+800 | March 23, 2015    | March 23, 2015    | March 24, 2015    | March 24, 2015    | 1           | A              |                |
| 20                     | IR -15-01-HAR-015-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+660 to Sta.A0+740 | March 24, 2015    | March 24, 2015    | March 25, 2015    | March 25, 2015    | 1           | A              |                |



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| INSPECTION REQUEST LOG |                     |  |                |                 |                   |                |             |                |                |
|------------------------|---------------------|--|----------------|-----------------|-------------------|----------------|-------------|----------------|----------------|
| No.                    | IR No.              | Description  | Submitted Date | Inspection Date | Contract Due Date | Response Date  | Review Days | 1st Inspection | 2nd Inspection |
| 21                     | IR -15-01-HAR-016-A | Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+090 to Sta.B0+160 RHS   | March 24, 2015 | March 25, 2015  | March 26, 2015    | March 25, 2015 | 0           | A              |                |
| 22                     | IR -15-01-HAR-017-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+600 to Sta.A0+660 | March 25, 2015 | March 25, 2015  | March 26, 2015    | March 26, 2015 | 1           | A              |                |
| 23                     | IR -15-01-HAR-018-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+500 to Sta.A0+600 | March 26, 2015 | March 26, 2015  | March 27, 2015    | March 26, 2015 | 0           | A              |                |
| 24                     | IR -15-01-HAR-019-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+420 to Sta.A0+500 | March 28, 2015 | March 28, 2015  | March 29, 2015    | March 29, 2015 | 1           | A              |                |
| 25                     | IR -15-01-HAR-020-A | Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+150 to Sta.B0+230 RHS   | March 29, 2015 | March 29, 2015  | March 30, 2015    | March 29, 2015 | 0           | A              |                |
| 26                     | IR -15-01-HAR-021-A | Handing over ground level and ROW limits at Segment B From Sta.B0+550 to Sta.B0+650 RHS to start filling layers                                  | March 29, 2015 | March 29, 2015  | March 30, 2015    | March 30, 2015 | 1           | A              |                |
| 27                     | IR -15-01-HAR-022-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+320 to Sta.A0+420 | March 29, 2015 | March 29, 2015  | March 30, 2015    | March 30, 2015 | 1           | A              |                |
| 28                     | IR -15-01-HAR-023-A | Reinforced Wall Formwork From Sta.B0+082 to Sta.B0+090 RHS   | March 30, 2015 | March 30, 2015  | March 31, 2015    | March 30, 2015 | 0           | A              |                |
| 29                     | IR -15-01-HAR-024-A | Reinforced Wall ( Levels , Reinforcement ) From Sta.B0+082 to Sta.B0+090 RHS   | March 30, 2015 | March 30, 2015  | March 31, 2015    | March 30, 2015 | 0           | A              |                |
| 30                     | IR -15-01-HAR-025-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+250 to Sta.A0+320 | March 30, 2015 | March 30, 2015  | March 31, 2015    | March 31, 2015 | 1           | A              |                |
| 31                     | IR -15-01-HAR-026-A | Reinforced Wall ( Levels , Reinforcement ) From Sta.B0+090 to Sta.B0+097.5 RHS   | March 31, 2015 | March 31, 2015  | April 1, 2015     | March 31, 2015 | 0           | A              |                |
| 32                     | IR -15-01-HAR-027-A | First filling layer Above subgrade at Segment B From Sta.B0+480 to Sta.B0+680  | April 2, 2015  | April 2, 2015   | April 3, 2015     | April 2, 2015  | 0           | A              |                |
| 33                     | IR -15-01-HAR-028-A | Reinforced Wall Formwork From Sta.B0+090 to Sta.B0+097.5 RHS   | April 2, 2015  | April 2, 2015   | April 3, 2015     | April 2, 2015  | 0           | A              |                |
| 34                     | IR -15-01-HAR-029-A | Retaining Wall Formwork From Sta.B0+074 to Sta.B0+082 RHS  | April 2, 2015  | April 2, 2015   | April 3, 2015     | April 2, 2015  | 0           | A              |                |
| 35                     | IR -15-01-HAR-030-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+074 to Sta.B0+082 RHS  | April 2, 2015  | April 2, 2015   | April 3, 2015     | April 2, 2015  | 0           | A              |                |
| 36                     | IR -15-01-HAR-031-A | Implementing Safety Traffic Plan for trenches excavation of 4" water pipeline From Sta.A0+220 to Sta.A0+260 and From Sta.A0+970 to Sta.A1+002    | April 2, 2015  | April 4, 2015   | April 5, 2015     | April 5, 2015  | 1           | A              |                |
| 37                     | IR -15-01-HAR-032-A | Retaining Wall ( Levels , Reinforcement )From Sta.B0+067.5 to Sta.B0+075 RHS & From Sta.B0+097.5 to Sta.B0+105 RHS                               | April 4, 2015  | April 4, 2015   | April 5, 2015     | April 5, 2015  | 1           | A              |                |



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| No.                    | IR No.              | Description  | Submitted Date | Inspection Date | Contract Due Date | Response Date  | Review Days | 1st Inspection | 2nd Inspection |
| 38                     | IR -15-01-HAR-033-A | Retaining Wall Formwork From Sta.B0+067.5 to Sta.B0+075 RHS & From Sta.B0+097.5 to Sta.B0+105 RHS  | April 5, 2015  | April 5, 2015   | April 6, 2015     | April 5, 2015  | 0           | A              |                |
| 39                     | IR -15-01-HAR-034-A | Second Filling layer 50 cm at Segment B From Sta.B0+480 to Sta.B0+680  | April 6, 2015  | April 6, 2015   | April 7, 2015     | April 7, 2015  | 1           | A              |                |
| 40                     | IR -15-01-HAR-035-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+230 to Sta.A0+250 | April 6, 2015  | April 6, 2015   | April 7, 2015     | April 7, 2015  | 1           | A              |                |
| 41                     | IR -15-01-HAR-036-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+105 to Sta.B0+120RHS   | April 7, 2015  | April 7, 2015   | April 8, 2015     | April 7, 2015  | 0           | A              |                |
| 42                     | IR -15-01-HAR-037-A | Retaining Wall Formwork From Sta.B0+105 to Sta.B0+112.8 RHS  | April 7, 2015  | April 7, 2015   | April 8, 2015     | April 7, 2015  | 0           | A              |                |
| 43                     | IR -15-01-HAR-038-A | Retaining Wall Formwork From Sta.B0+112.8 to Sta.B0+120 RHS  | April 8, 2015  | April 8, 2015   | April 9, 2015     | April 8, 2015  | 0           | A              |                |
| 44                     | IR -15-01-HAR-039-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+120 to Sta.B0+127.5RHS & From Sta.B0+135 to Sta.B0+142.5RHS                                | April 9, 2015  | April 9, 2015   | April 10, 2015    | April 9, 2015  | 0           | A              |                |
| 45                     | IR -15-01-HAR-040-A | Retaining Wall Formwork From Sta.B0+120 to Sta.B0+127.5RHS & From Sta.B0+135 to Sta.B0+142.5RHS  | April 9, 2015  | April 9, 2015   | April 10, 2015    | April 9, 2015  | 0           | A              |                |
| 46                     | IR -15-01-HAR-041-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+127.5 to Sta.B0+135RHS & From Sta.B0+142.5to Sta.B0+150RHS                                 | April 13, 2015 | April 13, 2015  | April 14, 2015    | April 13, 2015 | 0           | A              |                |
| 47                     | IR -15-01-HAR-042-A | Retaining Wall Formwork From Sta.B0+127.5 to Sta.B0+135RHS & From Sta.B0+142.5to Sta.B0+150RHS   | April 14, 2015 | April 14, 2015  | April 15, 2015    | April 14, 2015 | 0           | A              |                |
| 48                     | IR -15-01-HAR-043-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+150 to Sta.B0+157.5RHS & From Sta.B0+165.5to Sta.B0+172RHS                                 | April 15, 2015 | April 15, 2015  | April 16, 2015    | April 15, 2015 | 0           | A              |                |
| 49                     | IR -15-01-HAR-044-A | Retaining Wall Formwork From Sta.B0+150 to Sta.B0+157.5RHS & From Sta.B0+165.5to Sta.B0+172RHS   | April 15, 2015 | April 15, 2015  | April 16, 2015    | April 16, 2015 | 1           | A              |                |
| 50                     | IR -15-01-HAR-045-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+157.5 to Sta.B0+165 & Sta.B0+172.5 to Sta.B0+180 RHS                                       | April 16, 2015 | April 18, 2015  | April 19, 2015    | April 19, 2015 | 1           | A              |                |
| 51                     | IR -15-01-HAR-046-A | Retaining Wall Formwork From Sta.B0+157.5 to Sta.B0+165 & Sta.B0+172.5 to Sta.B0+180 RHS   | April 16, 2015 | April 18, 2015  | April 19, 2015    | April 19, 2015 | 1           | A              |                |
| 52                     | IR -15-01-HAR-047-A | Third Filling layer 25cm at Segment B From Sta.B0+480 to Sta.B0+680  | April 20, 2015 | April 20, 2015  | April 21, 2015    | April 20, 2015 | 0           | C              |                |
| 53                     | IR -15-01-HAR-047-B | Third Filling layer 25cm at Segment B From Sta.B0+480 to Sta.B0+680  | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 27, 2015 | 0           | A              |                |
| 54                     | IR -15-01-HAR-048-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+180 to Sta.B0+195  | April 20, 2015 | April 20, 2015  | April 21, 2015    | April 20, 2015 | 0           | A              |                |



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|------------------------|---------------------|--|----------------|-----------------|-------------------|----------------|-------------|----------------|----------------|
| No.                    | IR No.              | Description  | Submitted Date | Inspection Date | Contract Due Date | Response Date  | Review Days | 1st Inspection | 2nd Inspection |
| 55                     | IR -15-01-HAR-049-A | Retaining Wall Formwork From Sta.B0+180 to Sta.B0+195  | April 20, 2015 | April 20, 2015  | April 21, 2015    | April 20, 2015 | 0           | A              |                |
| 56                     | IR -15-01-HAR-050-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+202.5 to Sta.B0+217.5  | April 22, 2015 | April 22, 2015  | April 23, 2015    | April 22, 2015 | 0           | A              |                |
| 57                     | IR -15-01-HAR-051-A | Retaining Wall Formwork From Sta.B0+202.5 to Sta.B0+217.5  | April 22, 2015 | April 22, 2015  | April 23, 2015    | April 22, 2015 | 0           | A              |                |
| 58                     | IR -15-01-HAR-052-A | Retaining Wall Preparation for Protective Coating From Sta.B0+067.5 to Sta.B0+120 RHS Nearby land Side   | April 22, 2015 | April 22, 2015  | April 23, 2015    | April 22, 2015 | 0           | A              |                |
| 59                     | IR -15-01-HAR-053-A | Traffic Implementation to Start Widening Excavation From Sta.A1+000 to Sta.A1+056 RHS  | April 22, 2015 | April 22, 2015  | April 23, 2015    | April 22, 2015 | 0           | A              |                |
| 60                     | IR -15-01-HAR-054-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+020 to Sta.A0+080 | April 22, 2015 | April 22, 2015  | April 23, 2015    | April 23, 2015 | 1           | A              |                |
| 61                     | IR -15-01-HAR-055-A | Handing Over First Protective Coating of Retaining Wall From Sta.0+067.5 to Sta.B0+120 RHS   | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 62                     | IR -15-01-HAR-056-A | Handing Over Second Protective Coating of Retaining Wall ( Outer Surface) to Start Backfilling From Sta.0+067.5 to Sta.B0+120 RHS                | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 63                     | IR -15-01-HAR-057-A | Retaining Wall Preparation for Protective Coating From Sta.B0+067.5 to Sta.B0+120 RHS Road Side  | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 64                     | IR -15-01-HAR-058-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+217.5 to Sta.B0+230 RHS  | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 65                     | IR -15-01-HAR-059-A | Retaining Wall Formwork From Sta.B0+217.5 to Sta.B0+230 RHS  | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 66                     | IR -15-01-HAR-060-A | Excavation works ( Leveling , Compaction) to start filling layer at Segment B From Sta.B0+680 to Sta.B0+980                                      | April 23, 2015 | April 23, 2015  | April 24, 2015    | April 23, 2015 | 0           | A              |                |
| 67                     | IR -15-01-HAR-061-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+080 to Sta.A0+180 | April 23, 2015 | April 25, 2015  | April 26, 2015    | April 26, 2015 | 1           | A              |                |
| 68                     | IR -15-01-HAR-062-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+180 to Sta.A0+200 | April 26, 2015 | April 26, 2015  | April 27, 2015    | April 27, 2015 | 1           | A              |                |
| 69                     | IR -15-01-HAR-063-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+060 to Sta.B0+067.5 RHS & From Sta.B0+195 to Sta.B0+202.5 RHS                              | April 26, 2015 | April 26, 2015  | April 27, 2015    | April 27, 2015 | 1           | A              |                |
| 70                     | IR -15-01-HAR-064-A | Retaining Wall Formwork From Sta.B0+060 to Sta.B0+067.5 RHS & From Sta.B0+195 to Sta.B0+202.5 RHS  | April 26, 2015 | April 27, 2015  | April 28, 2015    | April 27, 2015 | 0           | A              |                |
| 71                     | IR -15-01-HAR-065-A | Rock fill First Layer ( Benching) From Sta.B0+860 to Sta.B0+920 RHS  | April 26, 2015 | April 26, 2015  | April 27, 2015    | April 27, 2015 | 1           | A              |                |



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|------------------------|---------------------|--|----------------|-----------------|-------------------|----------------|-------------|----------------|----------------|
| No.                    | IR No.              | Description  | Submitted Date | Inspection Date | Contract Due Date | Response Date  | Review Days | 1st Inspection | 2nd Inspection |
| 72                     | IR -15-01-HAR-066-A | Road Center Line (Coordinates and levels and limits of ROW) From Sta.B0+860 to Sta.B0+980  | April 26, 2015 | April 26, 2015  | April 27, 2015    | Retracted      | R           | Retracted      |                |
| 73                     | IR -15-01-HAR-066-A | Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Road land Side   | April 27, 2015 | April 28, 2015  | April 29, 2015    | April 28, 2015 | 0           | C              | A              |
| 74                     | IR -15-01-HAR-067-A | Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+067.5 to Sta.B0+120 RHS   | April 26, 2015 | April 26, 2015  | April 27, 2015    | April 27, 2015 | 1           | A              |                |
| 75                     | IR -15-01-HAR-068-A | Grabbing and Cleaning for the Road From Sta.B0+950 to Sta.B0+980   | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 28, 2015 | 1           | A              |                |
| 76                     | IR -15-01-HAR-069-A | Rock fill First Layer ( Benching) From Sta.B0+230 to Sta.B0+270 RHS  | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 27, 2015 | 0           | A              |                |
| 77                     | IR -15-01-HAR-070-A | Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+067.5 to Sta.B0+120 RHS  | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 27, 2015 | 0           | A              |                |
| 78                     | IR -15-01-HAR-071-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+215 to Sta.A0+230 RHS | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 28, 2015 | 1           | A              |                |
| 79                     | IR -15-01-HAR-072-A | Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Nearby land Side   | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 28, 2015 | 1           | C              |                |
| 80                     | IR -15-01-HAR-072-B | Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Nearby land Side   | April 29, 2015 | April 29, 2015  | April 30, 2015    | April 29, 2015 | 0           | A              |                |
| 81                     | IR -15-01-HAR-073-A | Threaded Galvanized Coupling Per SUB-15-000001-HAR-115-A   | April 27, 2015 | April 27, 2015  | April 28, 2015    | April 28, 2015 | 1           | A              |                |
| 82                     | IR -15-01-HAR-074-A | Retaining Wall ( Levels , Reinforcement ) From Sta.B0+043 to Sta.B0+060 RHS  | April 29, 2015 | April 29, 2015  | April 30, 2015    | April 29, 2015 | 0           | A              |                |
| 83                     | IR -15-01-HAR-075-A | Retaining Wall Formwork From Sta.B0+043 to Sta.B0+060 RHS  | April 29, 2015 | April 29, 2015  | April 30, 2015    | May 3, 2015    | 4           | A              |                |
| 84                     | IR -15-01-HAR-076-A | Rock Fill Layer From Sta.B0+860 to Sta.B0+940  | April 29, 2015 | April 29, 2015  | April 30, 2015    | April 29, 2015 | 0           | A              |                |
| 85                     | IR -15-01-HAR-077-A | Handing Over Second Imported Filling layer (Fourth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680                                      | April 29, 2015 | April 29, 2015  | April 30, 2015    | April 29, 2015 | 0           | A              |                |
| 86                     | IR -15-01-HAR-078-A | Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+120 to Sta.B0+180 RHS   | April 30, 2015 | April 30, 2015  | May 1, 2015       | April 30, 2015 | 0           | A              |                |
| 87                     | IR -15-01-HAR-079-A | Handing Over Third Imported Filling layer (Fifth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680  | May 2, 2015    | May 2, 2015     | May 3, 2015       | May 2, 2015    | 0           | A              |                |
| 88                     | IR -15-01-HAR-080-A | Handing Over First Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+860 to Sta.B0+930  | May 2, 2015    | May 2, 2015     | May 3, 2015       | May 3, 2015    | 1           | A              |                |



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| 89                     | IR -15-01-HAR-081-A            | Retaining Wall Preparation for Protective Coating From Sta.B0+180 to Sta.B0+230 RHS Road Side                             | May 2, 2015             | May 2, 2015             | May 3, 2015             | May 3, 2015                       | 1            | A                    |                |
| 90                     | IR -15-01-HAR-082-A            | Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+120 to Sta.B0+180 RHS                       | May 2, 2015             | May 2, 2015             | May 3, 2015             | May 3, 2015                       | 1            | A                    |                |
| 91                     | IR -15-01-HAR-083-A            | Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860              | May 3, 2015             | May 3, 2015             | May 4, 2015             | May 4, 2015                       | 1            | C                    |                |
| 92                     | IR -15-01-HAR-083-B            | Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860              | May 5, 2015             | May 5, 2015             | May 6, 2015             | May 6, 2015                       | 1            | C                    |                |
| 93                     | IR -15-01-HAR-083-C            | Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860              | May 7, 2015             | May 7, 2015             | May 8, 2015             | May 7, 2015                       | 0            | A                    |                |
| 94                     | IR -15-01-HAR-084-A            | Retaining Wall Backfill (Single Size Aggregate) at Segment B From Sta.B0+180 to Sta.B0+230                                | May 4, 2015             | May 4, 2015             | May 5, 2015             | May 4, 2015                       | 0            | A                    |                |
| 95                     | IR -15-01-HAR-085-A            | Rock Fill Layer (Benching) From Sta.B0+940 to Sta.B0+980 RHS as per IR -15-01-HAR-068-A attachment                        | May 4, 2015             | May 4, 2015             | May 5, 2015             | May 5, 2015                       | 1            | A                    |                |
| 96                     | IR -15-01-HAR-086-A            | Retaining Wall Preparation for Protective Coating From Sta.B0+180 to Sta.B0+230 RHS Nearby Side                           | May 4, 2015             | May 4, 2015             | May 5, 2015             | May 4, 2015                       | 0            | A                    |                |
| 97                     | IR -15-01-HAR-087-A            | Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+180 to Sta.B0+230 RHS                        | May 4, 2015             | May 4, 2015             | May 5, 2015             | May 4, 2015                       | 0            | A                    |                |
| 98                     | IR -15-01-HAR-088-A            | Handing Over Fourth Imported Filling layer (Sixth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680            | May 4, 2015             | May 5, 2015             | May 6, 2015             | May 5, 2015                       | 0            | A                    |                |
| 99                     | IR -15-01-HAR-089-A            | Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+180 to Sta.B0+230 RHS                       | May 4, 2015             | May 5, 2015             | May 6, 2015             | May 6, 2015                       | 1            | A                    |                |
| 100                    | IR -15-01-HAR-090-A            | Retaining Wall Preparation for Protective Coating From Sta.B0+043 to Sta.B0+067.5 RHS Road land Side & Nearby land Side   | May 6, 2015             | May 6, 2015             | May 7, 2015             | May 6, 2015                       | 0            | A                    |                |
| 101                    | IR -15-01-HAR-091-A            | Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920            | May 6, 2015             | May 6, 2015             | May 7, 2015             | May 7, 2015                       | 1            | C                    |                |
| 102                    | <del>IR -15-01-HAR-091-B</del> | <del>Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920</del> | <del>May 10, 2015</del> | <del>May 10, 2015</del> | <del>May 11, 2015</del> | <del>Retracted May 11, 2015</del> | <del>R</del> | <del>Retracted</del> |                |
| 103                    | IR -15-01-HAR-091-B            | Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920            | May 12, 2015            | May 12, 2015            | May 13, 2015            | May 13, 2015                      | 1            | A                    |                |
| 104                    | IR -15-01-HAR-092-A            | Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+680 to Sta.B0+715            | May 6, 2015             | May 6, 2015             | May 7, 2015             | May 7, 2015                       | 1            | C                    |                |
| 105                    | IR -15-01-HAR-092-B            | Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+680 to Sta.B0+715            | May 10, 2015            | May 10, 2015            | May 11, 2015            | May 11, 2015                      | 1            | A                    |                |



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| 106                    | IR -15-01-HAR-093-A | Precast Water Manhole Installation (Levels , Bedding , Backfilling) at Segment A at Sta.A0+180 Air Release Valve and at Sta.A0+180 Branch Gate Valve RHS                  | May 6, 2015    | May 6, 2015     | May 7, 2015       | May 7, 2015   | 1           | A              |                |
| 107                    | IR -15-01-HAR-094-A | Installation of 4" water pipeline ( including trench bottom level , bedding , welding , backfilling , warning tape) From Sta.A0+200 to Sta.A0+215 RHS and 30 m Branch RHS | May 9, 2015    | May 9, 2015     | May 10, 2015      | May 10, 2015  | 1           | A              |                |
| 108                    | IR -15-01-HAR-095-A | Handing Over First Protective Coating of Retaining Wall Road & Nearby Side From Sta.0+043 to Sta.B0+067.5 RHS   | May 10, 2015   | May 10, 2015    | May 11, 2015      | May 10, 2015  | 0           | A              |                |
| 109                    | IR -15-01-HAR-096-A | Installation of 4" Road Crossing at Sta.A0+200  | May 10, 2015   | May 10, 2015    | May 11, 2015      | May 10, 2015  | 0           | A              |                |
| 110                    | IR -15-01-HAR-097-A | Handing Over Fifth Imported Filling layer (Seventh Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680   | May 10, 2015   | May 10, 2015    | May 11, 2015      | May 11, 2015  | 1           | A              |                |
| 111                    | IR -15-01-HAR-098-A | Handing Over Second Protective Coating Layer Retaining Wall Road & Nearby Side at Segment B From Sta.B0+043 to Sta.B0+067.5 RHS   | May 10, 2015   | May 11, 2015    | May 11, 2015      | May 11, 2015  | 0           | A              |                |
| 112                    | IR -15-01-HAR-099-A | Installation of 4" Road Crossing at Sta.A0+000  | May 10, 2015   | May 10, 2015    | May 11, 2015      | May 11, 2015  | 1           | A              |                |
| 113                    | IR -15-01-HAR-100-A | Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+230 to Sta.B0+290 RHS  | May 12, 2015   | May 12, 2015    | May 13, 2015      | May 12, 2015  | 0           | A              |                |
| 114                    | IR -15-01-HAR-101-A | Handing Over 4" water pipeline installation at Sta.A0+000 ( Main Connection Toward existing Manhole)  | May 12, 2015   | May 12, 2015    | May 13, 2015      | May 12, 2015  | 0           | A              |                |
| 115                    | IR -15-01-HAR-102-A | Handing Over Rockfill Layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS   | May 12, 2015   | May 12, 2015    | May 13, 2015      | May 13, 2015  | 1           | A              |                |
| 116                    | IR -15-01-HAR-103-A | Handing Over Third Imported Filling layer Benching (Fourth Embankment Layer) at Segment B From Sta.B0+230 to Sta.B0+290   | May 13, 2015   | May 13, 2015    | May 14, 2015      | May 14, 2015  | 1           | A              |                |
| 117                    | IR -15-01-HAR-104-A | Handing Over Sixth Imported Filling layer Benching (Eight Embankment Layer) at Segment B From Sta.B0+540 to Sta.B0+670  | May 13, 2015   | May 13, 2015    | May 14, 2015      | May 14, 2015  | 1           | A              |                |
| 118                    | IR -15-01-HAR-105-A | Precast Water Manhole Installation (Levels , Bedding , Backfilling) at Segment A at Sta.A0+040 Washout  | May 14, 2015   | May 14, 2015    | May 15, 2015      | May 14, 2015  | 0           | A              |                |
| 119                    | IR -15-01-HAR-106-A | Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+130  | May 16, 2015   | May 16, 2015    | May 17, 2015      | May 17, 2015  | 1           | A              |                |
| 120                    | IR -15-01-HAR-107-A | Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS   | May 16, 2015   | May 16, 2015    | May 17, 2015      | May 17, 2015  | 1           | A              |                |
| 121                    | IR -15-01-HAR-108-A | Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS   | May 16, 2015   | May 16, 2015    | May 17, 2015      | May 17, 2015  | 1           | C              |                |
| 122                    | IR -15-01-HAR-108-B | Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS   | May 17, 2015   | May 17, 2015    | May 18, 2015      | May 18, 2015  | 1           | A              |                |



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| No.                    | IR No.              | Description  | Submitted Date | Inspection Date | Contract Due Date | Response Date | Review Days | 1st Inspection | 2nd Inspection |
| 123                    | IR -15-01-HAR-109-A | Installation of 2" Water Pipeline at Segment B From Sta.B0+860 to Sta.B0+920   | May 17, 2015   | May 17, 2015    | May 18, 2015      | May 17, 2015  | 0           | A              |                |
| 124                    | IR -15-01-HAR-110-A | Handing Over Sub-grade layer Imported material at Segment B From Sta.B0+240 to Sta.B0+450  | May 18, 2015   | May 18, 2015    | May 19, 2015      | May 19, 2015  | 1           | D              |                |
| 125                    | IR -15-01-HAR-110-B | Handing Over Sub-grade layer Imported material at Segment B From Sta.B0+240 to Sta.B0+450  | May 20, 2015   | May 20, 2015    | May 21, 2015      | May 20, 2015  | 0           | A              |                |
| 126                    | IR -15-01-HAR-111-A | Handing Over Fourth Imported Filling layer at Segment B From Sta.B0+680 to Sta.B0+710  | May 19, 2015   | May 19, 2015    | May 20, 2015      | May 19, 2015  | 0           | D              | A              |
| 127                    | IR -15-01-HAR-112-A | Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860   | May 19, 2015   | May 19, 2015    | May 20, 2015      | May 19, 2015  | 0           | D              | A              |
| 128                    | IR -15-01-HAR-113-A | Handing Over Backfilling Single Sized Aggregate Behind RW to Level -67 From PGL at Segment B From Sta.B0+040 to Sta.B0+230 RHS                               | May 19, 2015   | May 19, 2015    | May 20, 2015      | May 19, 2015  | 0           | A              |                |
| 129                    | IR -15-01-HAR-114-A | Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS   | May 21, 2015   | May 23, 2015    | May 24, 2015      | May 23, 2015  | 0           | A              |                |
| 130                    | IR -15-01-HAR-115-A | Handing Over of 2" Water Pipeline at Segment B From Sta.B0+420 to Sta.B0+520 LHS   | May 24, 2015   | May 24, 2015    | May 25, 2015      | May 25, 2015  | 1           | A              |                |
| 131                    | IR -15-01-HAR-116-A | Handing Over First Imported Filling layer Over Single Sized Aggregate of RW Backfilling at Segment B From Sta.B0+050 to Sta.B0+230 RHS & Level -47 cm of PGL | May 24, 2015   | May 24, 2015    | May 25, 2015      | May 25, 2015  | 1           | A              |                |
| 132                    | IR -15-01-HAR-117-A | Handing Over Third Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS.   | May 24, 2015   | May 24, 2015    | May 25, 2015      | May 25, 2015  | 1           | A              |                |
| 133                    | IR -15-01-HAR-118-A | Handing Over Fifth Imported Filling layer at Segment B From Sta.B0+680 to Sta.B0+710   | May 24, 2015   | May 24, 2015    | May 25, 2015      | May 25, 2015  | 1           | A              |                |
| 134                    | IR -15-01-HAR-119-A | Handing Over Third Imported Filling layer ( Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS   | May 24, 2015   | May 24, 2015    | May 25, 2015      | May 25, 2015  | 1           | A              |                |
| 135                    | IR -15-01-HAR-120-A | Installation of Geotextile at Segment B From Sta.B0+240 to Sta.B0+680  | May 25, 2015   | May 25, 2015    | May 26, 2015      | May 25, 2015  | 0           | A              |                |
| 136                    | IR -15-01-HAR-121-A | Handing Over Fourth Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS.  | May 26, 2015   | May 26, 2015    | May 27, 2015      | May 26, 2015  | 0           | A              |                |
| 137                    | IR -15-01-HAR-122-A | Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+240 to Sta.B0+400 including levels,compaction & cut side slope                    | May 27, 2015   | May 27, 2015    | May 28, 2015      | May 28, 2015  | 1           | A              |                |
| 138                    | IR -15-01-HAR-123-A | Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+430 to Sta.B0+660 including levels,compaction & cut side slope                    | May 27, 2015   | May 27, 2015    | May 28, 2015      | May 28, 2015  | 1           | A              |                |
| 139                    | IR -15-01-HAR-124-A | Handing Over 5th imported filling layer at Segment B From Sta.B0+940 to Sta.B0+980 (Benching) RHS including levels & compaction                              | May 28, 2015   | May 28, 2015    | May 29, 2015      | May 28, 2015  | 0           | C              |                |



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| 140                    | IR -15-01-HAR-124-B | Handing Over 5th imported filling layer at Segment B From Sta.B0+940 to Sta.B0+980 (Benching) RHS including levels & compaction                             | May 30, 2015   | May 30, 2015    | May 31, 2015      | May 30, 2015  | 0           | A              |                |
| 141                    | IR -15-01-HAR-125-A | Handing Over installation of 2" water pipe line at Segment B From Sta.B0+520 to Sta.B0+860 LHS including levels , backfilling , warning tape & filterfabric | May 28, 2015   | May 28, 2015    | May 29, 2015      | May 28, 2015  | 0           | A              |                |
| 142                    | IR -15-01-HAR-126-A | Handing Over excavation for precast water manhole washout at Sta.A0+930 and gate valve at Sta.A0+470 including levels and dimension                         | May 31, 2015   | May 31, 2015    | June 1, 2015      | May 31, 2015  | 0           | C              |                |
| 143                    | IR -15-01-HAR-126-B | Handing Over excavation for precast water manhole washout at Sta.A0+930 and gate valve at Sta.A0+470 including levels and dimension                         | June 1, 2015   | June 1, 2015    | June 2, 2015      | June 1, 2015  | 0           | A              |                |
| 144                    | IR -15-01-HAR-127-A | Handing Over 6th imported filling layer at Segment B From Sta.B0+970 to Sta.B0+980 (Benching) RHS including levels & compaction                             | June 1, 2015   | June 1, 2015    | June 2, 2015      | June 2, 2015  | 1           | A              |                |
| 145                    | IR -15-01-HAR-128-A | Handing Over Filter Fabric Sheet For 4" Water Pipeline Trench at Segment A From Sta.A0+230 to Sta.A0+330  | June 1, 2015   | June 1, 2015    | June 2, 2015      | June 2, 2015  | 1           | A              |                |
| 146                    | IR -15-01-HAR-129-A | Handing Over 7th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+980 (Benching) RHS   | June 2, 2015   | June 2, 2015    | June 3, 2015      | June 3, 2015  | 1           | C              |                |
| 147                    | IR -15-01-HAR-129-B | Handing Over 7th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+980 (Benching) RHS   | June 3, 2015   | June 3, 2015    | June 4, 2015      | June 3, 2015  | 0           | A              |                |
| 148                    | IR -15-01-HAR-130-A | Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+070 to Sta.B0+240  | June 2, 2015   | June 2, 2015    | June 3, 2015      | June 3, 2015  | 1           | C              |                |
| 149                    | IR -15-01-HAR-130-B | Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+070 to Sta.B0+240  | June 3, 2015   | June 3, 2015    | June 4, 2015      | June 4, 2015  | 1           | A              |                |
| 150                    | IR -15-01-HAR-131-A | Installation of water manholes and connection of gate valve at Segment A at Sta.A0+470 and washout at Sta.A0+930 including external coating                 | June 2, 2015   | June 2, 2015    | June 3, 2015      | June 3, 2015  | 1           | A              |                |
| 151                    | IR -15-01-HAR-132-A | Handing Over 8th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+981.69 (Benching) RHS  | June 4, 2015   | June 4, 2015    | June 5, 2015      | June 4, 2015  | 0           | A              |                |
| 152                    | IR -15-01-HAR-133-A | Handing Over 9th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS..                                | June 7, 2015   | June 7, 2015    | June 8, 2015      | June 7, 2015  | 0           | A              |                |
| 153                    | IR -15-01-HAR-134-A | Handing Over 1st protective coating of WWTP connection at Segment B @ Sta.B0+953 & Qelqes connection at Segment B @ Sta.B0+995 LHS.                         | June 7, 2015   | June 7, 2015    | June 8, 2015      | June 7, 2015  | 0           | A              |                |
| 154                    | IR -15-01-HAR-135-A | Handing Over Second protective coating of WWTP connection at Segment B @ Sta.B0+953 & Qelqes connection at Segment B @ Sta.B0+995 LHS.                      | June 8, 2015   | June 8, 2015    | June 9, 2015      | June 8, 2015  | 0           | A              |                |
| 155                    | IR -15-01-HAR-136-A | Handing Over 10th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS..                               | June 8, 2015   | June 8, 2015    | June 9, 2015      | June 9, 2015  | 1           | A              |                |
| 156                    | IR -15-01-HAR-137-A | Handing Over Sub-grade layer of Imported material at Segment B From Sta.B0+660 to Sta.B0+900 including alignment, levels, compaction & cut side slope.      | June 9, 2015   | June 9, 2015    | June 10, 2015     | June 10, 2015 | 1           | A              |                |



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| 157                    | IR -15-01-HAR-138-A | Handing Over 11th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS. | June 10, 2015      | June 10, 2015      | June 11, 2015     | June 11, 2015      | 1           | A              |                |
| 158                    | IR -15-01-HAR-139-A | Handing Over 12th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS. | June 11, 2015      | June 13, 2015      | June 14, 2015     | June 14, 2015      | 1           | A              |                |
| 159                    | IR -15-01-HAR-140-A | Handing Over 13th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS. | June 14, 2015      | June 14, 2015      | June 15, 2015     | June 14, 2015      | 0           | A              |                |
|                        | IR -15-01-HAR-141-A | Handing Over Pipe Culvert Installation including ( Trench, Levels, Bedding) at Segment B at Sta.B0+425                       | June 14, 2015      | June 14, 2015      | June 15, 2015     | June 14, 2015      | 0           | C              |                |
| 159                    | IR -15-01-HAR-141-B | Handing Over Pipe Culvert Installation including ( Trench, Levels, Bedding) at Segment B at Sta.B0+425                       | June 15, 2015      | June 15, 2015      | June 16, 2015     | June 16, 2015      | 1           | A              |                |
| 160                    | IR -15-01-HAR-142-A | Correction of Monthly Environmental Check List of April 2015   | June 14, 2015      | June 14, 2015      | June 15, 2015     | June 14, 2015      | 0           | A              |                |
|                        | IR -15-01-HAR-143-A | Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.                       | June 15, 2015      | June 15, 2015      | June 16, 2015     | June 16, 2015      | 1           | C              |                |
|                        | IR -15-01-HAR-143-B | Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.                       | June 17, 2015      | June 17, 2015      | June 18, 2015     | June 17, 2015      | 0           | C              |                |
| 163                    | IR -15-01-HAR-143-C | Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.                       | June 18, 2015      | June 20, 2015      | June 21, 2015     | June 20, 2015      | 0           | A              |                |
| 162                    | IR -15-01-HAR-144-A | Correction of Monthly Environmental Check List of May 2015   | June 15, 2015      | June 16, 2015      | June 17, 2015     | June 17, 2015      | 1           | A              |                |
| 163                    | IR -15-01-HAR-145-A | Retaining Wall Blinding Concrete at Segment A From Sta.A0+206 to Sta.A0+257 RHS  | June 15, 2015      | June 15, 2015      | June 16, 2015     | June 16, 2015      | 1           | A              |                |
| 164                    | IR -15-01-HAR-146-A | Handing Over Sub-grade layer at Segment A From Sta.A0+200 to Sta.A1+056 including alignment & compaction .                   | June 17, 2015      | June 17, 2015      | June 18, 2015     | June 21, 2015      | 4           | C              |                |
| 164                    | IR -15-01-HAR-146-B | Handing Over Sub-grade layer at Segment A From Sta.A0+200 to Sta.A1+056 including alignment & compaction .                   | June 22, 2015      | June 22, 2015      | June 23, 2015     | June 22, 2015      | 0           | A              |                |
| 165                    | IR -15-01-HAR-147-A | Retaining Wall Foundation( Levels , Reinforcement ) at Segment A From Sta.A0+206 to Sta.A0+257 RHS                           | June 21, 2015      | June 21, 2015      | June 22, 2015     | June 22, 2015      | 1           | A              |                |
| 166                    | IR -15-01-HAR-148-A | Handing Over Base Course Layer at Segment B From Sta.B0+080 to Sta.B0+380 Including Alignment , Levels and Compaction        | June 21, 2015      | June 21, 2015      | June 22, 2015     | June 21, 2015      | 0           | C              |                |
| 167                    | IR -15-01-HAR-148-B | Handing Over Base Course Layer at Segment B From Sta.B0+080 to Sta.B0+380 Including Alignment , Levels and Compaction        | September 17, 2015 | September 17, 2015 | June 23, 2015     | September 17, 2015 | 0           | A              |                |
| 167                    | IR -15-01-HAR-149-A | Handing Over 15th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS. | June 22, 2015      | June 22, 2015      | June 23, 2015     | June 22, 2015      | 0           | A              |                |



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| No.                    | IR No.              | Description   | Submitted Date | Inspection Date | Contract Due Date | Response Date | Review Days | 1st Inspection | 2nd Inspection |
| 168                    | IR -15-01-HAR-150-A | Handing Over Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+214 RHS                   | June 22, 2015  | June 22, 2015   | June 23, 2015     | June 23, 2015 | 1           | A              |                |
| 169                    | IR -15-01-HAR-151-A | Handing Over Sub-grade layer at Segment A From Sta.A0+670 to Sta.A1+056 including alignment & compaction .          | June 22, 2015  | June 22, 2015   | June 23, 2015     | June 23, 2015 | 1           | A              |                |
| 170                    | IR -15-01-HAR-152-A | Handing Over Sub-grade layer at Segment A From Sta.A0+260 to Sta.A0+670 including alignment & compaction .          | June 23, 2015  | June 23, 2015   | June 24, 2015     | June 24, 2015 | 1           | A              |                |
| 171                    | IR -15-01-HAR-153-A | Handing Over 16th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 RHS.   | June 23, 2015  | June 23, 2015   | June 24, 2015     | June 24, 2015 | 1           | A              |                |
| 172                    | IR -15-01-HAR-154-A | HandingOvercompacted ground level of Box Culvert at station (B0+008-B0+046)in order to start Base coarse layer.     | June 24, 2015  | June 24, 2015   | June 25, 2015     | June 24, 2015 | 0           | A              |                |
| 173                    | IR -15-01-HAR-155-A | Handing Over Retaining Wall Formwork From Sta.A0+206 to Sta.A0+214 RHS .  | June 24, 2015  | June 24, 2015   | June 25, 2015     | June 24, 2015 | 0           | A              |                |
| 174                    | IR -15-01-HAR-156-A | Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+214 to Sta.A0+222 RHS                                | June 25, 2015  | June 25, 2015   | June 26, 2015     | June 25, 2015 | 0           | A              |                |
| 175                    | IR -15-01-HAR-157-A | Retaining Wall Formwork at Segment A From Sta.A0+214 to Sta.A0+222 RHS  | June 25, 2015  | June 25, 2015   | June 26, 2015     | June 25, 2015 | 0           | A              |                |
| 176                    | IR -15-01-HAR-158-A | Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+222 to Sta.A0+233RHS                                 | June 27, 2015  | June 27, 2015   | June 28, 2015     | June 27, 2015 | 0           | A              |                |
| 177                    | IR -15-01-HAR-159-A | Handing Over 17th Imported filling layer at Segment B From Sta.B0+920 to Sta.B0+981                                 | June 27, 2015  | June 27, 2015   | June 28, 2015     | June 27, 2015 | 0           | A              |                |
| 178                    | IR -15-01-HAR-160-A | Handing Over Steel Reinforcement of inlet and outlet structure of pipe culvert at Sta(B0+425)                       | June 27, 2015  | June 27, 2015   | June 28, 2015     | June 28, 2015 | 1           | A              |                |
| 179                    | IR -15-01-HAR-161-A | Handing Over 1st base coarse layer under box culvert at St (B0+020-B0+046)at levels(767.02)inlet and(766.86) outlet | June 27, 2015  | June 27, 2015   | June 28, 2015     | June 27, 2015 | 0           | A              |                |
| 180                    | IR -15-01-HAR-162-A | Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+222 to Sta.A0+233RHS                | June 28, 2015  | June 28, 2015   | June 29, 2015     | June 28, 2015 | 0           | A              |                |
| 181                    | IR -15-01-HAR-163-A | Handing Over 18th Imported filling layer at Segment B From Sta.B0+920 to Sta.B0+981.                                | June 29, 2015  | June 29, 2015   | June 30, 2015     | June 29, 2015 | 0           | A              |                |
| 182                    | IR -15-01-HAR-164-A | Handing Over 2st base coarse layer under box culvert at St (B0+020-B0+046)at levels(767.02)inlet and(766.86) outlet | June 29, 2015  | June 29, 2015   | June 30, 2015     | June 29, 2015 | 0           | A              |                |
| 183                    | IR -15-01-HAR-165-A | Handing Over wall reinforcement and form work of outlet structure of pipe culvert at sta.B0+425.                    | June 30, 2015  | June 30, 2015   | 6/31/2015         | July 1, 2015  | 1           | A              |                |
| 184                    | IR -15-01-HAR-166-A | Handing Over 3st base coarse layer beneath box culvert at Segment B (bottom of blinding level)                      | June 30, 2015  | June 30, 2015   | 6/31/2015         | July 1, 2015  | 1           | A              |                |



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| No.                    | IR No.              | Description   | Submitted Date | Inspection Date | Contract Due Date | Response Date | Review Days | 1st Inspection | 2nd Inspection |
| 185                    | IR -15-01-HAR-167-A | Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+233 to Sta.A0+245RHS   | July 2, 2015   | July 2, 2015    | July 4, 2015      | July 2, 2015  | 0           | A              |                |
| 186                    | IR -15-01-HAR-168-A | Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+233 to Sta.A0+245RHS                        | July 2, 2015   | July 2, 2015    | July 4, 2015      | July 2, 2015  | 0           | A              |                |
| 187                    | IR -15-01-HAR-169-A | Retaining Wall Preparation for Protective Coating From Sta.A0+206to Sta.A0+230 RHS (Footing).                               | July 2, 2015   | July 2, 2015    | July 4, 2015      | July 2, 2015  | 0           | A              |                |
| 188                    | IR -15-01-HAR-170-A | Handing Over pipe culvert steel reinforcement and form work inlet structure.  | July 2, 2015   | July 4, 2015    | July 4, 2015      | July 5, 2015  | 1           | C              |                |
| 189                    | IR -15-01-HAR-170-B | Handing Over pipe culvert steel reinforcement and form work inlet structure at sta.B0+425.                                  | July 7, 2015   | July 7, 2015    | July 8, 2015      | July 7, 2015  | 0           | A              |                |
| 190                    | IR -15-01-HAR-171-A | Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+245 to Sta.A0+257RHS.  | July 2, 2015   | July 4, 2015    | July 4, 2015      | July 5, 2015  | 1           | A              |                |
| 191                    | IR -15-01-HAR-172-A | Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+245 to Sta.A0+257RHS                        | July 2, 2015   | July 4, 2015    | July 4, 2015      | July 5, 2015  | 1           | A              |                |
| 192                    | IR -15-01-HAR-173-A | Preparation of Protective Coating of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).                          | July 5, 2015   | July 5, 2015    | July 6, 2015      | July 5, 2015  | 0           | A              |                |
| 193                    | IR -15-01-HAR-174-A | Handing Over pipe culvert at sta.B0+920 including excavation , bedding ,pipe installation ,back filling ,etc                | July 5, 2015   | July 5, 2015    | July 6, 2015      | July 5, 2015  | 0           | A              |                |
| 194                    | IR -15-01-HAR-175-A | Handing Over steel Reinforcement for WWTP and Qelqes connection (footing) at sta.A0+953 and A0+995 LHS.                     | July 5, 2015   | July 5, 2015    | July 6, 2015      | July 5, 2015  | 0           | A              |                |
| 195                    | IR -15-01-HAR-176-A | Handing Over steel Reinforcement for main connection (footing) at sta.A0+000 LHS.   | July 6, 2015   | July 6, 2015    | July 7, 2015      | July 6, 2015  | 0           | A              |                |
| 196                    | IR -15-01-HAR-177-A | Handing over 20cm at the top of 4" water pipe line trench at segment A from Sta.A0+000 to A0+200 RHS.                       | July 6, 2015   | July 6, 2015    | July 7, 2015      | July 6, 2015  | 0           | A              |                |
| 197                    | IR -15-01-HAR-178-A | Handing over 30cm top of crossing PVC sewer pipe trench executed by municipality at sta. A0+420, A0+500, A0+670 and A0+900. | July 6, 2015   | July 6, 2015    | July 7, 2015      | July 6, 2015  | 0           | A              |                |
| 198                    | IR -15-01-HAR-179-A | Handing over 2" Galvanized water pipe at segment B from Sta. B0+860 to Sta. B0+981.69LHS.                                   | July 7, 2015   | July 7, 2015    | July 8, 2015      | July 7, 2015  | 0           | A              |                |
| 199                    | IR -15-01-HAR-180-A | Handing Over steel Reinforcement and formwork for WWTP and Qelqes connection (walls) at sta.A0+953 and A0+995 LHS.          | July 7, 2015   | July 7, 2015    | July 8, 2015      | July 7, 2015  | 0           | A              |                |
| 200                    | IR -15-01-HAR-181-A | Handing over 1st Protective Coating layer of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).                  | July 7, 2015   | July 7, 2015    | July 8, 2015      | July 7, 2015  | 0           | A              |                |
| 201                    | IR -15-01-HAR-182-A | Handing over 1st Protective Coating layer of Retaining Wall footing From Sta.A0+206to Sta.A0+230 RHS (both sides).          | July 7, 2015   | July 7, 2015    | July 8, 2015      | July 7, 2015  | 0           | A              |                |

Legend: A: No Exceptions Noted, C:Amend-Resubmit, P:Pending



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| 202                    | IR -15-01-HAR-183-A | Handing Over base course layer at Segment A From Sta.A0+260 to Sta.A1+056 .   | July 7, 2015       | July 8, 2015       | July 8, 2015       | July 8, 2015       | 0           | C              |                |
| 203                    | IR -15-01-HAR-183-B | Handing Over base course layer at Segment A From Sta.A0+260 to Sta.A1+056 .   | July 9, 2015       | July 9, 2015       | July 10, 2015      | July 10, 2015      | 1           | A              |                |
| 203                    | IR -15-01-HAR-184-A | Handing over 2nd Protective Coating layer of Retaining Wall footing From Sta.A0+206to Sta.A0+230 RHS (both sides).                  | July 8, 2015       | July 8, 2015       | July 9, 2015       | July 8, 2015       | 0           | A              |                |
| 204                    | IR -15-01-HAR-185-A | Protective Coating layer of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).   | July 8, 2015       | July 8, 2015       | July 9, 2015       | July 8, 2015       | 0           | A              |                |
| 205                    | IR -15-01-HAR-186-A | Retaining Wall Preparation for Protective Coating From Sta.A0+230to Sta.A0+257 RHS(both sides).                                     | July 8, 2015       | July 8, 2015       | July 9, 2015       | July 8, 2015       | 0           | A              |                |
| 206                    | IR -15-01-HAR-187-A | Handing over 1st Protective Coating layer of Retaining Wall From Sta.A0+230to Sta.A0+257 RHS.                                       | July 9, 2015       | July 9, 2015       | July 11, 2015      | July 9, 2015       | 0           | A              |                |
| 207                    | IR -15-01-HAR-188-A | Handing Over steel Reinforcement and formwork for WWTP and Qelqes connection (slab) at sta.A0+953 and A0+995 LHS.                   | July 9, 2015       | July 9, 2015       | July 11, 2015      | July 9, 2015       | 0           | A              |                |
| 208                    | IR -15-01-HAR-189-A | Handing over base course surface by (straight edge) and MC coating over base course layer from Sta.A0+260to Sta. A1+056.            | July 9, 2015       | July 11, 2015      | July 11, 2015      | July 11, 2015      | 0           | A              |                |
| 209                    | IR -15-01-HAR-190-A | Handing over 2nd Protective Coating layer of Retaining Wall From Sta.A0+230to Sta.A0+257 RHS.                                       | July 11, 2015      | July 11, 2015      | July 12, 2015      | July 11, 2015      | 0           | A              |                |
| 210                    | IR -15-01-HAR-191-A | Handing over 1st imported filling layer 20cm thick(benching) of Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS.                   | July 11, 2015      | July 11, 2015      | July 12, 2015      | July 11, 2015      | 0           | A              |                |
| 211                    | IR -15-01-HAR-192-A | Handing Over steel Reinforcement for main connection (walls) at sta.A0+000 LHS.   | July 11, 2015      | July 11, 2015      | July 12, 2015      | July 11, 2015      | 0           | A              |                |
| 212                    | IR -15-01-HAR-193-A | Handing Over sub grade layer at Segment B From Sta.B0+930 to Sta.B0+981 .   | July 13, 2015      | July 13, 2015      | July 14, 2015      | July 14, 2015      | 1           | A              |                |
| 213                    | IR -15-01-HAR-194-A | Handing over 1st Protective Coating layer of pipe culvert wall at segment B at Sta.B0+425.  | July 13, 2015      | July 13, 2015      | July 14, 2015      | July 14, 2015      | 1           | A              |                |
| 214                    | IR -15-01-HAR-195-A | Handing over steel reinforcement of box culvert footing and dowels at segment B from Sta. B0+012 to Sta. 0+032.                     | July 14, 2015      | July 14, 2015      | July 15, 2015      | July 15, 2015      | 1           | A              |                |
| 215                    | IR -15-01-HAR-196-A | Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers )(12-water cover. | July 21, 2015      | July 21, 2015      | July 22, 2015      | July 23, 2015      | 2           | C              |                |
| 216                    | IR -15-01-HAR-196-B | Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers )(12-water cover. | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 14, 2015 | 0           | C              |                |
| 217                    | IR -15-01-HAR-196-C | Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers )(12-water cover. | September 30, 2015 | September 30, 2015 | October 1, 2015    | September 30, 2015 | 0           | C              |                |



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| 216                    | IR -15-01-HAR-197-A | Gravel Trap)-(One Piece) 2)Pressure Reducing Control Valve 2" (One Peece). 3)Flow Control Valve 2" (One Piece). 4)Pressure Relief Valve (Quik Type).(One Piece ) 5)Strainer 4".(Two Pieces) . 6) Flow Control Valve 4".(One Piece) | July 21, 2015  | July 21, 2015   | July 22, 2015     | July 22, 2015          | 1           | A              |                |
| 217                    | IR -15-01-HAR-198-A | Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+032 to Sta.B0+042 RHS and LHS.  | July 22, 2015  | July 22, 2015   | July 23, 2015     | July 23, 2015          | 0           | A              |                |
| 218                    | IR -15-01-HAR-199-A | Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+008to Sta.B0+012 RHS and LHS.   | July 23, 2015  | July 23, 2015   | July 24, 2015     | July 23, 2015          | 0           | C              |                |
| 219                    | IR -15-01-HAR-199-B | Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+008to Sta.B0+012 RHS and LHS.   | July 25, 2015  | July 25, 2015   | July 26, 2015     | July 26, 2015          | 1           | A              |                |
| 219                    | IR -15-01-HAR-200-A | Handing Over pipe culvert base steel reinforcement of inlet structure at sta.B0+920.   | July 23, 2015  | July 23, 2015   | July 25, 2015     | July 23, 2015          | 0           | A              |                |
| 220                    | IR -15-01-HAR-201-A | Handing Over subgrade layer at Segment A From Sta.A0+200 to Sta.A0+260(including levels and compaction) .  | July 23, 2015  | July 25, 2015   | July 25, 2015     | July 26, 2015          | 1           | A              |                |
| 221                    | IR -15-01-HAR-202-A | Handing over Hydrostatic Testing (test pressure of 24 bar) of 2"water pipe line (PN16)at segment B from Sta. B0+070 to Sta.B0+982.   | July 26, 2015  | July 26, 2015   | July 27, 2015     | July 26, 2015          | 0           | A              |                |
| 222                    | IR -15-01-HAR-203-A | Handing Over steel Reinforcement of main connection (slab) at sta.A0+000 LHS.  | July 27, 2015  | July 27, 2015   | July 28, 2015     | July 28, 2015          | 1           | A              |                |
| 223                    | IR -15-01-HAR-204-A | Handing Over steel Reinforcement and formwork of chamfer (neck) of Box culvert at segment B from sta.B0+012 to Sta.B0+032 .  | July 28, 2015  | July 28, 2015   | July 29, 2015     | July 29, 2015          | 1           | A              |                |
| 224                    | IR -15-01-HAR-205-A | Handing over base course layer at Segment A from Sta.A0+200to Sta. A0+260.   | July 29, 2015  | July 30, 2015   | July 30, 2015     | Retracted July 30,2015 | R           | Retracted      |                |
| 225                    | IR -15-01-HAR-206-A | Handing Over pipe culvert steel reinforcement of outlet footing structure at sta.B0+920.   | July 29, 2015  | July 30, 2015   | July 30, 2015     | July 30, 2015          | 0           | D              |                |
| 226                    | IR -15-01-HAR-206-B | Handing Over pipe culvert steel reinforcement of outlet footing structure at sta.B0+920.   | August 3, 2015 | August 3, 2015  | August 4, 2015    | August 4, 2015         | 1           | A              |                |
| 227                    | IR -15-01-HAR-207-A | Handing Over steel Reinforcement and formwork of Box culvert walls at segment B from sta.B0+020 to Sta.B0+032 .  | July 30, 2015  | July 30, 2015   | July 31, 2015     | July 30, 2015          | 0           | A              |                |
| 228                    | IR -15-01-HAR-208-A | Protective Coating layer Preparation for pipe culvert inlet walls at sta.B0+920.   | July 30, 2015  | July 30, 2015   | August 1, 2015    | July 30, 2015          | 0           | A              |                |
| 229                    | IR -15-01-HAR-209-A | Handing Over steel Reinforcement and formwork of Box culvert walls at segment B from sta.B0+012 to Sta.B0+020 .  | July 30, 2015  | August 1, 2015  | August 1, 2015    | August 2, 2015         | 1           | A              |                |
| 230                    | IR -15-01-HAR-210-A | Handing Over 1st Protective Coating layer for pipe culvert inlet walls at sta.B0+920.  | August 1, 2015 | August 1, 2015  | August 2, 2015    | August 2, 2015         | 1           | A              |                |
| 231                    | IR -15-01-HAR-211-A | Handing Over 2nd Protective Coating layer for pipe culvert inlet walls at sta.B0+920.  | August 1, 2015 | August 1, 2015  | August 2, 2015    | August 2, 2015         | 1           | A              |                |



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| 232                    | IR -15-01-HAR-212-A | Handing over Steel Reinforcement of Retaining Wall at Segment B From Sta.B0+040 to Sta.B0+50 LHS.                                    | August 3, 2015  | August 3, 2015  | August 4, 2015    | August 3, 2015  | 0           | A              |                |
| 233                    | IR -15-01-HAR-213-A | 1st Protective Coating layer of main connection at sta.A0+000 LHS.   | August 4, 2015  | August 4, 2015  | August 5, 2015    | August 4, 2015  | 0           | A              |                |
| 234                    | IR -15-01-HAR-214-A | Handing Over Base Course Layer at Segment B From Sta.B0+230 to Sta.B0+981 Including Alignment , Levels and Compaction.               | August 4, 2015  | August 4, 2015  | August 5, 2015    | August 5, 2015  | 1           | C              |                |
| 235                    | IR -15-01-HAR-214-B | Handing Over Base Course Layer at Segment B From Sta.B0+230 to Sta.B0+981 Including Alignment , Levels and Compaction.               | August 5, 2015  | August 5, 2015  | August 6, 2015    | August 6, 2015  | 1           | A              |                |
| 236                    | IR -15-01-HAR-215-A | Handing over formwork of Retaining Wall at Segment B From Sta.B0+040 to Sta.B0+50 LHS.   | August 4, 2015  | August 4, 2015  | August 5, 2015    | August 5, 2015  | 1           | A              |                |
| 237                    | IR -15-01-HAR-216-A | 2nd Protective Coating layer of main connection at sta.A0+000 LHS.   | August 5, 2015  | August 5, 2015  | August 6, 2015    | August 5, 2015  | 0           | A              |                |
| 238                    | IR -15-01-HAR-217-A | Handing Over Steel Reinforcement of Manholes bases of MH(01) at S0+16.25 and MH(02) at S0+40.90.                                     | August 5, 2015  | August 5, 2015  | August 6, 2015    | August 6, 2015  | 1           | A              |                |
| 239                    | IR -15-01-HAR-218-A | Handing Over Manholes bases levels for MH(03), MH(04), and MH(05) to cast blinding concrete .  | August 5, 2015  | August 5, 2015  | August 6, 2015    | August 6, 2015  | 1           | A              |                |
| 240                    | IR -15-01-HAR-219-A | Handing over spraying MC coating over base course layer at segment B from Sta.B0+230 to Sta. B0+900 and access at Sta. B0+435 LHS.   | August 6, 2015  | August 8, 2015  | August 8, 2015    | August 8, 2015  | 0           | A              |                |
| 241                    | IR -15-01-HAR-220-A | Handing over steel reinforcement of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+040 LHS.                                   | August 6, 2015  | August 8, 2015  | August 8, 2015    | August 8, 2015  | 0           | A              |                |
| 242                    | IR -15-01-HAR-221-A | Handing over formwork of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+040 LHS.  | August 9, 2015  | August 9, 2015  | August 10, 2015   | August 9, 2015  | 0           | A              |                |
| 243                    | IR -15-01-HAR-222-A | Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A1+056 to Sta.A0+660 LHS. | August 11, 2015 | August 11, 2015 | August 12, 2015   | August 12, 2015 | 1           | A              |                |
| 244                    | IR -15-01-HAR-223-A | Handing over steel reinforcement base of sewer manhole MH(03),MH(04),and MH(05).   | August 11, 2015 | August 11, 2015 | August 12, 2015   | August 12, 2015 | 1           | A              |                |
| 245                    | IR -15-01-HAR-224-A | Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A0+660 to Sta.A0+370 LHS. | August 12, 2015 | August 12, 2015 | August 13, 2015   | August 12, 2015 | 0           | A              |                |
| 246                    | IR -15-01-HAR-225-A | Handing Over Steel Reinforcement and levels of Manhole MH(01) walls at S0+16.25.   | August 12, 2015 | August 12, 2015 | August 13, 2015   | August 13, 2015 | 1           | A              |                |
| 247                    | IR -15-01-HAR-226-A | Handing over steel reinforcement and levels of box culvert slab at Segment B From Sta.B0+012to Sta.B0+032.                           | August 12, 2015 | August 12, 2015 | August 13, 2015   | August 13, 2015 | 1           | A              |                |
| 248                    | IR -15-01-HAR-227-A | Handing Over formwork and levels of Manhole MH(01) walls at S0+16.25.  | August 13, 2015 | August 13, 2015 | August 14, 2015   | August 13, 2015 | 0           | C              |                |



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| No.                    | IR No.              | Description   | Submitted Date     | Inspection Date    | Contract Due Date | Response Date      | Review Days | 1st Inspection | 2nd Inspection |
| 249                    | IR -15-01-HAR-227-B | Handing Over formwork and levels of Manhole MH(01) walls at S0+16.25.   | August 20, 2015    | August 20, 2015    | August 21, 2015   | August 20, 2015    | 0           | A              |                |
| 249                    | IR -15-01-HAR-228-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from Outfall Sta.S0-019 toward manhole MH (09) at Sta. S0+344.78.   | August 13, 2015    | August 13, 2015    | August 14, 2015   | August 13, 2015    | 0           | A              |                |
| 250                    | IR -15-01-HAR-229-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from Outfall Sta.S0-019 toward manhole MH (09) at Sta. S0+344.78 including (levels and alignment) Excluding internal joints preparation and welding strip sheets.            | August 13, 2015    | August 13, 2015    | August 15, 2015   | August 13, 2015    | 0           | A              |                |
| 251                    | IR -15-01-HAR-230-A | Handing over steel reinforcement of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+42 RHS.   | August 15, 2015    | August 15, 2015    | August 16, 2015   | August 15, 2015    | 0           | A              |                |
| 252                    | IR -15-01-HAR-231-A | Handing over formwork of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+42 RHS.  | August 15, 2015    | August 15, 2015    | August 16, 2015   | August 16, 2015    | 1           | A              |                |
| 253                    | IR -15-01-HAR-232-A | Installation of water manholes and connection of gate valve at Segment A at Sta.A0+000 intersection, including external coating.  | August 15, 2015    | August 15, 2015    | August 16, 2015   | August 15, 2015    | 0           | A              |                |
| 254                    | IR -15-01-HAR-233-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (09) at Sta. S0+344.78 Toward manhole MH (10) at Sta. S0+387.27.  | August 17, 2015    | August 17, 2015    | August 18, 2015   | August 17, 2015    | 0           | A              |                |
| 255                    | IR -15-01-HAR-234-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (09) at Sta. S0+344.78 toward manhole MH (10) at Sta. S0+387.27 (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.  | August 17, 2015    | August 17, 2015    | August 18, 2015   | August 17, 2015    | 0           | A              |                |
| 256                    | IR -15-01-HAR-235-A | Handing over steel reinforcement of Retaining Wall Parapet of box culvert at Segment B From Sta.B0+012 to Sta.B0+32 RHS.  | August 17, 2015    | August 17, 2015    | August 18, 2015   | August 18, 2015    | 1           | A              |                |
| 257                    | IR -15-01-HAR-236-A | Handing over formwork of Retaining Wall Parapet of box culvert at Segment B From Sta.B0+012 to Sta.B0+32 RHS.   | August 18, 2015    | August 18, 2015    | August 19, 2015   | August 18, 2015    | 0           | A              |                |
| 258                    | IR -15-01-HAR-237-A | Handing Over Manholes bases levels for MH(07)to cast blinding concrete .  | August 18, 2015    | August 18, 2015    | August 19, 2015   | August 19, 2015    | 1           | A              |                |
| 259                    | IR -15-01-HAR-238-A | Handing Over Manholes bases levels for MH(06), MH(08),MH(09), and MH(10) to cast blinding concrete .  | August 19, 2015    | August 19, 2015    | August 20, 2015   | August 19, 2015    | 0           | A              |                |
| 260                    | IR -15-01-HAR-239-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (10) at Sta. S0+387.27.Toward manhole MH (11) at Sta. S0+429.80.  | August 19, 2015    | August 19, 2015    | August 20, 2015   | August 20, 2015    | 1           | A              |                |
| 261                    | IR -15-01-HAR-240-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (10) at Sta. S0+387.27.Toward manhole MH (11) at Sta. S0+429.80. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets. | August 19, 2015    | August 19, 2015    | August 20, 2015   | August 20, 2015    | 1           | A              |                |
| 262                    | IR -15-01-HAR-241-A | Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHSand from Sta. A0+206 to Sta. A0+257.   | August 20, 2015    | August 20, 2015    | August 22, 2015   | August 20, 2015    | 0           | C              |                |
| 263                    | IR -15-01-HAR-241-B | Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHSand from Sta. A0+206 to Sta. A0+257.   | September 29, 2015 | September 29, 2015 | October 1, 2015   | September 30, 2015 | 1           | C              |                |
| 262                    | IR -15-01-HAR-242-A | Handing Over steel reinforcement and levels of Manhole MH(04) walls at S0+040.90 RHS.   | August 20, 2015    | August 20, 2015    | August 21, 2015   | August 20, 2015    | 0           | C              |                |



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| 263                    | IR -15-01-HAR-242-B | Handing Over steel reinforcement and levels of Manhole MH (04) walls at S0+096.10 RHS.  | August 22, 2015 | August 22, 2015 | August 23, 2015   | August 23, 2015 | 1           | A              |                |
| 263                    | IR -15-01-HAR-243-A | Handing Over concrete sewer pipe 1500mm preparation of internal joints for grouting from manhole MH(09) to MH(10).                                | August 20, 2015 | August 20, 2015 | August 22, 2015   | August 20, 2015 | 0           | A              |                |
| 264                    | IR -15-01-HAR-244-A | Handing Over steel reinforcement of pipe culvert (inlet and outlet)walls at segment B at Sta. B920 .  | August 20, 2015 | August 20, 2015 | August 22, 2015   | August 20, 2015 | 0           | C              |                |
| 265                    | IR -15-01-HAR-244-B | Handing Over steel reinforcement of pipe culvert (inlet and outlet)walls at segment B at Sta. B920 .  | August 23, 2015 | August 23, 2015 | August 25, 2015   | August 23, 2015 | 0           | A              |                |
| 265                    | IR -15-01-HAR-245-A | Handing Over Curbstine instullationat segment A at 0+000 intersection LHS and RHSand from Sta. A0+206 to Sta. A0+257.                             | August 20, 2015 | August 20, 2015 | August 22, 2015   | August 20, 2015 | 0           | A              |                |
| 266                    | IR -15-01-HAR-246-A | Retaining Wall Preparation for Protective Coating From Sta.B0+032 to Sta.B0+042 RHS(both sides)and From Sta.B0+032 to Sta.B0+050 LHS(both sides). | August 20, 2015 | August 20, 2015 | August 22, 2015   | August 20, 2015 | 0           | A              |                |
| 267                    | IR -15-01-HAR-247-A | Handing Over steel reinforcement and levels of Manhole MH(06) base at Sta. S0+173.15 RHS and at Sta.S0+231.69 baess .                             | August 22, 2015 | August 22, 2015 | August 23, 2015   | August 23, 2015 | 1           | A              |                |
| 268                    | IR -15-01-HAR-248-A | Handing Over steel reinforcement and levels of Manhole MH(02) walls at S0+40.90RHS.   | August 22, 2015 | August 22, 2015 | August 23, 2015   | August 23, 2015 | 1           | A              |                |
| 269                    | IR -15-01-HAR-249-A | Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment B From Sta.B0+240 to Sta.B0+900 LHS.              | August 22, 2015 | August 22, 2015 | August 23, 2015   | August 23, 2015 | 1           | A              |                |
| 270                    | IR -15-01-HAR-250-A | Handing Over formwork and levels of Manhole MH (04) walls at S0+96.10 RHS.  | August 23, 2015 | August 23, 2015 | August 24, 2015   | August 23, 2015 | 0           | A              |                |
| 271                    | IR -15-01-HAR-251-A | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)  | August 23, 2015 | August 23, 2015 | August 24, 2015   | August 23, 2015 | 0           | C              |                |
| 272                    | IR -15-01-HAR-251-B | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)  | August 24, 2015 | August 24, 2015 | August 25, 2015   | August 25, 2015 | 1           | C              |                |
| 273                    | IR -15-01-HAR-251-C | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)  | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 26, 2015 | 1           | C              |                |
| 274                    | IR -15-01-HAR-251-D | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)  | August 26, 2015 | August 26, 2015 | August 27, 2015   | August 26, 2015 | 0           | A              |                |
| 275                    | IR -15-01-HAR-252-A | Handing over 1st Protective Coating layer of Retaining Wall From Sta.B0+032 to Sta.B0+042 L & RHS   | August 23, 2015 | August 23, 2015 | August 24, 2015   | August 23, 2015 | 0           | A              |                |
| 276                    | IR -15-01-HAR-253-A | Handing Over formwork of sewer Manhole MH (02) walls at S0+40.90 RHS  | August 23, 2015 | August 23, 2015 | August 24, 2015   | August 23, 2015 | 0           | A              |                |
| 277                    | IR -15-01-HAR-254-A | Handing Over formwork of pipe culvert (inlet and outlet) walls at segment B at Sta. B0+920.   | August 23, 2015 | August 23, 2015 | August 24, 2015   | August 23, 2015 | 0           | A              |                |



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| 278                    | IR -15-01-HAR-255-A | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).   | August 24, 2015 | August 25, 2015 | August 25, 2015   | August 25, 2015 | 0           | C              |                |
| 279                    | IR -15-01-HAR-255-B | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 26, 2015 | 1           | C              |                |
| 280                    | IR -15-01-HAR-255-C | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).   | August 26, 2015 | August 26, 2015 | August 27, 2015   | August 26, 2015 | 0           | A              |                |
| 281                    | IR -15-01-HAR-256-A | Handing over 2nd Protective Coating layer of retaining wall from sta.(B0+032 – B0+042) L&RHS  | August 24, 2015 | August 24, 2015 | August 25, 2015   | August 25, 2015 | 1           | A              |                |
| 282                    | IR -15-01-HAR-257-A | Handing Over steel reinforcement and levels of sewer manhole MH (05) walls at S0+122.63 RHS.  | August 24, 2015 | August 24, 2015 | August 25, 2015   | August 25, 2015 | 1           | C              |                |
| 283                    | IR -15-01-HAR-257-B | Handing Over steel reinforcement and levels of sewer manhole MH (05) walls at S0+122.63 RHS.  | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 25, 2015 | 0           | A              |                |
| 284                    | IR -15-01-HAR-258-A | Handing Over steel reinforcement and levels of sewer manholes bases MH (08) at Sta. S0+292.26 & MH (09) at Sta. S0+344.78 .   | August 24, 2015 | August 24, 2015 | August 25, 2015   | August 25, 2015 | 1           | A              |                |
| 285                    | IR -15-01-HAR-259-A | Handing over Steel Reinforcement & levels of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 25, 2015 | 0           | C              |                |
| 286                    | IR -15-01-HAR-259-B | Handing over Steel Reinforcement & levels of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 25, 2015 | 0           | A              |                |
| 287                    | IR -15-01-HAR-260-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (11) at Sta. S0+429.80.Toward manhole MH (12) at Sta. S0+480.29   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 25, 2015 | 0           | A              |                |
| 288                    | IR -15-01-HAR-261-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (11) at Sta. S0+429.80.Toward manhole MH (12) at Sta. S0+480.29. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets. | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 25, 2015 | 0           | A              |                |
| 289                    | IR -15-01-HAR-262-A | Handing over formwork of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 26, 2015 | 1           | A              |                |
| 290                    | IR -15-01-HAR-263-A | Handing Over steel reinforcement and levels of sewer manhole MH (10) base at S0+387.27 RHS.   | August 25, 2015 | August 25, 2015 | August 26, 2015   | August 26, 2015 | 1           | A              |                |
| 291                    | IR -15-01-HAR-264-A | Handing Over Base Course layer from Sta. A0+200 to Sta. A0+360, including alignment and compaction.   | August 26, 2015 | August 26, 2015 | August 27, 2015   | August 26, 2015 | 0           | C              |                |
| 292                    | IR -15-01-HAR-264-B | Handing Over Base Course layer from Sta. A0+200 to Sta. A0+360, including alignment and compaction.   | August 27, 2015 | August 27, 2015 | August 28, 2015   | August 27, 2015 | 0           | A              |                |
| 292                    | IR -15-01-HAR-265-A | Handing Over steel reinforcement and level of sewer manhole MH(05) walls at sta. S0+075.55 RHS.   | August 26, 2015 | August 26, 2015 | August 27, 2015   | August 26, 2015 | 0           | A              |                |
| 293                    | IR -15-01-HAR-266-A | Handing Over Manholes bases levels for MH (11) to start cast of blinding concrete.  | August 26, 2015 | August 26, 2015 | August 27, 2015   | August 26, 2015 | 0           | A              |                |



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| 294                    | IR -15-01-HAR-267-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (12) at Sta. S0+480.29.Toward manhole MH (13) at Sta. S0+530   | August 27, 2015 | August 27, 2015 | August 28, 2015   | August 27, 2015 | 0           | A              |                |
| 295                    | IR -15-01-HAR-268-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (12) at Sta. S0+480.29.Toward manhole MH (13) at Sta. S0+530. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets. | August 27, 2015 | August 27, 2015 | August 28, 2015   | August 27, 2015 | 0           | A              |                |
| 296                    | IR -15-01-HAR-269-A | Handing over spraying MC coating over base course layer from Sta. 0+200 to Sta. 0+360  | August 29, 2015 | August 29, 2015 | August 30, 2015   | August 29, 2015 | 0           | A              |                |
| 297                    | IR -15-01-HAR-270-A | Handing over spraying MC coating over base course layer from Sta. 0+200 to Sta. 0+360  | August 29, 2015 | August 29, 2015 | August 30, 2015   | August 29, 2015 | 0           | A              |                |
| 298                    | IR -15-01-HAR-271-A | Handing over Steel Reinforcement & levels of box culvert parapet at Segment B From Sta.B0+012 to Sta.B0+032 LHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 299                    | IR -15-01-HAR-272-A | Handing over formwork of box culvert parapet at Segment B From Sta.B0+012 to Sta.B0+032 LHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 300                    | IR -15-01-HAR-273-A | Handing Over formwork of sewer manhole MH (03) and MH(05) walls RHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 301                    | IR -15-01-HAR-274-A | Handing Over steel reinforcement of sewer manhole MH (11) foundation RHS.  | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 302                    | IR -15-01-HAR-275-A | Handing Over ground level for blinding concrete for sewer manhole MH (12) and MH (13) RHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 303                    | IR -15-01-HAR-276-A | Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (13).Toward manhole MH (14) .  | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 304                    | IR -15-01-HAR-277-A | Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (13).Toward manhole MH (14). (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.                                  | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 305                    | IR -15-01-HAR-278-A | Handing Over steel reinforcement of sewer manhole MH (07) walls RHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 306                    | IR -15-01-HAR-279-A | Handing Over steel reinforcement of sewer manhole MH (08) walls RHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 307                    | IR -15-01-HAR-280-A | Handing Over steel reinforcement of sewer manhole MH (10) walls RHS.   | August 30, 2015 | August 30, 2015 | August 31, 2015   | August 30, 2015 | 0           | A              |                |
| 308                    | IR -15-01-HAR-281-A | Handing Over sewer manhole MH (01) preparation for external protective coating.  | August 31, 2015 | August 31, 2015 | September 1, 2015 | August 31, 2015 | 0           | A              |                |
| 309                    | IR -15-01-HAR-282-A | Handing Over 1st protective coating of retaining wall parapet from station B0+008 to station B0+032 RHS.   | August 31, 2015 | August 31, 2015 | September 1, 2015 | August 31, 2015 | 0           | A              |                |



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| 310                    | IR -15-01-HAR-283-A | Handing Over ground level for blinding concrete for sewer manhole MH (14) RHS.  | August 31, 2015   | August 31, 2015   | September 1, 2015 | September 1, 2015 | 1           | A              |                |
| 311                    | IR -15-01-HAR-284-A | Handing Over sewer manhole MH (02) preparation for external protective coating.   | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 1, 2015 | 0           | A              |                |
| 312                    | IR -15-01-HAR-285-A | Handing Over reinforcement of retaining wall from station B0+008 to station B0+012 LHS.   | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 1, 2015 | 0           | A              |                |
| 313                    | IR -15-01-HAR-286-A | Handing Over formwork of retaining wall from station B0+008 to station B0+012 LHS. .  | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 2, 2015 | 1           | A              |                |
| 314                    | IR -15-01-HAR-287-A | Handing Over steel reinforcement of sewer manhole MH (12) foundation  | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 1, 2015 | 0           | A              |                |
| 315                    | IR -15-01-HAR-288-A | Handing Over 2st protective coating of retaining wall parapet from station B0+008 to station B0+032 RHS.  | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 2, 2015 | 1           | A              |                |
| 316                    | IR -15-01-HAR-289-A | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (10) to MH (13) RHS.                                       | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 2, 2015 | 1           | C              |                |
| 317                    | IR -15-01-HAR-289-B | Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (10) to MH (13) RHS.                                       | September 3, 2015 | September 3, 2015 | September 4, 2015 | September 3, 2015 | 0           | A              |                |
| 317                    | IR -15-01-HAR-290-A | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 2, 2015 | 1           | C              |                |
| 318                    | IR -15-01-HAR-290-B | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 3, 2015 | September 3, 2015 | September 4, 2015 | September 3, 2015 | 0           | C              |                |
| 318                    | IR -15-01-HAR-290-C | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 6, 2015 | 0           | C              |                |
| 319                    | IR -15-01-HAR-290-D | Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.                                 | September 7, 2015 | September 7, 2015 | September 8, 2015 | September 7, 2015 | 0           | A              |                |
| 318                    | IR -15-01-HAR-291-A | : Handing Over sewer manhole MH (04) and pipe culvert at station B0+920 preparations for external protective coating                            | September 1, 2015 | September 1, 2015 | September 2, 2015 | September 2, 2015 | 1           | A              |                |
| 319                    | IR -15-01-HAR-292-A | Handing Over formwork sewer manhole MH (07) and manhole MH (10) walls.  | September 2, 2015 | September 2, 2015 | September 3, 2015 | September 2, 2015 | 0           | A              |                |
| 320                    | IR -15-01-HAR-293-A | Handing Over 1st protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04).   | September 2, 2015 | September 2, 2015 | September 3, 2015 | September 2, 2015 | 0           | A              |                |
| 321                    | IR -15-01-HAR-294-A | Handing Over 2nd protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04) and pipe culvert outlie at station B0+920. | September 2, 2015 | September 2, 2015 | September 3, 2015 | September 2, 2015 | 0           | A              |                |
| 322                    | IR -15-01-HAR-295-A | Handing Over steel reinforcement of sewer manhole MH (14) foundation.   | September 3, 2015 | September 3, 2015 | September 4, 2015 | September 3, 2015 | 0           | A              |                |



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| No.                    | IR No.              | Description  | Submitted Date    | Inspection Date   | Contract Due Date | Response Date     | Review Days | 1st Inspection | 2nd Inspection |
| 323                    | IR -15-01-HAR-296-A | Handing Over formwork of sewer manhole MH (08) walls.  | September 3, 2015 | September 5, 2015 | September 4, 2015 | September 6, 2015 | 1           | A              |                |
| 324                    | IR -15-01-HAR-297-A | Handing Over internal joint grouting of sewer line from manhole MH (13) to manhole MH (14).  | September 5, 2015 | September 6, 2015 | September 6, 2015 | September 6, 2015 | 0           | A              |                |
| 325                    | IR -15-01-HAR-298-A | Handing steel Over reinforcement of sewer manhole MH (11) wall.  | September 5, 2015 | September 5, 2015 | September 6, 2015 | September 6, 2015 | 1           | A              |                |
| 326                    | IR -15-01-HAR-299-A | Handing Over 1st protective coating of retaining wall from station B0+008 to station B0+012 LHS.   | September 5, 2015 | September 5, 2015 | September 6, 2015 | September 6, 2015 | 1           | A              |                |
| 327                    | IR -15-01-HAR-300-A | Handing Over 2nd protective coating of retaining wall from station B0+008 to station B0+012 LHS.   | September 5, 2015 | September 5, 2015 | September 6, 2015 | September 6, 2015 | 1           | A              |                |
| 328                    | IR -15-01-HAR-301-A | Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A0+260 to Sta.A0+370 RHS and at station A0+00 intersection. | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 6, 2015 | 0           | A              |                |
| 329                    | IR -15-01-HAR-302-A | Handing over steel reinforcement of sewer manhole MH (13) base.  | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 7, 2015 | 1           | A              |                |
| 330                    | IR -15-01-HAR-303-A | Handing over steel reinforcement of sewer manhole MH (06) walls.   | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 7, 2015 | 1           | A              |                |
| 331                    | IR -15-01-HAR-304-A | Handing formwork of sewer manhole MH (11) walls.   | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 7, 2015 | 1           | A              |                |
| 332                    | IR -15-01-HAR-305-A | Handing 1st protective coating of box culvert slap at station B0+012 to station B0+032.  | September 6, 2015 | September 6, 2015 | September 7, 2015 | September 7, 2015 | 1           | A              |                |
| 333                    | IR -15-01-HAR-306-A | Handing Over preparation for protective coating of sewer manhole MH (05).  | September 7, 2015 | September 7, 2015 | September 8, 2015 | September 7, 2015 | 0           | C              |                |
| 334                    | IR -15-01-HAR-306-B | Handing Over preparation for protective coating of sewer manhole MH (05).  | September 8, 2015 | September 8, 2015 | September 9, 2015 | September 8, 2015 | 0           | A              |                |
| 335                    | IR -15-01-HAR-307-A | Handing 2nd protective coating of box culvert slap at station B0+012 to station B0+032.  | September 7, 2015 | September 7, 2015 | September 8, 2015 | September 8, 2015 | 1           | A              |                |
| 336                    | IR -15-01-HAR-308-A | Handing Over steel reinforcement of sewer manhole MH (12)..  | September 7, 2015 | September 7, 2015 | September 8, 2015 | September 8, 2015 | 1           | A              |                |
| 337                    | IR -15-01-HAR-309-A | Handing Over preparation for protective coating of sewer manhole MH (07).  | September 8, 2015 | September 8, 2015 | September 9, 2015 | September 8, 2015 | 0           | A              |                |
| 338                    | IR -15-01-HAR-310-A | Handing Over formwork of sewer manhole MH (12).  | September 8, 2015 | September 8, 2015 | September 9, 2015 | September 8, 2015 | 0           | A              |                |
| 339                    | IR -15-01-HAR-311-A | Handing Over formwork of sewer manhole MH (09).  | September 8, 2015 | September 8, 2015 | September 9, 2015 | September 8, 2015 | 0           | A              |                |



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| 340                    | IR -15-01-HAR-312-A | Handing Over preparation for protective coating of sewer manhole MH (11).                                       | September 7, 2015  | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0           | A              |                |
| 341                    | IR -15-01-HAR-313-A | Handing Over 1st protective coating of sewer manhole MH (05) and manhole MH (07).                               | September 7, 2015  | September 8, 2015  | September 8, 2015  | September 8, 2015  | 0           | A              |                |
| 342                    | IR -15-01-HAR-314-A | Handing Over preparation for protective coating of sewer manhole MH (10).                                       | September 8, 2015  | September 8, 2015  | September 9, 2015  | September 8, 2015  | 0           | A              |                |
| 343                    | IR -15-01-HAR-315-A | Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.                               | September 8, 2015  | September 8, 2015  | September 9, 2015  | September 9, 2015  | 1           | C              |                |
| 344                    | IR -15-01-HAR-315-B | Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.                               | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 |             | A              |                |
| 343                    | IR -15-01-HAR-316-A | Handing Over 2nd protective coating of sewer manhole MH (05).   | September 8, 2015  | September 8, 2015  | September 9, 2015  | September 8, 2015  | 0           | A              |                |
| 344                    | IR -15-01-HAR-317-A | Handing Over steel reinforcement of sewer manhole MH (13) walls.  | September 8, 2015  | September 8, 2015  | September 9, 2015  | September 8, 2015  | 0           | A              |                |
| 345                    | IR -15-01-HAR-318-A | Handing Over formwork of sewer manhole MH (06) walls.   | September 9, 2015  | September 9, 2015  | September 10, 2015 | September 9, 2015  | 0           | A              |                |
| 346                    | IR -15-01-HAR-319-A | Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075. | September 9, 2015  | September 9, 2015  | September 10, 2015 | September 9, 2015  | 0           | C              |                |
| 347                    | IR -15-01-HAR-319-B | Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075. | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | A              |                |
| 347                    | IR -15-01-HAR-320-A | Handing Over 1st protective coating of sewer manhole MH (11).   | September 9, 2015  | September 9, 2015  | September 10, 2015 | September 10, 2015 | 1           | A              |                |
| 348                    | IR -15-01-HAR-321-A | Handing Over traffic sign location of segment A.  | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | A              |                |
| 349                    | IR -15-01-HAR-322-A | Handing Over traffic sign location of segment B.  | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | C              |                |
| 350                    | IR -15-01-HAR-322-B | Handing Over traffic sign location of segment B.  | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 14, 2015 | 0           | C              |                |
| 351                    | IR -15-01-HAR-322-C | Handing Over traffic sign location of segment B.  | September 29, 2015 | September 29, 2015 | September 30, 2015 | September 30, 2015 | 1           | C              |                |
| 350                    | IR -15-01-HAR-323-A | Handing Over 2nd protective coating of sewer manhole MH (11).   | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | A              |                |
| 351                    | IR -15-01-HAR-324-A | Handing Over formwork of sewer manhole MH (13).   | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | A              |                |



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| 352                    | IR -15-01-HAR-325-A | Handing Over steel reinforcement of concrete steep inside sewer manhole MH (01) and manhole MH (02) and manhole MH (03).   | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 10, 2015 | 0           | A              |                |
| 353                    | IR -15-01-HAR-326-A | Handing Over 2nd protective coating of sewer manhole MH (10).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 11, 2015 | 1           | A              |                |
| 354                    | IR -15-01-HAR-327-A | Handing Over preparation for protective coating of sewer manhole MH (08) and manhole MH (12).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 11, 2015 | 1           | A              |                |
| 355                    | IR -15-01-HAR-328-A | Handing Over 1st protective coating of sewer manhole MH (08) and manhole MH (12).  | September 10, 2015 | September 10, 2015 | September 11, 2015 | September 11, 2015 | 1           | A              |                |
| 356                    | IR -15-01-HAR-329-A | Handing Over steel reinforcement of sewer manhole MH (14).   | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 12, 2015 | 0           | A              |                |
| 357                    | IR -15-01-HAR-330-A | Handing Over guard rail installation from station A0+020 to station A0+070 RHS and from station A0+020 to station A0+060 LHS and from station A0+655 to station A0+675 RHS | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 13, 2015 | 1           | C              |                |
| 358                    | IR -15-01-HAR-331-A | Handing Over 2nd protective coating of sewer manhole MH (08) and manhole MH (12).  | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 12, 2015 | 0           | A              |                |
| 359                    | IR -15-01-HAR-332-A | Handing Over preparation for protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).  | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 12, 2015 | 0           | A              |                |
| 360                    | IR -15-01-HAR-333-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (05) and manhole MH (06) and manhole MH (07) and manhole MH (08) and manhole MH (09)             | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 12, 2015 | 0           | A              |                |
| 361                    | IR -15-01-HAR-334-A | Handing Over excavated pit for traffic sign tube along segment A.  | September 12, 2015 | September 12, 2015 | September 13, 2015 | September 12, 2015 | 0           | A              |                |
| 362                    | IR -15-01-HAR-335-A | Handing Over formwork of sewer manhole MH (14).  | September 13, 2015 | September 13, 2015 | September 14, 2015 | September 14, 2015 | 1           | A              |                |
| 363                    | IR -15-01-HAR-336-A | Handing Over 1st protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).  | September 13, 2015 | September 13, 2015 | September 14, 2015 | September 14, 2015 | 1           | A              |                |
| 364                    | IR -15-01-HAR-337-A | Handing Over subgrade layer from station B0+000 to station B0+070.   | September 13, 2015 | September 13, 2015 | September 14, 2015 | September 14, 2015 | 1           | A              |                |
| 365                    | IR -15-01-HAR-338-A | Handing Over 2nd protective coating of sewer manhole MH (07) and sewer manhole MH (09).  | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 14, 2015 | 0           | A              |                |
| 366                    | IR -15-01-HAR-339-A | Handing Over base course layer from station B0+900 to station B0+983.  | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 15, 2015 | 1           | A              |                |
| 367                    | IR -15-01-HAR-340-A | Handing Over 1st protective coating of sewer manhole MH (13).  | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 15, 2015 | 1           | A              |                |
| 368                    | IR -15-01-HAR-341-A | Handing Over 2nd protective coating of sewer manhole MH (06) and sewer manhole MH (13).  | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 15, 2015 | 1           | A              |                |



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| No.                    | IR No.              | Description  | Submitted Date     | Inspection Date    | Contract Due Date  | Response Date      | Review Days | 1st Inspection | 2nd Inspection |
| 369                    | IR -15-01-HAR-342-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (01) and MH (02) and MH (03) and MH (04) and MH (05).        | September 14, 2015 | September 14, 2015 | September 15, 2015 | September 15, 2015 | 1           | A              |                |
| 370                    | IR -15-01-HAR-343-A | Handing Over concrete benching of sewer manhole MH (01) and manhole MH (02) manhole MH (03) and manhole MH (04) and manhole MH (05). | September 15, 2015 | September 15, 2015 | September 16, 2015 | September 15, 2015 | 0           | A              |                |
| 371                    | IR -15-01-HAR-344-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (06),MH (07) and MH (08).                                    | September 15, 2015 | September 15, 2015 | September 16, 2015 | September 16, 2015 | 1           | A              |                |
| 372                    | IR -15-01-HAR-345-A | Handing Over preparation for protective coating of sewer manhole MH (14).  | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 16, 2015 | 0           | A              |                |
| 373                    | IR -15-01-HAR-346-A | Handing Over preparation for internal protective coating of sewer manhole MH (01).   | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 16, 2015 | 0           | C              |                |
| 374                    | IR -15-01-HAR-346-B | Handing Over preparation for internal protective coating of sewer manhole MH (01).   | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 374                    | IR -15-01-HAR-347-A | Handing Over steel reinforcement of sewer manhole slabs for manholes MH (09) and MH (10) and MH (11).                                | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 17, 2015 | 1           | A              |                |
| 375                    | IR -15-01-HAR-348-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (06).  | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 16, 2015 | 0           | A              |                |
| 376                    | IR -15-01-HAR-349-A | Handing over base course layer from station B0+000 to station B0+240   | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 17, 2015 | 1           | A              |                |
| 377                    | IR -15-01-HAR-350-A | Handing Over steel reinforcement of concrete step inside sewer manhole MH (13)and sewer manhole MH (14).                             | September 16, 2015 | September 16, 2015 | September 17, 2015 | September 17, 2015 | 1           | A              |                |
| 378                    | IR -15-01-HAR-351-A | Handing Over 2nd protective coating of sewer manhole MH (14).  | September 17, 2015 | September 17, 2015 | September 18, 2015 | September 17, 2015 | 0           | A              |                |
| 379                    | IR -15-01-HAR-352-A | Handing Over base course layer at station A0+220 L.H.S .   | September 17, 2015 | September 17, 2015 | September 18, 2015 | September 17, 2015 | 0           | A              |                |
| 380                    | IR -15-01-HAR-353-A | Handing Over preparation for protective coating of box culvert base.   | September 17, 2015 | September 17, 2015 | September 18, 2015 | September 17, 2015 | 0           | C              |                |
| 381                    | IR -15-01-HAR-353-B | Handing Over preparation for protective coating of box culvert base.   | September 19, 2015 | September 19, 2015 | September 20, 2015 | September 19, 2015 | 0           | A              |                |
| 381                    | IR -15-01-HAR-354-A | Handing Over 1st protective coating of box culvert base.   | September 19, 2015 | September 19, 2015 | September 20, 2015 | September 19, 2015 | 0           | A              |                |
| 382                    | IR -15-01-HAR-355-A | Handing Over 2nd protective coating of box culvert base.   | September 19, 2015 | September 19, 2015 | September 20, 2015 | September 19, 2015 | 0           | A              |                |
| 383                    | IR -15-01-HAR-356-A | Handing Over steel reinforcement of sewer manhole slabs MH (12), MH (13) and MH (14).  | September 19, 2015 | September 19, 2015 | September 20, 2015 | September 20, 2015 | 1           | A              |                |



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| 384                    | IR -15-01-HAR-357-A | Handing Over steps for water chamber at WWTP, Qelqes and main connection.  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 21, 2015 | 1           | C              |                |
| 385                    | IR -15-01-HAR-358-A | Handing Over sewer manhole steps from sewer manhole MH (01) to manhole MH (14).  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 21, 2015 | 1           | C              |                |
| 386                    | IR -15-01-HAR-359-A | Handing Over preparation of internal surface of sewer manholes from MH (01) to MH (03).  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 21, 2015 | 1           | C              |                |
| 387                    | IR -15-01-HAR-359-B | Handing Over preparation of internal surface of sewer manholes from MH (01) to MH (03).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 387                    | IR -15-01-HAR-360-A | Handing Over MC prime coat spraying over base course layer from station B0+000 to station B0+240 and from station B0+900 to station B0+981, and access road at station A0+220 LHS. | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 20, 2015 | 0           | A              |                |
| 388                    | IR -15-01-HAR-361-A | Handing Over concrete benching of sewer manholes from MH (06) to MH (14).  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 21, 2015 | 1           | C              |                |
| 389                    | IR -15-01-HAR-361-B | Handing Over concrete benching of sewer manholes from MH (06) to MH (14).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 389                    | IR -15-01-HAR-362-A | Handing Over preparation of internal coating of sewer manholes MH (04) and MH (05).  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 20, 2015 | 0           | A              |                |
| 390                    | IR -15-01-HAR-363-A | Handing Over steel reinforcement of outfall of sewer line base at station S0-019.  | September 20, 2015 | September 20, 2015 | September 21, 2015 | September 21, 2015 | 1           | A              |                |
| 391                    | IR -15-01-HAR-364-A | Handing Over 1st protective coating of internal surface of sewer manholes MH (04) and MH (05).   | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | A              |                |
| 392                    | IR -15-01-HAR-365-A | Handing Over preparation for precast curbstone from station A0+200 to station A0+260 RHS.  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | A              |                |
| 393                    | IR -15-01-HAR-366-A | Handing Over preparation of internal coating of sewer manhole MH (06).   | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | A              |                |
| 394                    | IR -15-01-HAR-367-A | Handing Over preparation of internal coating of sewer manhole MH (07).   | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 395                    | IR -15-01-HAR-367-B | Handing Over preparation of internal coating of sewer manhole MH (07).   | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 395                    | IR -15-01-HAR-368-A | Handing Over preparation of internal coating of sewer manhole MH (08).   | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 396                    | IR -15-01-HAR-368-B | Handing Over preparation of internal coating of sewer manhole MH (08).   | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 396                    | IR -15-01-HAR-369-A | Handing Over preparation of internal coating of sewer manhole MH (09).   | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |



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| 397                    | IR -15-01-HAR-369-B | Handing Over preparation of internal coating of sewer manhole MH (09).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 396                    | IR -15-01-HAR-370-A | Handing Over preparation of internal coating of sewer manhole MH (10).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | A              |                |
| 397                    | IR -15-01-HAR-371-A | Handing Over preparation of internal coating of sewer manhole MH (11).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | A              |                |
| 398                    | IR -15-01-HAR-372-A | Handing Over preparation of internal coating of sewer manhole MH (12).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 399                    | IR -15-01-HAR-372-B | Handing Over preparation of internal coating of sewer manhole MH (12).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 399                    | IR -15-01-HAR-373-A | Handing Over preparation of internal coating of sewer manhole MH (13).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 400                    | IR -15-01-HAR-373-B | Handing Over preparation of internal coating of sewer manhole MH (13).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 400                    | IR -15-01-HAR-374-A | Handing Over preparation of internal coating of sewer manhole MH (14).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 401                    | IR -15-01-HAR-374-B | Handing Over preparation of internal coating of sewer manhole MH (14).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 401                    | IR -15-01-HAR-375-A | Handing Over preparation of internal coating of sewer manhole MH (05).  | September 21, 2015 | September 21, 2015 | September 22, 2015 | September 21, 2015 | 0           | C              |                |
| 402                    | IR -15-01-HAR-375-B | Handing Over preparation of internal coating of sewer manhole MH (05).  | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 402                    | IR -15-01-HAR-376-A | Handing Over steel reinforcement of concrete ditch and concrete protection from station B0+050 to station B0+240 LHS, from station B0+900 to station B0+981 LHS, from station A0+135 to station A0+150 LHS and from station A0+220 to station A0+230 LHS. | September 22, 2015 | September 22, 2015 | September 23, 2015 | September 22, 2015 | 0           | A              |                |
| 403                    | IR -15-01-HAR-377-A | Handing Over 1st protective coating of internal surface of sewer manholes from MH (01) to MH (03) and from MH (06) to MH (14).  | September 28, 2015 | September 28, 2015 | September 29, 2015 | September 28, 2015 | 0           | A              |                |
| 404                    | IR -15-01-HAR-378-A | Handing Over steel reinforcement of sewer line outfall at station S0-019 walls.   | September 28, 2015 | September 28, 2015 | September 29, 2015 | September 28, 2015 | 0           | A              |                |
| 405                    | IR -15-01-HAR-379-A | Handing Over formwork of sewer line outfall at station S0-019 walls.  | September 28, 2015 | September 28, 2015 | September 29, 2015 | September 28, 2015 | 0           | A              |                |
| 406                    | IR -15-01-HAR-380-A | Handing Over 2nd protective coating of internal surface of sewer manholes from MH (01) to MH (14).  | September 28, 2015 | September 28, 2015 | September 29, 2015 | September 28, 2015 | 0           | A              |                |
| 407                    | IR -15-01-HAR-381-A | Correction of Monthly Environmental Check List of August 2015   | September 29, 2015 | September 29, 2015 | September 30, 2015 | September 30, 2015 | 1           | A              |                |
| 408                    | IR -15-01-HAR-382-A | Handing over Hydrostatic Testing of 4"water pipe line (PN25) at segment A from Sta. A0+000 to Sta.A0+998.   | September 30, 2015 | September 30, 2015 | October 1, 2015    | September 30, 2015 | 0           | A              |                |



# Annex D:

## Submittals Log.





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|-----|------------------------|---------|--|--------------------------|-------------------|-------------------|-------------------|-------------|--------|
| 20  | SUB-15-00001-HAR-014-A | HAR     | Testing Lab CV   | Pre-Construction         | December 18, 2014 | January 17, 2015  | December 28, 2014 | 10          | B      |
| 21  | SUB-15-00001-HAR-015-A | HAR     | Environmental Mitigation and Monitoring Plan (EMMP)                                  | Pre-Construction         | December 18, 2014 | January 17, 2015  | December 30, 2014 | 12          | C      |
| 22  | SUB-15-00001-HAR-015-B | HAR     | Environmental Mitigation and Monitoring Plan (EMMP)                                  | Pre-Construction         | January 18, 2015  | February 17, 2015 | February 3, 2015  | 16          | C      |
| 23  | SUB-15-00001-HAR-015-C | HAR     | Environmental Mitigation and Monitoring Plan (EMMP)                                  | Pre-Construction         | March 8, 2015     | April 7, 2015     | March 15, 2015    | 7           | B      |
| 24  | SUB-15-00001-HAR-016-A | HAR     | Al Amir Ready Mixed Concrete Factory Profile   | Construction             | December 18, 2014 | January 17, 2015  | December 28, 2014 | 10          | B      |
| 25  | SUB-15-00001-HAR-017-A | HAR     | Steel Reinforcement Manufacturers Data   | Construction             | December 18, 2014 | January 17, 2015  | December 28, 2014 | 10          | C      |
| 26  | SUB-15-00001-HAR-017-B | HAR     | Steel Reinforcement Manufacturers Data   | construction             | January 11, 2015  | February 10, 2015 | January 12, 2015  | 1           | B      |
| 27  | SUB-15-00001-HAR-017-C | HAR     | Steel Reinforcement Manufacturers Data / Up-Dated Certificate (For Engineers Record) | construction             | February 23, 2015 | March 25, 2015    | March 4, 2015     | 9           | B      |
| 28  | SUB-15-00001-HAR-018-A | HAR     | List of Permits and License  | Pre-Construction         | December 22, 2014 | January 21, 2015  | December 30, 2014 | 8           | B      |
| 29  | SUB-15-00001-HAR-019-A | HAR     | Shop Drawing Frame and Cover Template  | Pre-Construction         | December 22, 2014 | January 21, 2015  | December 28, 2014 | 6           | A      |
| 30  | SUB-15-00001-HAR-020-A | HAR     | Submittal Schedule   | Pre-Construction         | December 22, 2014 | January 21, 2015  | December 30, 2014 | 8           | C      |
| 31  | SUB-15-00001-HAR-020-B | HAR     | Submittal Schedule   | Pre-Construction         | January 22, 2015  | February 21, 2015 | January 27, 2015  | 5           | B      |
| 32  | SUB-15-00001-HAR-021-A | HAR     | Construction Risk Management Program   | Pre-Construction         | December 30, 2014 | January 29, 2015  | January 12, 2015  | 13          | C      |
| 33  | SUB-15-00001-HAR-021-B | HAR     | Construction Risk Management Program   | Pre-Construction         | January 22, 2015  | February 21, 2015 | February 3, 2015  | 12          | C      |
| 34  | SUB-15-00001-HAR-021-C | HAR     | Construction Risk Management Program   | Pre-Construction         | February 18, 2015 | March 20, 2015    | February 24, 2015 | 6           | B      |
| 35  | SUB-15-00001-HAR-022-A | HAR     | Water Manholes Covers "PAMREX"   | Material - Mec           | December 30, 2014 | January 29, 2015  | January 4, 2015   | 5           | B      |
| 36  | SUB-15-00001-HAR-023-A | HAR     | Pre- Cast Concrete Manholes  | Material - Mec           | December 30, 2014 | January 29, 2015  | January 4, 2015   | 5           | C      |
| 37  | SUB-15-00001-HAR-023-B | 25      | Pre- Cast Concrete Manholes  | Material - Mec           | January 20, 2015  | February 19, 2015 | January 27, 2015  | 7           | B      |
| 38  | SUB-15-00001-HAR-024-A | HAR     | Sewer Manholes Covers "PAMREX"   | Material - Mec           | December 30, 2014 | January 29, 2015  | January 4, 2015   | 5           | B      |



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|-----|------------------------|---------|--|--------------------------|-------------------|-------------------|-------------------|-------------|--------|
| 39  | SUB-15-00001-HAR-025-A | HAR     | Strainers of Pipeline                                    | Material - Mec           | December 30, 2014 | January 29, 2015  | December 30, 2014 | 0           | B      |
| 40  | SUB-15-00001-HAR-026-A | HAR     | Engineer's Field Office Location and Layout              | Pre-Construction         | January 5, 2015   | February 4, 2015  | January 6, 2015   | 1           | B      |
| 41  | SUB-15-00001-HAR-027-A | HAR     | Preliminary Progress Schedule (60 Day Plan of Operation) | Pre-Construction         | January 5, 2015   | February 4, 2015  | January 13, 2015  | 8           | B      |
| 42  | SUB-15-00001-HAR-028-A | HAR     | Project Temporary Signs                                  | Pre-Construction         | January 11, 2015  | February 10, 2015 | January 12, 2015  | 1           | B      |
| 43  | SUB-15-00001-HAR-029-A | HAR     | Manhole Covers Inscription                               | construction             | January 13, 2015  | February 12, 2015 | February 2, 2015  | 20          | C      |
| 44  | SUB-15-00001-HAR-029-B | HAR     | Manhole Covers Inscription                               | construction             | February 9, 2015  | March 11, 2015    | February 11, 2015 | 2           | B      |
| 45  | SUB-15-00001-HAR-029-C | HAR     | Manhole Covers Inscription/ Al Haddad Steel Company      | construction             | April 5, 2015     | May 5, 2015       | April 13, 2015    | 8           | B      |
| 46  | SUB-15-00001-HAR-030-A | HAR     | Storage Yard   | Pre-Construction         | January 14, 2015  | February 13, 2015 | January 19, 2015  | 5           | B      |
| 47  | SUB-15-00001-HAR-031-A | HAR     | Dumping Area   | Pre-Construction         | January 14, 2015  | February 13, 2015 | January 25, 2015  | 11          | C      |
| 48  | SUB-15-00001-HAR-031-B | HAR     | Dumping Area   | Pre-Construction         | February 3, 2015  | March 5, 2015     | February 5, 2015  | 2           | B      |
| 49  | SUB-15-00001-HAR-032-A | HAR     | 6 Cell Phones & 6 Jawwal SIM)                            | Construction             | January 14, 2015  | February 13, 2015 | January 15, 2015  | 1           | A      |
| 50  | SUB-15-00001-HAR-033-A | HAR     | Dilapidation Survey                                      | Pre-Construction         | January 14, 2015  | February 13, 2015 | January 25, 2015  | 11          | B      |
| 51  | SUB-15-00001-HAR-034-A | HAR     | Safety Plan  | Pre-Construction         | January 14, 2015  | February 13, 2015 | February 1, 2015  | 18          | B      |
| 52  | SUB-15-00001-HAR-035-A | HAR     | Quality Control Plan                                     | Pre-Construction         | January 14, 2015  | February 13, 2015 | January 27, 2015  | 13          | C      |
| 53  | SUB-15-00001-HAR-035-B | HAR     | Quality Control Plan                                     | Pre-Construction         | February 8, 2015  | March 10, 2015    | February 17, 2015 | 9           | B      |
| 54  | SUB-15-00001-HAR-036-A | HAR     | Key Staff  | Pre-Construction         | January 15, 2015  | February 14, 2015 | January 19, 2015  | 4           | E      |
| 55  | SUB-15-00001-HAR-037-A | HAR     | Pipes 4"& 2"   | Material - Mec           | January 15, 2015  | February 14, 2015 | January 19, 2015  | 4           | B      |
| 56  | SUB-15-00001-HAR-038-A | HAR     | Pressure Gauge and snubber                               | Material - Mec           | January 15, 2015  | February 14, 2015 | January 20, 2015  | 5           | B      |
| 57  | SUB-15-00001-HAR-039-A | HAR     | Pressure Differential Switch                             | Material - Mec           | January 18, 2015  | February 17, 2015 | January 28, 2015  | 10          | B      |



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|-----|------------------------|---------|--|--------------------------|-------------------|-------------------|-------------------|-------------|--------|
| 58  | SUB-15-00001-HAR-039-B | HAR     | Pressure Differential Switch( For Engineer Record)                     | Material - Mec           | February 5, 2015  | March 7, 2015     | February 17, 2015 | 12          | C      |
| 59  | SUB-15-00001-HAR-039-C | HAR     | Pressure Differential Switch( For Engineer Record)                     | Material - Mec           | May 14, 2015      | June 13, 2015     | May 20, 2015      | 6           | E      |
| 60  | SUB-15-00001-HAR-040-A | HAR     | Traffic Control Plan   | Pre-Construction         | January 18, 2015  | February 17, 2015 | January 27, 2015  | 9           | B      |
| 61  | SUB-15-00001-HAR-041-A | HAR     | Steel Flang  | Material - Mec           | January 18, 2015  | February 17, 2015 | February 1, 2015  | 14          | B      |
| 62  | SUB-15-00001-HAR-042-A | HAR     | Temporary Signs Locations  | Pre-Construction         | January 20, 2015  | February 19, 2015 | January 25, 2015  | 5           | B      |
| 63  | SUB-15-00001-HAR-043-A | HAR     | General Construction Method Statement                                  | Pre-Construction         | January 20, 2015  | February 19, 2015 | February 10, 2015 | 21          | C      |
| 64  | SUB-15-00001-HAR-043-B | HAR     | General Construction Method Statement                                  | Pre-Construction         | February 12, 2015 | March 14, 2015    | February 17, 2015 | 5           | B      |
| 65  | SUB-15-00001-HAR-044-A | HAR     | Ball Valves (DN50 and Smaller)   | Material - Mec           | January 25, 2015  | February 24, 2015 | January 28, 2015  | 3           | B      |
| 66  | SUB-15-00001-HAR-045-A | HAR     | Flange Gasket AFM34  | Material - Mec           | January 25, 2015  | February 24, 2015 | January 28, 2015  | 3           | B      |
| 67  | SUB-15-00001-HAR-046-A | HAR     | Galvanized Malleable Iron Fitting                                      | Material - Mec           | January 25, 2015  | February 24, 2015 | January 28, 2015  | 3           | B      |
| 68  | SUB-15-00001-HAR-047-A | HAR     | Combination Air Valves 2" & 4"   | Material - Mec           | January 25, 2015  | February 24, 2015 | January 28, 2015  | 3           | B      |
| 69  | SUB-15-00001-HAR-048-A | HAR     | Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15 | Material - Mec           | January 25, 2015  | February 24, 2015 | February 1, 2015  | 7           | B      |
| 70  | SUB-15-00001-HAR-049-A | HAR     | Water Line Warning Tape  | Material - Mec           | January 26, 2015  | February 25, 2015 | February 1, 2015  | 6           | C      |
| 71  | SUB-15-00001-HAR-049-B | HAR     | Water Line Warning Tape  | Material - Mec           | February 8, 2015  | March 10, 2015    | February 11, 2015 | 3           | C      |
| 72  | SUB-15-00001-HAR-049-C | HAR     | Water Line Warning Tape  | Material - Mec           | February 15, 2015 | March 17, 2015    | February 17, 2015 | 2           | A      |
| 73  | SUB-15-00001-HAR-050-A | HAR     | Gate Valve GV2 (2"&4")   | Material - Mec           | January 26, 2015  | February 25, 2015 | January 28, 2015  | 2           | B      |
| 74  | SUB-15-00001-HAR-051-A | HAR     | Welding Procedure  | Material - Mec           | January 26, 2015  | February 25, 2015 | January 28, 2015  | 2           | C      |
| 75  | SUB-15-00001-HAR-051-B | HAR     | Welding Procedure  | Material - Mec           | February 17, 2015 | March 19, 2015    | March 4, 2015     | 15          | C      |
| 76  | SUB-15-00001-HAR-051-C | HAR     | Welding Procedure  | Material - Mec           | March 8, 2015     | April 7, 2015     | March 9, 2015     | 1           | A      |



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|-----|------------------------|---------|--|--------------------------|-------------------|-------------------|--------------------------|-------------|-----------|
| 77  | SUB-15-00001-HAR-052-A | HAR     | CPM Construction Schedule  | Pre-Construction         | January 27, 2015  | February 26, 2015 | February 9, 2015         | 13          | C         |
| 78  | SUB-15-00001-HAR-052-B | HAR     | CPM Construction Schedule  | Pre-Construction         | March 2, 2015     | April 1, 2015     | Retracted March 03, 2015 | R           | Retracted |
| 79  | SUB-15-00001-HAR-052-B | HAR     | CPM Construction Schedule  | Pre-Construction         | March 4, 2015     | April 3, 2015     | March 5, 2015            | 1           | A         |
| 80  | SUB-15-00001-HAR-053-A | HAR     | Survey Plan for Segment B  | Construction             | January 27, 2015  | February 26, 2015 | February 1, 2015         | 5           | B         |
| 81  | SUB-15-00001-HAR-054-A | HAR     | Traffic Sign Sample(Work Ahead)  | Construction             | January 27, 2015  | February 26, 2015 | February 4, 2015         | 8           | B         |
| 82  | SUB-15-00001-HAR-055-A | HAR     | Survey Plan for Segment A  | Construction             | January 27, 2015  | February 26, 2015 | February 5, 2015         | 9           | B         |
| 83  | SUB-15-00001-HAR-056-A | HAR     | Backfill Material – Crushed Single Size Aggregate (Homos)                      | Material - Civil         | January 27, 2015  | February 26, 2015 | January 29, 2015         | 2           | B         |
| 84  | SUB-15-00001-HAR-057-A | HAR     | Bedding Material Aggregate- Granular Backfill Material (Somsom Size)           | Material - Civil         | January 27, 2015  | February 26, 2015 | January 29, 2015         | 2           | B         |
| 85  | SUB-15-00001-HAR-058-A | HAR     | Swing check valve DN50 PN16 & PN25   | Material - Mec           | January 29, 2015  | February 28, 2015 | February 4, 2015         | 6           | D         |
| 86  | SUB-15-00001-HAR-058-B | HAR     | Swing check valve DN50 PN16 & PN25   | Material - Mec           | February 22, 2015 | March 24, 2015    | March 5, 2015            | 11          | E         |
| 87  | SUB-15-00001-HAR-059-A | HAR     | Flow Control Valve for Qelqes Connection Chamber                               | Material - Mec           | January 29, 2015  | February 28, 2015 | February 4, 2015         | 6           | C         |
| 88  | SUB-15-00001-HAR-059-B | HAR     | Flow Control Valve for Qelqes Connection Chamber                               | Material - Mec           | March 24, 2015    | April 23, 2015    | April 8, 2015            | 15          | B         |
| 89  | SUB-15-00001-HAR-060-A | HAR     | Flow & pressure reducing control valve   | Material - Mec           | February 1, 2015  | March 3, 2015     | February 4, 2015         | 3           | D         |
| 90  | SUB-15-00001-HAR-060-B | HAR     | Flow & pressure reducing control valve   | Material - Mec           | February 18, 2015 | March 20, 2015    | March 5, 2015            | 15          | B         |
| 91  | SUB-15-00001-HAR-061-A | HAR     | Pressure Relief valve for WWTP chamber   | Material - Mec           | February 1, 2015  | March 3, 2015     | February 4, 2015         | 3           | B         |
| 92  | SUB-15-00001-HAR-062-A | HAR     | Base Course Testing Results- Al Jabri Crusher Plant                            | Material - Civil         | February 2, 2015  | March 4, 2015     | February 3, 2015         | 1           | B         |
| 93  | SUB-15-00001-HAR-063-A | HAR     | Identification Tape for sewer pipeline   | Material - Civil         | February 3, 2015  | March 5, 2015     | February 5, 2015         | 2           | B         |
| 94  | SUB-15-00001-HAR-064-A | HAR     | Water Quality Testing Lab(WQTL)- Renewable Energy & Environrt Research Unit CV | Material - Civil         | February 4, 2015  | March 6, 2015     | February 5, 2015         | 1           | B         |
| 95  | SUB-15-00001-HAR-065-A | HAR     | Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480   | Shop Drawing             | February 5, 2015  | March 7, 2015     | February 11, 2015        | 6           | C         |



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| 96  | SUB-15-00001-HAR-065-B | HAR     | Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480                  | Shop Drawing             | February 11, 2015 | March 13, 2015    | February 12, 2015 | 1           | B      |
| 97  | SUB-15-00001-HAR-065-C | HAR     | Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480 For Construction | Shop Drawing             | March 18, 2015    | April 17, 2015    | March 18, 2015    | 0           | A      |
| 98  | SUB-15-00001-HAR-066-A | HAR     | Heat Shrinkable Sleeve & Tapes  | Material - Civil         | February 15, 2015 | March 17, 2015    | February 17, 2015 | 2           | D      |
| 99  | SUB-15-00001-HAR-066-B | HAR     | Heat Shrinkable Sleeve & Tapes  | Material - Civil         | February 18, 2015 | March 20, 2015    | March 4, 2015     | 14          | B      |
| 100 | SUB-15-00001-HAR-067-A | HAR     | Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+090 RHS                                  | Shop Drawing             | February 12, 2015 | March 14, 2015    | February 17, 2015 | 5           | C      |
| 101 | SUB-15-00001-HAR-067-B | HAR     | Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+090 RHS                                  | Shop Drawing             | February 23, 2015 | March 25, 2015    | March 2, 2015     | 7           | B      |
| 102 | SUB-15-00001-HAR-067-C | HAR     | Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+088 RHS                                  | Shop Drawing             | March 8, 2015     | April 7, 2015     | March 16, 2015    | 8           | A      |
| 103 | SUB-15-00001-HAR-068-A | HAR     | Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS                                  | Shop Drawing             | February 15, 2015 | March 17, 2015    | February 17, 2015 | 2           | C      |
| 104 | SUB-15-00001-HAR-068-B | HAR     | Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS                                  | Shop Drawing             | February 25, 2015 | March 27, 2015    | March 11, 2015    | 14          | B      |
| 105 | SUB-15-00001-HAR-068-C | HAR     | Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS - For Construction               | Shop Drawing             | March 15, 2015    | April 14, 2015    | March 16, 2015    | 1           | A      |
| 106 | SUB-15-00001-HAR-069-A | HAR     | Bedding Material Aggregate- Granular Backfill Material (Somsom Size)                          | Material - Civil         | February 15, 2015 | March 17, 2015    | February 17, 2015 | 2           | B      |
| 107 | SUB-15-00001-HAR-070-A | HAR     | Backfill Material – Crushed Single Size Aggregate - Abu Ramooz Crusher                        | Material - Civil         | February 15, 2015 | March 17, 2015    | February 17, 2015 | 2           | B      |
| 108 | SUB-15-00001-HAR-071-A | HAR     | GATE VALVE 100mm & 50mm   | Shop Drawing             | February 15, 2015 | March 17, 2015    | March 5, 2015     | 18          | B      |
| 109 | SUB-15-00001-HAR-071-B | HAR     | GATE VALVE 100mm & 50mm - For Construction  | Shop Drawing             | May 6, 2015       | June 5, 2015      | May 13, 2015      | 7           | A      |
| 110 | SUB-15-00001-HAR-072-A | HAR     | Combination air Valve 50mm  | Shop Drawing             | February 15, 2015 | March 17, 2015    | March 4, 2015     | 17          | B      |
| 111 | SUB-15-00001-HAR-072-B | HAR     | Combination air Valve 50mm -For Construction  | Shop Drawing             | May 6, 2015       | June 5, 2015      | May 13, 2015      | 7           | A      |
| 112 | SUB-15-00001-HAR-073-A | HAR     | WASHOUT OUTFALL IN URBAN AREAS 200mm&80mm   | Shop Drawing             | February 15, 2015 | March 17, 2015    | March 4, 2015     | 17          | D      |
| 113 | SUB-15-00001-HAR-073-B | HAR     | WASHOUT OUTFALL IN URBAN AREAS 50 mm  | Shop Drawing             | March 9, 2015     | April 8, 2015     | March 12, 2015    | 3           | B      |
| 114 | SUB-15-00001-HAR-073-C | HAR     | WASHOUT OUTFALL IN URBAN AREAS 50 mm - For Construction                                       | Shop Drawing             | May 6, 2015       | June 5, 2015      | May 13, 2015      | 7           | A      |



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| No.                       | Submittal No.          | Project | Description  | Submittal Classification | Submitted Date    | Contract Due Date | Response Date     | Review Days | Status |
| 115                       | SUB-15-00001-HAR-074-A | HAR     | Flow Monitoring Vault 100 mm   | Shop Drawing             | February 17, 2015 | March 19, 2015    | March 5, 2015     | 16          | C      |
| 116                       | SUB-15-00001-HAR-074-B | HAR     | Flow Monitoring Vault 100 mm   | Shop Drawing             | April 23, 2015    | May 23, 2015      | April 28, 2015    | 5           | A      |
| 117                       | SUB-15-00001-HAR-075-A | HAR     | Hot - Mix Asphalt Design - Nominal Size 3/4"   | Material - Civil         | February 18, 2015 | March 20, 2015    | February 18, 2015 | 0           | B      |
| 118                       | SUB-15-00001-HAR-076-A | HAR     | Segment A , Water Pipeline 100 mm Plan & Profile   | Shop Drawing             | February 18, 2015 | March 20, 2015    | March 5, 2015     | 15          | B      |
| 119                       | SUB-15-00001-HAR-076-B | HAR     | Segment A , Water Pipeline 100 mm Plan & Profile / For Construction                                  | Shop Drawing             | March 9, 2015     | April 8, 2015     | March 18, 2015    | 9           | A      |
| 120                       | SUB-15-00001-HAR-077A  | HAR     | Manhole Steps  | Material - Civil         | February 18, 2015 | March 20, 2015    | March 4, 2015     | 14          | A      |
| 121                       | SUB-15-00001-HAR-078-A | HAR     | Shop Drawing Plan Profile and Cross Sections From St. B 0+480 TO ST. B 0+981.69                      | Shop Drawing             | February 22, 2015 | March 24, 2015    | March 2, 2015     | 8           | B      |
| 122                       | SUB-15-00001-HAR-078-B | HAR     | Shop Drawing Plan Profile and Cross Sections From St. B 0+480 TO ST. B 0+981.69 ( For Construction ) | Shop Drawing             | March 10, 2015    | April 9, 2015     | March 18, 2015    | 8           | A      |
| 123                       | SUB-15-00001-HAR-079-A | HAR     | Steel Fittings   | Material - Mec           | February 22, 2015 | March 24, 2015    | March 9, 2015     | 15          | B      |
| 124                       | SUB-15-00001-HAR-080-A | HAR     | Formwork Design for Retaining Works  | Shop Drawing             | February 22, 2015 | March 24, 2015    | February 24, 2015 | 2           | C      |
| 125                       | SUB-15-00001-HAR-080-B | HAR     | Formwork Design for Retaining Works  | Shop Drawing             | March 4, 2015     | April 3, 2015     | March 8, 2015     | 4           | B      |
| 126                       | SUB-15-00001-HAR-081-A | HAR     | Bolts, Washers & Nuts  | Material - Mec           | February 23, 2015 | March 25, 2015    | March 4, 2015     | 9           | B      |
| 127                       | SUB-15-00001-HAR-082-A | HAR     | Branding Plan  | Construction             | February 24, 2015 | March 26, 2015    | March 8, 2015     | 12          | E      |
| 128                       | SUB-15-00001-HAR-083-A | HAR     | Cement Curb Stone (25x 17x100 cm) / Al Amir Company  | Construction             | February 24, 2015 | March 26, 2015    | February 24, 2015 | 0           | B      |
| 129                       | SUB-15-00001-HAR-084-A | HAR     | MECHANICAL WWTP SERVICE CONNECTION CHAMBER   | Shop Drawing             | February 25, 2015 | March 27, 2015    | March 5, 2015     | 8           | E      |
| 130                       | SUB-15-00001-HAR-085-A | HAR     | MECHANICAL QELQES CONNECTION CHAMBER   | Shop Drawing             | February 25, 2015 | March 27, 2015    | March 5, 2015     | 8           | E      |
| 131                       | SUB-15-00001-HAR-086-A | HAR     | Pre- Reinforced Concrete Pipe Culvert Diameter 1000 mm/ Al Amir Company                              | Material -Civil          | February 26, 2015 | March 28, 2015    | March 17, 2015    | 19          | B      |
| 132                       | SUB-15-00001-HAR-087-A | HAR     | Cat Eyes -(IRIFLEX , Planing, Consulting & Manufacturing Ltd)  | Material -Civil          | February 26, 2015 | March 28, 2015    | March 4, 2015     | 6           | B      |
| 133                       | SUB-15-00001-HAR-088-A | HAR     | Concrete Ready Mix Design , Class B15 & B30  | Material -Civil          | March 2, 2015     | April 1, 2015     | March 17, 2015    | 15          | B      |



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| 134 | SUB-15-00001-HAR-089-A | HAR     | Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement             | Material -Civil          | March 4, 2015  | April 3, 2015     | March 16, 2015           | 12          | C         |
| 135 | SUB-15-00001-HAR-089-B | HAR     | Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement             | Material -Civil          | March 24, 2015 | April 23, 2015    | April 2, 2015            | 9           | C         |
|     | SUB-15-00001-HAR-089-C | HAR     | Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement             | Material -Civil          | April 23, 2015 | May 23, 2015      | Retracted May 06, 2015   | R           | Retracted |
| 136 | SUB-15-00001-HAR-089-C | HAR     | Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement             | Material -Civil          | May 10, 2015   | June 9, 2015      | May 20, 2015             | 10          | B         |
| 137 | SUB-15-00001-HAR-090-A | HAR     | Prim Coat ( Bitumul M-10) / Leading Waterproofing Technologies                   | Material -Civil          | March 4, 2015  | April 3, 2015     | March 25, 2015           | 21          | B         |
| 138 | SUB-15-00001-HAR-091-A | HAR     | Tack Coat ( Bitumul STC) / Leading Waterproofing Technologies                    | Material -Civil          | March 4, 2015  | April 3, 2015     | March 25, 2015           | 21          | B         |
| 139 | SUB-15-00001-HAR-092-A | HAR     | Shop Drawing Retaining Wall From ST. B0+0200 TO ST.B0+300 RHS                    | Shop Drawing             | March 4, 2015  | April 3, 2015     | March 11, 2015           | 7           | B         |
| 140 | SUB-15-00001-HAR-092-B | HAR     | Shop Drawing Retaining Wall From ST. B0+0200 TO ST.B0+300 RHS - For Construction | Shop Drawing             | March 15, 2015 | April 14, 2015    | March 16, 2015           | 1           | A         |
| 141 | SUB-15-00001-HAR-093-A | HAR     | Shop Drawing Retaining Wall From ST. B0+0300 TO ST.B0+350 RHS                    | Shop Drawing             | March 4, 2015  | April 3, 2015     | March 8, 2015            | 4           | E         |
| 142 | SUB-15-00001-HAR-094-A | HAR     | JMF - Hot Mix Asphalt - HMAC / Binder Bituminous Course Layer 1" / Roots Company | Material -Civil          | March 5, 2015  | April 4, 2015     | March 16, 2015           | 11          | B         |
| 143 | SUB-15-00001-HAR-095-A | HAR     | Plan , Profile & Cross Sections - Segment A                                      | Shop Drawing             | March 8, 2015  | April 7, 2015     | Retracted March 11, 2015 | R           | Retracted |
| 144 | SUB-15-00001-HAR-095-A | HAR     | Plan , Profile & Cross Sections - Segment A                                      | Shop Drawing             | March 11, 2015 | April 10, 2015    | March 30, 2015           | 19          | C         |
| 145 | SUB-15-00001-HAR-095-B | HAR     | Plan , Profile & Cross Sections - Segment A                                      | Shop Drawing             | April 8, 2015  | May 8, 2015       | April 16, 2015           | 8           | B         |
| 146 | SUB-15-00001-HAR-095-C | HAR     | Plan , Profile & Cross Sections - Segment A / For Construction                   | Shop Drawing             | April 21, 2015 | May 21, 2015      | April 29, 2015           | 8           | A         |
| 147 | SUB-15-00001-HAR-096-A | HAR     | Precast concrete Sewer Pipe Dia 1500 mm  | Material -Civil          | March 9, 2015  | April 8, 2015     | March 18, 2015           | 9           | B         |
| 148 | SUB-15-00001-HAR-097-A | HAR     | Safety Barriers Guardrail Type N2 - ESP2- W4                                     | Material -Civil          | March 9, 2015  | April 8, 2015     | March 15, 2015           | 6           | C         |
| 149 | SUB-15-00001-HAR-097-B | HAR     | Safety Barriers Guardrail Type N2 - ESP2- W5                                     | Material -Civil          | March 31, 2015 | April 30, 2015    | April 6, 2015            | 6           | B         |
| 150 | SUB-15-00001-HAR-098-A | HAR     | Water Chamber Manhole Covers "750 mm"/ Al Haddad Steel Company                   | Material -Civil          | March 10, 2015 | April 9, 2015     | March 17, 2015           | 7           | B         |
| 151 | SUB-15-00001-HAR-099-A | HAR     | Sewer Manhole Cover 600 mm "Al Haddad Steel Company"                             | Material -Civil          | March 10, 2015 | April 9, 2015     | March 16, 2015           | 6           | C         |



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| 152                       | SUB-15-00001-HAR-099-B | HAR     | Sewer Manhole Cover 600 mm<br>"Al Haddad Steel Company"  | Material - Civil         | March 31, 2015 | April 30, 2015    | April 2, 2015  | 2           | B      |
| 153                       | SUB-15-00001-HAR-100-A | HAR     | Morex – Radio – Graphic Testing Agency – Welding Testing Lab   | Material - Civil         | March 10, 2015 | April 9, 2015     | March 12, 2015 | 2           | A      |
| 154                       | SUB-15-00001-HAR-101-A | HAR     | HAR Main Connection  | Shop Drawing             | March 10, 2015 | April 9, 2015     | March 12, 2015 | 2           | B      |
| 155                       | SUB-15-00001-HAR-101-B | HAR     | HAR Main Connection - For Construction   | Shop Drawing             | March 23, 2015 | April 22, 2015    | March 30, 2015 | 7           | B      |
| 156                       | SUB-15-00001-HAR-102-A | HAR     | Base Course Loose Sample Testing Results- Source Al Bushraa New ( Abu Fathi ) Crusher Plant                        | Material - Civil         | March 10, 2015 | April 9, 2015     | March 16, 2015 | 6           | B      |
| 157                       | SUB-15-00001-HAR-103-A | HAR     | Qelqes Connection  | Shop Drawing             | March 11, 2015 | April 10, 2015    | March 12, 2015 | 1           | B      |
| 158                       | SUB-15-00001-HAR-103-B | HAR     | Qelqes Connection - For Construction   | Shop Drawing             | March 16, 2015 | April 15, 2015    | March 24, 2015 | 8           | B      |
| 159                       | SUB-15-00001-HAR-104-A | HAR     | Heat Shrinkable Tapes / Supplementary Data   | Material - Civil         | March 12, 2015 | April 11, 2015    | March 18, 2015 | 6           | D      |
| 160                       | SUB-15-00001-HAR-104-B | HAR     | Heat Shrinkable Tapes / Supplementary Data   | Material - Civil         | March 22, 2015 | April 21, 2015    | March 30, 2015 | 8           | B      |
| 161                       | SUB-15-00001-HAR-105-A | HAR     | WWTP CONNECTION  | Shop Drawing             | March 12, 2015 | April 11, 2015    | March 15, 2015 | 3           | B      |
| 162                       | SUB-15-00001-HAR-105-B | HAR     | WWTP CONNECTION / For Construction   | Shop Drawing             | March 23, 2015 | April 22, 2015    | April 8, 2015  | 16          | A      |
| 163                       | SUB-15-00001-HAR-106-A | HAR     | Thermoplastic Paint Road Marking - Prismo Road Marking Ltd - Ennis Paint-Spain                                     | Material - Civil         | March 12, 2015 | April 11, 2015    | March 17, 2015 | 5           | B      |
| 164                       | SUB-15-00001-HAR-107-A | HAR     | Propeller Flow meters  | Material - Mec           | March 15, 2015 | April 14, 2015    | March 18, 2015 | 3           | B      |
| 165                       | SUB-15-00001-HAR-108-A | HAR     | Welders Qualification Report   | Material - Mec           | March 15, 2015 | April 14, 2015    | March 18, 2015 | 3           | B      |
| 166                       | SUB-15-00001-HAR-109-A | HAR     | Bedding Material Aggregate- Granular Backfill Material (Somsom Size) - Source Al Bushraa New ( Abu Fathi ) Crusher | Material - Civil         | March 15, 2015 | April 14, 2015    | March 17, 2015 | 2           | B      |
| 167                       | SUB-15-00001-HAR-110-A | HAR     | Backfill Material – Crushed Single Size Aggregate (Foul and Adas)- Source Al Bushraa New ( Abu Fathi ) Crusher     | Material - Civil         | March 15, 2015 | April 14, 2015    | March 17, 2015 | 2           | B      |
| 168                       | SUB-15-00001-HAR-111-A | HAR     | Plan , Profile Water Pipe Line 50mm From Sta.B0-020 to Sta.B0+987 LHS  | Shop Drawing             | March 16, 2015 | April 15, 2015    | March 30, 2015 | 14          | B      |
| 169                       | SUB-15-00001-HAR-111-B | HAR     | Plan , Profile Water Pipe Line 50mm From Sta.B0-020 to Sta.B0+987 LHS - Fo Construction                            | Shop Drawing             | May 6, 2015    | June 5, 2015      | May 6, 2015    | 0           | A      |
| 170                       | SUB-15-00001-HAR-112-A | HAR     | Malleable iron fittings (alternative)  | Material - Mec           | March 22, 2015 | April 21, 2015    | April 13, 2015 | 22          | C      |



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| 171                       | SUB-15-00001-HAR-112-B | HAR     | Malleable iron fittings (alternative)   | Material - Mec           | April 21, 2015 | May 21, 2015      | April 28, 2015  | 7           | B      |
| 172                       | SUB-15-00001-HAR-113-A | HAR     | Concrete Curing Method Statement  | Construction             | March 24, 2015 | April 23, 2015    | March 25, 2015  | 1           | B      |
| 173                       | SUB-15-00001-HAR-114-A | HAR     | Pressure reducing valve for WWTP chamber  | Material - Mec           | March 24, 2015 | April 23, 2015    | April 2, 2015   | 9           | B      |
| 174                       | SUB-15-00001-HAR-115-A | HAR     | Malleable iron fittings (alternative) / Source Coupling   | Material - Mec           | March 24, 2015 | April 23, 2015    | March 30, 2015  | 6           | B      |
| 175                       | SUB-15-00001-HAR-116-A | HAR     | Pressure Relief valve for WWTP chamber / Supplemetry Data   | Material - Mec           | March 25, 2015 | April 24, 2015    | March 30, 2015  | 5           | A      |
| 176                       | SUB-15-00001-HAR-117-A | HAR     | Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+563  | Shop Drawing             | April 5, 2015  | May 5, 2015       | May 4, 2015     | 29          | C      |
| 177                       | SUB-15-00001-HAR-117-B | HAR     | Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+564  | Shop Drawing             | May 19, 2015   | June 18, 2015     | June 4, 2015    | 16          | C      |
| 178                       | SUB-15-00001-HAR-117-C | HAR     | Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+564  | Shop Drawing             | June 9, 2015   | July 9, 2015      | June 24, 2015   | 15          | B      |
| 179                       | SUB-15-00001-HAR-117-D | HAR     | Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+565for const                                       | Construction             | August 3, 2015 | September 2, 2015 | August 12, 2015 | 9           | A      |
| 179                       | SUB-15-00001-HAR-118-A | HAR     | Precast concrete Sewer Pipe Dia 1500 mm / Al Amir Company   | Material - Civil         | April 7, 2015  | May 7, 2015       | April 13, 2015  | 6           | B      |
| 180                       | SUB-15-00001-HAR-119-A | HAR     | Filter Fabric (Geotextile) Material   | Material - Civil         | April 8, 2015  | May 8, 2015       | April 13, 2015  | 5           | A      |
| 181                       | SUB-15-00001-HAR-120-A | HAR     | Box Culvert From Sta.B0+012 to Sta.B0+030   | Shop Drawing             | April 8, 2015  | May 8, 2015       | May 4, 2015     | 26          | C      |
| 182                       | SUB-15-00001-HAR-120-B | HAR     | Box Culvert From Sta.B0+012 to Sta.B0+030   | Shop Drawing             | May 21, 2015   | June 20, 2015     | June 7, 2015    | 17          | B      |
| 183                       | SUB-15-00001-HAR-120-C | HAR     | Box Culvert From Sta.B0+012 to Sta.B0+030 / For Construction  | Shop Drawing             | July 1, 2015   | July 31, 2015     | July 13, 2015   | 12          | A      |
| 184                       | SUB-15-00001-HAR-121-A | HAR     | Galvanized Steel Tube - Traffic Signs/ Source GAL-LTD-IL  | Material - Civil         | April 13, 2015 | May 13, 2015      | April 16, 2015  | 3           | B      |
| 185                       | SUB-15-00001-HAR-122-A | HAR     | March Monthly Updated CPM Schedule  | Material - Civil         | April 13, 2015 | May 13, 2015      | April 15, 2015  | 2           | B      |
| 186                       | SUB-15-00001-HAR-123-A | HAR     | Traffic Signs Reflective Sheeting / Source 3MTM Company<br>Local Manufacture / 3M - Top Traffic Safety - LTD-IL | Material - Civil         | April 13, 2015 | May 13, 2015      | April 16, 2015  | 3           | B      |
| 187                       | SUB-15-00001-HAR-124-A | HAR     | Selected Fill Material - Source Abed Al Aziz Khdoor Stone Quarry  | Material - Civil         | April 14, 2015 | May 14, 2015      | April 16, 2015  | 2           | A      |
| 188                       | SUB-15-00001-HAR-125-A | HAR     | Selected Fill Material - Source Mohamad Atrash Stone Quarry   | Material - Civil         | April 14, 2015 | May 14, 2015      | April 16, 2015  | 2           | A      |



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| 189 | SUB-15-00001-HAR-126-A | HAR     | Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS                    | Shop Drawing             | April 14, 2015 | May 14, 2015      | April 19, 2015 | 5           | C      |
| 190 | SUB-15-00001-HAR-126-B | HAR     | Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS                    | Shop Drawing             | April 29, 2015 | May 29, 2015      | May 6, 2015    | 7           | C      |
| 191 | SUB-15-00001-HAR-126-C | HAR     | Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS                    | Shop Drawing             | May 7, 2015    | June 6, 2015      | May 12, 2015   | 5           | B      |
| 192 | SUB-15-00001-HAR-126-D | HAR     | Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS / For Construction | Shop Drawing             | June 9, 2015   | July 9, 2015      | June 11, 2015  | 2           | A      |
| 193 | SUB-15-00001-HAR-127-A | HAR     | Orifice plate sizing for flow control valves (Qelqes & WWTP)        | Material - Mec           | April 16, 2015 | May 16, 2015      | April 21, 2015 | 5           | A      |
| 194 | SUB-15-00001-HAR-128-A | HAR     | Monthly Updated Quality Control Plan                                | Construction             | April 19, 2015 | May 19, 2015      | April 23, 2015 | 4           | C      |
| 195 | SUB-15-00001-HAR-128-B | HAR     | Monthly Updated Quality Control Plan                                | Construction             | May 31, 2015   | June 30, 2015     | June 3, 2015   | 3           | B      |
| 196 | SUB-15-00001-HAR-129-A | HAR     | Monthly Updated Safety Plan   | Construction             | April 19, 2015 | May 19, 2015      | April 23, 2015 | 4           | C      |
| 197 | SUB-15-00001-HAR-129-B | HAR     | Monthly Updated Safety Plan   | Construction             | May 17, 2015   | June 16, 2015     | May 28, 2015   | 11          | B      |
| 198 | SUB-15-00001-HAR-130-A | HAR     | Monthly Updated Environmental Monitoring and Mitigation Plan        | Construction             | April 19, 2015 | May 19, 2015      | April 23, 2015 | 4           | C      |
| 199 | SUB-15-00001-HAR-130-B | HAR     | Monthly Updated Environmental Monitoring and Mitigation Plan        | Construction             | May 26, 2015   | June 25, 2015     | May 28, 2015   | 2           | B      |
| 200 | SUB-15-00001-HAR-131-A | HAR     | Monthly Updated CRMP  | Construction             | April 19, 2015 | May 19, 2015      | April 23, 2015 | 4           | A      |
| 201 | SUB-15-00001-HAR-132-A | HAR     | Monthly Updated Submittal Schedule                                  | Construction             | April 20, 2015 | May 20, 2015      | April 23, 2015 | 3           | C      |
| 202 | SUB-15-00001-HAR-132-B | HAR     | Monthly Updated Submittal Schedule                                  | Construction             | June 10, 2015  | July 10, 2015     | June 16, 2015  | 6           | B      |
| 203 | SUB-15-00001-HAR-133-A | HAR     | Concrete Repairing Material ( Renderoc HSXtra by FOSROC)            | Construction             | April 21, 2015 | May 21, 2015      | April 22, 2015 | 1           | B      |
| 204 | SUB-15-00001-HAR-134-A | HAR     | Concrete Repairing Method Statement                                 | Construction             | April 21, 2015 | May 21, 2015      | April 22, 2015 | 1           | B      |
| 205 | SUB-15-00001-HAR-135-A | HAR     | Pipe Culvert From Sta B0+415 to Sta.B0+970                          | Shop Drawing             | April 23, 2015 | May 23, 2015      | April 29, 2015 | 6           | C      |
| 206 | SUB-15-00001-HAR-135-B | HAR     | Pipe Culvert From Sta B0+415 and Sta.B0+970                         | Shop Drawing             | May 26, 2015   | June 25, 2015     | June 1, 2015   | 6           | B      |
| 207 | SUB-15-00001-HAR-135-C | HAR     | Pipe Culvert From Sta B0+415 and Sta.B0+970 / For Construction      | Shop Drawing             | June 8, 2015   | July 8, 2015      | June 11, 2015  | 3           | A      |



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| 208                       | SUB-15-00001-HAR-136-A            | HAR            | Adjustable Pipe Support Sample   | Material - Civil         | April 26, 2015           | May 26, 2015             | May 11, 2015                        | 15           | B                    |
| 209                       | SUB-15-00001-HAR-137-A            | HAR            | Sewer System of Segment B Method Statement   | Construction             | May 4, 2015              | June 3, 2015             | May 13, 2015                        | 9            | C                    |
| 210                       | SUB-15-00001-HAR-137-B            | HAR            | Sewer System of Segment B Method Statement   | Construction             | July 14, 2015            | August 13, 2015          | July 26, 2015                       | 12           | B                    |
| 211                       | SUB-15-00001-HAR-138-A            | HAR            | Alternative Gate Valves PN 25 Metal Seated Raphael   | Construction             | May 10, 2015             | June 9, 2015             | May 13, 2015                        | 3            | B                    |
| 212                       | SUB-15-00001-HAR-139-A            | HAR            | Plan , Profile and Cross Section at Segment B From Sta.B0+000 to Sta.B0+040                          | Shop Drawing             | May 10, 2015             | June 9, 2015             | May 12, 2015                        | 2            | B                    |
| 213                       | SUB-15-00001-HAR-139-B            | HAR            | Plan , Profile and Cross Section at Segment B From Sta.B0+000 to Sta.B0+040 / For Construction       | Shop Drawing             | June 9, 2015             | July 9, 2015             | June 14, 2015                       | 5            | A                    |
| 214                       | SUB-15-00001-HAR-140-A            | HAR            | Internal Coating of Sewer Manhole – Source Fosroc Nitocote ET402E                                    | Material - Civil         | May 10, 2015             | June 9, 2015             | May 20, 2015                        | 10           | B                    |
| 215                       | SUB-15-00001-HAR-141-A            | HAR            | Updated Original CPM Schedule Submittal April 30, 2015   | Construction             | May 10, 2015             | June 9, 2015             | May 12, 2015                        | 2            | B                    |
| 216                       | SUB-15-00001-HAR-142-A            | HAR            | Sewer Manhole Details  | Shop Drawing             | May 14, 2015             | June 13, 2015            | May 26, 2015                        | 12           | C                    |
| 217                       | SUB-15-00001-HAR-142-B            | HAR            | Sewer Manhole Details  | Shop Drawing             | May 26, 2015             | June 25, 2015            | June 16, 2015                       | 21           | B                    |
| 218                       | SUB-15-00001-HAR-142-C            | HAR            | Sewer Manhole Details /for construction  | Shop Drawing             | August 20, 2015          | September 19, 2015       | August 25, 2015                     | 5            | A                    |
| 218                       | SUB-15-00001-HAR-143-A            | HAR            | Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe                                | Construction             | May 18, 2015             | June 17, 2015            | June 8, 2015                        | 21           | C                    |
| 219                       | <del>SUB-15-00001-HAR-143-B</del> | <del>HAR</del> | <del>Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe</del>                     | <del>Construction</del>  | <del>June 29, 2015</del> | <del>July 29, 2015</del> | <del>Retracted- July 02, 2015</del> | <del>R</del> | <del>Retracted</del> |
| 220                       | SUB-15-00001-HAR-143-B            | HAR            | Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe                                | Construction             | July 13, 2015            | August 12, 2015          | July 31, 2015                       | 18           | B                    |
| 221                       | SUB-15-00001-HAR-144-A            | HAR            | Base Course Comprehensive Testing Results- Al Dahdoor Crusher - Yatta City Test Report -NO: ST/15239 | Construction             | May 20, 2015             | June 19, 2015            | May 24, 2015                        | 4            | B                    |
| 222                       | SUB-15-00001-HAR-145-A            | HAR            | Gate Valve 100 mm at Sta.-0+020  | Shop Drawing             | May 21, 2015             | June 20, 2015            | May 24, 2015                        | 3            | E                    |
| 223                       | SUB-15-00001-HAR-146-A            | HAR            | Method Statement Concrete Surface Repairing  | Material-Civil           | May 24, 2015             | June 23, 2015            | May 28, 2015                        | 4            | B                    |
| 224                       | SUB-15-00001-HAR-147-A            | HAR            | Synthetic Rubber Gasket  | Material-Civil           | May 24, 2015             | June 23, 2015            | June 7, 2015                        | 14           | B                    |
| 225                       | SUB-15-00001-HAR-148-A            | HAR            | May Monthly Updated Quality Control Plan   | Material-Civil           | May 31, 2015             | June 30, 2015            | June 3, 2015                        | 3            | B                    |



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|-----|-----------------------------------|----------------|---|-----------------------------|--------------------------|----------------------------|--------------------------------|--------------|----------------------|
| 226 | SUB-15-00001-HAR-149-A            | HAR            | Updated Original CPM Schedule Submittal May 31, 2015                          | Construction                | June 14, 2015            | July 14, 2015              | June 21, 2015                  | 7            | C                    |
| 227 | SUB-15-00001-HAR-149-B            | HAR            | Updated Original CPM Schedule Submittal May 31, 2015                          | Construction                | June 23, 2015            | July 23, 2015              | June 24, 2015                  | 1            | B                    |
| 228 | SUB-15-00001-HAR-150-A            | HAR            | Environmental Monitoring and Mitigation Plan Update for May                   | Construction                | June 17, 2015            | July 17, 2015              | June 28, 2015                  | 11           | B                    |
| 229 | SUB-15-00001-HAR-151-A            | HAR            | Updated Safety Plan May 2015  | Construction                | June 17, 2015            | July 17, 2015              | June 28, 2015                  | 11           | B                    |
| 230 | SUB-15-00001-HAR-152-A            | HAR            | Updated Construction Risk Management Plan ( CRMP) - May 2015                  | Construction                | June 17, 2015            | July 17, 2015              | June 28, 2015                  | 11           | B                    |
| 231 | SUB-15-00001-HAR-153-A            | HAR            | Revised Original CPM Schedule as per VO 01.                                   | Pre-Construction            | July 6, 2015             | August 5, 2015             | July 14, 2015                  | 8            | C                    |
| 232 | <del>SUB-15-00001-HAR-153-B</del> | <del>HAR</del> | <del>Revised Original CPM Schedule as per VO 01.</del>                        | <del>Pre-Construction</del> | <del>July 27, 2015</del> | <del>August 26, 2015</del> | <del>Retracted 04 August</del> | <del>R</del> | <del>Retracted</del> |
| 233 | SUB-15-00001-HAR-153-B            | HAR            | Revised Original CPM Schedule as per VO 01.                                   | Pre-Construction            | August 4, 2015           | September 3, 2015          | August 5, 2015                 | 1            | B                    |
| 233 | SUB-15-00001-HAR-154-A            | HAR            | Monthly Safety Plan Updated for June  | Pre-Construction            | July 9, 2015             | August 8, 2015             | July 15, 2015                  | 6            | A                    |
| 234 | SUB-15-00001-HAR-155-A            | HAR            | Shop Drawing GATE VALVE 50mm at Sta. 0+020                                    | Pre-Construction            | July 13, 2015            | August 12, 2015            | July 23, 2015                  | 10           | B                    |
| 235 | SUB-15-00001-HAR-156-A            | HAR            | Confined Space Safety Plan  | Pre-Construction            | July 29, 2015            | August 28, 2015            | August 3, 2015                 | 5            | C                    |
| 236 | SUB-15-00001-HAR-156-B            | HAR            | Confined Space Safety Plan  | Pre-Construction            | August 9, 2015           | September 8, 2015          | August 16, 2015                | 7            | B                    |
| 237 | SUB-15-00001-HAR-157-A            | HAR            | Testing Lab CV  | Pre-Construction            | August 10, 2015          | September 9, 2015          | August 13, 2015                | 3            | B                    |
| 238 | SUB-15-00001-HAR-158-A            | HAR            | Palestine Standard Institution for 1500 mm concrete sewer pipe certification. | Pre-Construction            | August 13, 2015          | September 12, 2015         | August 18, 2015                | 5            | A                    |
| 239 | SUB-15-00001-HAR-159-A            | HAR            | Method Statement For Sewer pipe Testing.                                      | Pre-Construction            | August 16, 2015          | September 15, 2015         | August 20, 2015                | 4            | C                    |
| 240 | SUB-15-00001-HAR-159-B            | HAR            | Method Statement For Sewer pipe Testing.                                      | Pre-Construction            | September 4, 2015        | October 4, 2015            | September 7, 2015              | 3            | C                    |
| 241 | SUB-15-00001-HAR-159-C            | HAR            | Method Statement For Sewer pipe Testing.                                      | Pre-Construction            | September 16, 2015       | October 16, 2015           | September 21, 2015             | 5            | B                    |
| 240 | SUB-15-00001-HAR-160-A            | HAR            | Updated Safety Plan July 2015   | Pre-Construction            | August 18, 2015          | September 17, 2015         | August 24, 2015                | 6            | B                    |
| 241 | SUB-15-00001-HAR-161-A            | HAR            | Updated Original CPM Schedule Submittal July 31, 2015                         | Pre-Construction            | August 23, 2015          | September 22, 2015         | August 25, 2015                | 2            | B                    |



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|-------|------------------------|---------|---|--------------------------|--------------------|--------------------|--------------------|-------------|--------|
| 242   | SUB-15-00001-HAR-162-A | HAR     | Permanent project sign  | Pre-Construction         | August 24, 2015    | September 23, 2015 | August 26, 2015    | 2           | B      |
| 243   | SUB-15-00001-HAR-163-A | HAR     | Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill )   | Pre-Construction         | August 24, 2015    | September 23, 2015 | September 2, 2015  | 9           | C      |
| 244   | SUB-15-00001-HAR-163-B | HAR     | Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill )   | Pre-Construction         | September 8, 2015  | October 8, 2015    | September 10, 2015 | 2           | B      |
| 245   | SUB-15-00001-HAR-163-C | HAR     | Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill )   | Pre-Construction         | September 16, 2015 | October 16, 2015   | September 21, 2015 | 5           | A      |
| 244   | SUB-15-00001-HAR-164-A | HAR     | Segment .B Road miscellaneous : cat eyes , traffic sign4,road marking & guard rill )  | Pre-Construction         | August 24, 2015    | September 23, 2015 | September 2, 2015  | 9           | C      |
| 245   | SUB-15-00001-HAR-164-B | HAR     | Segment .B Road miscellaneous : cat eyes , traffic sign4,road marking & guard rill )  | Pre-Construction         | September 6, 2015  | October 6, 2015    | September 10, 2015 | 4           | B      |
| 246   | SUB-15-00001-HAR-164-C | HAR     | Segment .B Road miscellaneous : cat eyes , traffic sign4,road marking & guard rill )  | Pre-Construction         | September 16, 2015 | October 16, 2015   | September 21, 2015 | 5           | A      |
| 245   | SUB-15-00001-HAR-165-A | HAR     | Vaccination Certificates.   | Pre-Construction         | September 2, 2015  | October 2, 2015    | September 7, 2015  | 5           | A      |
| 246   | SUB-15-00001-HAR-166-A | HAR     | Cat eyes samples (single and double ) by IRFLEX (Ref. SUB-15-00001-HAR-087-A)   | Material -Civil          | September 8, 2015  | October 8, 2015    | September 14, 2015 | 6           | B      |
| 246   | SUB-15-00001-HAR-167-A | HAR     | Sample of Galvanized Steel Tube - Traffic Signs/ Source GAL-LTD-IL (Ref.SUB-15-00001-HAR-121-A)   | Material -Civil          | September 8, 2015  | October 8, 2015    | September 14, 2015 | 6           | B      |
| 247   | SUB-15-00001-HAR-168-A | HAR     | Sample of Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL (Ref.SUB-15-00001-HAR-123-A) | Material -Civil          | September 8, 2015  | October 8, 2015    | September 14, 2015 | 6           | C      |
| 247   | SUB-15-00001-HAR-169-A | HAR     | Update CPM Schedule Submittal August 31, 2015   | Construction             | September 13, 2015 | October 13, 2015   | September 15, 2015 | 2           | B      |
| 247   | SUB-15-00001-HAR-170-A | HAR     | Pipeline Marking (Pipe Marker Sample) for 2" and 4" water pipe and concrete sewer pipes (1500 mm)   | Material -Civil          | September 15, 2015 | October 15, 2015   | September 21, 2015 | 6           | C      |
| 248   | SUB-15-00001-HAR-171-A | HAR     | Operation and Maintenance Manuals (Gate Valve).   | Material -Civil          | September 21, 2015 | October 21, 2015   |                    |             | P      |
| 248   | SUB-15-00001-HAR-172-A | HAR     | Method Statement for TESTING (Hydrostatic, Disinfection and Flushing )(2" & 4" Pipelines)   | Material -Civil          | September 28, 2015 | October 28, 2015   |                    |             | P      |
| 248   | SUB-15-00001-HAR-173-A | HAR     | Thermoplastic Paint Road Marking Materials (White & Yellow), By (Reda National Co. for Road Paint & Highway Safety)                                 | Material -Civil          | September 30, 2015 | October 30, 2015   |                    |             | P      |
| #REF! | SUB-15-00001-HAR-174-A | HAR     | O&M Manuals Propeller water meter   | Material -Civil          | September 30, 2015 | October 30, 2015   |                    |             | P      |



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| No.               | Submittal No.             | Project | Description  | Submittal Classification             | Submitted Date | Contract Due Date | Response Date  | Review Days | Status |
| 1                 | TEST -15-000001-HAR-001-A | HAR     | Excavated Material Test Report -Report No (ST/15026/INSP) From ST. B0+040 TO ST.B0+430   | Inspection Report                    | March 5, 2015  | April 4, 2015     | March 9, 2015  | 4           | A      |
| 2                 | TEST -15-000001-HAR-002-A | HAR     | Soil Testing and Geotechnical Analysis Report , Construction of Reinforced Concrete Retaining Wall                                   | Geotechnical Report for RW Stability | March 10, 2015 | April 9, 2015     | March 25, 2015 | 15          | A      |
| 3                 | TEST -15-000001-HAR-003-A | HAR     | Field Density of Base Course Layer / Below Retaining Walls Footing From Sta.B0+040 to Sta.B0+090 RHS<br>Test Report No : ( ST/35148) | Field Density                        | March 23, 2015 | April 22, 2015    | March 25, 2015 | 2           | A      |
| 4                 | TEST -15-000001-HAR-004-A | HAR     | Bedding Backfilling Material Aggregate - Somsom Size   | Gradation                            | March 26, 2015 | April 25, 2015    | March 26, 2015 | 0           | A      |
| 5                 | TEST -15-000001-HAR-005-A | HAR     | Backfilling Material Aggregate - Single Size ( Homos Aggregate )   | Gradation                            | March 26, 2015 | April 25, 2015    | March 26, 2015 | 0           | A      |
| 6                 | TEST -15-000001-HAR-006-A | HAR     | Test Report - Reinforcement Deformed Steel Bars  | Yield Strength                       | March 26, 2015 | April 25, 2015    | March 26, 2015 | 0           | A      |
| 7                 | TEST -15-000001-HAR-007-A | HAR     | Test Report - Concrete Compressive Strength / Footing of RW Between Sta.B0+040 to Sta.B0+090 RHS                                     | Compressive Strength                 | April 5, 2015  | May 5, 2015       | April 14, 2015 | 9           | A      |
| 8                 | TEST -15-000001-HAR-008-A | HAR     | Test Report - Bedding Material Aggregate - Somsom Size / WWTP Access Road at Sta.0+450   | Sieve Analysis                       | April 5, 2015  | May 5, 2015       | April 14, 2015 | 9           | A      |
| 9                 | TEST -15-000001-HAR-009-A | HAR     | Test Report -Backfill Material Aggregate - Homos Size / WWTP Access Road Between Sta.0+000 - Sta.0+500                               | Sieve Analysis                       | April 5, 2015  | May 5, 2015       | April 14, 2015 | 9           | A      |
| 10                | TEST -15-000001-HAR-010-A | HAR     | Test Report -NO: BM/CT/15579 Concrete Compressive Strength   | Compressive Strength                 | April 14, 2015 | May 14, 2015      | April 14, 2015 | 0           | A      |
| 11                | TEST -15-000001-HAR-011-A | HAR     | Test Report -NO: BM/CT/15568 Concrete Compressive Strength   | Compressive Strength                 | April 14, 2015 | May 14, 2015      | April 14, 2015 | 0           | A      |
| 12                | TEST -15-000001-HAR-012-A | HAR     | Test Report -NO: BM/CT/15594 Concrete Compressive Strength   | Compressive Strength                 | April 20, 2015 | May 20, 2015      | April 21, 2015 | 1           | B      |
| 13                | TEST -15-000001-HAR-013-A | HAR     | Test Report -NO: BM/CT/15592 Concrete Compressive Strength   | Compressive Strength                 | April 20, 2015 | May 20, 2015      | April 21, 2015 | 1           | B      |
| 14                | TEST -15-000001-HAR-014-A | HAR     | Test Report -NO: BM/CT/15508 Concrete Compressive Strength / Footing of the RW between station 0+040 to 0+090 RHS                    | Compressive Strength                 | April 21, 2015 | May 21, 2015      | April 22, 2015 | 1           | A      |
| 15                | TEST -15-000001-HAR-015-A | HAR     | Test Report -NO: ST/15170 Loose Sample of Imported Selected Filled Material B0+480 to 0+710  | Sieve Analysis                       | April 21, 2015 | May 21, 2015      | April 22, 2015 | 1           | A      |



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| No.               | Submittal No.             | Project | Description  | Submittal Classification | Submitted Date | Contract Due Date | Response Date | Review Days | Status |
| 16                | TEST -15-000001-HAR-016-A | HAR     | Test Report -NO: BM/CT/15623 Concrete Compressive Strength / RW between station 0+150 to 0+157.5RHS & 0+165 to 0+172.5RHS                  | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 17                | TEST -15-000001-HAR-017-A | HAR     | Test Report -NO: BM/CT/15628 Concrete Compressive Strength / RW between station 0+157.5 to 0+165 RHS & 0+172.5 to 0+180 RHS                | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 18                | TEST -15-000001-HAR-018-A | HAR     | Test Report -NO: ST/15160 Loose Sample of Excavated Material B0+000-B0+040 at Sta.B0+020   | Sieve Analysis           | April 28, 2015 | May 28, 2015      | May 27, 2015  | 29          | A      |
| 19                | TEST -15-000001-HAR-019-A | HAR     | Test Report -NO: BM/CT/15594 Concrete Compressive Strength / RW between station 0+112.8 to 0+120 RHS                                       | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 20                | TEST -15-000001-HAR-020-A | HAR     | Test Report -NO: BM/CT/15592 Concrete Compressive Strength / RW between station 0+105 to 0+112.8 RHS                                       | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 21                | TEST -15-000001-HAR-021-A | HAR     | Test Report -NO: BM/CT/15579 Concrete Compressive Strength / RW between station 0+067.5 to 0+075 RHS & 0+097.5 to 0+105 RHS                | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 22                | TEST -15-000001-HAR-022-A | HAR     | Test Report -NO: BM/CT/15568 Concrete Compressive Strength / RW between station 0+074 to 0+082 RHS & 0+090 to 0+098 RHS                    | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 23                | TEST -15-000001-HAR-023-A | HAR     | Test Report -NO: BM/CT/15551 Concrete Compressive Strength / Footing of RW between station 0+150 to 0+230 RHS                              | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 24                | TEST -15-000001-HAR-024-A | HAR     | Test Report -NO: BM/CT/15551 Concrete Compressive Strength / Footing of RW between station 0+090 to 0+152 RHS                              | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 25                | TEST -15-000001-HAR-025-A | HAR     | Test Report -NO: BM/CT/15508 Concrete Compressive Strength / Footing of RW between station 0+040 to 0+090 RHS / 28 Day                     | Comprehensive Test       | April 28, 2015 | May 28, 2015      | May 3, 2015   | 5           | A      |
| 26                | TEST -15-000001-HAR-026-A | HAR     | Test Report -NO: ST/15195 Fill Material - Loose Sample From Sta. B0+840 to B0+980 at Sta.B0+960  | Sieve Analysis           | May 10, 2015   | June 9, 2015      | May 27, 2015  | 17          | A      |
| 27                | TEST -15-000001-HAR-027-A | HAR     | Test Report -NO: ST/15197 Fill Material - Loose Sample , Second Layer Between Stations 0+480 & 0+670                                       | Sieve Analysis           | May 10, 2015   | June 9, 2015      | May 14, 2015  | 4           | A      |
| 28                | TEST -15-000001-HAR-028-A | HAR     | Test Report -NO: BM/CT/15557 Concrete Compressive Strength of RW From Sta.B0+082 to Sta.B0+090 RHS-28 Day                                  | Comprehensive Test       | May 10, 2015   | June 9, 2015      | May 14, 2015  | 4           | A      |
| 29                | TEST -15-000001-HAR-029-A | HAR     | Test Report -NO: BM/CT/15568 Concrete Compressive Strength of RW From Sta.B0+074 to Sta.B0+082 & From Sta.B0+090 to Sta.B0+098 RHS -28 Day | Comprehensive Test       | May 10, 2015   | June 9, 2015      | May 14, 2015  | 4           | A      |
| 30                | TEST -15-000001-HAR-030-A | HAR     | Test Report -NO: BM/CT/15579 Concrete Compressive Strength / RW between station 0+067.5 to 0+075 RHS & 0+097.5 to 0+105 RHS - 28 Day       | Comprehensive Test       | May 10, 2015   | June 9, 2015      | May 14, 2015  | 4           | A      |



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| 31                | TEST -15-000001-HAR-031-A | HAR     | Test Report -NO: ST/FD/15227 Density of Soil In Place (Sand Cone Method) Between Sta.B0+480 to Sta.B0+670 & From Sta.B0+860 to Sta.B0+920                  | Field Density            | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | C      |
| 32                | TEST -15-000001-HAR-031-B | HAR     | Test Report -NO: ST/FD/15227 Density of Soil In Place (Sand Cone Method) Between Sta.B0+480 to Sta.B0+670 & From Sta.B0+860 to Sta.B0+920                  | Field Density            | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 33                | TEST -15-000001-HAR-032-A | HAR     | Test Report -NO: ST/FD/15212 Density of Soil In Place (Sand Cone Method)First Layer Between Sta.B0+480 to Sta.B0+680                                       | Field Density            | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | C      |
| 34                | TEST -15-000001-HAR-032-B | HAR     | Test Report -NO: ST/FD/15212 Density of Soil In Place (Sand Cone Method)First Layer Between Sta.B0+480 to Sta.B0+680                                       | Field Density            | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 35                | TEST -15-000001-HAR-033-A | HAR     | Test Report -NO: BM/CT/15664 Concrete Compressive Strength / RW between station 0+060 to 0+067.5RHS & 0+195 to 0+202.5 RHS -7 Days                         | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 36                | TEST -15-000001-HAR-034-A | HAR     | Test Report -NO: BM/CT/15592 Concrete Compressive Strength / RW between station 0+105 to 0+112.8 RHS - 28 Day  | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 37                | TEST -15-000001-HAR-035-A | HAR     | Test Report -NO: BM/CT/15594 Concrete Compressive Strength / RW between station 0+112.8 to 0+120 RHS - 28 Day  | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 38                | TEST -15-000001-HAR-036-A | HAR     | Test Report -NO: BM/CT/15601 Concrete Compressive Strength / RW between station Sta.B0+120 to Sta.B0+127.5 & From Sta.B0+135 to Sta.B0+142.5 RHS - 28 Day  | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 39                | TEST -15-000001-HAR-037-A | HAR     | Test Report -NO: BM/CT/15652 Concrete Compressive Strength / RW between station Sta.B0+217.5 to Sta.B0+230 - 7 Days  | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 40                | TEST -15-000001-HAR-038-A | HAR     | Test Report -NO: BM/CT/15643 Concrete Compressive Strength / RW between station Sta.B0+202.5 to Sta.B0+217.5 - 7 Days                                      | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 41                | TEST -15-000001-HAR-039-A | HAR     | Test Report -NO: BM/CT/15635 Concrete Compressive Strength / RW between station Sta.B0+180 to Sta.B0+195 - 7 Days  | Comprehensive Test       | May 13, 2015   | June 12, 2015     | May 14, 2015  | 1           | A      |
| 42                | TEST -15-000001-HAR-040-A | HAR     | Test Report -NO: ST/FD/15260 Field Density Test - Fill Material / Selected Imported Material From Sta.B0+480 to Sta.B0+680 & From Sta.B0+680 to Sta.B0+710 | Sand Cone Method         | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 43                | TEST -15-000001-HAR-041-A | HAR     | Test Report -NO: ST/FD/15269 Field Density Test - Fill Materials / First Layer at Sta.B0+270 RHS   | Sand Cone Method         | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 44                | TEST -15-000001-HAR-042-A | HAR     | Test Report -NO: ST/FD/15269 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+620M  | Sand Cone Method         | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 45                | TEST -15-000001-HAR-043-A | HAR     | Test Report -NO: ST/FD/15279 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+725 RHS and From Sta.B0+940 to Sta.B0+998           | Sand Cone Method         | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | C      |



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| No.               | Submittal No.             | Project | Description   | Submittal Classification | Submitted Date | Contract Due Date | Response Date | Review Days | Status |
| 46                | TEST -15-000001-HAR-043-B | HAR     | Test Report -NO: ST/FD/15279 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+725 RHS and From Sta.B0+940 to Sta.B0+998                        | Sand Cone Method         | June 3, 2015   | July 3, 2015      | June 8, 2015  | 5           | A      |
| 47                | TEST -15-000001-HAR-044-A | HAR     | Test Report -NO: ST/15233 Selected Imported Materials / Fill Materials of Thickness 25 cm / First Layer Between Sta.B0+230 to Sta.B0+290 RHS                            | Sand Cone Method         | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 48                | TEST -15-000001-HAR-045-A | HAR     | Test Report -NO: BM/CT/15681 Concrete Compressive Strength / RW between station Sta.B0+040 to Sta.B0+060 - 7 Days   | Comprehensive Test       | May 20, 2015   | June 19, 2015     | May 21, 2015  | 1           | A      |
| 49                | TEST -15-000001-HAR-046-A | HAR     | Test Report -NO: BM/CT/15623 Concrete Compressive Strength / RW between station 0+150 to 0+157.5RHS & 0+165 to 0+172.5RHS - 28 Day                                      | Comprehensive Test       | May 20, 2015   | June 19, 2015     | May 26, 2015  | 6           | A      |
| 50                | TEST -15-000001-HAR-047-A | HAR     | Test Report -NO: BM/CT/15628 Concrete Compressive Strength / RW between station 0+157.5 to 0+165 RHS & 0+172.5 to 0+180RHS - 28 Day                                     | Comprehensive Test       | May 20, 2015   | June 19, 2015     | May 21, 2015  | 1           | A      |
| 51                | TEST -15-000001-HAR-048-A | HAR     | Test Report -NO: ST/15241 Comprehensive Test Filling Layer / Plate Sample From Sta.B0+480 Sta.B0+980  | Comprehensive Test       | May 20, 2015   | June 19, 2015     | May 21, 2015  | 1           | A      |
| 52                | TEST -15-000001-HAR-049-A | HAR     | Test Report -NO: ST/15248 Excavated Material of Segment A From Sta.A0+210 to Sta.A1+056   | Size Distribution        | May 20, 2015   | June 19, 2015     | June 17, 2015 | 28          | B      |
| 53                | TEST -15-000001-HAR-050-A | HAR     | Test Report -NO: BM/COR/15015 Water Manhole Core Strength   | Concrete Core Strength   | May 20, 2015   | June 19, 2015     | May 21, 2015  | 1           | A      |
| 54                | TEST -15-000001-HAR-051-A | HAR     | Test Report -NO: ST/FD/15285 Selected Imported Materials / Fill Materials Fourth Layer Between Sta.B0+680 to Sta.B0+710 & Second Layer Between Sta.B0+710 to Sta.B0+860 | Sand Cone Method         | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | C      |
| 55                | TEST -15-000001-HAR-051-B | HAR     | Test Report -NO: ST/FD/15285 Selected Imported Materials / Fill Materials Fourth Layer Between Sta.B0+680 to Sta.B0+710 & Second Layer Between Sta.B0+710 to Sta.B0+860 | Sand Cone Method         | June 3, 2015   | July 3, 2015      | June 8, 2015  | 5           | B      |
| 56                | TEST -15-000001-HAR-052-A | HAR     | Test Report -NO: BM/CT/15619 Concrete Compressive Strength / RW between station Sta.B0+127.5 to Sta.B0+135 & From Sta.B0+142.5 to Sta.B0+150 - 28 Days                  | Comprehensive Test       | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | A      |
| 57                | TEST -15-000001-HAR-053-A | HAR     | Test Report -NO: BM/CT/15635 Concrete Compressive Strength / RW between station Sta.B0+180 to Sta.B0+195 - 28 Days  | Comprehensive Test       | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | A      |
| 58                | TEST -15-000001-HAR-054-A | HAR     | Test Report -NO: ST/FD/15284 Selected Imported Materials / Fill Materials First Layer Between Sta.B0+940 to Sta.B0+980  | Sand Cone Method         | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | A      |
| 59                | TEST -15-000001-HAR-055-A | HAR     | Test Report -NO: ST/FD/15222 Selected Imported Materials / Fill Materials of Thickness 20 cm / Second Layer Between Sta.B0+480 to Sta.B0+710                            | Sand Cone Method         | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | A      |
| 60                | TEST -15-000001-HAR-056-A | HAR     | Test Report -NO: ST/FD/15255 Selected Imported Materials / Fill Materials of Thickness 25cm / Fourth Layer Between Sta.B0+480 to Sta.B0+680                             | Sand Cone Method         | May 24, 2015   | June 23, 2015     | May 26, 2015  | 2           | A      |



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| No.               | Submittal No.             | Project | Description   | Submittal Classification | Submitted Date | Contract Due Date | Response Date | Review Days | Status |
| 61                | TEST -15-000001-HAR-057-A | HAR     | Test Report -NO: PLT/15001 Bearing Plate Loading Test Report of Backfill Layer Between Sta.B0+710 to Sta.B0+980   | Bearing Plate            | May 24, 2015   | June 23, 2015     | June 8, 2015  | 15          | A      |
| 62                | TEST -15-000001-HAR-058-A | HAR     | Test Report -NO: BM/CT/15643 Concrete Compressive Strength / RW between station Sta.B0+202.5 to Sta.B0+217.5 - 28 Days  | Comprehensive Test       | May 26, 2015   | June 25, 2015     | June 8, 2015  | 13          | A      |
| 63                | TEST -15-000001-HAR-059-A | HAR     | Test Report -NO: ST/15262 Comprehensive Test Filling Layer / Loose Sample From Sta.B0+000 Sta.B0+980  | Bearing Plate            | May 26, 2015   | June 25, 2015     | June 8, 2015  | 13          | A      |
| 64                | TEST -15-000001-HAR-060-A | HAR     | Test Report -NO: ST/15268 Selected Fill Material / Fill Materials of Compacted thickness 25 cm between Station 0+680 to 0+710 fifth layer & From 0+940 to 0+980 third Layer | Sand Cone Method         | May 26, 2015   | June 25, 2015     | June 8, 2015  | 13          | B      |
| 65                | TEST -15-000001-HAR-061-A | HAR     | Test Report -NO: ST/ FD/15305 Selected Imported Fill Materials First Layer at Segment B From Sta.B0+040 to Sta.B0+230 RHS Behind RW of Width 4 m and Thickness 25 cm        | Sand Cone Method         | June 2, 2015   | July 2, 2015      | June 8, 2015  | 6           | A      |
| 66                | TEST -15-000001-HAR-062-A | HAR     | Test Report -NO: ST/ FD/15312 Subgrade Materials at Segment B From Sta.B0+240 to Sta.B0+400 & From Sta.B0+430 to Sta.B0+660   | Sand Cone Method         | June 2, 2015   | July 2, 2015      | June 8, 2015  | 6           | A      |
| 67                | TEST -15-000001-HAR-063-A | HAR     | Test Report -NO: BM/CT/15652 Concrete Compressive Strength / RW between station Sta.B0+217.5 to Sta.B0+230 - 28 Days  | Compressive Strength     | June 2, 2015   | July 2, 2015      | June 8, 2015  | 6           | A      |
| 68                | TEST -15-000001-HAR-064-A | HAR     | Test Report -NO: BM/CT/15681 Concrete Compressive Strength / RW between station Sta.B0+040 to Sta.B0+060 - 28 Days  | Compressive Strength     | June 2, 2015   | July 2, 2015      | June 8, 2015  | 6           | A      |
| 69                | TEST -15-000001-HAR-065-A | HAR     | Test Report -NO: BM/CT/15771 Concrete Compressive Strength / Footing of Manhole at Sta.A0+995 -7 Days   | Compressive Strength     | June 2, 2015   | July 2, 2015      | June 8, 2015  | 6           | A      |
| 70                | TEST -15-000001-HAR-066-A | HAR     | Test Report -NO: BM/CT/15781 Concrete Compressive Strength / Footing of Manhole at Sta.A0+953 WWTP Connection and Walls of Manhole at Sta.A0+995 Qelqes Connection -7 Days  | Compressive Strength     | June 3, 2015   | July 3, 2015      | June 8, 2015  | 5           | B      |
| 71                | TEST -15-000001-HAR-067-A | HAR     | Test Report -NO: ST/ FD/15319 Selected Imported Fill Materials at Segment B From Sta.B0+940 to Sta.B0+980   | Sand Cone Method         | June 3, 2015   | July 3, 2015      | June 8, 2015  | 5           | A      |
| 72                | TEST -15-000001-HAR-068-A | HAR     | Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660   | Comprehensive Test       | June 9, 2015   | July 9, 2015      | June 10, 2015 | 1           | C      |
| 73                | TEST -15-000001-HAR-068-B | HAR     | Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660   | Comprehensive Test       | June 14, 2015  | July 14, 2015     | June 17, 2015 | 3           | A      |
| 74                | TEST -15-000001-HAR-069-A | HAR     | Test Report -NO: ST/FD/15332 Sub-grade Materials-First Test and Retested Sample Between Sta.B0+070 to Sta.B0+240  | Sand Cone Method         | June 9, 2015   | July 9, 2015      | June 10, 2015 | 1           | A      |
| 75                | TEST -15-000001-HAR-070-A | HAR     | Test Report -NO: ST/15290 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+070 Sta.B0+660   | Comprehensive Test       | June 10, 2015  | July 10, 2015     | June 11, 2015 | 1           | A      |



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| 76                | TEST -15-000001-HAR-071-A | HAR     | Test Report -NO: ST/ FD/15331 Selected Imported Fill Materials at Segment B From Sta.B0+950 to Sta.B0+980   | Sand Cone Method         | June 10, 2015  | July 10, 2015     | June 11, 2015 | 1           | B      |
| 77                | TEST -15-000001-HAR-072-A | HAR     | Test Report -NO: BM/CT/15796 Concrete Compressive Strength / Walls of Manhole at Sta.A0+960 WWTP Connection and Slab of Manhole at Sta.A0+995 Qelqes Connection -7 Days | Compressive Strength     | June 10, 2015  | July 10, 2015     | June 11, 2015 | 1           | B      |
| 78                | TEST -15-000001-HAR-073-A | HAR     | Test Report -NO: ST/ FD/15360 Imported Fill Materials 11th layer at Segment B From Sta.B0+940 to Sta.B0+980   | Sand Cone Method         | June 14, 2015  | July 14, 2015     | June 17, 2015 | 3           | A      |
| 79                | TEST -15-000001-HAR-074-A | HAR     | Test Report -NO: ST/15318Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+056   | Compressive Strength     | June 25, 2015  | July 25, 2015     | June 30, 2015 | 5           | C      |
| 80                | TEST -15-000001-HAR-074-B | HAR     | Test Report -NO: ST/15318Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+057   | Compressive Strength     | July 15, 2015  | August 14, 2015   | July 22, 2015 | 7           | A      |
| 81                | TEST -15-000001-HAR-075-A | HAR     | Test Report -NO: ST/ FD/15392 and Retest Report -NO: ST/ FD/15395 of Sub-Grade layer at Segment A From Sta.A0+660 to Sta.A1+056   | Sand Cone Method         | June 25, 2015  | July 25, 2015     | June 29, 2015 | 4           | A      |
| 82                | TEST -15-000001-HAR-076-A | HAR     | Test Report -NO: ST/ FD/15359 and Retest Report -NO: ST/ FD/15367of Sub-Grade layer at Segment B From Sta.B0+660 to Sta.B0+900  | Sand Cone Method         | June 25, 2015  | July 25, 2015     | June 29, 2015 | 4           | A      |
| 83                | TEST -15-000001-HAR-077-A | HAR     | Test Report -NO: ST/15317 Modified Proctor of Sub-Grade material at segment A from sta.A0+680 TO st.A0+950  | Modified Proctor         | June 25, 2015  | July 25, 2015     | June 29, 2015 | 4           | A      |
| 84                | TEST -15-000001-HAR-078-A | HAR     | Test Report -NO: ST/15319 Modified Proctor of Sub-Grade material at segment A from sta.A0+950 TO st.A1+056  | Modified Proctor         | June 25, 2015  | July 25, 2015     | June 29, 2015 | 4           | A      |
| 85                | TEST -15-000001-HAR-079-A | HAR     | Test Report -NO: BM/CT/15812 Concrete Compressive Strength / Walls of Manhole WWTP Connection at St(A0+953) - 7Days   | Compressive Strength     | June 28, 2015  | July 28, 2015     | June 29, 2015 | 1           | A      |
| 86                | TEST -15-000001-HAR-080-A | HAR     | Test Report -NO: ST/15311Comprehensive Test Base Coarse Material / Loose Sample From StaB0+430 Sta.B0+920   | Compressive Strength     | June 28, 2015  | July 28, 2015     | June 29, 2015 | 1           | B      |
| 87                | TEST -15-000001-HAR-081-A | HAR     | Test Report -NO: ST/15331Comprehensive Test Base Coarse Material / Loose Sample From StaA0+800 Sta.A0+900.  | Compressive Strength     | June 30, 2015  | July 30, 2015     | July 14, 2015 | 14          | A      |
| 88                | TEST -15-000001-HAR-082-A | HAR     | Test Report -NO: BM/CT/15895 Concrete Compressive Strength / Footing of the RW between station A0+230 toA0+257RHS-7 Day   | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 89                | TEST -15-000001-HAR-083-A | HAR     | Test Report -NO: ST/15327Comprehensive Test Base Coarse Material / Loose Sample at segment A From Sta.A0+200 to Sta.A0+670.   | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | C      |
| 90                | TEST -15-000001-HAR-083-B | HAR     | Test Report -NO: ST/15327Comprehensive Test Base Coarse Material / Loose Sample at segment A From Sta.A0+200 to Sta.A0+670.   | Compressive Strength     | July 15, 2015  | August 14, 2015   | July 22, 2015 | 7           | A      |



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| 91                | TEST -15-000001-HAR-084-A | HAR     | Test Report -NO: ST/FD/15409 Field Density Test -1st base coarse layer beneath box culvert at segment B from Sta.B0+008 to Sta.B0+040  | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 92                | TEST -15-000001-HAR-085-A | HAR     | Test Report -NO: ST/ FD/15408 Imported Fill Materials of 17th layer at Segment B From Sta.B0+920 to Sta.B0+980.  | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 93                | TEST -15-000001-HAR-086-A | HAR     | Test Report -NO: BM/CT/15771 Concrete Compressive Strength / Footing of Qelqes connection at station (A0+995)LHS-28 Day  | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 94                | TEST -15-000001-HAR-087-A | HAR     | Test Report -NO: BM/CT/15781 Concrete Compressive Strength / Footing of WWTP connection at station (A0+953)LHS and wall of Qelqes connection at station (A0+995)LHS - 28 Day | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 95                | TEST -15-000001-HAR-088-A | HAR     | Test Report -NO: BM/CT/15796 Concrete Compressive Strength / wall of WWTP connection at station (A0+960)LHS and slab of Qelqes connection at station (A0+995)LHS - 28 Day    | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 96                | TEST -15-000001-HAR-089-A | HAR     | Test Report -NO: BM/CT/15812 Concrete Compressive Strength / wall of WWTP connection at station (A0+953)LHS-28 day   | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 97                | TEST -15-000001-HAR-090-A | HAR     | Test Report -NO: BM/CT/15892 Concrete Compressive Strength / Footing of the RW between station A0+206 to A0+230 RHS-7 Day  | Compressive Strength     | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 98                | TEST -15-000001-HAR-091-A | HAR     | Test Report -NO: ST/FD/15412 Field Density Test - 2nd base coarse layer beneath box culvert at Segment B From Sta.B0+008 to Sta.B0+040.                                      | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 12, 2015 | 7           | A      |
| 99                | TEST -15-000001-HAR-092-A | HAR     | Test Report -NO: ST/FD/15411 Field Density Test - 18th filling layer at Segment B From Sta.B0+920 to Sta.B0+981.   | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 100               | TEST -15-000001-HAR-093-A | HAR     | Test Report -NO: ST/FD/15397Field Density Test -subgrade layer at Segment A From Sta.A0+260 to Sta.A0+670.   | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 12, 2015 | 7           | A      |
| 101               | TEST -15-000001-HAR-094-A | HAR     | Test Report -NO: ST/FD/15398Field Density Test -Base of box culvert at Segment B From Sta.B0+008 to Sta.B0+040.  | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 14, 2015 | 9           | A      |
| 102               | TEST -15-000001-HAR-095-A | HAR     | Test Report -NO: ST/15326 Base coarse /compacted sample, sand equivalent at Segment B From Sta.B0+430 to Sta.B0+920.   | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 6, 2015  | 1           | A      |
| 103               | TEST -15-000001-HAR-096-A | HAR     | Test Report -NO: ST/15323 Modified Proctor of Sub-Grade layer at segment A from sta.A0+260 to st.A0+670.   | Sand Cone Method         | July 5, 2015   | August 4, 2015    | July 12, 2015 | 7           | A      |
| 104               | TEST -15-000001-HAR-097-A | HAR     | Test Report -NO: BM/CT/15915 Concrete Compressive Strength / pipe culvert outlet structure at Sta. B0+425-7 Day  | Compressive Strength     | July 7, 2015   | August 6, 2015    | July 12, 2015 | 5           | A      |
| 105               | TEST -15-000001-HAR-098-A | HAR     | Test Report -NO: ST/15343Comprehensive Test Base Coarse Material / compacted Sample at segment A From Sta.A0+600 to Sta.A0+800 and from Sta. A0+900 to Sta. A1+056.          | Compressive Strength     | July 7, 2015   | August 6, 2015    | July 14, 2015 | 7           | A      |



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| 106               | TEST -15-000001-HAR-099-A | HAR     | Test Report -NO: ST/15344 Comprehensive Test Base Coarse Material / compacted Sample/ at segment A From Sta.A0+200 to Sta. A0+600 and at segment B From Sta.B0+400 to Sta.B0+430 and from Sta. B0+900 to Sta. B0+980. | Compressive Strength     | July 7, 2015    | August 6, 2015     | July 14, 2015   | 7           | A      |
| 107               | TEST -15-000001-HAR-100-A | HAR     | Test Report -NO: BM/CT/15901 Concrete Compressive Strength / RW at segment A between Sta. A 0+204 to Sta. A 0+214 RHS - 7 Day   | Compressive Strength     | July 9, 2015    | August 8, 2015     | July 14, 2015   | 5           | A      |
| 108               | TEST -15-000001-HAR-101-A | HAR     | Test Report -NO: BM/CT/15917 Concrete Compressive Strength / RW at segment A between Sta. A 0+214 to Sta. A 0+222 RHS - 7 Day   | Compressive Strength     | July 9, 2015    | August 8, 2015     | July 14, 2015   | 5           | A      |
| 109               | TEST -15-000001-HAR-102-A | HAR     | Test Report -NO: BM/CT/15913 Concrete Compressive Strength / RW at segment A between Sta. A 0+222 to Sta. A 0+233 RHS - 7 Day   | Compressive Strength     | July 9, 2015    | August 8, 2015     | July 14, 2015   | 5           | A      |
| 110               | TEST -15-000001-HAR-103-A | HAR     | Test Report -NO: BM/CT/15927 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 7 Day   | Compressive Strength     | July 9, 2015    | August 8, 2015     | July 14, 2015   | 5           | A      |
| 111               | TEST -15-000001-HAR-104-A | HAR     | Test Report -NO: ST/FD/15438 Field Density and thicknesses Test - base coarse layer at Segment A From Sta.A0+260 to Sta.A1+056.   | Sand Cone Method         | July 12, 2015   | August 11, 2015    | July 14, 2015   | 2           | A      |
| 112               | TEST -15-000001-HAR-105-A | HAR     | Marshal Test Report -NO: AS/TBM/15227 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+650 to Sta.A1+056 .   | Compressive Strength     | July 22, 2015   | August 21, 2015    | July 23, 2015   | 1           | C      |
| 113               | TEST -15-000001-HAR-105-B | HAR     | Marshal Test Report -NO: AS/TBM/15227 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+650 to Sta.A1+056 .   | Compressive Strength     | August 18, 2015 | September 17, 2015 | August 19, 2015 | 1           | A      |
| 113               | TEST -15-000001-HAR-106-A | HAR     | Marshal Test Report -NO: AS/TBM/15226 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+270 to Sta.A0+650 .   | Compressive Strength     | July 22, 2015   | August 21, 2015    | July 23, 2015   | 1           | C      |
| 114               | TEST -15-000001-HAR-106-B | HAR     | Marshal Test Report -NO: AS/TBM/15226 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+270 to Sta.A0+650 .   | Compressive Strength     | August 18, 2015 | September 17, 2015 | August 19, 2015 | 1           | A      |
| 115               | TEST -15-000001-HAR-107-A | HAR     | Test Report -NO: BM/CT/15942 Concrete Compressive Strength / Footing of main connection at station (A0+000)LHS and and 20 cm top of water trench -7 Day   | Compressive Strength     | July 22, 2015   | August 21, 2015    | July 23, 2015   | 1           | A      |
| 116               | TEST -15-000001-HAR-108-A | HAR     | Test Report -NO: ST/FD/15413 Field Density Test - 3rd base coarse layer beneath box culvert at Segment B From Sta.B0+008 to Sta.B0+040.   | Sand Cone Method         | July 22, 2015   | August 21, 2015    | July 23, 2015   | 1           | A      |
| 117               | TEST -15-000001-HAR-109-A | HAR     | Test Report -NO: ST/15324 Modified Proctor of Base of box culvert at Segment B From Sta.B0+008 to Sta.B0+040.   | Modified Proctor         | July 22, 2015   | August 21, 2015    | July 23, 2015   | 1           | A      |
| 118               | TEST -15-000001-HAR-110-A | HAR     | Test Report -NO: BM/CT/15934 Concrete Compressive Strength / of the RW between station A0+245 toA0+257RHS-7 Day   | Compressive Strength     | July 29, 2015   | August 28, 2015    | August 11, 2015 | 13          | A      |
| 119               | TEST -15-000001-HAR-111-A | HAR     | Test Report -NO: BM/CT/15892Concrete Compressive Strength / Footing of the RW between station A0+206 toA0+230RHS-28Day  | Compressive Strength     | July 29, 2015   | August 28, 2015    | August 11, 2015 | 13          | A      |



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| 120               | TEST -15-000001-HAR-112-A | HAR     | Test Report -NO: BM/CT/15895 Concrete Compressive Strength / Footing of the RW between station A0+230 to A0+257 RHS-28Day  | Compressive Strength     | July 29, 2015      | August 28, 2015   | August 11, 2015 | 13          | A      |
| 121               | TEST -15-000001-HAR-113-A | HAR     | Test Report -NO: ST/FD/15389 Field Density Test - 14th filling layer at Segment B From Sta.B0+930 to Sta.B0+981.   | Sand Cone Method         | July 29, 2015      | August 28, 2015   | August 11, 2015 | 13          | A      |
| 122               | TEST -15-000001-HAR-114-A | HAR     | Marshal Test Report -NO: AS/TBM/15248 ,AS/TBM/15249, and AS/TBM/15250 of 3/4"hot mix asphalt 70mm binder course/plate sample 40x40cm at Segment A from Sta. A0+370 to Sta.A1+056 . | Compressive Strength     | August 3, 2015     | September 2, 2015 | August 11, 2015 | 8           | A      |
| 122               | TEST -15-000001-HAR-115-A | HAR     | Test Report -NO: AS/COR/15100 of compacted Degree(%) 3/4"asphalt binder course layer/(Thikness and compaction) at Segment A from Sta. A0+370 to Sta.A1+056 .                       | Compressive Strength     | August 3, 2015     | September 2, 2015 | August 11, 2015 | 8           | C      |
| 123               | TEST -15-000001-HAR-115-B | HAR     | Test Report -NO: AS/COR/15100 of compacted Degree(%) 3/4"asphalt binder course layer/(Thikness and compaction) at Segment A from Sta. A0+370 to Sta.A1+056 .                       | Compressive Strength     | September 22, 2015 | October 22, 2015  | October 1, 2015 | 9           | A      |
| 124               | TEST -15-000001-HAR-116-A | HAR     | Test Report -NO: BM/CT/15985 Concrete Compressive Strength of main connection walls at station (A0+000)LHS and RW footing between station B0+008 to B0+012 RHS and LHS-7 Day       | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 125               | TEST -15-000001-HAR-117-A | HAR     | Test Report -NO: BM/CT/15977 Concrete Compressive Strength of RW footing between station B0+032 to B0+042 RHS and LHS-7 Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 126               | TEST -15-000001-HAR-118-A | HAR     | Test Report -NO: BM/CT/15927 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 28Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 127               | TEST -15-000001-HAR-119-A | HAR     | Test Report -NO: BM/CT/15969 Concrete Compressive Strength / box culvert footing at segment B from Sta. 0+012 to sta. 0+032 /7days   | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 128               | TEST -15-000001-HAR-120-A | HAR     | Test Report -NO: BM/CT/15901 Concrete Compressive Strength / RW at segment A between Sta. A 0+206 to Sta. A 0+214 RHS - 28Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 129               | TEST -15-000001-HAR-121-A | HAR     | Test Report -NO: BM/CT/15917 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 28Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 130               | TEST -15-000001-HAR-122-A | HAR     | Test Report -NO: BM/CT/15913 Concrete Compressive Strength / RW at segment A between Sta. A 0+222 to Sta. A 0+233 RHS - 28Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 131               | TEST -15-000001-HAR-123-A | HAR     | Test Report -NO: BM/CT/15915 Concrete Compressive Strength / Pip Culvert footing at segment B at Sta. B 0+430 - 28Day  | Compressive Strength     | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 132               | TEST -15-000001-HAR-124-A | HAR     | Test Report -NO: ST/FD/15467 Field Density Test of subgrade layer at Segment A From Sta.A0+200 to Sta.A0+260.  | Sand Cone Method         | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |
| 133               | TEST -15-000001-HAR-125-A | HAR     | Test Report -NO: ST/15375 Modified Proctor test of subgrade layer at Segment A From Sta.A0+200 to Sta.A0+260.  | Modified Proctor         | August 5, 2015     | September 4, 2015 | August 11, 2015 | 6           | A      |



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| QC SUBMITTALS LOG |                           |         |  |                          |                    |                    |                   |             |        |
|-------------------|---------------------------|---------|--|--------------------------|--------------------|--------------------|-------------------|-------------|--------|
| No.               | Submittal No.             | Project | Description  | Submittal Classification | Submitted Date     | Contract Due Date  | Response Date     | Review Days | Status |
| 134               | TEST -15-000001-HAR-126-A | HAR     | Test Report -NO: ST/FD/15461 Field Density test of subgrade layer at Segment B From Sta.B0+900 to Sta.B0+980.  | Sand Cone Method         | August 5, 2015     | September 4, 2015  | August 11, 2015   | 6           | A      |
| 135               | TEST -15-000001-HAR-127-A | HAR     | Test Report -NO: ST/15370 Modified Proctor test of subgrade layer at Segment B From Sta.B0+900 to Sta.B0+980.  | Modified Proctor         | August 5, 2015     | September 4, 2015  | August 11, 2015   | 6           | A      |
| 136               | TEST -15-000001-HAR-128-A | HAR     | Test Report -NO: CP/15002 Three-edge test method (external load crushing strength) of 1500mm concrete sewer pipe.  | Compressive Strength     | August 10, 2015    | September 9, 2015  | August 11, 2015   | 1           | A      |
| 137               | TEST -15-000001-HAR-129-A | HAR     | Test Report -NO: BM/CT/151010 Concrete Compressive Strength of box culvert walls at segment B from Sta. 0+020 to sta. 0+032 /7days                               | Compressive Strength     | August 10, 2015    | September 9, 2015  | August 11, 2015   | 1           | A      |
| 138               | TEST -15-000001-HAR-130-A | HAR     | Test Report -NO: BM/CT/15995 Concrete Compressive Strength of box culvert walls at segment B from Sta. 0+012 to sta. 0+020 /7days                                | Compressive Strength     | August 10, 2015    | September 9, 2015  | August 11, 2015   | 1           | A      |
| 139               | TEST -15-000001-HAR-131-A | HAR     | Test Report -NO: BM/CT/15942 Concrete Compressive Strength of main connection manhole base at station (A0+000)LHS and 20cm top of water trench-28 Day            | Compressive Strength     | August 10, 2015    | September 9, 2015  | August 11, 2015   | 1           | A      |
| 140               | TEST -15-000001-HAR-132-A | HAR     | Test Report -NO: BM/CT/15934 Concrete Compressive / RW at segment A between Sta. A 0+245 to Sta. A 0+257 RHS -28 Day   | Compressive Strength     | August 10, 2015    | September 9, 2015  | August 11, 2015   | 1           | A      |
| 141               | TEST -15-000001-HAR-133-A | HAR     | Test Report -NO: AS/COR/15117 of compacted Degree (%) 3/4" asphalt binder course layer/ (Thickness and compaction) at Segment A at Sta. A0+960 LHS (Retest).     | Compressive Strength     | August 18, 2015    | September 17, 2015 | August 19, 2015   | 1           | A      |
| 142               | TEST -15-000001-HAR-134-A | HAR     | Marshal Test Report -NO: AS/TBM/15270 of 3/4" hot mix asphalt 70mm binder course/loose sample at Segment B from Sta. B0+240 to Sta.B0+460 .                      | Compressive Strength     | August 18, 2015    | September 17, 2015 | September 2, 2015 | 15          | C      |
| 142               | TEST -15-000001-HAR-134-B | HAR     | Marshal Test Report -NO: AS/TBM/15270 of 3/4" hot mix asphalt 70mm binder course/loose sample at Segment B from Sta. B0+240 to Sta.B0+460 .                      | Compressive Strength     | September 22, 2015 | October 22, 2015   | October 1, 2015   | 9           | A      |
| 143               | TEST -15-000001-HAR-135-A | HAR     | Test Report -NO: BM/CT/151034 Concrete Compressive Strength of pipe culvert footing at Sta. B0+920 and RW between Sta. B0+042 to Sta. B0+050 at segment B - 7Day | Compressive Strength     | August 23, 2015    | September 22, 2015 | August 26, 2015   | 3           | A      |
| 144               | TEST -15-000001-HAR-136-A | HAR     | Test Report -NO: BM/CT/151035 Concrete Compressive Strength of manholes MH(01) and MH(02) footing at segment B - 7Day  | Compressive Strength     | August 23, 2015    | September 22, 2015 | August 26, 2015   | 3           | A      |
| 145               | TEST -15-000001-HAR-137-A | HAR     | Test Report -NO: BM/CT/151073 Concrete Compressive Strength of box culvert slab between station (0 +012 - 0+032) at segment B - 7Day                             | Compressive Strength     | August 25, 2015    | September 24, 2015 | August 26, 2015   | 1           | A      |
| 146               | TEST -15-000001-HAR-138-A | HAR     | Test Report -NO: BM/CT/15977 Concrete Compressive Strength of footing of the retaining wall between station (0+032 - 0+042) RHS & LHS / segment B - 28Day        | Compressive Strength     | August 25, 2015    | September 24, 2015 | August 26, 2015   | 1           | A      |
| 147               | TEST -15-000001-HAR-139-A | HAR     | Test Report -NO: ST/15331 Comprehensive Test Base Coarse Material at segment A From Sta.A0+800 to Sta. A0+900 .  | Comprehensive test       | August 25, 2015    | September 24, 2015 | August 26, 2015   | 1           | A      |



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| QC SUBMITTALS LOG |                           |         |  |                          |                    |                    |                    |             |        |
|-------------------|---------------------------|---------|--|--------------------------|--------------------|--------------------|--------------------|-------------|--------|
| No.               | Submittal No.             | Project | Description  | Submittal Classification | Submitted Date     | Contract Due Date  | Response Date      | Review Days | Status |
| 148               | TEST -15-000001-HAR-140-A | HAR     | Test Report -NO: ST/FD/15493 Field Density Test - base coarse layer at segment B from Sta.B0+800 to Sta.B0+980.  | Sand Cone Method         | August 25, 2015    | September 24, 2015 | August 26, 2015    | 1           | C      |
| 148               | TEST -15-000001-HAR-140-B | HAR     | Test Report -NO: ST/FD/15493 Field Density Test - base coarse layer at segment B from Sta.B0+800 to Sta.B0+980.  | Sand Cone Method         | September 22, 2015 | October 22, 2015   |                    |             | P      |
| 149               | TEST -15-000001-HAR-141-A | HAR     | Test Report -NO: ST/15344 Comprehensive Test Base Coarse Material at segment A From Sta.A0+190 to Sta. A0+260 .  | Comprehensive test       | August 25, 2015    | September 24, 2015 | August 26, 2015    | 1           | A      |
| 150               | TEST -15-000001-HAR-142-A | HAR     | Test Report -NO: ST/FD/15546 Field Density Test - base coarse layer at segment A from Sta.A0+200 to Sta.A0+360.  | Sand Cone Method         | August 31, 2015    | September 30, 2015 | September 2, 2015  | 2           | A      |
| 151               | TEST -15-000001-HAR-143-A | HAR     | Test Report -NO: BM/COR/15026 Concrete Core Strength of 1500mm concrete sewer pipe at segment B from Sta.S0-019 to MH (14).  | Core test                | August 31, 2015    | September 30, 2015 | September 2, 2015  | 2           | A      |
| 152               | TEST -15-000001-HAR-144-A | HAR     | Test Report -NO: BM/COR/15005 Absorption of 1500mm concrete sewer pipe at segment B from Sta.S0-019 to MH (14).  | Absorption test          | August 31, 2015    | September 30, 2015 | September 2, 2015  | 2           | A      |
| 153               | TEST -15-000001-HAR-145-A | HAR     | Tack coat (RC) spreading Rate test report NO.AS/15284 from Sta.A0+000to Sta. A0+200 at segment A.  | spreading Rate test      | September 2, 2015  | October 2, 2015    | September 2, 2015  | 0           | A      |
| 154               | TEST -15-000001-HAR-146-A | HAR     | Marshal Test Report -NO: AS/TBM/15290 of 3/4"hot mix asphalt 50mm wearing course/loose sample at Segment A from Sta. A0-020 to Sta.A0+200  | Marshal Tes              | September 2, 2015  | October 2, 2015    | September 3, 2015  | 1           | A      |
| 155               | TEST -15-000001-HAR-147-A | HAR     | Marshal Test Report -NO: AS/TBM/15289 of 3/4"hot mix asphalt 70mm binder course/loose sample at Segment A from Sta. A0+200 to Sta.A0+360.  | Marshal Tes              | September 2, 2015  | October 2, 2015    | September 3, 2015  | 1           | A      |
| 156               | TEST -15-000001-HAR-148-A | HAR     | Test Report -NO: TFD/15-254 Field density of base course layer from station B0+240 to station B0+981.  | Sand Cone Method         | September 7, 2015  | October 7, 2015    |                    |             | P      |
| 157               | TEST -15-000001-HAR-149-A | HAR     | Field density and proctor test report NO: ST/FD/15579 and NO: ST/15456.from station B0+000 to station B0+070.  | Field density            | September 17, 2015 | October 17, 2015   | September 20, 2015 | 3           | A      |
| 158               | TEST -15-000001-HAR-150-A | HAR     | Loose sample base course material /Test report NO: ST/15453. From station B0+000 to station B0+070 and from station B0+900 to station B0+980 and access at station A0+220LHS.  | Sand Cone Method         | September 17, 2015 | October 17, 2015   | September 20, 2015 | 3           | A      |
| 159               | TEST -15-000001-HAR-151-A | HAR     | Test Report -NO: BM/CT/151156, BM/CT/151138, BM/CT/151113 and BM/CT/151105, Concrete Compressive Strength of sewer manhole Base MH(06), MH (07), MH(08), MH(10), MH(11) and MH(12) at segment B - 7Day                 | Compressive Strength     | September 17, 2015 | October 17, 2015   | September 20, 2015 | 3           | A      |
| 160               | TEST -15-000001-HAR-152-A | HAR     | Test Report -NO: BM/CT/151103, BM/CT/151114, BM/CT/151112, BM/CT/151176, and BM/CT/151163, Concrete Compressive Strength of sewer manhole Walls MH(01), MH (02), MH(04), MH(07), MH(08) and MH(10) at segment B - 7Day | Compressive Strength     | September 17, 2015 | October 17, 2015   | September 20, 2015 | 3           | A      |
| 161               | TEST -15-000001-HAR-153-A | HAR     | Compaction degree of 3/4" wearing 50 mm layer .Test report NO: AS/COR/15133. From station A0-020 to station A0+200   | Compressive Strength     | September 17, 2015 | October 17, 2015   | September 20, 2015 | 3           | A      |



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| QC SUBMITTALS LOG |                           |         |  |                          |                    |                   |                    |             |        |
|-------------------|---------------------------|---------|--|--------------------------|--------------------|-------------------|--------------------|-------------|--------|
| No.               | Submittal No.             | Project | Description  | Submittal Classification | Submitted Date     | Contract Due Date | Response Date      | Review Days | Status |
| 162               | TEST -15-000001-HAR-154-A | HAR     | Compaction degree of ¾" binder 70 mm layer .Test report NO: AS/COR/15134. From station A0+200 to station A0+360.   | Compressive Strength     | September 17, 2015 | October 17, 2015  | September 20, 2015 | 3           | A      |
| 163               | TEST -15-000001-HAR-155-A | HAR     | Field Density of base course layer. Test report NO: ST/FD/15578. From station B0+900 to station B0+983 and at station A0+220 LHS   | Compressive Strength     | September 17, 2015 | October 17, 2015  | September 20, 2015 | 3           | A      |
| 164               | TEST -15-000001-HAR-156-A | HAR     | Loose sample/marshal Test report NO: AS/TBM/15289.of ¾" hot mix asphalt for 70 mm binder layer from station A0+200 to station A0+360.  | Compressive Strength     | September 17, 2015 | October 17, 2015  | September 20, 2015 | 3           | A      |
| 165               | TEST -15-000001-HAR-157-A | HAR     | Loose sample/marshal Test report NO: AS/TBM/15290.of ¾" hot mix asphalt for 50 mm wearing layer from station A0-020 to station A0+200 and at station A0+000 intersection.  | Compressive Strength     | September 17, 2015 | October 17, 2015  | September 20, 2015 | 3           | A      |
| 166               | TEST -15-000001-HAR-158-A | HAR     | Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15299. from station B0+740 to station B0+900.  | Compressive Strength     | September 17, 2015 | October 17, 2015  | September 22, 2015 | 5           | A      |
| 167               | TEST -15-000001-HAR-159-A | HAR     | Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15283. from station B0+460 to station B0+740.  | Compressive Strength     | September 22, 2015 | October 22, 2015  | September 22, 2015 | 0           | C      |
| 168               | TEST -15-000001-HAR-160-A | HAR     | Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15282. from station B0+240 to station B0+460.  | Compressive Strength     | September 22, 2015 | October 22, 2015  | September 22, 2015 | 0           | A      |
| 169               | TEST -15-000001-HAR-161-A | HAR     | Test Report -NO: BM/CT/151080, BM/CT/151126, and BM/CT/151054, Concrete Compressive Strength of retaining walls between stations(0+008 – 0+012) RHS ,(0+032-0+040) LHS and (0+030-0+040) RHS at segment B - 28Day. | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 170               | TEST -15-000001-HAR-162-A | HAR     | Test Report -NO: BM/CT/151035, and BM/CT/151057, Concrete Compressive Strength of footing of manholes from MH (01) to MH(05) at segment B - 28Day.   | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 171               | TEST -15-000001-HAR-163-A | HAR     | Test Report -NO: BM/CT/151018 slab of manhole at station (0+000) and wall of the culvert (out let ) at station (0+920) at segment B - 28Day.   | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 172               | TEST -15-000001-HAR-164-A | HAR     | Test Report -NO: BM/CT/151034 footing pipe culvert at station (0+920) and retaining wall between station (0+042 - 0+050) at segment B - 28Day.   | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 173               | TEST -15-000001-HAR-165-A | HAR     | Test Report -NO: BM/CT/151010 box culvert wall between stations (0+020 – 0+032)at segment B - 28Day.   | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 174               | TEST -15-000001-HAR-166-A | HAR     | Test Report -NO: BM/CT/151017 box culvert / internal walls between stations (0+012 – 0+030) at segment B - 28Day.  | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 175               | TEST -15-000001-HAR-167-A | HAR     | Test Report -NO: BM/CT/151144 box culvert / parapet between stations (0+012 – 0+032) LHS at segment B - 7Day.  | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |
| 176               | TEST -15-000001-HAR-168-A | HAR     | Test Report -NO: BM/CT/151073 box culvert slab between stations (0+012 – 0+032) LHS at segment B - 28Day.  | Compressive Strength     | September 29, 2015 | October 29, 2015  |                    |             | P      |



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| QC SUBMITTALS LOG |                           |         |   |                          |                    |                   |               |             |        |
|-------------------|---------------------------|---------|---|--------------------------|--------------------|-------------------|---------------|-------------|--------|
| No.               | Submittal No.             | Project | Description   | Submittal Classification | Submitted Date     | Contract Due Date | Response Date | Review Days | Status |
| 177               | TEST -15-000001-HAR-169-A | HAR     | Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15264 Hebron WWTP Access Road Between Stations (0+460 to 0+900) at segment B & Access Road at station 0+440 LHS. | Compressive Strength     | September 30, 2015 | October 30, 2015  |               |             | P      |
| 178               | TEST -15-000001-HAR-170-A | HAR     | Field Density of Base Course Layer /Test Report -NO: ST/FD/15581 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B.                            | Compressive Strength     | September 30, 2015 | October 30, 2015  |               |             | P      |
| 179               | TEST -15-000001-HAR-171-A | HAR     | Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15321 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B & Access Road at station 0+220 LHS. | Compressive Strength     | September 30, 2015 | October 30, 2015  |               |             | P      |
| 180               | TEST -15-000001-HAR-172-A | HAR     | Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15320 Hebron WWTP Access Road Between Stations (0+455 to 0+740) at segment B.                                    | Compressive Strength     | September 30, 2015 | October 30, 2015  |               |             | P      |
| 181               | TEST -15-000001-HAR-173-A | HAR     | Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15319 Hebron WWTP Access Road Between Stations (0+900 to 0+981) at segment B.                                    | Compressive Strength     | September 30, 2015 | October 30, 2015  |               |             | P      |



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**WEST BANK/GAZA**

# Annex E:

## RFI's Log for the Reporting Period



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-13-00002**  
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| REQUEST FOR INFORMATION LOG |                       |         |  |                   |                   |                  |             |                                   |
|-----------------------------|-----------------------|---------|--|-------------------|-------------------|------------------|-------------|-----------------------------------|
| No.                         | RFI No.               | Project | Description  | Submitted Date    | Contract Due Date | Response Date    | Review Days | Remarks                           |
| 1                           | RFI-HAR-15-000001-001 | HAR     | Replacement of the Sewer Concrete Pipes(RCP) 1500mm by Corrugated HDPE Pipes 1500mm        | January 11, 2015  | February 11, 2015 | February 8, 2015 | 28          | Provide Supplementary Information |
| 2                           | RFI-HAR-15-000001-002 | HAR     | Substitution New Jersey Barriers with Steel Mini Guard                                     | January 14, 2015  | February 13, 2015 | January 18, 2015 | 4           |                                   |
| 3                           | RFI-HAR-15-000001-003 | HAR     | Flow control valve and related valves of QEIQES service connection chamber                 | February 10, 2015 | March 10, 2015    | March 5, 2015    | 23          |                                   |
| 4                           | RFI-HAR-15-000001-004 | HAR     | Replacement of Reinforced Concrete Sewer Pipes (RCP) 1500mm by Steel Reinforced HDPE Pipes | February 19, 2015 | March 19, 2015    | March 1, 2015    | 10          | Not Acceptable                    |
| 5                           | RFI-HAR-15-000001-005 | HAR     | Replacement of the Sewer Concrete Pipes (RCP) 1500 mm by Corrugated HDPE Pipes 1500 mm     | March 8, 2015     | April 8, 2015     | March 10, 2015   | 2           | Not Acceptable                    |
| 6                           | RFI-HAR-15-000001-006 | HAR     | Mechanical detail for replacement of existing chamber                                      | May 28, 2015      | June 28, 2015     | June 8, 2015     | 11          | Provide as specified on sheet P&P |
|                             |                       |         |  |                   |                   |                  |             |                                   |
|                             |                       |         |  |                   |                   |                  |             |                                   |
|                             |                       |         |  |                   |                   |                  |             |                                   |
|                             |                       |         |  |                   |                   |                  |             |                                   |



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# Annex F:

## Payments Log



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-00-13-00002**  
**TASK ORDER NO. AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Last Update: September 30, 2015

| PROGRESS PAYMENT LOG |                       |           |                 |                   |                   |                  |                     |                    |                           |               |
|----------------------|-----------------------|-----------|-----------------|-------------------|-------------------|------------------|---------------------|--------------------|---------------------------|---------------|
| No.                  | Payment No.           | TO No.    | Invoiced Amount | Cumulative Amount | Task Order Amount | Remaining Amount | Date Received by BV | Date Sent to USAID | Review Period (Work Days) | COR           |
| 1                    | Pay-15-000001-HAR-001 | 15-000001 | \$ 93,284.00    | \$ 93,284.00      | \$ 2,598,705.00   | \$ 2,505,421.00  | February 17, 2015   | February 18, 2015  | 1                         | Kamal Kasbary |
| 2                    | Pay-15-000001-HAR-002 | 15-000001 | \$ 188,519.77   | \$ 281,803.77     | \$ 2,598,705.00   | \$ 2,316,901.23  | April 15, 2015      | April 16, 2015     | 1                         | Kamal Kasbary |
| 3                    | Pay-15-000001-HAR-003 | 15-000001 | \$ 198,641.05   | \$ 480,444.82     | \$ 2,598,705.00   | \$ 2,118,260.18  | May 31, 2015        | May 31, 2015       | 0                         | Kamal Kasbary |
| 4                    | Pay-15-000001-HAR-004 | 15-000001 | \$ 242,750.29   | \$ 723,195.11     | \$ 2,598,705.00   | \$ 1,875,509.89  | July 15, 2015       | July 15, 2015      | 0                         | Kamal Kasbary |
| 5                    | Pay-15-000001-HAR-005 | 15-000001 | \$ 634,622.04   | \$ 1,357,817.15   | \$ 2,598,705.00   | \$ 1,240,887.85  | August 17, 2015     | August 20, 2015    | 3                         | Kamal Kasbary |
| 6                    | Pay-15-000001-HAR-006 | 15-000001 | \$ 403,872.13   | \$ 1,761,689.28   | \$ 2,598,705.00   | \$ 837,015.72    | September 3, 2015   | September 8, 2015  | 5                         | Kamal Kasbary |



# Annex G:

## Transmittal Log



**USAID WEST BANK/ GAZA**  
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**CONTRACT NO.AID-294-I-13-00002**  
**TASK ORDER NO.AID-294-TO-15-000001**  
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**INCOMING EMAILS LOG**

| No. | DCN No.                | Subject   | From (Author)     | Organization        | To (Recipient)     | Organization | Sent Date         |
|-----|------------------------|---|-------------------|---------------------|--------------------|--------------|-------------------|
| 1   | Email-15-01-SAK-IN-001 | NTP under Task Order AID-294-TO-15-000001 & site hand over                    | Shahrazad         | BV                  | Jawdat Al Khoudary | SAK          | December 17, 2014 |
| 2   | Email-15-01-SAK-IN-002 | TO 15-000001 HAR : Introductory Meeting _Agenda                               | Monther Ramadan   | BV                  | Jawdat Al Khoudary | SAK          | December 21, 2014 |
| 3   | Email-15-01-SAK-IN-003 | Site Hand Over  | Monther Ramadan   | BV                  | Jawdat Al Khoudary | SAK          | December 21, 2014 |
| 4   | Email-15-01-SAK-IN-004 | Draft Introductory Meeting Memo   | Monther Ramadan   | BV                  | Jawdat Al Khoudary | SAK          | January 6, 2015   |
| 5   | Email-15-01-SAK-IN-005 | Key Personnel Approval under TO 15  | Eric Strong       | USAID               | Jawdat Al Khoudary | SAK          | January 15, 2015  |
| 6   | Email-15-01-SAK-IN-006 | Bi- Weekly Progress Meeting 1   | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | January 19, 2015  |
| 7   | Email-15-01-SAK-IN-007 | TO 15 000001 HAR: Project Mobilization  | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | January 19, 2015  |
| 8   | Email-15-01-SAK-IN-008 | TO 15-00001 HAR: Progress Meeting #002_Agenda                                 | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | February 8, 2015  |
| 9   | Email-15-01-SAK-IN-009 | Re: TO 15-01 HAR: Flayer  | Kamal Kasbary     | USAID               | Samir Al Khaldi    | SAK          | February 13, 2015 |
| 10  | Email-15-01-SAK-IN-010 | TO 15-01 HAR: Original CPM schedule Meeting                                   | Monther Ramadan   | BV                  | Muwafaq            | SAK          | February 22, 2015 |
| 11  | Email-15-01-SAK-IN-011 | TO 15-000001 HAR: Progress Meeting #003_Agenda                                | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | February 22, 2015 |
| 12  | Email-15-01-SAK-IN-012 | TO 15-000001 HAR: Draft MOM No. 003   | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | February 25, 2015 |
| 13  | Email-15-01-SAK-IN-013 | Re: TO 15 000001 HAR : Comments on Contractor's Monthly Report - January 2015 | Kamal Kasbary     | USAID               | Muwafaq Abu Zeineh | SAK          | March 5, 2015     |
| 14  | Email-15-01-SAK-IN-014 | TO 15-00001 HAR: Progress Meeting #004_Agenda                                 | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | March 8, 2015     |
| 15  | Email-15-01-SAK-IN-015 | TO 15-000001 HAR: Draft MOM No. 004   | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | March 15, 2015    |
| 16  | Email-15-01-SAK-IN-016 | TO 15-00001 HAR: Progress Meeting #005_Agenda                                 | Monther Ramadan   | BV                  | Samir Al Khaldi    | SAK          | March 22, 2015    |
| 17  | Email-15-01-SAK-IN-017 | RE: TO 15-01 HAR: 1500 Sewer Manhole Pipes                                    | Derar Shkarneh    | Al Manaseer Company | Muwafaq Abu Zeineh | SAK          | March 22, 2015    |
| 18  | Email-15-01-SAK-IN-018 | TO 15 000001 HAR : Comments on Contractor's Monthly Report - February 2015    | Kamal Kasbary     | USAID               | Muwafaq Abu Zeineh | SAK          | March 24, 2015    |
| 19  | Email-15-01-SAK-IN-019 | TO 15-000001 HAR: Final MOM No. 005   | Manal Mohammadein | BV                  | Sameer Al Khaldi   | SAK          | March 29, 2015    |



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| No. | DCN No.                | Subject  | From (Author)   | Organization | To (Recipient)               | Organization | Sent Date      |
|-----|------------------------|--|-----------------|--------------|------------------------------|--------------|----------------|
| 20  | Email-15-01-SAK-IN-020 | Re: TO 15 000001 HAR : Comments on Contractor's Monthly Report - February 2015           | Kamal Kasbary   | USAID        | Muwafaq Abu Zeineh           | SAK          | April 1, 2015  |
| 21  | Email-15-01-SAK-IN-021 | TO 15 000001 HAR: Safety Inspection Checklist  | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 2, 2015  |
| 22  | Email-15-01-SAK-IN-022 | TO 15-000001 HAR: Progress Meeting #006 _Agenda  | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 2, 2015  |
| 23  | Email-15-01-SAK-IN-023 | TO 15 000001 HAR: Safety Inspection Checklist  | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 2, 2015  |
| 24  | Email-15-01-SAK-IN-024 | Re: TO 15 000001 HAR : Comments on Contractor's Monthly Report - February 2015           | Kamal Kasbary   | USAID        | Muwafaq Abu Zeineh           | SAK          | April 7, 2015  |
| 25  | Email-15-01-SAK-IN-025 | TO 15-000001 HAR: Final MOM No. 006  | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 13, 2015 |
| 26  | Email-15-01-SAK-IN-026 | TO 15-000001 HAR: Office Needs   | Wafa Amro       | BV           | Muna Al Shaer                | SAK          | April 13, 2015 |
| 27  | Email-15-01-SAK-IN-027 | TO#15-01-HAR : Geo-MIS Data Audit Meeting  | Hakam Al Nazer  | BV           | Muna Al Shaer                | SAK          | April 15, 2015 |
| 28  | Email-15-01-SAK-IN-028 | Re: TO 15 000001 HAR : Comments on Contractor's Monthly Report - March 2015              | Kamal Kasbary   | USAID        | Muwafaq Abu Zeineh           | SAK          | April 17, 2015 |
| 29  | Email-15-01-SAK-IN-029 | TO 15-000001 HAR: Environmental Checklist  | Wafa Amro       | BV           | Muna Al Shaer                | SAK          | April 19, 2015 |
| 30  | Email-15-01-SAK-IN-030 | TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A                          | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 20, 2015 |
| 31  | Email-15-01-SAK-IN-031 | TO 15 000001 HAR : AS Built Drawings   | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 20, 2015 |
| 32  | Email-15-01-SAK-IN-032 | TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A                          | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 20, 2015 |
| 33  | Email-15-01-SAK-IN-033 | RE: TO#15-01-HAR : Geo-MIS Data Audit Meeting  | Hakam Al Nazer  | BV           | Muna Al Shaer                | SAK          | April 23, 2015 |
| 34  | Email-15-01-SAK-IN-034 | TO 15-000001 HAR: Final MOM No. 007  | Monther Ramadan | BV           | Samir Al Khaldi              | SAK          | April 27, 2015 |
| 35  | Email-15-01-SAK-IN-035 | TO 15-000001 HAR: Progress Meeting #008- Agenda  | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi | USAID & SAK  | May 2, 2015    |
| 36  | Email-15-01-SAK-IN-036 | TO 15-000001 HAR: Water Chamber Excavation Protection                                    | Monther Ramadan | BV           | Samir Khaldi                 | SAK          | May 3, 2015    |
| 37  | Email-15-01-SAK-IN-037 | TO 15 000001 HAR : For Construction Copies   | Monther Ramadan | BV           | Samir Khaldi                 | SAK          | May 5, 2015    |
| 38  | Email-15-01-SAK-IN-038 | TO 15 000001 HAR : Modified Road Alignment Section from sta. A0+777.91 to sta. A0+925.17 | Monther Ramadan | BV           | Samir Khaldi                 | SAK          | May 5, 2015    |



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|-----|------------------------|--|-----------------|--------------|---|--------------|--------------|
| 39  | Email-15-01-SAK-IN-039 | TO 15-000001 HAR: Draft MOM No. 008  | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                      | USAID & SAK  | May 6, 2015  |
| 40  | Email-15-01-SAK-IN-040 | RE: TO 15 000001 HAR : For Construction Copies                                 | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 6, 2015  |
| 41  | Email-15-01-SAK-IN-041 | TO 15-000001 HAR: Final MOM No.008   | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                      | USAID & SAK  | May 10, 2015 |
| 42  | Email-15-01-SAK-IN-042 | TO 15 000001 HAR : As Built Drawing  | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 12, 2015 |
| 43  | Email-15-01-SAK-IN-043 | TO 15 000001 HAR : Un Closed Submittals  | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 12, 2015 |
| 44  | Email-15-01-SAK-IN-044 | TO 15 000001 HAR: QC Plan for the 1,500 mm Pipes Manufacturing                 | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 13, 2015 |
| 45  | Email-15-01-SAK-IN-045 | TO 15 000001 HAR : Progress Meeting # 009 Agenda                               | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                      | USAID & SAK  | May 16, 2015 |
| 46  | Email-15-01-SAK-IN-046 | TO 15 000001 HAR : Un Closed Submittals  | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 19, 2015 |
| 47  | Email-15-01-SAK-IN-047 | TO 15 000001 HAR: Landowner Obstruction Resolved                               | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 20, 2015 |
| 48  | Email-15-01-SAK-IN-048 | TO 15-000001 HAR: Draft MOM No. 009  | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                      | USAID & SAK  | May 20, 2015 |
| 49  | Email-15-01-SAK-IN-049 | Task Order #15-00001, Safety Tool Box Meeting.                                 | Kamal Kasbary   | USAID        | Samir Khaldi                                      | SAK          | May 22, 2015 |
| 50  | Email-15-01-SAK-IN-050 | Fwd: TO 15 000001 HAR : Comments on Contractor's Monthly Report - April 2015   | Kamal Kasbary   | USAID        | Muwafaq Abu Zeinah                                | SAK          | May 22, 2015 |
| 51  | Email-15-01-SAK-IN-051 | TO 15 000001 HAR : Water Chamber Construction                                  | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 24, 2015 |
| 52  | Email-15-01-SAK-IN-052 | TO 15-000001 HAR: Final MOM No.009   | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                      | USAID & SAK  | May 24, 2015 |
| 53  | Email-15-01-SAK-IN-053 | TO 15 000001 HAR : Dust Mitigation Measures                                    | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 25, 2015 |
| 54  | Email-15-01-SAK-IN-054 | TO 15 000001 HAR : Sewer Pipes Manufacturing and Delivery Updates              | Monther Ramadan | BV           | Samir Khaldi                                      | SAK          | May 27, 2015 |
| 55  | Email-15-01-SAK-IN-055 | TO 15-000001 HAR: Delivered Base Course Material From Sta.B0+420 to Sta.B0+660 | Karim Husary    | BV           | Kamal Kasbary & Monther Ramadan & Samir Al Khaldi | USAID & SAK  | June 1, 2015 |
| 56  | Email-15-01-SAK-IN-056 | TO 15-000001 HAR: Draft Mom No .010  | Monther Ramadan | BV           | Kamal Kasbary & Samir Al Khaldi                   | USAID & SAK  | June 3, 2015 |
| 57  | Email-15-01-SAK-IN-057 | TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates             | Monther Ramadan | BV           | Samir Al Khaldi                                   | SAK          | June 7, 2015 |



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|-----|------------------------|---|----------------------|--------------|--------------------------------|--------------|---------------|
| 58  | Email-15-01-SAK-IN-058 | TO 15 000001 HAR :Un closed Submittals                                    | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 7, 2015  |
| 59  | Email-15-01-SAK-IN-059 | TO 15 000001 HAR :For Construction Copies                                 | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 7, 2015  |
| 60  | Email-15-01-SAK-IN-060 | TO 15-000001 HAR: Final MOM No .010                                       | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 8, 2015  |
| 61  | Email-15-01-SAK-IN-061 | RESENDING :Task Order 14-00002 & 15-000001 Site Visit                     | Shahrazad Al Ayaydah | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 8, 2015  |
| 62  | Email-15-01-SAK-IN-062 | TO 15-00001 HAR :Variation order #01 –Part 1 of 2                         | Shahrazad Al Ayaydah | BV           | Saleem Tafesh                  | SAK          | June 8, 2015  |
| 63  | Email-15-01-SAK-IN-063 | RE: TO 15-00001 HAR :Variation order #01 –Part 2 of 2                     | Shahrazad Al Ayaydah | BV           | Saleem Tafesh                  | SAK          | June 8, 2015  |
| 64  | Email-15-01-SAK-IN-064 | TO 15-00001 HAR :Relocation of Olive Trees                                | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 9, 2015  |
| 65  | Email-15-01-SAK-IN-065 | TO 15 000001 HAR :Safety Toll Box Meeting for June 2015                   | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 10, 2015 |
| 66  | Email-15-01-SAK-IN-066 | TO 15 000001 HAR :Progress Meeting #011 Agenda                            | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 11, 2015 |
| 67  | Email-15-01-SAK-IN-067 | RE:TO 15 000001 HAR :Progress Meeting #011 Agenda                         | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 14, 2015 |
| 68  | Email-15-01-SAK-IN-068 | TO 15-000001 HAR: Draft MOM No .011                                       | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 17, 2015 |
| 69  | Email-15-01-SAK-IN-069 | TO 15-000001 HAR: Final MOM No .011                                       | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 21, 2015 |
| 70  | Email-15-01-SAK-IN-070 | RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015  | Kamal Kasbary        | USAID        | Muwafaq Abu Zeineh             | SAK          | June 22, 2015 |
| 71  | Email-15-01-SAK-IN-071 | RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015  | Kamal Kasbary        | USAID        | Muwafaq Abu Zeineh             | SAK          | June 24, 2015 |
| 72  | Email-15-01-SAK-IN-072 | TO 15 000001 HAR :Progress Meeting #012 Agenda                            | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 24, 2015 |
| 73  | Email-15-01-SAK-IN-073 | TO 15 000001 HAR :Concrete Screed Over Pipe Crossings                     | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 25, 2015 |
| 74  | Email-15-01-SAK-IN-074 | TO 15 000001 HAR :Un closed Submittals                                    | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 28, 2015 |
| 75  | Email-15-01-SAK-IN-075 | TO 15 000001 HAR :For Construction Copies                                 | Monther Ramadan      | BV           | Samir Al Khaldi                | SAK          | June 28, 2015 |
| 76  | Email-15-01-SAK-IN-076 | TO 15 000001 HAR :Concrete Screed Over Pipeline Trench (A0+000 to A0+200) | Monther Ramadan      | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 28, 2015 |



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| No. | DCN No.                | Subject   | From (Author)   | Organization | To (Recipient)                 | Organization | Sent Date     |
|-----|------------------------|---|-----------------|--------------|--------------------------------|--------------|---------------|
| 77  | Email-15-01-SAK-IN-077 | TO 15 000001 HAR :Concrete Screed Over Pipeline Trench (A0+000 to A0+200)                               | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | June 29, 2015 |
| 78  | Email-15-01-SAK-IN-078 | TO 15 000001 HAR :Draft MOM No.012  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 1, 2015  |
| 79  | Email-15-01-SAK-IN-079 | RE:TO 15 000001 HAR: Work Stoppage at the construction of Box Culvert at St. B0+030.                    | Adnan Safi      | BV           | Saleem Tafesh                  | SAK          | July 4, 2015  |
| 80  | Email-15-01-SAK-IN-080 | TO 15 000001 HAR :Final MOM No.012  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 6, 2015  |
| 81  | Email-15-01-SAK-IN-081 | TO 15 000001 HAR :Project Key Staff   | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 6, 2015  |
| 82  | Email-15-01-SAK-IN-082 | TO 15 000001 HAR :Progress Meeting No 012 Follow Up.  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 6, 2015  |
| 83  | Email-15-01-SAK-IN-083 | RE:TASK ORDER NO : AID-294-TO-15-000001(Partial Payment Request – Payment No.04)                        | Kamal Kasbary   | USAID        | Saleem Tafesh                  | SAK          | July 7, 2015  |
| 84  | Email-15-01-SAK-IN-084 | TO 15 000001 HAR :Safety Tool Box Meeting   | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 8, 2015  |
| 85  | Email-15-01-SAK-IN-085 | TO 15 000001 HAR :Concrete Sewer Pipes Certificates.  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 8, 2015  |
| 86  | Email-15-01-SAK-IN-086 | TO 15 000001 HAR :Progress Meeting #013 Agenda.   | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 8, 2015  |
| 87  | Email-15-01-SAK-IN-087 | TO- 15- 000001 HAR:Work Plan for Eid Holiday.   | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 8, 2015  |
| 88  | Email-15-01-SAK-IN-088 | TO- 15- 000001 HAR:Work Progress.   | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 9, 2015  |
| 89  | Email-15-01-SAK-IN-089 | RE:TO 15 000001 HAR :Base Course test Results (Segment A)   | Adnan Safi      | BV           | Saleem Tafesh                  | SAK          | July 10, 2015 |
| 90  | Email-15-01-SAK-IN-090 | TO 15 000001 HAR :Draft MOM No.013  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 14, 2015 |
| 91  | Email-15-01-SAK-IN-091 | Fwd: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2015                              | Kamal Kaspry    | BV           | Muwafaq Abu Zeineh             | SAK          | July 15, 2015 |
| 92  | Email-15-01-SAK-IN-092 | TO 15 000001 HAR :Final MOM No.013  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 20, 2015 |
| 93  | Email-15-01-SAK-IN-093 | TO 15 000001 HAR :Progress Meeting #014 Agenda.   | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 23, 2015 |
| 94  | Email-15-01-SAK-IN-094 | TO 15 000001 HAR :SAK Completion Plan of Reamaing Activites and Sewer Pipeline Testing Method Statement | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 23, 2015 |
| 95  | Email-15-01-SAK-IN-095 | TO 15 000001 HAR :Work Progress Concern.  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 26, 2015 |



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| 96  | Email-15-01-SAK-IN-096 | Re: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2015          | Kamal Kasbary   | USAID        | Muwafaq Abu Zeineh             | SAK          | July 27, 2015   |
| 97  | Email-15-01-SAK-IN-097 | Re: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2016          | Kamal Kasbary   | USAID        | Samir Al Khaldi                | SAK          | July 27, 2015   |
| 98  | Email-15-01-SAK-IN-098 | TO 15 000001 HAR: Work Progress Concern  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 27, 2015   |
| 99  | Email-15-01-SAK-IN-099 | Re: TO 15 000001 HAR: Work Progress Concern - July 2015                            | Adnan Safi      | BV           | Jawdat Al Khoudary             | SAK          | July 28, 2015   |
| 100 | Email-15-01-SAK-IN-100 | TO 15 000001 HAR: Project Key Staff  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | July 28, 2015   |
| 101 | Email-15-01-SAK-IN-101 | Re: TO 15 000001 HAR: Work Progress Concern  | Adnan Safi      | BV           | Samir Al Khaldi                | SAK          | July 28, 2015   |
| 102 | Email-15-01-SAK-IN-102 | TO 15-000001 HAR: Draft MOM NO. 014  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | July 29, 2015   |
| 103 | Email-15-01-SAK-IN-103 | Re: TO 15 000001 HAR: Work Progress Concern  | Kamal Kasbary   | USAID        | Samir Al Khaldi                | SAK          | July 30, 2015   |
| 104 | Email-15-01-SAK-IN-104 | TO 15-000001 HAR: Final MOM No.014   | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | August 2, 2015  |
| 105 | Email-15-01-SAK-IN-105 | TO 15 000001 HAR : For Construction Copies.  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 2, 2015  |
| 106 | Email-15-01-SAK-IN-106 | TO 15-000001 HAR: Monthly Updates for Submittals                                   | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 4, 2015  |
| 107 | Email-15-01-SAK-IN-107 | TO 15 000001 HAR: Progress Look Ahead Plan Meeting Minutes                         | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | August 6, 2015  |
| 108 | Email-15-01-SAK-IN-108 | FW: TO 15-000001 HAR: Progress Meeting # 015 _Agenda                               | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 6, 2015  |
| 109 | Email-15-01-SAK-IN-109 | TO 15 000001 HAR : Concrete Screed Over Electrical Cable Trench (A0+000 to A0+230) | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 11, 2015 |
| 110 | Email-15-01-SAK-IN-110 | TO 15-000001 HAR: Draft MOM NO. 015  | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | August 12, 2015 |
| 111 | Email-15-01-SAK-IN-111 | TO 15-000001 HAR: Final MOM No.015   | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi | USAID & SAK  | August 17, 2015 |
| 112 | Email-15-01-SAK-IN-112 | Workers Vaccination  | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 18, 2015 |
| 113 | Email-15-01-SAK-IN-113 | TO 15 000001 HAR: CMC Comments on Progress Payment No 5                            | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 18, 2015 |
| 114 | Email-15-01-SAK-IN-114 | TO 15 000001 HAR: Sewer Manholes Construction Progress Concern                     | Monther Ramadan | BV           | Samir Al Khaldi                | SAK          | August 20, 2015 |



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|-----|------------------------|--|-----------------|--------------|--|--------------|--------------------|
| 115 | Email-15-01-SAK-IN-115 | TO 15-000001 HAR: Progress Meeting # 016 _Agenda                   | Monther Ramadan | BV           | Kamal Kaspry & Samir Al Khaldi                 | SAK          | August 21, 2015    |
| 116 | Email-15-01-SAK-IN-116 | TO 15-000001 HAR: Draft MOM NO. 016                                | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                   | USAID & SAK  | August 26, 2015    |
| 117 | Email-15-01-SAK-IN-117 | TO 15-000001 HAR: Final MOM No.016                                 | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                   | USAID & SAK  | August 30, 2015    |
| 118 | Email-15-01-SAK-IN-118 | TO 15 000001 HAR : Late Submission of Daily Joint Report           | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                   | USAID & SAK  | August 30, 2015    |
| 119 | Email-15-01-SAK-IN-119 | TO 15-000001 HAR: Progress Meeting # 017 _Agenda                   | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                   | USAID & SAK  | September 6, 2015  |
| 120 | Email-15-01-SAK-IN-120 | TO 15-00001 HAR: CMC Comments on Progress Payment #06              | Monther Ramadan | BV           | Samir Khaldi                                   | SAK          | September 6, 2015  |
| 121 | Email-15-01-SAK-IN-121 | Re: TO: 14-00002 & 15-000001 : Donation No. (8234)                 | Fouad salman    | USAID        | saleem Tafesh                                  | SAK          | September 8, 2015  |
| 122 | Email-15-01-SAK-IN-122 | RE: TO-15-00001-HAR: Alternative for DN50 Dismantling Joints       | Kaled Haramy    | BV           | Monther Ramadan & Samir Khaldi                 | BV & SAK     | September 10, 2015 |
| 123 | Email-15-01-SAK-IN-123 | 01-HAR: Alternative for DN50 Dismantling Joints                    | Kaled Haramy    | BV           | Monther Ramadan & Samir Khaldi & Loay Haneenah | BV & SAK     | September 10, 2015 |
| 124 | Email-15-01-SAK-IN-124 | TO 15 000001 HAR: As Built Drawings                                | Monther Ramadan | BV           | Samir Khaldi                                   | SAK          | September 16, 2015 |
| 125 | Email-15-01-SAK-IN-125 | TO 15 000001 HAR: Work Plan for Eid Holiday                        | Monther Ramadan | BV           | Samir Khaldi                                   | SAK          | September 17, 2015 |
| 126 | Email-15-01-SAK-IN-126 | TO 15 000001 HAR: Test Results                                     | Monther Ramadan | BV           | Samir Khaldi                                   | SAK          | September 17, 2015 |
| 127 | Email-15-01-SAK-IN-127 | TO 15-000001 HAR: Final MOM No.017                                 | Monther Ramadan | BV           | Kamal Kasbary & Samir Khaldi                   | USAID & SAK  | September 17, 2015 |
| 128 | Email-15-01-SAK-IN-128 | RE: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern | Monther Ramadan | BV           | Samir Khaldi                                   | SAK          | September 19, 2015 |



**USAID WEST BANK/ GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO.AID-294-I-13-00002**  
**TASK ORDER NO.AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Updated Date :September 30, 2015

| OUTGOING EMAILS LOG |                         |  |                    |              |                   |                         |                   |
|---------------------|-------------------------|--|--------------------|--------------|-------------------|-------------------------|-------------------|
| No.                 | DCN No.                 | Subject  | From (Author)      | Organization | To (Recipient)    | Organization            | Sent Date         |
| 1                   | Email-15-01-SAK-OUT-001 | TO 15-01HAR: Key Personnel                                 | Jawdat Al Khoudary | SAK          | Hourig Deldelian  | USAID                   | December 21, 2014 |
| 2                   | Email-15-01-SAK-OUT-002 | TO 15 000001 HAR: Project Mobilization                     | Samir Al Khaldi    | SAK          | Monther Ramadan   | BV                      | January 20, 2015  |
| 3                   | Email-15-01-SAK-OUT-003 | Task Order #15-00001, WWTP Access Road                     | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | January 28, 2015  |
| 4                   | Email-15-01-SAK-OUT-004 | Flyer  | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | January 31, 2015  |
| 5                   | Email-15-01-SAK-OUT-005 | TO 15-01 HAR: January Monthly Progress Report              | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | February 5, 2015  |
| 6                   | Email-15-01-SAK-OUT-006 | TO 15-01 HAR: Start of Construction Ground Breaking        | Samir Al Khaldi    | SAK          | BV & SAK Staff    | SAK& BV                 | February 12, 2015 |
| 7                   | Email-15-01-SAK-OUT-007 | TO 15-01 HAR: Original CPM schedule Meeting                | Muwafaq Abu Zeineh | SAK          | Monther Ramadan   | BV                      | February 16, 2015 |
| 8                   | Email-15-01-SAK-OUT-008 | TO 15-01 HAR: Modified Original CPM                        | Muwafaq Abu Zeineh | SAK          | Hakam Al Nazer    | BV                      | February 26, 2015 |
| 9                   | Email-15-01-SAK-OUT-009 | RE: Comments on Contractor's Monthly Report - January 2015 | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | March 2, 2015     |
| 10                  | Email-15-01-SAK-OUT-010 | RE: TO 15-01 HAR: Original CPM schedule Meeting            | Muwafaq Abu Zeineh | SAK          | Hakam Al Nazer    | BV                      | March 3, 2015     |
| 11                  | Email-15-01-SAK-OUT-011 | TO 15-01 HAR: February Monthly Progress Report             | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | March 5, 2015     |
| 12                  | Email-15-01-SAK-OUT-012 | TO 15-01 HAR: February 2015 Geo-MIS Data                   | Muwafaq Abu Zeineh | SAK          | Monther Ramadan   | BV                      | March 8, 2015     |
| 13                  | Email-15-01-SAK-OUT-013 | RE: Comments on Contractor's Monthly Report - January 2015 | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary     | USAID                   | March 9, 2015     |
| 14                  | Email-15-01-SAK-OUT-014 | TO 15-01 HAR: Off-site visit                               | Muwafaq Abu Zeineh | SAK          | Adnan Safi        | BV                      | March 10, 2015    |
| 15                  | Email-15-01-SAK-OUT-015 | Saturday Schedule  | Muna Al Shaer      | SAK          | Monther Ramadan   | BV                      | March 19, 2015    |
| 16                  | Email-15-01-SAK-OUT-016 | TO 15-01 HAR: 1500 Sewer Manhole Pipes                     | Muwafaq Abu Zeineh | SAK          | Derar Shkarneh    | SAK& BV                 | March 22, 2015    |
| 17                  | Email-15-01-SAK-OUT-017 | Sewer Manhole Cover 60 cm                                  | Mohamad Abu Zeineh | SAK          | Fadi Fahed        | Al-Haddad Steel Company | March 22, 2015    |
| 18                  | Email-15-01-SAK-OUT-018 | TO-15-01- HAR - Saturday Schedule                          | Muna Al Shaer      | SAK          | Manal Mohammadeen | BV                      | March 26, 2015    |
| 19                  | Email-15-01-SAK-OUT-019 | Sewer Manhole Cover 60 cm                                  | Mohamad Abu Zeineh | SAK          | Fadi Fahed        | Al-Haddad Steel Company | March 26, 2015    |
| 20                  | Email-15-01-SAK-OUT-020 | TO-15-01- HAR - Delay of staff                             | Muna Al Shaer      | SAK          | Monther Ramadan   | BV                      | March 29, 2015    |



**USAID WEST BANK/ GAZA**  
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**Hebron WWTP Access Road**



Updated Date :September 30, 2015

| OUTGOING EMAILS LOG |                         |  |                    |              |                 |              |                |
|---------------------|-------------------------|--|--------------------|--------------|-----------------|--------------|----------------|
| No.                 | DCN No.                 | Subject  | From (Author)      | Organization | To (Recipient)  | Organization | Sent Date      |
| 21                  | Email-15-01-SAK-OUT-021 | TO-15-01- HAR - Delay of staff after the 4.30 PM                           | Muna Al Shaer      | SAK          | Monther Ramadan | BV           | March 30, 2015 |
| 22                  | Email-15-01-SAK-OUT-022 | TO 15-01 HAR: March Monthly Progress Report                                | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary   | USAID        | April 5, 2015  |
| 23                  | Email-15-01-SAK-OUT-023 | LCP Projects: Geo-MIS -March, 2015   | Muwafaq Abu Zeineh | SAK          | Hakam Al Nazer  | BV           | April 6, 2015  |
| 24                  | Email-15-01-SAK-OUT-024 | Re: TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A        | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 20, 2015 |
| 25                  | Email-15-01-SAK-OUT-025 | TO-15-01- HAR - Delay of staff after the 4.30 PM                           | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 9, 2015  |
| 26                  | Email-15-01-SAK-OUT-026 | TO-15-01- HAR - Delay of staff after 04.30 P.M                             | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 15, 2015 |
| 27                  | Email-15-01-SAK-OUT-027 | Re: TO#15-01-HAR : Geo-MIS Data Audit Meeting                              | Muwafaq Abu Zeineh | SAK          | Hakam Al Nazer  | BV           | April 16, 2015 |
| 28                  | Email-15-01-SAK-OUT-028 | RTO-15-01- HAR - Saturday Schedule   | Muwafaq Abu Zeineh | SAK          | Hakam Al Nazer  | BV           | April 16, 2015 |
| 29                  | Email-15-01-SAK-OUT-029 | Re: TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A        | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 20, 2015 |
| 30                  | Email-15-01-SAK-OUT-030 | TO-15-01- HAR - Saturday Schedule  | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 23, 2015 |
| 31                  | Email-15-01-SAK-OUT-031 | TO-15-01- HAR - Delay of staff after 04.30 P.M                             | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 26, 2015 |
| 32                  | Email-15-01-SAK-OUT-032 | TO-15-01- HAR - Delay of staff after 04.30 P.M                             | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 27, 2015 |
| 33                  | Email-15-01-SAK-OUT-033 | TO-15-01- HAR - Thursday April 30, 2015 & Saturday May 02, 2015 Schedule   | Samir Al Khaldi    | SAK          | Monther Ramadan | BV           | April 30, 2015 |
| 34                  | Email-15-01-SAK-OUT-034 | LCP Projects: Geo-MIS -April, 2015   | Rasha Zarour       | SAK          | Monther Ramadan | BV           | May 5, 2015    |
| 35                  | Email-15-01-SAK-OUT-035 | TO 15-01 HAR: April Monthly Progress Report                                | Muwafaq Abu Zeinah | SAK          | Kamal Kasbary   | USAID        | May 5, 2015    |
| 36                  | Email-15-01-SAK-OUT-036 | Re: TO 15 000001 HAR : For Construction Copies                             | Samir Khaldi       | SAK          | Monther Ramadan | BV           | May 6, 2015    |
| 37                  | Email-15-01-SAK-OUT-037 | RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -April 2015 | Muwafaq Abu Zeinah | SAK          | Kamal Kasbary   | USAID        | May 25, 2015   |
| 38                  | Email-15-01-SAK-OUT-038 | RE:FW: TO 15-01 HAR: Contractor's Monthly Report- February 2015            | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary   | USAID        | June 3, 2015   |
| 39                  | Email-15-01-SAK-OUT-039 | RE:TO 15-01 HAR: May Monthly Progress Report                               | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary   | USAID        | June 4, 2015   |
| 40                  | Email-15-01-SAK-OUT-040 | LCP Projects: Geo-MIS- May ,2015   | Rasha Zarour       | SAK          | Hakam Al Nazer  | BV           | June 7, 2015   |



**USAID WEST BANK/ GAZA**  
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**TASK ORDER NO.AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Updated Date :September 30, 2015

| OUTGOING EMAILS LOG |                         |   |                    |              |                      |              |                |
|---------------------|-------------------------|---|--------------------|--------------|----------------------|--------------|----------------|
| No.                 | DCN No.                 | Subject   | From (Author)      | Organization | To (Recipient)       | Organization | Sent Date      |
| 41                  | Email-15-01-SAK-OUT-041 | RE: TO 15-00001 HAR :Variation order #01 –Part 1 of 2                             | Saleem Tafesh      | SAK          | Shahrazad Al Ayaydah | BV           | June 8, 2015   |
| 42                  | Email-15-01-SAK-OUT-042 | RE: TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates            | Saleem Tafesh      | SAK          | Monther Ramadan      | BV           | June 10, 2015  |
| 43                  | Email-15-01-SAK-OUT-043 | TO 15 000001 HAR :Safety Toll Box Meeting for June 2015                           | Samir Al Khaldi    | SAK          | Monther Ramadan      | BV           | June 13, 2015  |
| 44                  | Email-15-01-SAK-OUT-044 | TO 15 000001 HAR :For Construction Copies   | Samir Al Khaldi    | SAK          | Monther Ramadan      | BV           | June 13, 2015  |
| 45                  | Email-15-01-SAK-OUT-045 | TO 15 000001 HAR :Un closed Submittals  | Samir Al Khaldi    | SAK          | Monther Ramadan      | BV           | June 14, 2015  |
| 46                  | Email-15-01-SAK-OUT-046 | RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015          | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | June 24, 2015  |
| 47                  | Email-15-01-SAK-OUT-047 | TASK ORDER NO : AID-294-TO-15-000001(Partial Payment Request – Payment No.04)     | Saleem Tafesh      | SAK          | Kamal Kasbary        | USAID        | June 30, 2015  |
| 48                  | Email-15-01-SAK-OUT-048 | RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015          | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | June 30, 2015  |
| 49                  | Email-15-01-SAK-OUT-049 | TO 15 000001 HAR: Work Stoppage at the construction of Box Culvert at St. B0+030. | Saleem Tafesh      | SAK          | Monther Ramadan      | BV           | July 1, 2015   |
| 50                  | Email-15-01-SAK-OUT-050 | LCP Projects: Geo-MIS -June, 2015   | Rasha Zarour       | SAK          | Hakam Al Nazer       | BV           | July 5, 2015   |
| 51                  | Email-15-01-SAK-OUT-051 | TO 15-01 HAR: Monthly Progress Report -June 2015                                  | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | July 5, 2015   |
| 52                  | Email-15-01-SAK-OUT-052 | TO- 15- 000001 HAR :Base Course test Results (Segment A)                          | Saleem Tafesh      | SAK          | Adnan Safi           | BV           | July 10, 2015  |
| 53                  | Email-15-01-SAK-OUT-053 | RE:TO- 15- 000001 HAR:Work Plan for Eid Holiday                                   | Samir Al Khaldi    | SAK          | Monther Ramadan      | BV           | July 13, 2015  |
| 54                  | Email-15-01-SAK-OUT-054 | RE:TO 15 000001 HAR :Base Course test Results (Segment A)                         | Saleem Tafesh      | SAK          | Monther Ramadan      | BV           | July 13, 2015  |
| 55                  | Email-15-01-SAK-OUT-055 | RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -June 2015         | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | July 21, 2015  |
| 56                  | Email-15-01-SAK-OUT-056 | RE: TO 15 000001 HAR : Work Progress Concern                                      | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | July 27, 2015  |
| 57                  | Email-15-01-SAK-OUT-057 | RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -June 2015         | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | July 27, 2015  |
| 58                  | Email-15-01-SAK-OUT-058 | TO 15 000001 HAR: Project Key Staff   | Saleem Tafesh      | SAK          | Kamal Kasbary        | USAID        | July 29, 2015  |
| 59                  | Email-15-01-SAK-OUT-059 | Re: TO 15 000001 HAR: Work Progress Concern                                       | Samir Al Khaldi    | SAK          | Kamal Kasbary        | USAID        | July 30, 2015  |
| 60                  | Email-15-01-SAK-OUT-060 | TO 15-01 HAR: Monthly Progress Report - July 2015                                 | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary        | USAID        | August 3, 2015 |



**USAID WEST BANK/ GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO.AID-294-I-13-00002**  
**TASK ORDER NO.AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Updated Date :September 30, 2015

| OUTGOING EMAILS LOG |                         |  |                    |              |   |              |                    |
|---------------------|-------------------------|--|--------------------|--------------|---|--------------|--------------------|
| No.                 | DCN No.                 | Subject  | From (Author)      | Organization | To (Recipient)                                    | Organization | Sent Date          |
| 61                  | Email-15-01-SAK-OUT-061 | LCP Projects: Geo-MIS -July, 2015                                  | Rasha Zarour       | SAK          | Hakam Al Nazer                                    | USAID        | August 4, 2015     |
| 62                  | Email-15-01-SAK-OUT-062 | Retract V.O.R No.4   | Samir Al Khaldi    | SAK          | Monther Ramadan                                   | BV           | August 10, 2015    |
| 63                  | Email-15-01-SAK-OUT-063 | RE: TO 15 000001 HAR: Project Key Staff                            | Saleem Tafesh      | SAK          | Kamal Kasbary                                     | USAID        | August 10, 2015    |
| 64                  | Email-15-01-SAK-OUT-064 | LCP Projects: Geo-MIS -August, 2015                                | Rasha Zarour       | SAK          | Hakam Al Nazer                                    | BV           | September 5, 2015  |
| 65                  | Email-15-01-SAK-OUT-065 | TO 15-01 HAR: Monthly Progress Report - August 2015                | Muwafaq Abu Zeineh | SAK          | Kamal Kasbary                                     | BV           | September 5, 2015  |
| 66                  | Email-15-01-SAK-OUT-066 | TO: 14-00002 & 15-000001 : Donation No. (8234)                     | Saleem             | SAK          | Kamal Kasbary                                     | USAID        | September 8, 2015  |
| 67                  | Email-15-01-SAK-OUT-067 | TO-15-00001-HAR: Alternative for DN50 Dismantling Joints           | Samir Al Khaldi    | SAK          | Monther Ramadan                                   | BV           | September 9, 2015  |
| 68                  | Email-15-01-SAK-OUT-068 | 01-HAR: Alternative for DN50 Dismantling Joints                    | Loay Hannouch      | SAK          | Monther Ramadan & Samir Al Khaldi & Khaled Hageem | BV & SAK     | September 10, 2015 |
| 69                  | Email-15-01-SAK-OUT-069 | Re: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern | Samir Al Khaldi    | SAK          | Monther Ramadan                                   | BV & USAID   | September 21, 2015 |
| 70                  | Email-15-01-SAK-OUT-070 | TO 15 000001 HAR: Work Plan for Eid Holiday                        | Samir Al Khaldi    | SAK          | Monther Ramadan                                   | BV & USAID   | September 21, 2015 |
| 71                  | Email-15-01-SAK-OUT-071 | TO 15-000001 HAR: Task Order Completion and Handover               | Saleem Tafesh      | SAK          | Adnan Safi  | BV           | September 29, 2015 |



**USAID WEST BANK - GAZA**  
**Local Construction Program (LCP)**  
**CONTRACT NO. AID-294-I-00-13-00002**  
**TASK ORDER NO. AID-294-TO-15-000001**  
**Hebron WWTP Access Road**



Last Updated: September 30, 2015

| CONTRACTOR LETTERS LOG                            |                        |         |  |                      |  |              |         |
|---|------------------------|---------|--|----------------------|--|--------------|---------|
| No.   | Letter No.             | Project | Description  | Submitted Date       | Organization                               | Organization | Remarks |
| <b>LETTERS FROM CONTRACTOR TO LOCAL AUTHORITY</b> |                        |         |  |                      |  |              |         |
| 1   | LTR.02.SAK-LOCAL.001-A | HAR     | Marking of Existing Utilities  | December 30, 2014    | Paltel                                     |              |         |
| 2   | LTR.02.SAK-LOCAL.002-A | HAR     | Marking of Existing Utilities  | December 30, 2014    | Electrical Company                         |              |         |
| 3   | LTR.02.SAK-LOCAL.003-A | HAR     | Marking of Existing Utilities  | December 30, 2015    | Hebron Municipality                        |              |         |
| 4   | LTR.02.SAK-LOCAL.004-A | HAR     | Electrical Works   | January 4, 2015      | Hebron Municipality                        |              |         |
| 5   | LTR.02.SAK-LOCAL.005-A | HAR     | Traffic Control Plan   | January 17, 2015     | Hebron Police                              |              |         |
| 6   | LTR.02.SAK-LOCAL.006-A | HAR     | Vaccine to protect against hepatitis B virus                                     | March 24, 2015       | Palestinian Ministry of Health             |              |         |
| 7   | LTR.02.SAK-LOCAL.007-A | HAR     | Workshop About Project to Qelqes School for Girls                                | April 7, 2015        | Palestinian Ministry of Education - Hebron |              |         |
| <b>LETTERS FROM CONTRACTOR TO ENGINEERS</b>       |                        |         |  |                      |  |              |         |
|   |                        |         |  |                      |  |              |         |
| <b>LETTERS FROM CONTRACTOR TO USAID</b>           |                        |         |  | <b>Received Date</b> |  |              |         |
| 1   | LTR.02.USAID-SAK.001-A | HAR     | Approval for key Personnel change order under Task Order No.AID-294-15-000001-00 | August 17, 2015      |  |              |         |
|   |                        |         |  |                      |  |              |         |



# Annex H:

## Geo-MIS Data



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM

CONTRACT NO. :AID-294-I-13-00002

TASK ORDER NO.: AID-294-TO-15-000001

TASK ORDER SHORT NAME. Hebron WWTP Access Road

Temporay Job Days Summary Report



Task Order Name:  
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: December 15, 2014

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD TO:September 30, 2015

| Date   |      | Site Staff Job Days** |               |                |                 |                | Total Job Days | No of Full Time Equivalent (FTE) Jobs in the Month* | Segregation By Gender |                | Notes of Comments |
|--|------|-----------------------|---------------|----------------|-----------------|----------------|----------------|---|-----------------------|----------------|-------------------|
| Month  | Year | Management            | Engineers     | Skilled Labor  | Unskilled Labor | Other          |                |   | Female                | Male           |                   |
| November   | 2014 |                       |               |                |                 |                | 0              | 0   |                       |                |                   |
| December   | 2014 | 16.00                 | 32.00         | 0.00           | 0.00            | 0.00           | 48.00          | 2.02  | 15.00                 | 33.00          |                   |
| January  | 2015 | 67.00                 | 68.00         | 37.00          | 0.00            | 15.00          | 187.00         | 7.86  | 23.00                 | 164.00         |                   |
| February   | 2015 | 64.00                 | 67.00         | 52.13          | 2.00            | 74.88          | 260.00         | 10.92   | 22.00                 | 238.00         |                   |
| March  | 2015 | 76.25                 | 78.50         | 272.34         | 47.75           | 122.00         | 596.84         | 25.08   | 23.50                 | 573.34         |                   |
| April  | 2015 | 81.38                 | 79.00         | 419.68         | 66.88           | 151.00         | 797.93         | 33.53   | 24.25                 | 773.68         |                   |
| The total number of persons days of employment for Office boy, Security guard, and Storage Yard Guard that are not included in previous daily joint reports (as per BV Geo MIS Audit conducted on April 16, 2015 ) |      |                       |               |                |                 |                | 174            | 7   |                       | 174            |                   |
| May  | 2015 | 87.88                 | 79.38         | 457.37         | 64.38           | 185.00         | 874.00         | 36.72   | 21.88                 | 852.12         |                   |
| June   | 2015 | 78.63                 | 65.38         | 417.63         | 45.75           | 178.25         | 785.63         | 33.01   | 22.25                 | 763.38         |                   |
| July   | 2015 | 65.13                 | 43.63         | 460.72         | 79.63           | 169.00         | 818.10         | 34.37   | 21.50                 | 796.60         |                   |
| August   | 2015 | 95.00                 | 75.63         | 618.70         | 270.00          | 194.00         | 1253.323       | 52.661  | 30.125                | 1223.20        |                   |
| September  | 2015 | 73.25                 | 69.00         | 598.11         | 194.25          | 170.50         | 1105.113       | 46.43   | 23.00                 | 1082.113       |                   |
| <b>Total of FY 2015</b>  |      | <b>704.50</b>         | <b>657.50</b> | <b>3333.67</b> | <b>770.63</b>   | <b>1259.63</b> | <b>6899.92</b> | <b>289.91</b>                                       | <b>226.50</b>         | <b>6673.42</b> |                   |
| October  | 2015 |                       |               |                |                 |                |                |   |                       |                |                   |
| November   | 2015 |                       |               |                |                 |                |                |   |                       |                |                   |
| December   | 2015 |                       |               |                |                 |                |                |   |                       |                |                   |
| January  | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| February   | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| March  | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| April  | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| May  | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| June   | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| July   | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| August   | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| September  | 2016 |                       |               |                |                 |                |                |   |                       |                |                   |
| <b>Total of FY 2016</b>  |      |                       |               |                |                 |                | <b>0</b>       | <b>0</b>  | <b>0</b>              | <b>0</b>       |                   |

Note :

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

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



**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME. Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Dec. 15, 2014  
 PERIOD TO: Dec.31, 2014

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |              |               |               |             |                    |             |                 |             |                  |                 |               |                 |             |             |              |                |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|--------------|---------------|---------------|-------------|--------------------|-------------|-----------------|-------------|------------------|-----------------|---------------|-----------------|-------------|-------------|--------------|----------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |              |               |               |             |                    |             |                 |             | Man-days*        |                 |               |                 |             | Gender      |              |                |
|                       | Management                    |                         |                        | Engineers        |                     |              | Skilled labor |               |             | Unskilled labor    |             | Other           |             | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other | Male        | Female       |                |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor     | Foreman       | Skilled Labor | Welder      | Equipment Operator | Flagman     | Unskilled Labor | Office Boy  |                  |                 |               |                 |             |             |              | Security Guard |
| December 15, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 16, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 17, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 18, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 19, 2014     | 0                             | 0                       | 0                      | 0                | 0                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 0               | 0             | 0               | 0           | 0           | 0            | 0              |
| December 20, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 21, 2014     | 8                             | 8                       | 0                      | 8                | 8                   | 8            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 2               | 3             | 0               | 0           | 0           | 4            | 1              |
| December 22, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 23, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 24, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 25, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 26, 2014     | 0                             | 0                       | 0                      | 0                | 0                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 0               | 0             | 0               | 0           | 0           | 0            | 0              |
| December 27, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 28, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 8            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 3             | 0               | 0           | 0           | 3            | 1              |
| December 29, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 30, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| December 31, 2014     | 8                             | 0                       | 0                      | 8                | 8                   | 0            | 0             | 0             | 0           | 0                  | 0           | 0               | 0           | 0                | 1               | 2             | 0               | 0           | 0           | 2            | 1              |
| <b>Total of Month</b> | <b>120.00</b>                 | <b>8.00</b>             | <b>0.00</b>            | <b>120.00</b>    | <b>120.00</b>       | <b>16.00</b> | <b>0.00</b>   | <b>0.00</b>   | <b>0.00</b> | <b>0.00</b>        | <b>0.00</b> | <b>0.00</b>     | <b>0.00</b> | <b>0.00</b>      | <b>16.00</b>    | <b>32.00</b>  | <b>0.00</b>     | <b>0.00</b> | <b>0.00</b> | <b>33.00</b> | <b>15.00</b>   |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.

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**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. :AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME. Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: Jan 01, 2015

PERIOD TO: Jan 31, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |               |             |                    |             |                 |               |                  |                 |               |                 |             |              |               |                |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|---------------|-------------|--------------------|-------------|-----------------|---------------|------------------|-----------------|---------------|-----------------|-------------|--------------|---------------|----------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |               |             |                    |             |                 |               | Man-days*        |                 |               |                 |             | Gender       |               |                |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |               |             | Unskilled labor    |             | Other           |               | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other | Male         | Female        |                |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor | Welder      | Equipment Operator | Flagman     | Unskilled Labor | Office Boy    |                  |                 |               |                 |             |              |               | Security Guard |
| January 1, 2015       | 8                             | 0                       | 0                      | 8                | 8                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 1               | 2             | 0               | 0           | 0            | 2             | 1              |
| January 2, 2015       | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 3, 2015       | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 4, 2015       | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 5, 2015       | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 6, 2015       | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 7, 2015       | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 8, 2015       | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 9, 2015       | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 10, 2015      | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 11, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 12, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 13, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 14, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 3               | 3             | 0               | 0           | 0            | 5             | 1              |
| January 15, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 16                 | 0           | 0               | 8             | 0                | 3               | 3             | 2               | 0           | 1            | 8             | 1              |
| January 16, 2015      | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 17, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| January 18, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 0             | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| January 19, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 2               | 0           | 1            | 8             | 1              |
| January 20, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 16                 | 0           | 0               | 8             | 0                | 3               | 3             | 3               | 0           | 1            | 9             | 1              |
| January 21, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 5               | 0           | 1            | 11            | 1              |
| January 22, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 5               | 0           | 1            | 11            | 1              |
| January 23, 2015      | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| January 24, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 5               | 0           | 1            | 11            | 1              |
| January 25, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0           | 8                  | 0           | 0               | 8             | 0                | 3               | 3             | 5               | 0           | 1            | 11            | 1              |
| January 26, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0           | 0                  | 0           | 0               | 8             | 0                | 3               | 3             | 4               | 0           | 1            | 10            | 1              |
| January 27, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| January 28, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| January 29, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| January 30, 2015      | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0           | 0               | 8             | 0                | 0               | 0             | 0               | 0           | 1            | 1             | 0              |
| January 31, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0           | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| <b>Total of Month</b> | <b>184.00</b>                 | <b>176.00</b>           | <b>176.00</b>          | <b>184.00</b>    | <b>184.00</b>       | <b>176.00</b> | <b>0.00</b>   | <b>208.00</b> | <b>0.00</b> | <b>88.00</b>       | <b>0.00</b> | <b>0.00</b>     | <b>120.00</b> | <b>0.00</b>      | <b>67.00</b>    | <b>68.00</b>  | <b>37.00</b>    | <b>0.00</b> | <b>15.00</b> | <b>164.00</b> | <b>23.00</b>   |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. :AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME. Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: Feb. 01, 2015

PERIOD TO: Feb 28, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |               |             |                    |              |                 |               |                  |                 |               |                 |             |              |               |                |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|---------------|-------------|--------------------|--------------|-----------------|---------------|------------------|-----------------|---------------|-----------------|-------------|--------------|---------------|----------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |               |             |                    |              |                 |               |                  | Man-days*       |               |                 |             |              | Gender        |                |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |               |             | Unskilled labor    |              | Other           |               | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other | Male         | Female        |                |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor | Welder      | Equipment Operator | Flagman      | Unskilled Labor | Office Boy    |                  |                 |               |                 |             |              |               | Security Guard |
| February 1, 2015      | 8                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 2               | 3             | 1               | 0           | 1            | 6             | 1              |
| February 2, 2015      | 8                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 2               | 3             | 1               | 0           | 1            | 6             | 1              |
| February 3, 2015      | 8                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 2               | 3             | 1               | 0           | 1            | 6             | 1              |
| February 4, 2015      | 8                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 2               | 3             | 1               | 0           | 1            | 6             | 1              |
| February 5, 2015      | 8                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 2               | 3             | 1               | 0           | 1            | 6             | 1              |
| February 6, 2015      | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0            | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| February 7, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| February 8, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| February 9, 2015      | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 0                | 3               | 3             | 1               | 0           | 1            | 7             | 1              |
| February 10, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 16            | 0           | 8                  | 0            | 0               | 8             | 0                | 3               | 3             | 3               | 0           | 1            | 9             | 1              |
| February 11, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 16            | 0           | 3                  | 0            | 0               | 8             | 24               | 3               | 3             | 2               | 0           | 4            | 11            | 1              |
| February 12, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 16            | 0           | 8                  | 0            | 0               | 8             | 24               | 3               | 3             | 3               | 0           | 4            | 12            | 1              |
| February 13, 2015     | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0            | 0               | 0             | 0                | 0               | 0             | 0               | 0           | 0            | 0             | 0              |
| February 14, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 24            | 0           | 8                  | 0            | 0               | 8             | 24               | 3               | 3             | 4               | 0           | 4            | 13            | 1              |
| February 15, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 16            | 0           | 15                 | 0            | 0               | 8             | 24               | 3               | 3             | 4               | 0           | 4            | 13            | 1              |
| February 16, 2015     | 8                             | 8                       | 8                      | 0                | 0                   | 8             | 0             | 8             | 0           | 10                 | 0            | 0               | 8             | 24               | 3               | 1             | 2               | 0           | 4            | 10            | 0              |
| February 17, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 14                 | 0            | 0               | 8             | 24               | 3               | 3             | 3               | 0           | 4            | 12            | 1              |
| February 18, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 12                 | 0            | 0               | 8             | 24               | 3               | 3             | 3               | 0           | 4            | 12            | 1              |
| February 19, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 0                  | 0            | 0               | 8             | 24               | 3               | 3             | 1               | 0           | 4            | 10            | 1              |
| February 20, 2015     | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0            | 0               | 8             | 24               | 0               | 0             | 0               | 0           | 4            | 4             | 0              |
| February 21, 2015     | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0            | 0               | 8             | 24               | 0               | 0             | 0               | 0           | 4            | 4             | 0              |
| February 22, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 6                  | 0            | 0               | 8             | 24               | 3               | 3             | 2               | 0           | 4            | 11            | 1              |
| February 23, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 16                 | 0            | 0               | 8             | 24               | 3               | 3             | 3               | 0           | 4            | 12            | 1              |
| February 24, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 18                 | 0            | 0               | 8             | 24               | 3               | 3             | 3               | 0           | 4            | 12            | 1              |
| February 25, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 18                 | 0            | 0               | 8             | 7                | 3               | 3             | 3               | 0           | 2            | 10            | 1              |
| February 26, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 24                 | 8            | 0               | 8             | 24               | 3               | 3             | 4               | 1           | 4            | 14            | 1              |
| February 27, 2015     | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0           | 0                  | 0            | 0               | 8             | 24               | 0               | 0             | 0               | 0           | 4            | 4             | 0              |
| February 28, 2015     | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0           | 25                 | 8            | 0               | 8             | 24               | 3               | 3             | 4               | 1           | 4            | 14            | 1              |
| <b>Total of Month</b> | <b>184.00</b>                 | <b>184.00</b>           | <b>144.00</b>          | <b>176.00</b>    | <b>176.00</b>       | <b>184.00</b> | <b>0.00</b>   | <b>232.00</b> | <b>0.00</b> | <b>185.00</b>      | <b>16.00</b> | <b>0.00</b>     | <b>208.00</b> | <b>391.00</b>    | <b>64.00</b>    | <b>67.00</b>  | <b>52.13</b>    | <b>2.00</b> | <b>74.88</b> | <b>238.00</b> | <b>22.00</b>   |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.

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**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. :AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME. Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: March 01, 2015

PERIOD TO: March 31, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |               |               |                    |                 |                 |               |                |                  |                 |               |                 |               |               |              |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|---------------|---------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|-----------------|---------------|-----------------|---------------|---------------|--------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |               |               |                    |                 |                 |               |                | Man-days*        |                 |               |                 |               | Gender        |              |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |               |               |                    | Unskilled labor |                 | Other         |                | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other   | Male          | Female       |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor | Welder        | Equipment Operator | Flagman         | Unskilled Labor | Office Boy    | Security Guard |                  |                 |               |                 |               |               |              |
| March 1, 2015         | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 12.00              | 8               | 0               | 8             | 24             | 3                | 3               | 3             | 1               | 4             | 13            | 1            |
| March 2, 2015         | 8                             | 8                       | 8                      | 8                | 0                   | 8             | 0             | 8             | 0             | 16.98              | 8               | 0               | 8             | 24             | 3                | 2               | 3             | 1               | 4             | 13            | 0            |
| March 3, 2015         | 8                             | 8                       | 8                      | 8                | 0                   | 8             | 0             | 8             | 0             | 14                 | 8               | 0               | 8             | 24             | 3                | 2               | 3             | 1               | 4             | 13            | 0            |
| March 4, 2015         | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 12                 | 8               | 0               | 8             | 24             | 3                | 3               | 3             | 1               | 4             | 13            | 1            |
| March 5, 2015         | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 11                 | 8               | 0               | 8             | 24             | 3                | 3               | 2             | 1               | 4             | 12            | 1            |
| March 6, 2015         | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0             | 0                  | 0               | 0               | 0             | 24             | 0                | 0               | 0             | 0               | 3             | 3             | 0            |
| March 7, 2015         | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 2                  | 8               | 0               | 8             | 24             | 3                | 3               | 1             | 1               | 4             | 11            | 1            |
| March 8, 2015         | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 16                 | 8               | 0               | 8             | 24             | 3                | 3               | 3             | 1               | 4             | 13            | 1            |
| March 9, 2015         | 8                             | 0                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 16                 | 16              | 0               | 8             | 24             | 2                | 3               | 3             | 2               | 4             | 13            | 1            |
| March 10, 2015        | 8                             | 8                       | 6                      | 8                | 8                   | 8             | 0             | 8             | 0             | 45.99              | 32              | 0               | 8             | 24             | 3                | 3               | 7             | 4               | 4             | 19            | 1            |
| March 11, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 50.96              | 8               | 0               | 8             | 24             | 3                | 3               | 7             | 1               | 4             | 17            | 1            |
| March 12, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 16            | 0             | 47.95              | 8               | 0               | 8             | 24             | 3                | 3               | 8             | 1               | 4             | 18            | 1            |
| March 13, 2015        | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0             | 0                  | 0               | 0               | 0             | 24             | 0                | 0               | 0             | 0               | 3             | 3             | 0            |
| March 14, 2015        | 8                             | 8                       | 8                      | 8                | 0                   | 8             | 0             | 8             | 0             | 18.99              | 8               | 0               | 8             | 24             | 3                | 2               | 3             | 1               | 4             | 13            | 0            |
| March 15, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 58.64              | 8               | 0               | 8             | 24             | 3                | 3               | 8             | 1               | 4             | 18            | 1            |
| March 16, 2015        | 8                             | 0                       | 8                      | 8                | 8                   | 8             | 0             | 8             | 0             | 63                 | 8               | 0               | 8             | 24             | 2                | 3               | 9             | 1               | 4             | 18            | 1            |
| March 17, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 32            | 0             | 53.28              | 8               | 0               | 8             | 24             | 3                | 3               | 11            | 1               | 4             | 21            | 1            |
| March 18, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 64            | 0             | 56                 | 8               | 0               | 8             | 24             | 3                | 3               | 15            | 1               | 4             | 25            | 1            |
| March 19, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 64            | 24            | 72                 | 24              | 0               | 8             | 24             | 3                | 3               | 20            | 3               | 4             | 32            | 1            |
| March 20, 2015        | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0             | 0                  | 0               | 0               | 8             | 24             | 0                | 0               | 0             | 0               | 4             | 4             | 0            |
| March 21, 2015        | 8                             | 8                       | 8                      | 8                | 0                   | 8             | 0             | 56            | 24            | 72                 | 16              | 0               | 8             | 24             | 3                | 2               | 19            | 2               | 4             | 30            | 0            |
| March 22, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 64            | 0             | 22                 | 16              | 0               | 8             | 24             | 3                | 3               | 11            | 2               | 4             | 22            | 1            |
| March 23, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 56            | 24            | 48                 | 16              | 0               | 8             | 24             | 3                | 3               | 16            | 2               | 4             | 27            | 1            |
| March 24, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 64            | 24            | 49.98              | 16              | 0               | 8             | 24             | 3                | 3               | 17            | 2               | 4             | 28            | 1            |
| March 25, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 56            | 16            | 58.96              | 16              | 0               | 8             | 24             | 3                | 3               | 16            | 2               | 4             | 27            | 1            |
| March 26, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 56            | 24            | 65.94              | 26              | 0               | 8             | 24             | 3                | 3               | 18            | 3               | 4             | 30            | 1            |
| March 27, 2015        | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0             | 0                  | 0               | 0               | 8             | 24             | 0                | 0               | 0             | 0               | 4             | 4             | 0            |
| March 28, 2015        | 0                             | 8                       | 0                      | 8                | 8                   | 8             | 0             | 64            | 24            | 51.10              | 24              | 0               | 8             | 24             | 1                | 3               | 17            | 3               | 4             | 27            | 1            |
| March 29, 2015        | 12                            | 8                       | 0                      | 12               | 12                  | 12            | 0             | 56            | 24            | 43.96              | 36              | 0               | 8             | 24             | 3                | 5               | 15            | 5               | 4             | 29            | 2            |
| March 30, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 56            | 24            | 64                 | 16              | 0               | 8             | 24             | 3                | 3               | 18            | 2               | 4             | 29            | 1            |
| March 31, 2015        | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 0             | 64            | 0             | 56                 | 16              | 0               | 8             | 24             | 3                | 3               | 15            | 2               | 4             | 26            | 1            |
| <b>Total of Month</b> | <b>212.00</b>                 | <b>200.00</b>           | <b>198.00</b>          | <b>220.00</b>    | <b>188.00</b>       | <b>220.00</b> | <b>0.00</b>   | <b>872.00</b> | <b>208.00</b> | <b>1098.73</b>     | <b>382.00</b>   | <b>0.00</b>     | <b>232.00</b> | <b>744.00</b>  | <b>76.25</b>     | <b>78.50</b>    | <b>272.34</b> | <b>47.75</b>    | <b>122.00</b> | <b>573.34</b> | <b>23.50</b> |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA  
 LOCAL CONSTRUCTION PROGRAM  
 CONTRACT NO. :AID-294-I-13-00002  
 TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temporary Job Days Report



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

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

| DATE           | Site Staff Job Days **        |                         |                        |                  |                     |          |               |           |               |        |                    |                 |                 |            |                |               |                  |                 |               |                 |             |        |        |
|----------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|----------|---------------|-----------|---------------|--------|--------------------|-----------------|-----------------|------------|----------------|---------------|------------------|-----------------|---------------|-----------------|-------------|--------|--------|
|                | Worker/Classification (Hours) |                         |                        |                  |                     |          |               |           |               |        |                    |                 |                 |            |                | Man-days*     |                  |                 |               |                 | Gender      |        |        |
|                | Management                    |                         |                        | Engineers        |                     |          | Skilled labor |           |               |        |                    | Unskilled labor |                 | Other      |                |               | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other | Male   | Female |
|                | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor | Foreman       | Inspector | Skilled Labor | Welder | Equipment Operator | Flagman         | Unskilled Labor | Office Boy | Security Guard | Storage Guard |                  |                 |               |                 |             |        |        |
| April 1, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 16            | 0      | 40.0               | 8               | 0               | 8          | 24             | 0             | 3                | 3               | 7             | 1               | 4           | 17     | 1      |
| April 2, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 64            | 0      | 50.0               | 24              | 0               | 8          | 24             | 0             | 3                | 3               | 14            | 3               | 4           | 26     | 1      |
| April 3, 2015  | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0         | 0             | 0      | 0.0                | 0               | 0               | 0          | 24             | 0             | 0                | 0               | 0             | 0               | 3           | 3      | 0      |
| April 4, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 72            | 24     | 48.0               | 16              | 0               | 8          | 24             | 0             | 3                | 3               | 18            | 2               | 4           | 29     | 1      |
| April 5, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 64            | 0      | 32.0               | 16              | 0               | 8          | 24             | 0             | 3                | 3               | 12            | 2               | 4           | 23     | 1      |
| April 6, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 72            | 0      | 36.0               | 18              | 0               | 8          | 24             | 0             | 3                | 3               | 14            | 2               | 4           | 25     | 1      |
| April 7, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 9         | 63            | 0      | 36.0               | 18              | 0               | 8          | 24             | 0             | 3                | 3               | 14            | 2               | 4           | 25     | 1      |
| April 8, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 9         | 72            | 0      | 54.0               | 18              | 0               | 8          | 24             | 0             | 3                | 3               | 17            | 2               | 4           | 28     | 1      |
| April 9, 2015  | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 9         | 90            | 0      | 54.0               | 9               | 0               | 8          | 24             | 0             | 3                | 3               | 19            | 1               | 4           | 29     | 1      |
| April 10, 2015 | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0         | 0             | 0      | 0.0                | 0               | 0               | 0          | 24             | 0             | 0                | 0               | 0             | 0               | 3           | 3      | 0      |
| April 11, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 56            | 0      | 38.0               | 16              | 0               | 8          | 24             | 0             | 3                | 3               | 12            | 2               | 4           | 23     | 1      |
| April 12, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 24            | 0      | 38.0               | 16              | 0               | 8          | 24             | 0             | 3                | 3               | 8             | 2               | 4           | 19     | 1      |
| April 13, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 36            | 0      | 45.0               | 9               | 0               | 8          | 24             | 0             | 3                | 3               | 10            | 1               | 4           | 20     | 1      |
| April 14, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 0         | 90            | 0      | 81.0               | 18              | 0               | 8          | 24             | 0             | 3                | 3               | 21            | 2               | 4           | 33     | 1      |
| April 15, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 8         | 63            | 0      | 63.0               | 18              | 0               | 16         | 24             | 12            | 3                | 3               | 17            | 2               | 7           | 31     | 1      |
| April 16, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 8         | 0             | 0      | 0.0                | 0               | 0               | 16         | 24             | 12            | 3                | 3               | 1             | 0               | 7           | 13     | 1      |
| April 17, 2015 | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0         | 0             | 0      | 0.0                | 0               | 0               | 0          | 12             | 12            | 0                | 0               | 0             | 0               | 3           | 3      | 0      |
| April 18, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 0             | 8         | 72            | 0      | 34.8               | 18              | 0               | 16         | 24             | 12            | 3                | 3               | 14            | 2               | 7           | 28     | 1      |
| April 19, 2015 | 11                            | 8                       | 8                      | 11               | 8                   | 8        | 8             | 0         | 40            | 0      | 48.0               | 16              | 0               | 16         | 24             | 12            | 3                | 3               | 12            | 2               | 7           | 26     | 1      |
| April 20, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 8             | 0         | 72            | 0      | 35.0               | 16              | 0               | 16         | 24             | 12            | 3                | 3               | 14            | 2               | 7           | 28     | 1      |
| April 21, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 8             | 0         | 64            | 0      | 43.8               | 16              | 0               | 16         | 24             | 12            | 3                | 3               | 14            | 2               | 7           | 28     | 1      |
| April 22, 2015 | 8                             | 8                       | 10                     | 10               | 8                   | 8        | 11            | 0         | 80            | 8      | 78.0               | 40              | 0               | 16         | 24             | 12            | 3                | 3               | 22            | 5               | 7           | 39     | 1      |
| April 23, 2015 | 8                             | 8                       | 8                      | 8                | 8                   | 8        | 10            | 0         | 70            | 0      | 80.3               | 30              | 0               | 16         | 24             | 12            | 3                | 3               | 20            | 4               | 7           | 35     | 1      |
| April 24, 2015 | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0         | 0             | 0      | 0.0                | 0               | 0               | 0          | 12             | 12            | 0                | 0               | 0             | 0               | 3           | 3      | 0      |
| April 25, 2015 | 8                             | 8                       | 12                     | 12               | 8                   | 8        | 12            | 0         | 96            | 8      | 114.51             | 48              | 0               | 16         | 24             | 12            | 4                | 4               | 29            | 6               | 7           | 47     | 1      |
| April 26, 2015 | 9                             | 9                       | 12                     | 12               | 9                   | 9        | 9             | 0         | 96            | 16     | 81.99              | 48              | 0               | 16         | 24             | 12            | 4                | 4               | 25            | 6               | 7           | 44     | 1      |
| April 27, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 9             | 0         | 63            | 24     | 99.0               | 36              | 0               | 16         | 24             | 12            | 3                | 3               | 24            | 5               | 7           | 41     | 1      |
| April 28, 2015 | 9                             | 9                       | 9                      | 9                | 0                   | 9        | 9             | 0         | 90            | 0      | 81.0               | 18              | 0               | 16         | 24             | 12            | 3                | 2               | 23            | 2               | 7           | 37     | 0      |
| April 29, 2015 | 9                             | 9                       | 9                      | 9                | 8                   | 9        | 9             | 0         | 81            | 0      | 63.0               | 27              | 0               | 16         | 24             | 12            | 3                | 3               | 19            | 3               | 7           | 35     | 1      |
| April 30, 2015 | 9                             | 9                       | 9                      | 9                | 0                   | 9        | 9             | 0         | 81            | 0      | 63.0               | 18              | 0               | 16         | 24             | 12            | 3                | 2               | 19            | 2               | 7           | 34     | 0      |
| Total of Month | 216.00                        | 213.00                  | 222.00                 | 225.00           | 194.00              | 213.00   | 102.00        | 51.00     | 1687.00       | 80.00  | 1437.40            | 535.00          | 0.00            | 320.00     | 696.00         | 192.00        | 81.38            | 79.00           | 419.68        | 66.88           | 151.00      | 773.68 | 24.25  |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.

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USAID WEST BANK/ GAZA  
 LOCAL CONSTRUCTION PROGRAM  
 CONTRACT NO.: AID-294-I-13-00002  
 TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temporary Job Days Report



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: May 01, 2015  
 PERIOD TO: May 31, 2015

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |               |              |               |                    |               |                 |               |                |                  |                 |               |                 |              |               |               |               |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|---------------|--------------|---------------|--------------------|---------------|-----------------|---------------|----------------|------------------|-----------------|---------------|-----------------|--------------|---------------|---------------|---------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |               |              |               |                    |               |                 |               |                | Man-days*        |                 |               |                 |              | Gender        |               |               |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |               |              |               | Unskilled labor    |               | Other           |               |                | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other  | Male          | Female        |               |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor | Welder       | Carpenter     | Equipment Operator | Flagman       | Unskilled Labor | Office Boy    | Security Guard |                  |                 |               |                 |              |               |               | Storage Guard |
| May 1, 2015           | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0            | 0             | 0                  | 0             | 0               | 8             | 12             | 12               | 0               | 0             | 0               | 0            | 4             | 4             | 0             |
| May 2, 2015           | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 81            | 0            | 0             | 81                 | 24            | 0               | 16            | 24             | 12               | 3               | 3             | 21              | 3            | 7             | 37            | 1             |
| May 3, 2015           | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 0             | 83                 | 24            | 0               | 16            | 24             | 12               | 3               | 3             | 15              | 3            | 7             | 30            | 1             |
| May 4, 2015           | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 90                 | 16            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| May 5, 2015           | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36            | 0            | 0             | 81                 | 16            | 0               | 16            | 24             | 12               | 3               | 2             | 16              | 2            | 7             | 30            | 0             |
| May 6, 2015           | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 72                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 15              | 2            | 7             | 29            | 1             |
| May 7, 2015           | 9                             | 9                       | 9                      | 9                | 4                   | 9             | 9             | 36            | 0            | 0             | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 19              | 2            | 7             | 34            | 1             |
| May 8, 2015           | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0            | 0             | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| May 9, 2015           | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 18           | 0             | 93                 | 27            | 0               | 16            | 24             | 12               | 3               | 3             | 20              | 3            | 7             | 35            | 1             |
| May 10, 2015          | 10                            | 9                       | 9                      | 10               | 9                   | 9             | 10            | 40            | 16           | 0             | 88                 | 30            | 0               | 16            | 24             | 12               | 4               | 4             | 19              | 4            | 7             | 35            | 1             |
| May 11, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36            | 0            | 0             | 56.98              | 27            | 0               | 16            | 24             | 12               | 3               | 2             | 13              | 3            | 7             | 28            | 0             |
| May 12, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 45            | 0            | 0             | 99                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 19              | 2            | 7             | 34            | 1             |
| May 13, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 90                 | 27            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 3            | 7             | 32            | 1             |
| May 14, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 0             | 9             | 45            | 16           | 0             | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 22              | 2            | 7             | 36            | 1             |
| May 15, 2015          | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0            | 0             | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| May 16, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36            | 16           | 0             | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 21              | 2            | 7             | 36            | 0             |
| May 17, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 72                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 15              | 2            | 7             | 29            | 1             |
| May 18, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 0             | 72                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 14              | 2            | 7             | 28            | 1             |
| May 19, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 0             | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 15              | 2            | 7             | 29            | 1             |
| May 20, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 16              | 2            | 7             | 30            | 1             |
| May 21, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36            | 0            | 0             | 63                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 14              | 2            | 7             | 28            | 1             |
| May 22, 2015          | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0            | 0             | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| May 23, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 0             | 63                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 12              | 2            | 7             | 27            | 1             |
| May 24, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 63            | 0            | 27            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 24              | 2            | 7             | 38            | 1             |
| May 25, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36            | 0            | 54            | 63                 | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 20              | 2            | 7             | 35            | 0             |
| May 26, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 45            | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 20              | 2            | 7             | 35            | 1             |
| May 27, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36            | 0            | 36            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 21              | 2            | 7             | 36            | 0             |
| May 28, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 27            | 0            | 36            | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 19              | 2            | 7             | 34            | 0             |
| May 29, 2015          | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0             | 0            | 0             | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| May 30, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 0             | 27            | 0            | 27            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 18              | 2            | 7             | 32            | 1             |
| May 31, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27            | 0            | 27            | 72                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| <b>Total of Month</b> | <b>235.00</b>                 | <b>234.00</b>           | <b>234.00</b>          | <b>235.00</b>    | <b>175.00</b>       | <b>225.00</b> | <b>226.00</b> | <b>958.00</b> | <b>66.00</b> | <b>252.00</b> | <b>2156.98</b>     | <b>515.00</b> | <b>0.00</b>     | <b>424.00</b> | <b>684.00</b>  | <b>372.00</b>    | <b>87.88</b>    | <b>79.38</b>  | <b>457.37</b>   | <b>64.38</b> | <b>185.00</b> | <b>852.12</b> | <b>21.88</b>  |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.

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**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. :AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME: Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: June 01, 2015  
 PERIOD TO: June 30, 2015

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |                |             |              |                    |               |                 |               |                |                  |                 |               |                 |              |               |               |               |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|----------------|-------------|--------------|--------------------|---------------|-----------------|---------------|----------------|------------------|-----------------|---------------|-----------------|--------------|---------------|---------------|---------------|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |                |             |              |                    |               |                 |               |                | Man-days*        |                 |               |                 |              | Gender        |               |               |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |                |             |              | Unskilled labor    |               | Other           |               |                | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other  | Male          | Female        |               |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor  | Welder      | Driver       | Equipment Operator | Flagman       | Unskilled Labor | Office Boy    | Security Guard |                  |                 |               |                 |              |               |               | Storage Guard |
| June 1, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27             | 0           | 27           | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 18              | 2            | 7             | 32            | 1             |
| June 2, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 63             | 0           | 0            | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 19              | 2            | 7             | 34            | 1             |
| June 3, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| June 4, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| June 5, 2015          | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0           | 0            | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| June 6, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| June 7, 2015          | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 27             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 16              | 2            | 7             | 30            | 0             |
| June 8, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27             | 0           | 0            | 81                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 15              | 2            | 7             | 29            | 1             |
| June 9, 2015          | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 16              | 2            | 7             | 30            | 1             |
| June 10, 2015         | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 19              | 2            | 7             | 34            | 1             |
| June 11, 2015         | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 45             | 0           | 0            | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 20              | 2            | 7             | 35            | 0             |
| June 12, 2015         | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0           | 0            | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| June 13, 2015         | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 27             | 0           | 0            | 108                | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 18              | 2            | 7             | 32            | 1             |
| June 14, 2015         | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 99                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 18              | 2            | 7             | 32            | 1             |
| June 15, 2015         | 9                             | 9                       | 9                      | 9                | 9                   | 9             | 9             | 36             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 3             | 17              | 2            | 7             | 31            | 1             |
| June 16, 2015         | 9                             | 9                       | 9                      | 9                | 0                   | 9             | 9             | 36             | 0           | 0            | 90                 | 18            | 0               | 16            | 24             | 12               | 3               | 2             | 17              | 2            | 7             | 31            | 0             |
| June 17, 2015         | 9                             | 9                       | 9                      | 9                | 9                   | 0             | 9             | 45             | 0           | 0            | 90                 | 9             | 0               | 16            | 24             | 12               | 3               | 2             | 18              | 1            | 7             | 30            | 1             |
| June 18, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 28             | 0           | 0            | 70                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 13              | 1            | 6             | 24            | 1             |
| June 19, 2015         | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0           | 0            | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| June 20, 2015         | 7                             | 7                       | 7                      | 7                | 0                   | 7             | 7             | 28             | 0           | 0            | 70                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 13              | 1            | 6             | 25            | 0             |
| June 21, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 21             | 0           | 0            | 70                 | 14            | 0               | 14            | 24             | 12               | 3               | 2             | 12              | 2            | 6             | 24            | 1             |
| June 22, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 21             | 0           | 0            | 56                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 11              | 1            | 6             | 21            | 1             |
| June 23, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 63             | 0           | 0            | 63                 | 14            | 0               | 14            | 24             | 12               | 3               | 2             | 17              | 2            | 6             | 28            | 1             |
| June 24, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 70             | 0           | 0            | 63                 | 14            | 0               | 14            | 24             | 12               | 3               | 2             | 18              | 2            | 6             | 29            | 1             |
| June 25, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 63             | 0           | 0            | 49                 | 14            | 0               | 14            | 24             | 12               | 3               | 2             | 15              | 2            | 6             | 26            | 1             |
| June 26, 2015         | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0           | 0            | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0            | 3             | 3             | 0             |
| June 27, 2015         | 0                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 28             | 0           | 0            | 42                 | 7             | 0               | 14            | 24             | 12               | 2               | 2             | 10              | 1            | 6             | 19            | 1             |
| June 28, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 70             | 0           | 0            | 56                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 17              | 1            | 6             | 27            | 1             |
| June 29, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 63             | 0           | 0            | 42                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 14              | 1            | 6             | 25            | 1             |
| June 30, 2015         | 7                             | 7                       | 7                      | 0                | 7                   | 7             | 7             | 70             | 0           | 0            | 70                 | 7             | 0               | 14            | 24             | 12               | 3               | 2             | 18              | 1            | 6             | 29            | 1             |
| <b>Total of Month</b> | <b>205.00</b>                 | <b>212.00</b>           | <b>212.00</b>          | <b>142.00</b>    | <b>178.00</b>       | <b>203.00</b> | <b>212.00</b> | <b>1065.00</b> | <b>0.00</b> | <b>27.00</b> | <b>2037.00</b>     | <b>366.00</b> | <b>0.00</b>     | <b>394.00</b> | <b>672.00</b>  | <b>360.00</b>    | <b>78.63</b>    | <b>65.38</b>  | <b>417.63</b>   | <b>45.75</b> | <b>178.25</b> | <b>763.38</b> | <b>22.25</b>  |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.

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USAID WEST BANK/ GAZA  
 LOCAL CONSTRUCTION PROGRAM  
 CONTRACT NO. :AID-294-I-13-00002  
 TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temporary Job Days Report



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: July 01, 2015  
 PERIOD TO: July 31, 2015

| DATE                  | Site Staff Job Days **        |                        |                  |                     |               |               |               |                |             |                    |                |                 |               |                |               |               |                  |                 |               |                 |               |               |              |
|-----------------------|-------------------------------|------------------------|------------------|---------------------|---------------|---------------|---------------|----------------|-------------|--------------------|----------------|-----------------|---------------|----------------|---------------|---------------|------------------|-----------------|---------------|-----------------|---------------|---------------|--------------|
|                       | Worker/Classification (Hours) |                        |                  |                     |               |               |               |                |             |                    |                |                 |               |                |               | Man-days*     |                  |                 |               |                 | Gender        |               |              |
|                       | Management                    |                        |                  | Engineers           |               |               | Skilled labor |                |             |                    |                | Unskilled labor |               | Other          |               |               | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other   | Male          | Female       |
| Task Order Manager    | Quality Control Manager       | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor      | Foreman       | Skilled Labor | Welder         | Carpenter   | Equipment Operator | Flagman        | Unskilled Labor | Office Boy    | Security Guard | Storage Guard |               |                  |                 |               |                 |               |               |              |
| July 1, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 77             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 19            | 1               | 6             | 30            | 1            |
| July 2, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 35             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 14            | 1               | 6             | 25            | 1            |
| July 3, 2015          | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 4, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 56             | 0           | 0                  | 21             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 11            | 1               | 6             | 21            | 1            |
| July 5, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 14             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 11            | 1               | 6             | 22            | 1            |
| July 6, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 35             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 14            | 1               | 6             | 25            | 1            |
| July 7, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 14             | 0           | 0                  | 70             | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 11            | 2               | 6             | 23            | 1            |
| July 8, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 49             | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 16            | 2               | 6             | 27            | 1            |
| July 9, 2015          | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 49             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 16            | 1               | 6             | 26            | 1            |
| July 10, 2015         | 5                             |                        |                  |                     |               | 5             |               | 15             |             | 20                 |                |                 |               | 12             | 12            | 1             | 1                | 4               | 0             | 3               | 9             | 0             |              |
| July 11, 2015         | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 70             | 0           | 0                  | 35             | 7               | 0             | 14             | 24            | 12            | 3                | 2               | 14            | 1               | 6             | 25            | 1            |
| July 12, 2015         | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 140            | 0           | 0                  | 140            | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 36            | 2               | 6             | 47            | 1            |
| July 13, 2015         | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 56             | 0           | 0                  | 56             | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 15            | 2               | 6             | 26            | 1            |
| July 14, 2015         | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 105            | 0           | 0                  | 63             | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 22            | 2               | 6             | 33            | 1            |
| July 15, 2015         | 7                             | 7                      | 7                | 0                   | 7             | 7             | 7             | 105            | 0           | 0                  | 98             | 14              | 0             | 14             | 24            | 12            | 3                | 2               | 26            | 2               | 6             | 38            | 1            |
| July 16, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 17, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 18, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 19, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 20, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 21, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 90             | 0           | 0                  | 81             | 18              | 0             | 18             | 24            | 12            | 3                | 2               | 23            | 2               | 7             | 36            | 1            |
| July 22, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 108            | 0           | 0                  | 92.88          | 18              | 0             | 18             | 24            | 12            | 3                | 2               | 26            | 2               | 7             | 40            | 1            |
| July 23, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 108            | 0           | 0                  | 90             | 18              | 0             | 18             | 24            | 12            | 3                | 2               | 26            | 2               | 7             | 39            | 1            |
| July 24, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| July 25, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 108            | 0           | 0                  | 153            | 18              | 0             | 18             | 24            | 12            | 3                | 2               | 34            | 2               | 7             | 47            | 1            |
| July 26, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 90             | 0           | 0                  | 99             | 18              | 72            | 18             | 24            | 12            | 3                | 2               | 25            | 11              | 7             | 47            | 1            |
| July 27, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 90             | 0           | 0                  | 81             | 9               | 72            | 18             | 24            | 12            | 3                | 2               | 23            | 10              | 7             | 44            | 1            |
| July 28, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 108            | 0           | 0                  | 88.92          | 9               | 72            | 18             | 24            | 12            | 3                | 2               | 26            | 10              | 7             | 47            | 1            |
| July 29, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 108            | 0           | 0                  | 100            | 18              | 72            | 18             | 24            | 12            | 3                | 2               | 27            | 11              | 7             | 50            | 1            |
| July 30, 2015         | 9                             | 9                      | 9                | 0                   | 9             | 9             | 9             | 90             | 0           | 0                  | 84.98          | 18              | 72            | 18             | 24            | 12            | 3                | 2               | 23            | 11              | 7             | 45            | 1            |
| July 31, 2015         | 0                             | 0                      | 0                | 0                   | 0             | 0             | 0             | 0              | 0           | 0                  | 0              | 0               | 0             | 12             | 12            | 0             | 0                | 0               | 0             | 3               | 3             | 0             | 0            |
| <b>Total of Month</b> | <b>177.00</b>                 | <b>172.00</b>          | <b>172.00</b>    | <b>0.00</b>         | <b>172.00</b> | <b>177.00</b> | <b>172.00</b> | <b>1881.00</b> | <b>0.00</b> | <b>0.00</b>        | <b>1632.78</b> | <b>277.00</b>   | <b>360.00</b> | <b>344.00</b>  | <b>636.00</b> | <b>372.00</b> | <b>65.13</b>     | <b>43.63</b>    | <b>460.72</b> | <b>79.63</b>    | <b>169.00</b> | <b>796.60</b> | <b>21.50</b> |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.

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USAID WEST BANK/ GAZA  
 LOCAL CONSTRUCTION PROGRAM  
 CONTRACT NO. :AID-294-I-13-00002  
 TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temproary Job Days Report



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: August 01, 2015  
 PERIOD TO: August 31, 2015

| DATE            | Site Staff Job Days **        |                         |                        |                  |                     |          |               |               |        |           |                    |                 |                 |            |                |               |                  |                 |               |                 |             |         |        |
|-----------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|----------|---------------|---------------|--------|-----------|--------------------|-----------------|-----------------|------------|----------------|---------------|------------------|-----------------|---------------|-----------------|-------------|---------|--------|
|                 | Worker/Classification (Hours) |                         |                        |                  |                     |          |               |               |        |           |                    |                 |                 |            |                | Man-days*     |                  |                 |               |                 | Gender      |         |        |
|                 | Management                    |                         |                        | Engineers        |                     |          | Skilled labor |               |        |           |                    | Unskilled labor |                 | Other      |                |               | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other | Male    | Female |
|                 | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (F) | Surveyor | Foreman       | Skilled Labor | Welder | Carpenter | Equipment Operator | Plagman         | Unskilled Labor | Office Boy | Security Guard | Storage Guard |                  |                 |               |                 |             |         |        |
| August 1, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 3             | 6             | 0      | 0         | 43.95              | 3               | 2               | 18         | 24             | 12            | 3                | 2               | 7             | 1               | 7           | 18      | 1      |
| August 2, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 3             | 18            | 0      | 0         | 43.03              | 3               | 6               | 18         | 24             | 12            | 3                | 2               | 8             | 1               | 7           | 20      | 1      |
| August 3, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 3             | 18            | 0      | 0         | 39                 | 3               | 6               | 18         | 24             | 12            | 3                | 2               | 8             | 1               | 7           | 20      | 1      |
| August 4, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 3             | 18            | 0      | 0         | 36                 | 3               | 12              | 18         | 24             | 12            | 3                | 2               | 7             | 2               | 7           | 20      | 1      |
| August 5, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 9             | 63            | 0      | 0         | 86.02              | 9               | 45              | 18         | 24             | 12            | 3                | 2               | 20            | 7               | 7           | 38      | 1      |
| August 6, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 9             | 54            | 0      | 0         | 56.97              | 9               | 27              | 18         | 24             | 12            | 3                | 2               | 15            | 5               | 7           | 31      | 1      |
| August 7, 2015  | 0                             | 2                       | 0                      | 0                | 0                   | 0        | 0             | 0             | 0      | 0         | 3                  | 0               | 0               | 0          | 12             | 12            | 0                | 0               | 0             | 0               | 3           | 4       | 0      |
| August 8, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 63            | 0      | 0         | 88.00              | 9               | 36              | 18         | 24             | 12            | 3                | 2               | 21            | 6               | 7           | 38      | 1      |
| August 9, 2015  | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 108           | 0      | 0         | 73.92              | 9               | 63              | 18         | 24             | 12            | 3                | 2               | 25            | 9               | 7           | 45      | 1      |
| August 10, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 9             | 99            | 0      | 0         | 78                 | 18              | 81              | 18         | 24             | 12            | 3                | 2               | 23            | 12              | 7           | 47      | 1      |
| August 11, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 81            | 0      | 0         | 99.96              | 18              | 81              | 18         | 24             | 12            | 3                | 2               | 25            | 12              | 7           | 48      | 1      |
| August 12, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 135           | 0      | 0         | 92                 | 18              | 72              | 18         | 24             | 12            | 3                | 2               | 31            | 11              | 7           | 53      | 1      |
| August 13, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 81            | 0      | 0         | 73.98              | 18              | 45              | 18         | 24             | 12            | 3                | 2               | 22            | 8               | 7           | 41      | 1      |
| August 14, 2015 | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0             | 0      | 0         | 0                  | 0               | 0               | 0          | 12             | 12            | 0                | 0               | 0             | 0               | 3           | 3       | 0      |
| August 15, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 18            | 81            | 0      | 0         | 64                 | 18              | 72              | 18         | 24             | 12            | 3                | 2               | 20            | 11              | 7           | 43      | 1      |
| August 16, 2015 | 9                             | 9                       | 9                      | 0                | 9                   | 9        | 6             | 27            | 0      | 0         | 36.96              | 3               | 24              | 18         | 24             | 12            | 3                | 2               | 9             | 3               | 7           | 23      | 1      |
| August 17, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 81            | 0      | 0         | 80.3               | 9               | 81              | 18         | 24             | 12            | 3                | 3               | 22            | 11              | 7           | 46      | 1      |
| August 18, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 81            | 0      | 0         | 101.92             | 9               | 72              | 18         | 24             | 12            | 3                | 3               | 25            | 10              | 7           | 48      | 1      |
| August 19, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 81            | 0      | 0         | 96.05              | 9               | 81              | 18         | 24             | 12            | 3                | 3               | 24            | 11              | 7           | 48      | 1      |
| August 20, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 117           | 0      | 0         | 95.94              | 9               | 90              | 18         | 24             | 12            | 3                | 3               | 29            | 12              | 7           | 54      | 1      |
| August 21, 2015 | 0                             | 0                       | 0                      | 0                | 0                   | 0        | 0             | 0             | 0      | 0         | 0                  | 0               | 0               | 0          | 12             | 12            | 0                | 0               | 0             | 0               | 3           | 3       | 0      |
| August 22, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 99            | 0      | 0         | 77.98              | 9               | 90              | 18         | 24             | 12            | 3                | 3               | 24            | 12              | 7           | 49      | 1      |
| August 23, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 135           | 0      | 0         | 97.74              | 9               | 99              | 18         | 24             | 12            | 3                | 3               | 31            | 14              | 7           | 57      | 1      |
| August 24, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 126           | 0      | 0         | 82.98              | 9               | 90              | 18         | 24             | 12            | 3                | 3               | 28            | 12              | 7           | 53      | 1      |
| August 25, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 36            | 0      | 0         | 67.04              | 9               | 144             | 18         | 24             | 12            | 3                | 3               | 15            | 19              | 7           | 47      | 1      |
| August 26, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 117           | 0      | 0         | 111.01             | 9               | 99              | 18         | 24             | 12            | 3                | 3               | 31            | 14              | 7           | 57      | 1      |
| August 27, 2015 | 9                             | 9                       | 9                      | 9                | 9                   | 9        | 18            | 117           | 0      | 0         | 111.01             | 9               | 99              | 18         | 24             | 12            | 3                | 3               | 31            | 14              | 7           | 57      | 1      |
| August 28, 2015 | 9                             | 0                       | 0                      | 0                | 0                   | 0        | 8             | 48            | 0      | 0         | 49.98              | 0               | 32              | 0          | 12             | 12            | 1                | 0               | 13            | 4               | 3           | 21      | 0      |
| August 29, 2015 | 17                            | 17                      | 17                     | 17               | 9                   | 9        | 34            | 238           | 0      | 0         | 222.81             | 51              | 140             | 18         | 24             | 12            | 6                | 4               | 62            | 24              | 7           | 102     | 1      |
| August 30, 2015 | 9                             | 8                       | 8                      | 8                | 8                   | 8        | 18            | 72            | 0      | 0         | 43                 | 9               | 90              | 16         | 24             | 12            | 3                | 3               | 17            | 12              | 7           | 41      | 1      |
| August 31, 2015 | 9                             | 8                       | 8                      | 8                | 8                   | 8        | 18            | 117           | 0      | 0         | 69.03              | 9               | 81              | 18         | 24             | 12            | 3                | 3               | 26            | 11              | 7           | 49      | 1      |
| Total of Month  | 260.00                        | 251.00                  | 249.00                 | 123.00           | 241.00              | 241.00   | 411.00        | 2317.00       | 0.00   | 0.00      | 2221.58            | 300.00          | 1860.00         | 484.00     | 696.00         | 372.00        | 95.00            | 75.63           | 618.70        | 270.00          | 194.00      | 1223.20 | 30.13  |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.

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**USAID WEST BANK/ GAZA**  
**LOCAL CONSTRUCTION PROGRAM**  
**CONTRACT NO. :AID-294-I-13-00002**  
**TASK ORDER NO.: AID-294-TO-15-000001**  
**TASK ORDER SHORT NAME: Hebron WWTP Access Road**  
**Temporay Job Days Report**



Task Order Name:  
 Hebron Waste Water Treatment Plant Access Road  
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: September 01, 2015  
 PERIOD TO: September 30, 2015

| DATE                  | Site Staff Job Days **        |                         |                        |                  |                     |               |               |                |               |             |                    |               |                 |               |                |                  |                 |               | Man-days*       |               |               |                |               | Gender |  |
|-----------------------|-------------------------------|-------------------------|------------------------|------------------|---------------------|---------------|---------------|----------------|---------------|-------------|--------------------|---------------|-----------------|---------------|----------------|------------------|-----------------|---------------|-----------------|---------------|---------------|----------------|---------------|--------|--|
|                       | Worker/Classification (Hours) |                         |                        |                  |                     |               |               |                |               |             |                    |               |                 |               |                | Total Management | Total Engineers | Total Skilled | Total Unskilled | Total Other   | Male          | Female         |               |        |  |
|                       | Management                    |                         |                        | Engineers        |                     |               | Skilled labor |                |               |             | Unskilled labor    |               | Other           |               |                |                  |                 |               |                 |               |               |                |               |        |  |
|                       | Task Order Manager            | Quality Control Manager | Safety & Envi. Manager | Project Engineer | Office Engineer (I) | Surveyor      | Foreman       | Skilled Labor  | Welder        | Carpenter   | Equipment Operator | Flagman       | Unskilled Labor | Office Boy    | Security Guard |                  |                 |               |                 |               |               |                | Storage Guard |        |  |
| September 1, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 117            | 0             | 0           | 84.00              | 9             | 81              | 16            | 24             | 12               | 3               | 3             | 27              | 11            | 7             | 50             | 1             |        |  |
| September 2, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 117            | 0             | 0           | 81.96              | 9             | 81              | 16            | 24             | 12               | 3               | 3             | 27              | 11            | 7             | 50             | 1             |        |  |
| September 3, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 117            | 0             | 0           | 78                 | 9             | 81              | 16            | 24             | 12               | 3               | 3             | 27              | 11            | 7             | 50             | 1             |        |  |
| September 4, 2015     | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 5, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 117            | 0             | 0           | 78.00              | 9             | 81              | 16            | 24             | 12               | 3               | 3             | 27              | 11            | 7             | 50             | 1             |        |  |
| September 6, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 117            | 0             | 0           | 100.95             | 9             | 81              | 16            | 24             | 12               | 3               | 3             | 29              | 11            | 7             | 52             | 1             |        |  |
| September 7, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 18            | 112            | 0             | 0           | 77.99              | 8             | 80              | 16            | 24             | 12               | 3               | 3             | 26              | 11            | 7             | 49             | 1             |        |  |
| September 8, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 16            | 128            | 0             | 0           | 84.00              | 8             | 88              | 16            | 24             | 12               | 3               | 3             | 29              | 12            | 7             | 52             | 1             |        |  |
| September 9, 2015     | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 16            | 112            | 0             | 0           | 89.04              | 8             | 64              | 16            | 24             | 12               | 3               | 3             | 27              | 9             | 7             | 48             | 1             |        |  |
| September 10, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 16            | 120            | 16            | 0           | 83.98              | 8             | 72              | 16            | 24             | 12               | 3               | 3             | 29              | 10            | 7             | 51             | 1             |        |  |
| September 11, 2015    | 9                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 1               | 0             | 0               | 0             | 3             | 4              | 0             |        |  |
| September 12, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 16            | 120            | 16            | 0           | 73.97              | 8             | 72              | 16            | 24             | 12               | 3               | 3             | 28              | 10            | 7             | 50             | 1             |        |  |
| September 13, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 16            | 120            | 16            | 0           | 89.04              | 8             | 72              | 16            | 24             | 12               | 3               | 3             | 30              | 10            | 7             | 52             | 1             |        |  |
| September 14, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 104            | 16            | 0           | 84                 | 8             | 56              | 16            | 24             | 12               | 3               | 3             | 27              | 8             | 7             | 46             | 1             |        |  |
| September 15, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 104            | 0             | 0           | 75                 | 8             | 48              | 16            | 24             | 12               | 3               | 3             | 23              | 7             | 7             | 42             | 1             |        |  |
| September 16, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 112            | 0             | 0           | 74.03              | 8             | 56              | 16            | 24             | 12               | 3               | 3             | 24              | 8             | 7             | 44             | 1             |        |  |
| September 17, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 128            | 0             | 0           | 66.99              | 8             | 56              | 16            | 24             | 12               | 3               | 3             | 25              | 8             | 7             | 45             | 1             |        |  |
| September 18, 2015    | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 19, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 112            | 16            | 0           | 53.01              | 8             | 48              | 16            | 24             | 12               | 3               | 3             | 24              | 7             | 7             | 42             | 1             |        |  |
| September 20, 2015    | 12                            | 8                       | 12                     | 8                | 8                   | 8             | 8             | 96             | 16            | 0           | 219.00             | 8             | 48              | 16            | 24             | 12               | 4               | 3             | 42              | 7             | 7             | 62             | 1             |        |  |
| September 21, 2015    | 9                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 112            | 16            | 0           | 49                 | 8             | 40              | 16            | 24             | 12               | 3               | 3             | 23              | 6             | 7             | 41             | 1             |        |  |
| September 22, 2015    | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 120            | 0             | 0           | 38.94              | 8             | 16              | 16            | 24             | 12               | 3               | 3             | 21              | 3             | 7             | 35             | 1             |        |  |
| September 23, 2015    | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 24, 2015    | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 25, 2015    | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 26, 2015    | 0                             | 0                       | 0                      | 0                | 0                   | 0             | 0             | 0              | 0             | 0           | 0                  | 0             | 0               | 0             | 12             | 12               | 0               | 0             | 0               | 0             | 3             | 3              | 0             |        |  |
| September 27, 2015    | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 56             | 0             | 0           | 24.00              | 8             | 16              | 16            | 24             | 12               | 3               | 3             | 11              | 3             | 7             | 26             | 1             |        |  |
| September 28, 2015    | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 104            | 16            | 0           | 39.00              | 8             | 40              | 16            | 24             | 12               | 3               | 3             | 21              | 6             | 7             | 38             | 1             |        |  |
| September 29, 2015    | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 96             | 16            | 0           | 32.00              | 8             | 40              | 16            | 24             | 12               | 3               | 3             | 19              | 6             | 7             | 37             | 1             |        |  |
| September 30, 2015    | 8                             | 8                       | 8                      | 8                | 8                   | 8             | 8             | 160            | 8             | 0           | 72                 | 8             | 48              | 16            | 24             | 12               | 3               | 3             | 31              | 7             | 7             | 50             | 1             |        |  |
| <b>Total of Month</b> | <b>214.00</b>                 | <b>184.00</b>           | <b>188.00</b>          | <b>184.00</b>    | <b>184.00</b>       | <b>184.00</b> | <b>284.00</b> | <b>2601.00</b> | <b>152.00</b> | <b>0.00</b> | <b>1747.90</b>     | <b>189.00</b> | <b>1365.00</b>  | <b>368.00</b> | <b>636.00</b>  | <b>360.00</b>    | <b>73.25</b>    | <b>69.00</b>  | <b>598.11</b>   | <b>194.25</b> | <b>170.50</b> | <b>1082.11</b> | <b>23.00</b>  |        |  |

\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.

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# Annex I:

## Risk Register

None encountered to date



# Annex J:

## September Monthly Schedule

| Activity ID  | Activity Name   | Original Duration | Start       | Finish      | Total Float | 2015                                |     |     |     |     |     |     |     |     |     |     |     | 2016 |     |
|--|---|-------------------|-------------|-------------|-------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
|  |   |                   |             |             |             | Oct                                 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct  | Nov |
| <b>Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road</b> |   |                   |             |             |             | 13-Oct-15, Revised R02 -            |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Milestones</b>  |   |                   |             |             |             | 01-Oct-15 A, Milestones             |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>General Milestones</b>                                  |   |                   |             |             |             | 01-Oct-15 A, General Milesto        |     |     |     |     |     |     |     |     |     |     |     |      |     |
| A-1  | Notice to Proceed (NTP)   | 0d                | 15-Dec-14   |             |             | ◆ Notice to Proceed (NTP)           |     |     |     |     |     |     |     |     |     |     |     |      |     |
| A-2  | Project Completion  | 0d                |             | 01-Oct-15 A |             | ◆ Project Completion                |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Intermediate Milestones</b>                             |   |                   |             |             |             | 01-Oct-15 A, Intermediate Mi        |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-01  | Start of Mobilization   | 0d                | 15-Dec-14   |             |             | ◆ Start of Mobilization             |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-02  | Finish of Mobilization  | 0d                |             | 27-Jan-15 A |             | ◆ Finish of Mobilization            |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-03  | Start of Pre-Construction Submittals  | 0d                | 15-Dec-14   |             |             | ◆ Start of Pre-Construction Subm... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-04  | Finish of Pre-Construction Submittals   | 0d                |             | 15-Mar-15 A |             | ◆ Finish of Pre-Construction Sub... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-05  | Start of Construction Submittals  | 0d                | 15-Dec-14   |             |             | ◆ Start of Construction Submitta... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-06  | Finish of Construction Submittals   | 0d                |             | 01-Oct-15 A |             | ◆ Finish of Construction Submi      |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-07  | Start of Construction at Segment A  | 0d                | 09-Mar-15 A |             |             | ◆ Start of Construction at Segme... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-08  | Finish of Construction at Segment A   | 0d                |             | 01-Oct-15 A |             | ◆ Finish of Construction at Seg     |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-09  | Start of Construction at Segment B  | 0d                | 12-Feb-15 A |             |             | ◆ Start of Construction at Segme... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-10  | Finish of Construction at Segment B   | 0d                |             | 01-Oct-15 A |             | ◆ Finish of Construction at Seg     |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-20  | Project Duration  | 178d              | 15-Dec-14   | 01-Oct-15 A |             | Project Duration                    |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-30  | Issuance of VO 01   | 0d                | 15-Jun-15 A |             |             | ◆ Issuance of VO 01                 |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-40  | Issuance of VO 02   | 0d                | 13-Sep-15   |             |             | ◆ Issuance of VO 02                 |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>PreConstruction Phase</b>                               |   |                   |             |             |             | 15-Mar-15 A, PreConstruction P...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Mobilization</b>  |   |                   |             |             |             | 27-Jan-15 A, Mobilization           |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1000  | Pre-Construction Dilapidation Survey  | 2d                | 20-Dec-14   | 12-Jan-15 A |             | Pre-Construction Dilapidation ...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1010  | Provide, furnish and erect Temporary Project Signs                            | 2d                | 06-Jan-15 A | 26-Jan-15 A |             | Provide, furnish and erect Tem...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1020  | Supply and furnish Field Office Furniture and Miscellaneous                   | 2d                | 11-Jan-15 A | 27-Jan-15 A |             | Supply and furnish Field Offic...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1030  | Supply and install Field Office Computer Systems and IT Equipments            | 2d                | 13-Jan-15 A | 27-Jan-15 A |             | Supply and install Field Offic...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1040  | Arrange for and erect Contractor's work and Storage Yards                     | 9d                | 17-Dec-14   | 27-Jan-15 A |             | Arrange for and erect Contract...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1050  | Moving onto the Sites of all Plant and equipments                             | 3d                | 29-Dec-14   | 26-Jan-15 A |             | Moving onto the Sites of all P...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1060  | Post OSHA-required notices and establish safety programs                      | 2d                | 29-Dec-14   | 26-Jan-15 A |             | Post OSHA-required notices and...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1070  | Installation of Temporary Facilities as per section 01500                     | 5d                | 17-Dec-14   | 26-Jan-15 A |             | Installation of Temporary Faci...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1080  | Survey Work   | 5d                | 22-Dec-14   | 27-Jan-15 A |             | Survey Work                         |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1090  | Mobilization Summary  | 18d               | 17-Dec-14   | 27-Jan-15 A |             | Mobilization Summary                |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>PreConstruction Submittals</b>                          |   |                   |             |             |             | 15-Mar-15 A, PreConstruction S...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-010   | Preparation & Submit Copy of Bank Guarantee Certificates (for record)         | 1d                | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Copy of B...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-020   | Review & Approval of Bank Guarantee Certificates (for record)                 | 21d               | 16-Dec-14   | 28-Dec-14   |             | Review & Approval of Bank Guar...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-030   | Preparation & Submit Scheduling Qualification Submittal                       | 2d                | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Scheduling...  |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-040   | Review & Approval of Scheduling Qualification Submittal                       | 21d               | 16-Dec-14   | 28-Dec-14   |             | Review & Approval of Scheduling...  |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-050   | Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation) | 2d                | 20-Dec-14   | 05-Jan-15 A |             | Preparation & Submit Prelimina...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-060   | Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation) | 21d               | 05-Jan-15 A | 13-Jan-15 A |             | Review & Approval of Prelimina...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-070   | Preparation & Submit Submittals Schedule                                      | 2d                | 17-Dec-14   | 22-Dec-14   |             | Preparation & Submit Submittal...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-080   | Review & Approval of Submittals Schedule                                      | 21d               | 22-Dec-14   | 27-Jan-15 A |             | Review & Approval of Submittal...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-090   | Preparation & Submit Key Staff  | 2d                | 27-Dec-14   | 15-Jan-15 A |             | Preparation & Submit Key Staff      |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-100   | Review & Approval of Key Staff  | 21d               | 15-Jan-15 A | 19-Jan-15 A |             | Review & Approval of Key Staff      |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-110   | Preparation & Submit Project Temporary Signs                                  | 1d                | 27-Dec-14   | 11-Jan-15 A |             | Preparation & Submit Project T...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-120   | Review & Approval of Project Temporary Signs                                  | 6d                | 11-Jan-15 A | 25-Jan-15 A |             | Review & Approval of Project T...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-130   | Preparation & Submit Engineer's Field Office Location and Layout              | 3d                | 17-Dec-14   | 05-Jan-15 A |             | Preparation & Submit Engineer'...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-140   | Review & Approval of Engineer's Field Office Location and Layout              | 11d               | 05-Jan-15 A | 06-Jan-15 A |             | Review & Approval of Engineer'...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-150   | Preparation & Submit Field Office Furniture and Equipment Plan                | 3d                | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-160   | Review & Approval of Field Office Furniture and Equipment Plan                | 12d               | 16-Dec-14   | 21-Dec-14   |             | Review & Approval of Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-170   | Preparation & Submit Field Office Computer Systems and Miscellaneous          | 2d                | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-180   | Review & Approval of Field Office Computer Systems and Miscellaneous          | 15d               | 16-Dec-14   | 21-Dec-14   |             | Review & Approval of Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-190   | Preparation & Submit Quality Control Plan                                     | 10d               | 17-Dec-14   | 14-Jan-15 A |             | Preparation & Submit Quality C...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-200   | Review & Approval of Quality Control Plan                                     | 21d               | 14-Jan-15 A | 17-Feb-15 A |             | Review & Approval of Quality C...   |     |     |     |     |     |     |     |     |     |     |     |      |     |

█ Actual Work   
 █ Critical Remaining Work   
  Summary  
█ Remaining Work   
 ◆ Milestone















# Annex K:

## One Month Look ahead Schedule





# Annex L:

## Completed and in progress activities

| Activity ID  | Activity Name   | Original Duration | Start       | Finish      | Total Float | 2015                                |     |     |     |     |     |     |     |     |     |     |     | 2016                                |     |
|--|---|-------------------|-------------|-------------|-------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------|-----|
|  |   |                   |             |             |             | Oct                                 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct                                 | Nov |
| <b>Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road</b> |   |                   |             |             |             | 01-Oct-15 A, Revised R02 - T        |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| <b>Milestones</b>  |   |                   |             |             |             | 01-Oct-15 A, Milestones             |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| <b>General Milestones</b>                                  |   |                   |             |             |             | 01-Oct-15 A, General Milesto        |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| A-1  | Notice to Proceed (NTP)   | 0d                | 15-Dec-14   |             |             | ◆ Notice to Proceed (NTP)           |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| A-2  | Project Completion  | 0d                |             | 01-Oct-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Project Completion                |     |
| <b>Intermediate Milestones</b>                             |   |                   |             |             |             | 01-Oct-15 A, Intermediate Mi        |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| IA-01  | Start of Mobilization   | 0d                | 15-Dec-14   |             |             | ◆ Start of Mobilization             |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| IA-02  | Finish of Mobilization  | 0d                |             | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Finish of Mobilization            |     |
| IA-03  | Start of Pre-Construction Submittals  | 0d                | 15-Dec-14   |             |             | ◆ Start of Pre-Construction Subm... |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| IA-04  | Finish of Pre-Construction Submittals   | 0d                |             | 15-Mar-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Finish of Pre-Construction Sub... |     |
| IA-05  | Start of Construction Submittals  | 0d                | 15-Dec-14   |             |             | ◆ Start of Construction Submitta... |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| IA-06  | Finish of Construction Submittals   | 0d                |             | 01-Oct-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Finish of Construction Submi      |     |
| IA-07  | Start of Construction at Segment A  | 0d                | 09-Mar-15 A |             |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Start of Construction at Segme... |     |
| IA-08  | Finish of Construction at Segment A   | 0d                |             | 01-Oct-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Finish of Construction at Seg     |     |
| IA-09  | Start of Construction at Segment B  | 0d                | 12-Feb-15 A |             |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Start of Construction at Segme... |     |
| IA-10  | Finish of Construction at Segment B   | 0d                |             | 01-Oct-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Finish of Construction at Seg     |     |
| IA-20  | Project Duration  | 178d              | 15-Dec-14   | 01-Oct-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Project Duration                    |     |
| IA-30  | Issuance of VO 01   | 0d                | 15-Jun-15 A |             |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Issuance of VO 01                 |     |
| IA-40  | Issuance of VO 02   | 0d                | 13-Sep-15   |             |             |                                     |     |     |     |     |     |     |     |     |     |     |     | ◆ Issuance of VO 02                 |     |
| <b>PreConstruction Phase</b>                               |   |                   |             |             |             | 15-Mar-15 A, PreConstruction P...   |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| <b>Mobilization</b>  |   |                   |             |             |             | 27-Jan-15 A, Mobilization           |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| MOB1000  | Pre-Construction Dilapidation Survey  | 2d                | 20-Dec-14   | 12-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Pre-Construction Dilapidation ...   |     |
| MOB1010  | Provide, furnish and erect Temporary Project Signs                            | 2d                | 06-Jan-15 A | 26-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Provide, furnish and erect Tem...   |     |
| MOB1020  | Supply and furnish Field Office Furniture and Miscellaneous                   | 2d                | 11-Jan-15 A | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Supply and furnish Field Offic...   |     |
| MOB1030  | Supply and install Field Office Computer Systems and IT Equipments            | 2d                | 13-Jan-15 A | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Supply and install Field Offic...   |     |
| MOB1040  | Arrange for and erect Contractor's work and Storage Yards                     | 9d                | 17-Dec-14   | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Arrange for and erect Contract...   |     |
| MOB1050  | Moving onto the Sites of all Plant and equipments                             | 3d                | 29-Dec-14   | 26-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Moving onto the Sites of all P...   |     |
| MOB1060  | Post OSHA-required notices and establish safety programs                      | 2d                | 29-Dec-14   | 26-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Post OSHA-required notices and...   |     |
| MOB1070  | Installation of Temporary Facilities as per section 01500                     | 5d                | 17-Dec-14   | 26-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Installation of Temporary Faci...   |     |
| MOB1080  | Survey Work   | 5d                | 22-Dec-14   | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Survey Work                         |     |
| MOB1090  | Mobilization Summary  | 18d               | 17-Dec-14   | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Mobilization Summary                |     |
| <b>PreConstruction Submittals</b>                          |   |                   |             |             |             | 15-Mar-15 A, PreConstruction S...   |     |     |     |     |     |     |     |     |     |     |     |                                     |     |
| PC-SUB-010   | Preparation & Submit Copy of Bank Guarantee Certificates (for record)         | 1d                | 15-Dec-14   | 16-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Copy of B...   |     |
| PC-SUB-020   | Review & Approval of Bank Guarantee Certificates (for record)                 | 21d               | 16-Dec-14   | 28-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Bank Guar...   |     |
| PC-SUB-030   | Preparation & Submit Scheduling Qualification Submittal                       | 2d                | 15-Dec-14   | 16-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Schedulin...   |     |
| PC-SUB-040   | Review & Approval of Scheduling Qualification Submittal                       | 21d               | 16-Dec-14   | 28-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Schedulin...   |     |
| PC-SUB-050   | Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation) | 2d                | 20-Dec-14   | 05-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Prelimina...   |     |
| PC-SUB-060   | Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation) | 21d               | 05-Jan-15 A | 13-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Prelimina...   |     |
| PC-SUB-070   | Preparation & Submit Submittals Schedule                                      | 2d                | 17-Dec-14   | 22-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Submittal...   |     |
| PC-SUB-080   | Review & Approval of Submittals Schedule                                      | 21d               | 22-Dec-14   | 27-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Submittal...   |     |
| PC-SUB-090   | Preparation & Submit Key Staff  | 2d                | 27-Dec-14   | 15-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Key Staff      |     |
| PC-SUB-100   | Review & Approval of Key Staff  | 21d               | 15-Jan-15 A | 19-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Key Staff      |     |
| PC-SUB-110   | Preparation & Submit Project Temporary Signs                                  | 1d                | 27-Dec-14   | 11-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Project T...   |     |
| PC-SUB-120   | Review & Approval of Project Temporary Signs                                  | 6d                | 11-Jan-15 A | 25-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Project T...   |     |
| PC-SUB-130   | Preparation & Submit Engineer's Field Office Location and Layout              | 3d                | 17-Dec-14   | 05-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Engineer'...   |     |
| PC-SUB-140   | Review & Approval of Engineer's Field Office Location and Layout              | 11d               | 05-Jan-15 A | 06-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Engineer'...   |     |
| PC-SUB-150   | Preparation & Submit Field Office Furniture and Equipment Plan                | 3d                | 15-Dec-14   | 16-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Field Off...   |     |
| PC-SUB-160   | Review & Approval of Field Office Furniture and Equipment Plan                | 12d               | 16-Dec-14   | 21-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Field Off...   |     |
| PC-SUB-170   | Preparation & Submit Field Office Computer Systems and Miscellaneous          | 2d                | 15-Dec-14   | 16-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Field Off...   |     |
| PC-SUB-180   | Review & Approval of Field Office Computer Systems and Miscellaneous          | 15d               | 16-Dec-14   | 21-Dec-14   |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Field Off...   |     |
| PC-SUB-190   | Preparation & Submit Quality Control Plan                                     | 10d               | 17-Dec-14   | 14-Jan-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Preparation & Submit Quality C...   |     |
| PC-SUB-200   | Review & Approval of Quality Control Plan                                     | 21d               | 14-Jan-15 A | 17-Feb-15 A |             |                                     |     |     |     |     |     |     |     |     |     |     |     | Review & Approval of Quality C...   |     |

█ Actual Work   
 █ Critical Remaining Work   
 ▬ Summary  
█ Remaining Work   
 ◆ Milestone











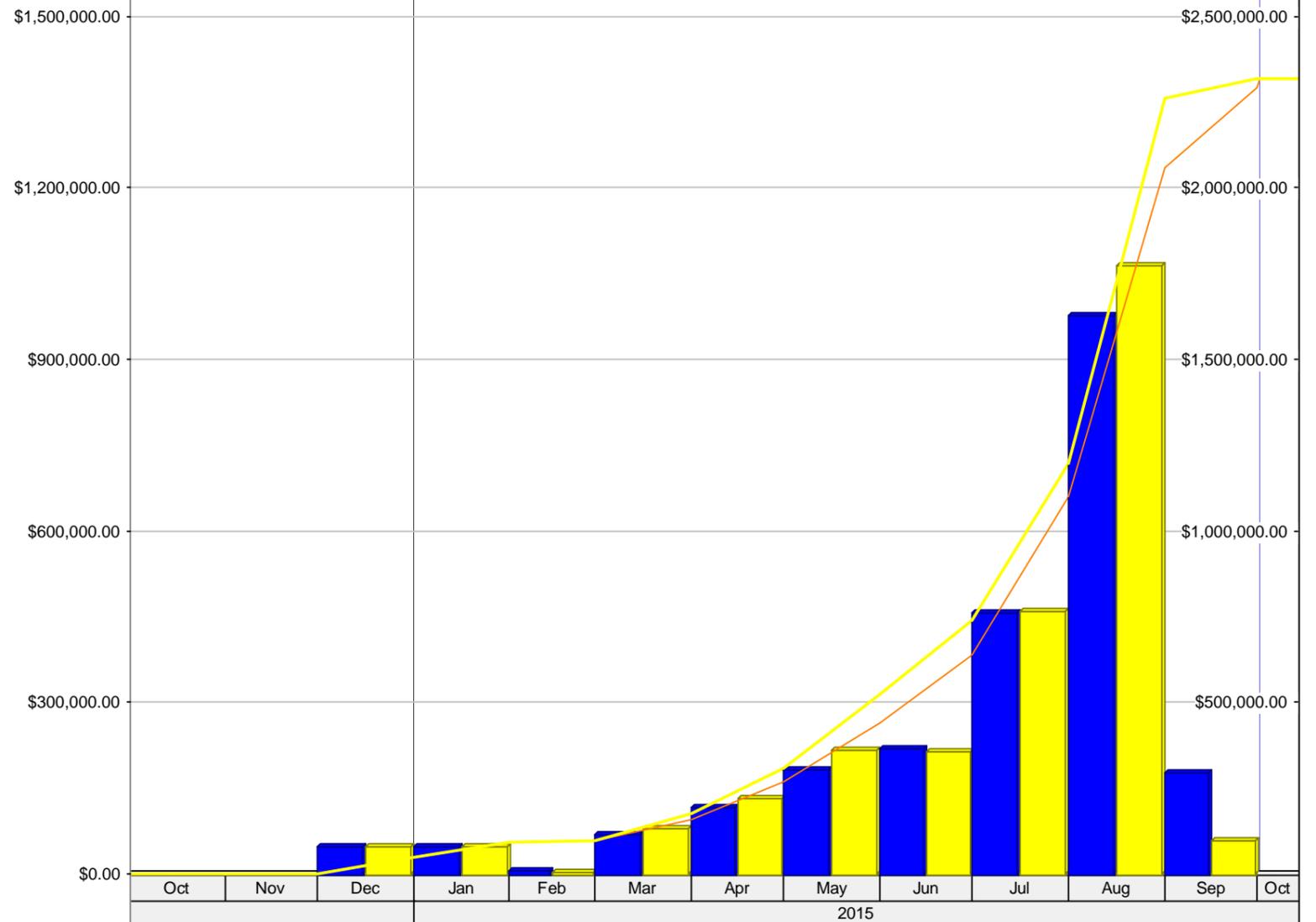




# **Annex M:**

## **Progress S-Curve versus Actual**

| WBS Name   | Start       | Finish      | Schedule % Complete | Cost % of Budget | 2015 |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--|-------------|-------------|---------------------|------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|  |             |             |                     |                  | Oct  | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |  |
| <b>Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road</b> | 15-Dec-14 A | 13-Oct-15   | 100%                | 98.92%           |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| <b>Milestones</b>  | 15-Dec-14 A | 01-Oct-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| General Milestones   | 15-Dec-14 A | 01-Oct-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Intermediate Milestones                                    | 15-Dec-14 A | 01-Oct-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| <b>PreConstruction Phase</b>                               | 15-Dec-14 A | 15-Mar-15 A | 100%                | 100%             |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Mobilization   | 17-Dec-14 A | 27-Jan-15 A | 100%                | 100%             |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| PreConstruction Submittals                                 | 15-Dec-14 A | 15-Mar-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Traffic Control Plan, Coordination and Permits             | 16-Dec-14 A | 27-Jan-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| <b>Construction Phase</b>                                  | 15-Dec-14 A | 01-Oct-15 A | 100%                | 100.06%          |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Construction Submittals                                    | 15-Dec-14 A | 26-Jul-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Procurement  | 25-Jan-15 A | 10-Sep-15 A | 0%                  | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Execution  | 10-Feb-15 A | 01-Oct-15 A | 100%                | 100.06%          |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| <b>Post Construction Phase</b>                             | 01-Oct-15 A | 13-Oct-15   | 100%                | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Post Construction Submittals                               | 03-Oct-15   | 13-Oct-15   | 100%                | 0%               |      |     |     |     |     |     |     |     |     |     |     |     |     |  |



■ Actual Total Cost  
■ Planned Value Cost  
■ Earned Value Cost  
■ BL Project Total Cost

▾ All EPS Elements    ▬ WBS Elements below Project    ▬ Forecast Bar  
▾ All Projects    ▬ Summary



**USAID**  
FROM THE AMERICAN PEOPLE

**WEST BANK/GAZA**

# **Annex N:**

## **Revised CPM Schedule and Narrative Report**



UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT  
WEST BANK / GAZA

LOCAL CONSTRUCTION PROGRAM  
(LCP)

CMC: BLACK & VEATCH

**Revised Original CPM Schedule Submittal**  
**As per VO 02**

Prepared by:



Contract No: AID-294-I-13-00002  
Task Order No: AID-294-TO-15-000001

**To whom it may concern**

This is to certify that the submitted Original CPM Schedule for Task Order No: AID-294-TO-15-000001: **Hebron WWTP Access Road** have been reviewed and approved by the following:

**Task Order Manger:**

Eng. Sameer Al Khaldi

## Revised Narrative report

### 1. Task Order Overview:

#### 1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Water Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects. This project is the first water project under Local Construction Program (LCP).

#### 1.2. Project Objective

The objective of this Task Order is to provide access to the proposed Hebron Regional Waste Water Treatment Plant (WWTP) located to the south of Hebron City. The access road is a key element of this important project which will yield substantial environmental, health, and resource benefits to the people of Hebron.

#### 1.3. Statement Of Work

The Statement of Work (SOW) is as defined in the attachments provided in Section J of this document. The following is a summary description of the project:

- Construction of an approximately 1.0 km two lane access road to the proposed Hebron WWTP including the following features:
  - ✓ Asphalted sidewalks/shoulders
  - ✓ Box culverts
  - ✓ Retaining structures
  - ✓ Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
- Rehabilitation of approximately 1.1 km of existing paved road including the following features:
  - ✓ Widening of the existing road
  - ✓ Asphaltting – Milling & Overlay
- Construction of water and sewer utilities as follows:
  - ✓ 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.
  - ✓ Construction of approximately 600 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.

#### 1.4. Variation Order

| Variation Order  | Impact on the CPM Schedule   |
|--|--|
| <u>Variation Order No. 01</u>  |  |
| <ul style="list-style-type: none"> <li>Changes of the Magnetic Water Flow Meters to Normal Propeller Water Flow Meters.</li> </ul>   | <p>Impacted the project completion date due to period of procurement for Propeller Water Flow Meters.<br/>New activities were added to the original CPM schedule to reflect the above impact.<br/>Also; the cost loading for installation of new chambers was reflected.</p> |
| <ul style="list-style-type: none"> <li>Changes in Road Typical Cross Section and Plan Profile for Road Segment A from Sta. A0+200 to Sta. A1+040</li> </ul>                | <p>New activities were added to capture the new scope of work.</p>   |
| <ul style="list-style-type: none"> <li>New Project Definitive Quantities</li> </ul>  | <p>Impacted the cost loading of all related activities as revised in VO 01.</p>  |
| <u>Variation Order No. 02</u>  |  |
| <ul style="list-style-type: none"> <li>Changes to Layout and Details for Road Section from Sta. A0-020 to Sta. A0+200 including the Intersection at Sta. 0+000.</li> </ul> | <p>New activities were added to capture the new scope of work.</p>   |
| <ul style="list-style-type: none"> <li>Construction of Concrete Ditches at Segment A and B.</li> </ul>   | <p>Additional activities were added for new scope of work</p>  |
| <ul style="list-style-type: none"> <li>New Definitive Quantities.</li> </ul>   | <p>Impacted the cost loading of all related activities as revised in VO 02.</p>  |
| <ul style="list-style-type: none"> <li>Time Extension.</li> </ul>  | <p>Impacted completion date of the project.</p>  |

1.5. Overview Map

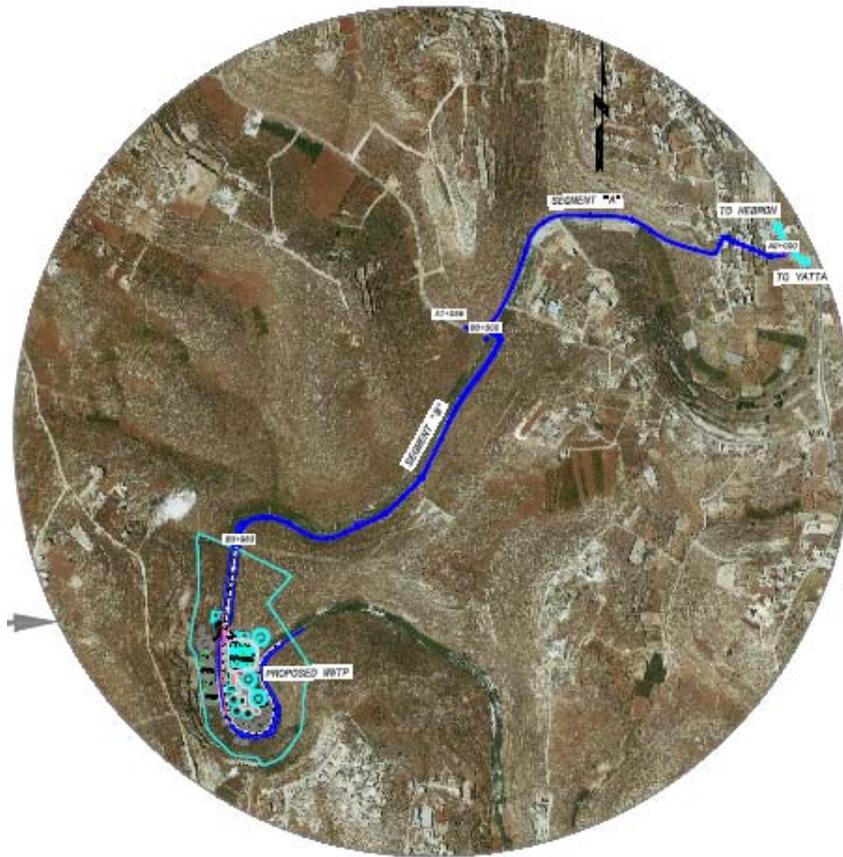


Figure 1: Hebron WWTP Access Road

## 2. Task Order Key Data

|   |   |
|---|---|
| Task Order Name                         | Road Project 1, Hebron WWTP Access Road |
| Contract Number                         | AID-294-I-13-00002                      |
| Task Order Number                       | AID-294-TO-15-000001                    |
| Client                                  | USAID West Bank and Gaza                |
| Contractor                              | Saqqa and Khoudary Co. Ltd. (SAK)       |
| CMC                                     | Black and Veatch (BV)                   |
| Task Order Contract Value               | \$2,598,705.00                          |
| Project Total Amount                    | \$2,448,705.00                          |
| Day work amount                         | \$150,000.00                            |
| Modified Project Total Amount           | \$2,466,661.00                          |
| Modified Day work Amount                | \$132,044.00                            |
| Notice To Proceed                       | December 15, 2014                       |
| Period Of Performance                   | 240 calendar day                        |
| Contractual Completion Date             | August 11, 2015                         |
| Approved Time Extensions                | 51 Calendar days                        |
| Modified Completion Date                | October 01, 2015                        |
| Start of Construction (Ground Breaking) | February 12, 2015                       |

## 3. Contract Milestones:

The contractual milestones are:

**Start Milestone - Notice to Proceed:** December 15, 2014

**Finish Milestone - Project Completion:** October 01, 2015

## 4. Permits

The following permits have been obtained for the work under this Task Order.

- ✓ Hebron Municipality Construction Permits.

## 5. Project Construction Area

- The project construction area within Areas B. Therefore; coordination needed with the District Civil Liaison Office (DCL), Civil Administration Departments, Ma'atz (Israeli National Roads Company), the Israeli Police is not required, however; SAK will coordinate with any other relevant authority or utility that has jurisdiction over any portion of the construction works. Coordination includes, but is not limited to, any work needed to obtain approvals; coordinating the movement of personnel, equipment and materials to and from the project site; and any other coordination required by the relevant authorities to ensure no hindrance of the scheduled completion of the project in a timely manner.
- Time Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

## 6. Traffic Control Plan

The Original CPM Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

Saqqa and Khoudary - SAK will implement the approved traffic control plan prior to starting any work in the road right-of-way/easement and the traffic control plan and safety measures will be maintained during construction activities.

## 7. Safety Program:

Saqqa and Khoudary will post OSHA-required notices and establish safety programs prior to starting any work as per the approved safety plan and stated in section C.9.2 of basic IQC Contract; protect life, property and the environment with respect to all work performed under this IQC.

## 8. Period of Performance

The period of performance for this project ‘**Road Project 1, Hebron WWTP Access Road**’ under this Task Order is 240 calendar days from the date of USAID’s issuance of the Notice to Proceed (NTP) to the date of project completion and acceptance by USAID.

### 1. Task Order Constraints

All schedule constraints were incorporated in the preliminary schedule as required in executed task order section F5.

| Activity Name  | Constraint  |
|--|---|
| Preparation & Submit Copy of <b>Bank Guarantee Certificates</b>          | Within (14) calendar days after the date of Task Order award  |
| Preparation & Submit <b>Scheduling Qualification Submittal</b>           | within 10 Days after Notice to Proceed  |
| Preparation & Submit <b>Key Staff</b>                                    | Due no later than 14 days NTP   |
| Preparation & Submit <b>Quality Control Plan with Testing Lab C.V</b>    | Due no later than 30 days after Notice to Proceed and prior to commencement of any construction activity. |
| Preparation & Submit <b>Safety Plan</b>                                  | Due no later than 28 days after issuance of NTP and prior to commencement of any construction activity.   |
| Preparation & Submit <b>Traffic Control Plan</b>                         | Due prior to commencement of any construction activity.   |
| Preparation & Submit <b>Environmental Monitoring and Mitigation Plan</b> | Due no later than 28 days after issuance of NTP, and prior to commencement of any construction activity.  |
| Preparation & Submit <b>Original CPM Construction Schedule</b>           | Due no later than 28 days after issuance of NTP   |

## 9. SAK General approach and Work Plan

Saqqa and Khoudary will execute and perform the aforementioned task order through its own resources and equipment.

SAK will use the CPM scheduling technique to plan, schedule, and tracking and control the performance of work prior, during, and after construction period of the project.

The Original Baseline Schedule comprise all the detailed construction-related activities using the critical path method (CPM). The Schedule provide sufficient detail and clarity to reflect the intricacies and interdependencies of activities so SAK can plan, schedule, monitor, control and report on the progress of his work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.

The original CPM Schedule show detailed construction-related activities for the entire project including preconstruction, construction and post construction Phase, which consist of mobilization, permit acquisition, submittals necessary for material and equipment procurement, submittals necessary for long lead equipment procurement, shop drawing and method statement submittals.

Saqqa and Khoudary establish the original schedule as follows:

- The project was divided in to three main phases; Preconstruction Phase, Construction Phase and Post Construction phase, in addition to the general and intermediate milestones.
- The **Preconstruction Phase** consist the following:
  - List of Preconstruction Submittals activities that will be submitted during the mobilization period and prior to commencement of any construction activities.
  - List of mobilization activities that will be completed during the initial 30 days after Notice to Proceed (NTP).
  - Coordination activities were scheduled to start immediately after NTP.
- The **Construction Phase** consist the following activities:
  - Construction submittals that include material submittals activities for long lead items including sewer pipes, Construction shop drawing submittals activities for pipelines and chambers, and construction method statement submittals.
  - Procurement activities are planned to be started immediately following approval of long lead items submittals.
  - Execution activities for the Three project component
    - Construction of an approximately 1.0 km two lane access road to the proposed Hebron
    - Rehabilitation of approximately 1.1 km of existing paved road
    - Construction of water and sewer utilities
- The **Post Construction Phase** consist the following activities:
  - Post Construction submittals that include warranties, operation and maintenance manual submittals activities.

For more details, please refer to the original Baseline schedule WBS.

## 10. Revised Work Breakdown Structure WBS:

| WBS Code                        | WBS Name  |
|---------------------------------|---|
| TO-15-01-HAR-Revs-B             | Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road                 |
| TO-15-01-HAR-Revs-B.1           | Milestones  |
| TO-15-01-HAR-Revs-B.1.1         | General Milestones  |
| TO-15-01-HAR-Revs-B.1.2         | Intermediate Milestones   |
| TO-15-01-HAR-Revs-B.2           | PreConstruction Phase   |
| TO-15-01-HAR-Revs-B.2.MOB       | Mobilization  |
| TO-15-01-HAR-Revs-B.2.2         | PreConstruction Submittals  |
| TO-15-01-HAR-Revs-B.2.1         | Traffic Control Plan, Coordination and Permits                      |
| TO-15-01-HAR-Revs-B.3           | Construction Phase  |
| TO-15-01-HAR-Revs-B.3.1         | Construction Submittals   |
| TO-15-01-HAR-Revs-B.3.1.1       | Shopdrawing submittals  |
| TO-15-01-HAR-Revs-B.3.1.1.1     | Water Pipeline Shopdrawing  |
| TO-15-01-HAR-Revs-B.3.1.1.1.1   | 100mm and 50mm Pipes  |
| TO-15-01-HAR-Revs-B.3.1.1.1.2   | Chambers Shopdrawing  |
| TO-15-01-HAR-Revs-B.3.1.1.1.2.1 | Gate Valve Chambers   |
| TO-15-01-HAR-Revs-B.3.1.1.1.2.4 | Connection and Monitoring Chamber                                   |
| TO-15-01-HAR-Revs-B.3.1.1.1.2.2 | AWAR Chambers   |
| TO-15-01-HAR-Revs-B.3.1.1.1.2.3 | WO Washout Chambers   |
| TO-15-01-HAR-Revs-B.3.1.1.5     | Road Shopdrawing (Plan, Profile and Cross section)                  |
| TO-15-01-HAR-Revs-B.3.1.1.5.1   | Segment A (Plan, Profile and Cross section)                         |
| TO-15-01-HAR-Revs-B.3.1.1.5.2   | Segment B (Plan, Profile and Cross section)                         |
| TO-15-01-HAR-Revs-B.3.1.1.3     | Concrete Wall   |
| TO-15-01-HAR-Revs-B.3.1.1.4     | Culvert   |
| TO-15-01-HAR-Revs-B.3.1.1.2     | Sewer Line  |
| TO-15-01-HAR-Revs-B.3.1.2       | Material Submittals   |
| TO-15-01-HAR-Revs-B.3.1.2.1     | Mechanical Material Submittals                                      |
| TO-15-01-HAR-Revs-B.3.1.2.2     | CIVI Material Submittals  |
| TO-15-01-HAR-Revs-B.3.1.2.3     | Electrical Material Submittals                                      |
| TO-15-01-HAR-Revs-B.3.1.3       | Method Statement  |
| TO-15-01-HAR-Revs-B.3.1.4       | Miscellaneous   |
| TO-15-01-HAR-Revs-B.3.5         | Procurement   |
| TO-15-01-HAR-Revs-B.3.2         | Execution   |
| TO-15-01-HAR-Revs-B.3.2.1       | Road Segment A  |
| TO-15-01-HAR-Revs-B.3.2.2       | Road Segment B  |
| TO-15-01-HAR-Revs-B.3.2.2.5     | Box Culvert and Road Seg. B from Station 0+000 to Station 0+070     |
| TO-15-01-HAR-Revs-B.3.2.2.1     | Road Seg. B from Station 0+070 to Station 0+230                     |
| TO-15-01-HAR-Revs-B.3.2.2.1.2   | Installation of 50mm Pipe and chambers                              |
| TO-15-01-HAR-Revs-B.3.2.2.1.1   | Concrete Work   |
| TO-15-01-HAR-Revs-B.3.2.2.4     | Road Seg. B from Station 0+230 to Station 0+963                     |
| TO-15-01-HAR-Revs-B.3.2.2.3     | Sewer Trunk Line  |
| TO-15-01-HAR-Revs-B.3.2.2.2     | Asphalting  |
| TO-15-01-HAR-Revs-B.3.2.5       | Mechanical and Electrical Installation and Testing for Seg. A and B |
| TO-15-01-HAR-Revs-B.3.2.3       | Miscellaneous   |
| TO-15-01-HAR-Revs-B.4           | Post Construction Phase   |
| TO-15-01-HAR-Revs-B.4.1         | Post Construction Submittals  |

## **11. Work Groups and Crews:**

The construction work plan was established based on the following work groups and crews:  
Works will be divided into 4 groups (multiple crews) and two segments:

### **Group 1: Pipelines**

- Crews will install the pipelines (excavation and backfilling).
- Crews will install the pipes.
- Crew will install the chambers.
- Crew will rehabilitate the sites.

### **Group 2: Sewer Pipes (Concrete Pipes)**

- Crews will install the pipelines (excavation and backfilling).
- Crews will install the pipes.
- Crew will install the chambers.
- Crew will rehabilitate the sites.

### **Group 3: Retaining Walls.**

### **Group 4: Asphalt Works.**

- ✓ Crew for Pipe lines excavation, Bedding Installation and Backfilling including required testing during installation, productivity rate: 100-150 linear meters per day.
- ✓ Concrete chamber crew: 4-5 chambers per month
- ✓ Road work crew:  
This crew will be responsible of all road activities; including excavation, filling horizontal layer, spreading and compaction of sub base layers, spreading and compaction of base course layers, Supplying, spreading and compacting bituminous wearing course, concrete work and road marking.
  - Excavation crew : 150-300 cubic meters per day
  - Sub Base crew: 1000 – 1200 m<sup>2</sup> per day
  - Base course crew: 1000 – 1200 m<sup>2</sup> per day
  - Asphalt Crew: 2000 – 2200 m<sup>2</sup> of asphalt per day
  - Sewer Pipe crew: 25 – 30 m per day

For more details regarding the Work Crews, Manpower and Equipment for each crew please refer to below table:









## **12. Revised Sequence of work and logic Network:**

- ✓ Based on the above-mentioned work groups and crews and the task order scope of work, the construction related activities was planned and sequence to minimize public disruption and to complete the project with the time frame.
- ✓ The execution activities were scheduled to be started following approval and implementation of traffic control plan and safety measures.
- ✓ The execution activities will be started following arrival of material and approval of all related construction submittals.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.

### **The general sequence of work will be as follow:**

#### **A. Segment A:**

1. Install of 4" steel pipes includes the road reinstatement.
2. Excavation for widening the road from the left side.
3. Excavation for widening the road from the right side.
4. Removal of the existing asphalt layer.
5. Subgrade Preparation.
6. Base course layer.
7. Asphalt binder course.

#### **B. Segment B:**

##### **A. STA: 0+000 to STA: 0+070:**

- a. Excavation.
- b. Construct of Box Culvert and extension retaining walls.
- c. Install of 2" pipeline.
- d. Base course works.
- e. Asphalt works.

##### **B. STA: 0+070 to STA: 0+230:**

- f. Cut/Fill.
- g. Construct of retaining walls.
- h. Construct of Pipe culvert.
- i. Install of 2" pipelines.
- j. Subgrade level.
- k. Base course works.
- l. Asphalt works.

##### **C. STA: 0+230 to STA: 0+983:**

- a. Cut/Fill.
- b. Install of 2" pipelines.
- c. Subgrade level.
- d. Base course works.
- e. Asphalt works.

#### **C. Sewer Pipes (Concrete Pipes)**

1. Install of concrete pipes ( $\Phi$  60").
2. Install of 14 chambers.

## Scheduling assumptions

### **12.1. Project Constraint:**

All schedule constraints were incorporated in the original CPM schedule as required in executed task order section F5.

| <b>Activity Name</b>   | <b>Constraint</b>   |
|--|---|
| Start Milestone - <b>Notice to Proceed</b>                               | December 15, 2014   |
| Finish Milestone - <b>Project Completion:</b>                            | October 01, 2015  |
| Preparation & Submit Copy of <b>Bank Guarantee Certificates</b>          | Within (14) calendar days after the date of Task Order award  |
| Preparation & Submit <b>Scheduling Qualification Submittal</b>           | within 10 Days after Notice to Proceed  |
| Preparation & Submit <b>Key Staff</b>                                    | Due no later than 14 days NTP   |
| Preparation & Submit <b>Quality Control Plan with Testing Lab C.V</b>    | Due no later than 30 days after issuance of Notice to Proceed and prior to commencement of any construction activity. |
| Preparation & Submit <b>Safety Plan</b>                                  | Due no later than 28 days after issuance of NTP and prior to commencement of any construction activity.               |
| Preparation & Submit <b>Traffic Control Plan</b>                         | Due prior to commencement of any construction activity.   |
| Preparation & Submit <b>Environmental Monitoring and Mitigation Plan</b> | Due no later than 28 days after issuance of NTP, and prior to commencement of any construction activity.              |
| Preparation & Submit <b>Original CPM Construction Schedule</b>           | Due no later than 28 days after issuance of NTP   |

### **12.2. Activity Codes:**

A: General Milestone  
 IA: Intermediate Milestone  
 MOB: Mobilization  
 PC-SUB: Preconstruction Submittals  
 R&A: Review and Approval  
 COR: Coordination activities  
 CS: Construction Submittals  
 MMS: Mechanical Material Submittals  
 CMS: Civil Material Submittals  
 EMS: Civil Material Submittals  
 MS: Method Statement submittals  
 MIS: Miscellaneous  
 PRO: Procurement  
 E: Execution activities  
 PCS: Post Construction Submittals

### 12.3. Calendars:

Three types of calendars were used for the original CPM schedule as follows:

- 7-Day Workweek (without holidays): for Milestones activities
  - Working Days: 7 days / week.
  - Working Hours: 8 hours / day.
- HAR - 6 Day Work: for Contractor's activities:
  - Working Days: 6 days / week
  - Working Hours: 8 hours / day
  - Weekly Holiday: Friday
  - Including local holidays listed below.
  - Including rainy days listed below.
- HAR - 5 Day Work: for Engineer's activities:
  - Working Days: 5 days / week
  - Working Hours: 8 hours / day
  - Weekly Holiday: Friday and Saturday.
  - Including local holidays listed below.
- Working Hours (Normal): 8 hours / day,
- Working Hours during month of Ramadan: Saturday – Thursday, 5 hours / day,

During the Ramadan period, the Governmental Authorities, utility agencies, and many other organizations work short hours, normally from 9:00 a.m. to 2:00 p.m. (unless otherwise announced by the Palestinian Government). Traffic patterns change at this time. SAK will accommodate and revise their operations during this period according to their actual working hour requirements.

- Official Palestinian Holidays:
  - ✓ November 15, 2014: Independence Day (Palestinian State Declaration)
  - ✓ December 25, 2014: Christmas Day (Western calendar).
  - ✓ January 01, 2015: National Day
  - ✓ April 12, 2015: Easter Day (Eastern)
  - ✓ May 01, 2015: Labor Day (International)
  - ✓ July 18 to July 20, 2015: Eid al-Fitr (Feast of Breaking the Fast)
  - ✓ September 23 to September 27, 2015: Eid al-Adha (Feast of the Sacrifice)
  - ✓ November 15, 2015: Independence Day (Palestinian State Declaration)
  - ✓ December 25, 2015: Christmas Day (Western calendar).
  - ✓ Any public holiday that falls on a Friday will be taken on a Thursday but if that Thursday is part of the holiday then the preceding non-holiday day will be taken instead
  - ✓ Any public holiday that falls on a Saturday (for HAR - 5 Day Work ) will be taken on a Sunday but if that Sunday is part of the holiday then the following non-holiday day will be taken instead
- Weather Delays:

The project geographic area has a rainy weather season. SAK is familiar with local climatological conditions and adjust the schedule accordingly. The weather data will be obtained during construction from a reputable source and will be reported on the daily joint reports. The CPM schedule includes 12 days of delay in accordance with FAR 52.236-3.

✓ **Actual Rainy Days**

| Date              | Weather |
|-------------------|---------|
| January 2, 2015   | Rain    |
| January 3, 2015   | Rain    |
| January 4, 2015   | Rain    |
| January 5, 2015   | Rain    |
| January 6, 2015   | Rain    |
| January 7, 2015   | Snow    |
| January 8, 2015   | snow    |
| January 9, 2015   | snow    |
| January 10, 2015  | Rain    |
| January 11, 2015  | Rain    |
| January 16, 2015  | Rain    |
| February 15, 2015 | Rain    |
| February 18, 2015 | Rain    |
| February 19, 2015 | Rain    |
| February 20, 2015 | Snow    |
| February 21, 2015 | Snow    |
| March 4, 2015     | Rainy   |
| April 1, 2015     | Rainy   |
| April 10, 2015    | Rainy   |
| April 12, 2015    | Rainy   |
| April 16, 2015    | Rainy   |

**Work stoppage resulted from landowner objections (Outside Contractor's Control)**

During construction activities of Hebron WWTP Access Road at Segment A and Segment B, several obstructions and landowner objections were occurred which resulted in work stoppage as indicated in blow table.

| Date           | Causative Factor       | Affected Activity  | Time Impact | Reference                         |
|----------------|------------------------|--|-------------|-----------------------------------|
| April 14, 2015 | Land owners objections | Excavation works at seg.B from Sta.B0+840- Sta.0+980   | 1           | DJR                               |
| April 15, 2015 | Land owners objections | Excavation works at seg.B from Sta.B0+840- Sta.0+980   | 1           | DJR                               |
| April 18, 2015 | Land owners objections | Excavation works at seg.B from Sta.B0+840- Sta.0+980   | 1           | DJR                               |
| April 26, 2015 | Land owners objections | Excavation works at seg.A  | 1           | DJR and SM -15-01-HAR-C-E-003     |
| April 27, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+250- Sta.0+700   | 1           | DJR and SM -15-000001-HAR-C-E-003 |
| April 28, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+250- Sta.0+700   | 1           | DJR                               |
| April 29, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+250- Sta.0+700   | 1           | DJR                               |
| April 30, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+250- Sta.0+700   | 1           | DJR                               |
| May 2, 2015    | Land owners objections | Excavation works at seg.A from Sta.A0+250- Sta.0+700   | 1           | DJR                               |
| May 3, 2015    | Land owners objections | Excavation works at seg.A Sta.A0+250- Sta.0+700  | 1           | DJR                               |
| May 9, 2015    | Land owners objections | Excavation works at seg.A from Sta.A0+700- Sta.0+780   | 1           | DJR                               |
| May 10, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+760- Sta.0+900   | 1           | DJR                               |
| May 11, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+760- Sta.0+900   | 1           | DJR                               |
| May 12, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+760- Sta.0+900   | 1           | DJR                               |
| May 13, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+760- Sta.0+900   | 1           | DJR                               |
| May 14, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+780,<br>Retaining Wall works at seg.A from Sta.0+206- Sta.0+257 | 1           | DJR and SM -15-000001-HAR-C-E-004 |
| May 16, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+780<br>Retaining Wall works at seg.A from Sta.0+206- Sta.0+257  | 1           | DJR                               |
| May 17, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+780   | 3           | DJR and SM -15-000001-HAR-C-E-005 |
| May 18, 2015   |                        | Excavation works at seg. A from Sta. A0+230- Sta.A0+480  |             |                                   |
| May 19, 2015   |                        | Retaining Wall works at seg.A from Sta.0+206- Sta.0+257  |             |                                   |
| May 20, 2015   | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+780   | 6           | DJR and SM -15-000001-HAR-C-E-006 |
| May 21, 2015   |                        | Retaining Wall works at seg.A from Sta.0+206- Sta.0+257  |             |                                   |
| May 23, 2015   |                        | Excavation works of box culvert at Seg.B from Sta.0+008- Sta.0+036   |             |                                   |
| May 24, 2015   |                        |  |             |                                   |
| May 25, 2015   |                        |  |             |                                   |
| May 26, 2015   |                        |  |             |                                   |

|              |                        |  |    |     |
|--------------|------------------------|--|----|-----|
| May 27, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+780                       | 3  | DJR |
| May 28, 2015 |                        | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034 |    | DJR |
| May 30, 2015 |                        |  |    | DJR |
| May 31, 2015 | Land owners objections | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034 | 1  | DJR |
| June 1, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+760 RHS                   | 1  | DJR |
|              |                        | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034 |    |     |
| June 2, 2015 | Land owners objections | Excavation works at seg.A from Sta.A0+720- Sta.0+760 RHS                   | 1  | DJR |
|              |                        | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034 |    |     |
| June 3, 2015 | Land owners objections | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034 | 4  | DJR |
| June 4, 2015 |                        |  |    |     |
| June 6, 2015 |                        |  |    |     |
| June 7, 2015 |                        |  |    |     |
| July 1, 2015 | Land owners objections | Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+042 | 3  | DJR |
| July 2, 2015 |                        |  |    |     |
| July 4, 2015 |                        |  |    |     |
| <b>Total</b> |                        |  | 39 |     |

**The Revised CPM Schedule was modified as per approved Variation Order Number 01, and does not reflect the impact of the aforementioned delays on the project completion date.**

**Therefore; Saqqa and Khoudary reserves its right to request additional time extension to compensate the above mentioned delays.**

#### **12.4. Duration Estimates:**

The activities included in the CPM Schedule defined in work days. Durations based on the labor (crafts), equipment, and materials required performing each activity on a normal workday basis. Maximum Activity durations is 20 working days or less except in the case of non-construction activities such as procurement of materials and delivery of equipment.

Duration estimate based on the Productivity rates mentioned above.

For submittal review activities, the original duration was established to be 21 working days associated with project calendar of 5 day work week, which is equal to 30 calendar days as per contract specifications

#### **12.5. Primavera Setting**

##### **A. Schedule Options:**

- i. defined as “Use expected finish dates”;
- ii. Scheduling progressed activities set as “Use only retained logic”, not progress override option;
- iii. Critical Path activities defined as Total Float less than or equal to zero;
- iv. Calculating start-to-start lag from “early start” dates; and computing total float as “finish float = late finish – early finish”;
- v. Calendar set for scheduling relationship lag as “Predecessor Activity Calendar.”

B. Activity progress will be shown using Remaining Duration. Date format DDMMYY.

C. The Default activity type is “Independent Task”.

D. Date/time activity constraint(s): included in the original BL schedule as per executed task order  
Section F.5 REPORTS AND DELIVERABLES OR OUTPUTS.

**12.6. Scheduling setting**

- Scheduling .....Yes
- Leveling .....No
- Ignore relationships to and from other projects .....No
- Make open-ended activities critical .....No
- Use Expected Finish Dates .....Yes
- Schedule automatically when a change affects dates .....No
- Level resources during scheduling .....No
- Recalculate assignment costs after scheduling .....No
- When scheduling progressed activities use .....Retained Logic
- Calculate start-to-start lag from .....Early Start
- Define critical activities as Total Float less than or equal to 0
- Compute Total Float as .....Finish Float
- Calculate float based on finish date of .....Each project
- Calendar for scheduling Relationship Lag .....Predecessor Activity Calendar

**12.7. Scheduling Statistics:**

- # Projects.....1
  - # Activities.....295
  - # Not Started.....76
  - # In Progress.....32
  - # Completed.....187
  - # Relationships.....631
  - # Activities with Constraint.....12
- |           |            |   |
|-----------|------------|---|
| Activity: | A-1        | Notice to Proceed (NTP)   |
| Activity: | A-2        | Project Completion  |
| Activity: | IA-02      | Finish of Mobilization  |
| Activity: | IA-04      | Finish of Pre-Construction Submittals   |
| Activity: | IA-30      | Issuance of VO 01   |
| Activity: | PC-SUB-030 | Preparation & Submit Scheduling Qualification Submittal                       |
| Activity: | PC-SUB-050 | Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation) |
| Activity: | PC-SUB-190 | Preparation & Submit Quality Control Plan                                     |
| Activity: | PC-SUB-210 | Preparation & Submit Safety Plan  |
| Activity: | PC-SUB-230 | Preparation & Submit Environmental Monitoring and Mitigation Plan             |
| Activity: | PC-SUB-270 | Preparation & Submit Original CPM Construction Schedule                       |
| Activity: | PC-SUB-280 | Review & Approval of Original CPM Construction Schedule                       |

**Report for:**  
**Activities sorted by Early Start and Total Float**

| Activity ID  | Activity Name   | Original Duration | Start       | Finish      | Total Float | 2015                                |     |     |     |     |     |     |     |     |     |     |     | 2016 |     |
|--|---|-------------------|-------------|-------------|-------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
|  |   |                   |             |             |             | Oct                                 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct  | Nov |
| <b>Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road</b> |   |                   |             |             |             | 01-Oct-15, Revised R02 - TC         |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Milestones</b>  |   |                   |             |             |             | 01-Oct-15, Milestones               |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>General Milestones</b>                                  |   |                   |             |             |             | 01-Oct-15, General Milestone        |     |     |     |     |     |     |     |     |     |     |     |      |     |
| A-1  | Notice to Proceed (NTP)   | 0.00              | 15-Dec-14   |             |             | ◆ Notice to Proceed (NTP)           |     |     |     |     |     |     |     |     |     |     |     |      |     |
| A-2  | Project Completion  | 0.00              |             | 01-Oct-15*  | 0.00        | ◆ Project Completion                |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Intermediate Milestones</b>                             |   |                   |             |             |             | 01-Oct-15, Intermediate Miles       |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-01  | Start of Mobilization   | 0.00              | 15-Dec-14   |             |             | ◆ Start of Mobilization             |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-02  | Finish of Mobilization  | 0.00              |             | 27-Jan-15 A |             | ◆ Finish of Mobilization            |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-03  | Start of Pre-Construction Submittals  | 0.00              | 15-Dec-14   |             |             | ◆ Start of Pre-Construction Subm... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-04  | Finish of Pre-Construction Submittals   | 0.00              |             | 15-Mar-15 A |             | ◆ Finish of Pre-Construction Sub... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-05  | Start of Construction Submittals  | 0.00              | 15-Dec-14   |             |             | ◆ Start of Construction Submitta... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-06  | Finish of Construction Submittals   | 0.00              |             | 11-Sep-15   | 21.00       | ◆ Finish of Construction Submitt... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-07  | Start of Construction at Segment A  | 0.00              | 09-Mar-15 A |             |             | ◆ Start of Construction at Segme... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-08  | Finish of Construction at Segment A   | 0.00              |             | 22-Sep-15   | 8.00        | ◆ Finish of Construction at Segm    |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-09  | Start of Construction at Segment B  | 0.00              | 12-Feb-15 A |             |             | ◆ Start of Construction at Segme... |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-10  | Finish of Construction at Segment B   | 0.00              |             | 28-Sep-15   | 1.87        | ◆ Finish of Construction at Segr    |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-20  | Project Duration  | 177.63            | 15-Dec-14   | 01-Oct-15   | 0.00        | Project Duration                    |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-30  | Issuance of VO 01   | 0.00              | 15-Jun-15 A |             |             | ◆ Issuance of VO 01                 |     |     |     |     |     |     |     |     |     |     |     |      |     |
| IA-40  | Issuance of VO 02   | 0.00              | 11-Sep-15   |             |             | ◆ Issuance of VO 02                 |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>PreConstruction Phase</b>                               |   |                   |             |             |             | 15-Mar-15 A, PreConstruction P...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>Mobilization</b>  |   |                   |             |             |             | 27-Jan-15 A, Mobilization           |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1000  | Pre-Construction Dilapidation Survey  | 2.00              | 20-Dec-14   | 12-Jan-15 A |             | Pre-Construction Dilapidation ...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1010  | Provide, furnish and erect Temporary Project Signs                            | 2.00              | 06-Jan-15 A | 26-Jan-15 A |             | Provide, furnish and erect Tem...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1020  | Supply and furnish Field Office Furniture and Miscellaneous                   | 2.00              | 11-Jan-15 A | 27-Jan-15 A |             | Supply and furnish Field Offic...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1030  | Supply and install Field Office Computer Systems and IT Equipments            | 2.00              | 13-Jan-15 A | 27-Jan-15 A |             | Supply and install Field Offic...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1040  | Arrange for and erect Contractor's work and Storage Yards                     | 9.00              | 17-Dec-14   | 27-Jan-15 A |             | Arrange for and erect Contract...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1050  | Moving onto the Sites of all Plant and equipments                             | 3.00              | 29-Dec-14   | 26-Jan-15 A |             | Moving onto the Sites of all P...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1060  | Post OSHA-required notices and establish safety programs                      | 2.00              | 29-Dec-14   | 26-Jan-15 A |             | Post OSHA-required notices and...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1070  | Installation of Temporary Facilities as per section 01500                     | 5.00              | 17-Dec-14   | 26-Jan-15 A |             | Installation of Temporary Faci...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1080  | Survey Work   | 5.00              | 22-Dec-14   | 27-Jan-15 A |             | Survey Work                         |     |     |     |     |     |     |     |     |     |     |     |      |     |
| MOB1090  | Mobilization Summary  | 18.00             | 17-Dec-14   | 27-Jan-15 A |             | Mobilization Summary                |     |     |     |     |     |     |     |     |     |     |     |      |     |
| <b>PreConstruction Submittals</b>                          |   |                   |             |             |             | 15-Mar-15 A, PreConstruction S...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-010   | Preparation & Submit Copy of Bank Guarantee Certificates (for record)         | 1.00              | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Copy of B...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-020   | Review & Approval of Bank Guarantee Certificates (for record)                 | 21.00             | 16-Dec-14   | 28-Dec-14   |             | Review & Approval of Bank Guar...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-030   | Preparation & Submit Scheduling Qualification Submittal                       | 2.00              | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Schedulin...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-040   | Review & Approval of Scheduling Qualification Submittal                       | 21.00             | 16-Dec-14   | 28-Dec-14   |             | Review & Approval of Schedulin...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-050   | Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation) | 2.00              | 20-Dec-14   | 05-Jan-15 A |             | Preparation & Submit Prelimina...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-060   | Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation) | 21.00             | 05-Jan-15 A | 13-Jan-15 A |             | Review & Approval of Prelimina...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-070   | Preparation & Submit Submittals Schedule                                      | 2.00              | 17-Dec-14   | 22-Dec-14   |             | Preparation & Submit Submittal...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-080   | Review & Approval of Submittals Schedule                                      | 21.00             | 22-Dec-14   | 27-Jan-15 A |             | Review & Approval of Submittal...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-090   | Preparation & Submit Key Staff  | 2.00              | 27-Dec-14   | 15-Jan-15 A |             | Preparation & Submit Key Staff      |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-100   | Review & Approval of Key Staff  | 21.00             | 15-Jan-15 A | 19-Jan-15 A |             | Review & Approval of Key Staff      |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-110   | Preparation & Submit Project Temporary Signs                                  | 1.00              | 27-Dec-14   | 11-Jan-15 A |             | Preparation & Submit Project T...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-120   | Review & Approval of Project Temporary Signs                                  | 6.00              | 11-Jan-15 A | 25-Jan-15 A |             | Review & Approval of Project T...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-130   | Preparation & Submit Engineer's Field Office Location and Layout              | 3.00              | 17-Dec-14   | 05-Jan-15 A |             | Preparation & Submit Engineer'...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-140   | Review & Approval of Engineer's Field Office Location and Layout              | 11.00             | 05-Jan-15 A | 06-Jan-15 A |             | Review & Approval of Engineer'...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-150   | Preparation & Submit Field Office Furniture and Equipment Plan                | 3.00              | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-160   | Review & Approval of Field Office Furniture and Equipment Plan                | 12.00             | 16-Dec-14   | 21-Dec-14   |             | Review & Approval of Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-170   | Preparation & Submit Field Office Computer Systems and Miscellaneous          | 2.00              | 15-Dec-14   | 16-Dec-14   |             | Preparation & Submit Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-180   | Review & Approval of Field Office Computer Systems and Miscellaneous          | 15.00             | 16-Dec-14   | 21-Dec-14   |             | Review & Approval of Field Off...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-190   | Preparation & Submit Quality Control Plan                                     | 10.00             | 17-Dec-14   | 14-Jan-15 A |             | Preparation & Submit Quality C...   |     |     |     |     |     |     |     |     |     |     |     |      |     |
| PC-SUB-200   | Review & Approval of Quality Control Plan                                     | 21.00             | 14-Jan-15 A | 17-Feb-15 A |             | Review & Approval of Quality C...   |     |     |     |     |     |     |     |     |     |     |     |      |     |

█ Actual Work   
 █ Critical Remaining Work   
  Summary  
█ Remaining Work   
 ◆ Milestone











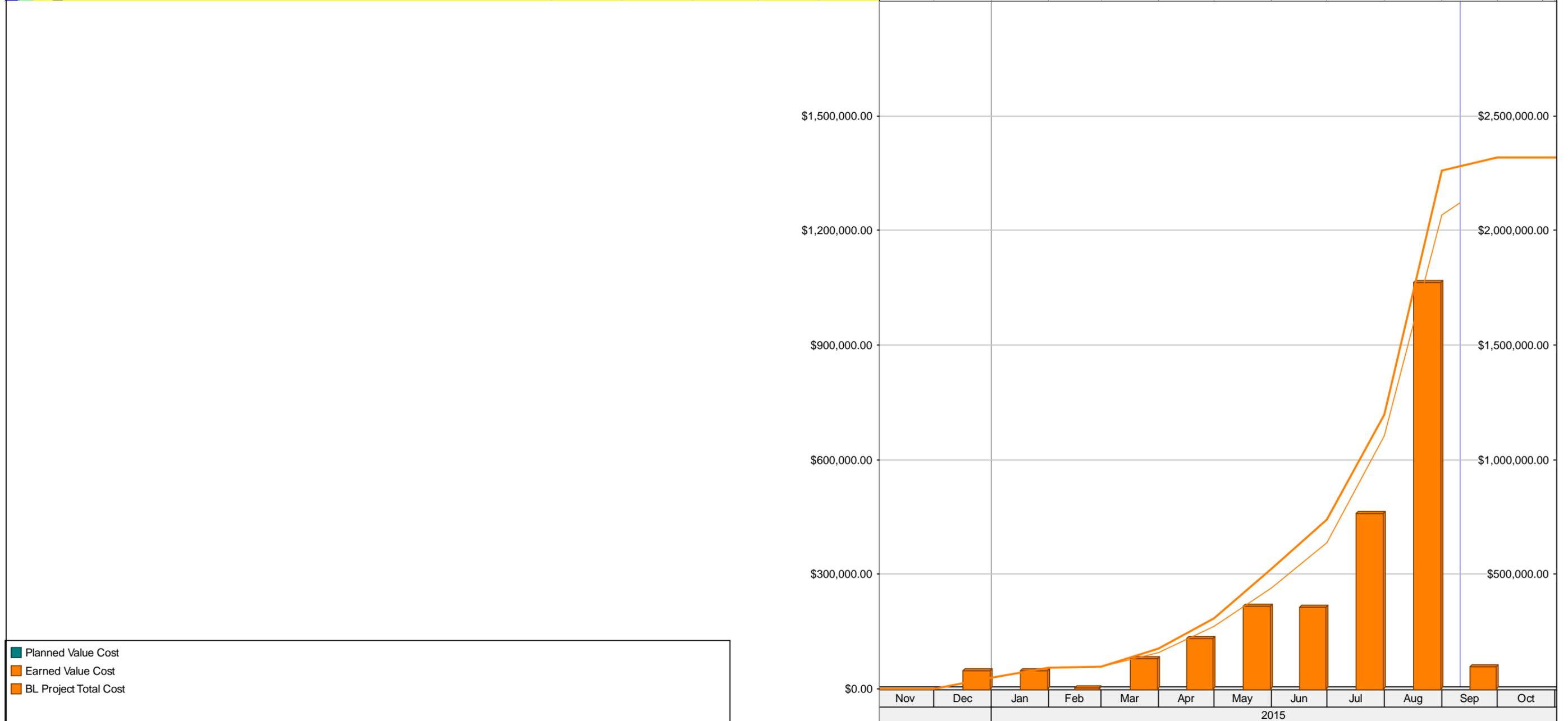


**Report for:**  
**Summary Schedule – WBS**

| WBS Code                         | WBS Name   |
|----------------------------------|--|
| TO-15-01-Revised R02             | Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road                  |
| TO-15-01-Revised R02.1           | Milestones   |
| TO-15-01-Revised R02.1.1         | General Milestones   |
| TO-15-01-Revised R02.1.2         | Intermediate Milestones  |
| TO-15-01-Revised R02.2           | PreConstruction Phase  |
| TO-15-01-Revised R02.2.MOB       | Mobilization   |
| TO-15-01-Revised R02.2.2         | PreConstruction Submittals   |
| TO-15-01-Revised R02.2.1         | Traffic Control Plan, Coordination and Permits                       |
| TO-15-01-Revised R02.3           | Construction Phase   |
| TO-15-01-Revised R02.3.1         | Construction Submittals  |
| TO-15-01-Revised R02.3.1.1       | Shopdrawing submittals   |
| TO-15-01-Revised R02.3.1.1.1     | Water Pipeline Shopdrawing   |
| TO-15-01-Revised R02.3.1.1.1.1   | 100mm and 50mm Pipes   |
| TO-15-01-Revised R02.3.1.1.1.2   | Chambers Shopdrawing   |
| TO-15-01-Revised R02.3.1.1.1.2.1 | Gate Valve Chambers  |
| TO-15-01-Revised R02.3.1.1.1.2.4 | Connection and Monitoring Chamber                                    |
| TO-15-01-Revised R02.3.1.1.1.2.2 | AVAR Chambers  |
| TO-15-01-Revised R02.3.1.1.1.2.3 | WO Washout Chambers  |
| TO-15-01-Revised R02.3.1.1.5     | Road Shopdrawing (Plan, Profile and Cross section)                   |
| TO-15-01-Revised R02.3.1.1.5.1   | Segment A (Plan, Profile and Cross section)                          |
| TO-15-01-Revised R02.3.1.1.5.2   | Segment B (Plan, Profile and Cross section)                          |
| TO-15-01-Revised R02.3.1.1.3     | Concrete Wall  |
| TO-15-01-Revised R02.3.1.1.4     | Culvert  |
| TO-15-01-Revised R02.3.1.1.2     | Sewer Line   |
| TO-15-01-Revised R02.3.1.2       | Material Submittals  |
| TO-15-01-Revised R02.3.1.2.1     | Mechanical Material Submittals                                       |
| TO-15-01-Revised R02.3.1.2.2     | Civil Material Submittals  |
| TO-15-01-Revised R02.3.1.2.3     | Electrical Material Submittals                                       |
| TO-15-01-Revised R02.3.1.3       | Method Statement   |
| TO-15-01-Revised R02.3.1.4       | Miscellaneous  |
| TO-15-01-Revised R02.3.5         | Procurement  |
| TO-15-01-Revised R02.3.2         | Execution  |
| TO-15-01-Revised R02.3.2.1       | Road Segment A   |
| TO-15-01-Revised R02.3.2.1.4     | Road Segment A - Left Hand Side                                      |
| TO-15-01-Revised R02.3.2.1.4.2   | Installation of 100mm Pipe and chambers                              |
| TO-15-01-Revised R02.3.2.1.4.1   | Widening of left hand side of existing Road                          |
| TO-15-01-Revised R02.3.2.1.1     | Road Segment A - Right Hand Side                                     |
| TO-15-01-Revised R02.3.2.1.1.1   | Widening of Right hand side of existing Road                         |
| TO-15-01-Revised R02.3.2.1.1.2   | Concrete Work  |
| TO-15-01-Revised R02.3.2.1.3     | Asphalting – Milling & Overlay                                       |
| TO-15-01-Revised R02.3.2.1.2     | New Items VO 01  |
| TO-15-01-Revised R02.3.2.2       | Road Segment B   |
| TO-15-01-Revised R02.3.2.2.5     | Box Culvert and Road Seg. B from Station 0+000 to Station 0+070      |
| TO-15-01-Revised R02.3.2.2.1     | Road Seg. B from Station 0+070 to Station 0+230                      |
| TO-15-01-Revised R02.3.2.2.1.2   | Installation of 50mm Pipe and chambers                               |
| TO-15-01-Revised R02.3.2.2.1.1   | Concrete Work  |
| TO-15-01-Revised R02.3.2.2.4     | Road Seg. B from Station 0+230 to Station 0+983                      |
| TO-15-01-Revised R02.3.2.2.4.2   | Installation of 50mm Pipe  |
| TO-15-01-Revised R02.3.2.2.4.3   | Pipe Culvert   |
| TO-15-01-Revised R02.3.2.2.3     | Sewer Trunk Line   |
| TO-15-01-Revised R02.3.2.2.3.1   | Installation of Sewer trunk line from Station 0+000 to Station 0+140 |
| TO-15-01-Revised R02.3.2.2.3.2   | Installation of Sewer trunk line from Station 0+140 to Station 0+280 |
| TO-15-01-Revised R02.3.2.2.3.3   | Installation of Sewer trunk line from Station 0+280 to Station 0+420 |
| TO-15-01-Revised R02.3.2.2.3.4   | Installation of Sewer trunk line from Station 0+420 to Station 0+560 |
| TO-15-01-Revised R02.3.2.2.2     | Asphalting   |
| TO-15-01-Revised R02.3.2.5       | Mechanical and Electrical Installation and Testing for Seg. A and B  |
| TO-15-01-Revised R02.3.2.4       | Additional Work  |
| TO-15-01-Revised R02.4           | Post Construction Phase  |
| TO-15-01-Revised R02.4.1         | Post Construction Submittals   |

**Report for:**  
**Resource and Cost Loading and S-Curve**

| WBS Name   | Start       | Finish      | Schedule % Complete | Cost % Complete | Total Float | 2015        |     |     |     |     |     |     |     |     |     |     |     |
|--|-------------|-------------|---------------------|-----------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |             |             |                     |                 |             | Nov         | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| <b>Revised R02 - TO-15-01-HAR- Hebron WWTP Access Road</b> | 15-Dec-14 A | 01-Oct-15   | 99.55%              | 88.45%          | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| <b>Milestones</b>  | 15-Dec-14 A | 01-Oct-15   | 0%                  | 0%              | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| General Milestones   | 15-Dec-14 A | 01-Oct-15   | 0%                  | 0%              | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Intermediate Milestones                                    | 15-Dec-14 A | 01-Oct-15   | 0%                  | 0%              | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| <b>PreConstruction Phase</b>                               | 15-Dec-14 A | 15-Mar-15 A | 100%                | 100%            |             | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Mobilization   | 17-Dec-14 A | 27-Jan-15 A | 100%                | 100%            |             | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| PreConstruction Submittals                                 | 15-Dec-14 A | 15-Mar-15 A | 0%                  | 0%              |             | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Traffic Control Plan, Coordination and Permits             | 16-Dec-14 A | 27-Jan-15 A | 0%                  | 0%              |             | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| <b>Construction Phase</b>                                  | 15-Dec-14 A | 01-Oct-15   | 99.95%              | 88.99%          | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Construction Submittals                                    | 15-Dec-14 A | 26-Jul-15 A | 0%                  | 0%              |             | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Procurement  | 25-Jan-15 A | 16-Sep-15   | 0%                  | 0%              | 8.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Execution  | 10-Feb-15 A | 01-Oct-15   | 99.95%              | 88.99%          | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| <b>Post Construction Phase</b>                             | 12-Sep-15   | 01-Oct-15   | 64.56%              | 0%              | 0.00        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |
| Post Construction Submittals                               | 12-Sep-15   | 30-Sep-15   | 100%                | 0%              | 1.87        | [Gantt Bar] |     |     |     |     |     |     |     |     |     |     |     |



■ Planned Value Cost  
■ Earned Value Cost  
■ BL Project Total Cost

▾ All EPS Elements    ▬ WBS Elements below Project    ▬ Forecast Bar  
▾ All Projects    ▬ Summary

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID  | Resource Name<br>Activity   | Planned Units   | Actual Units    |
|---|---|-----------------|-----------------|
| <b>HAR-2.02-b                      Crushed aggregate Compacted Base Course Layer 200 mm thick Class A.</b>            |   |                 |                 |
| E-B-239   | Asphalt Binder Course layer for road segment B0+000 to Station B0+230                               | 0.00            | 0.00            |
| VO-1.2-1  | Base course for Road segment from Station A 0+430 to Station A 1+056                                | 6700.00         | 6700.00         |
| E-B-229   | Basecourse and filling layer from station B0+000 to Station B0+070                                  | 500.00          | 0.00            |
| E-B-137   | Basecourse first layer (20 cm) for Box Culvert  | 240.00          | 240.00          |
| E-B-115   | Basecourse layer (20 cm) from station B0+070 to Station B0+230                                      | 2000.00         | 2000.00         |
| E-B-179   | Basecourse layer (20 cm) from station B0+230 to Station B0+983                                      | 6080.00         | 6080.00         |
| E-B-138   | Basecourse Second layer (20 cm) for Box Culvert   | 240.00          | 240.00          |
| E-B-139   | Basecourse Third layer (20 cm) for Box Culvert  | 240.00          | 240.00          |
| <b>Total</b>  |   | <b>16000.00</b> | <b>15500.00</b> |
| <b>HAR-1.01a                      Excavation to specified or directed levels in all materials</b>                     |   |                 |                 |
| E-B-110   | Excavation / Cut to specified level from station B0+070 to Station B0+230                           | 4850.00         | 4850.00         |
| E-B-149   | Excavation / Cut to specified level from station B0+230 to Station B0+983                           | 7902.00         | 7902.00         |
| E-A-25  | Excavation for widening of left hand side of existing Road From Station A 0+200 to Station A 1+056  | 0.00            | 0.00            |
| E-A-75  | Excavation for widening of Right hand side of existing Road From Station A 0+200 to Station A 1+056 | 3854.11         | 3854.11         |
| <b>Total</b>  |   | <b>16606.11</b> | <b>16606.11</b> |
| <b>HAR-1.01b                      Structural excavation to specified or directed levels in all kinds of materials</b> |   |                 |                 |
| E-A-88  | Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max                      | 300.00          | 300.00          |
| E-B-135   | Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max           | 278.60          | 278.60          |
| E-B-189   | Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max           | 185.72          | 185.72          |
| E-B-194   | Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max           | 168.00          | 168.00          |
| E-B-199   | Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max           | 155.00          | 155.00          |
| E-B-136   | Structural Excavation to specified level for Box Culvert  | 608.60          | 608.60          |
| <b>Total</b>  |   | <b>1695.92</b>  | <b>1695.92</b>  |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID   | Resource Name<br>Activity  | Planned Units   | Actual Units    |
|--|--|-----------------|-----------------|
| <b>HAR-1.02-a Filling horizontal Layers not exceeding 200 mm in depth</b>                                  |  |                 |                 |
| E-B-219  | Road Embankment / Fill to specified level from station B0+070 to Station B0+230      | 2629.94         | 2629.94         |
| E-B-149A   | Road Embankment to specified level from station B0+230 to Station B0+983             | 4800.00         | 4800.00         |
| <b>Total</b>   |  | <b>7429.94</b>  | <b>7429.94</b>  |
| <b>HAR - 3-01-a Supplying and applying bituminous Prime coat MC (rate of application 0.75 - 2.0 kg/m2)</b> |  |                 |                 |
| VO-1.2-2   | Asphalt Binder Course Layer for road segment A from station 0+430 to Station 1+056   | 4050.00         | 4050.00         |
| E-A-145  | Asphalt Binder Course layer for road segment B from station B0+230 to Station B0+983 | 8250.00         | 8250.00         |
| <b>Total</b>   |  | <b>12300.00</b> | <b>12300.00</b> |
| <b>HAR - 3-02-b Supplying and applying bituminous Tack coat RC (rate of application 0.1 - 0.6 kg/m2)</b>   |  |                 |                 |
| VO-1.2-2   | Asphalt Binder Course Layer for road segment A from station 0+430 to Station 1+056   | 0.00            | 0.00            |
| E-A-94   | Asphalt Layer for road segment A from station 0+000 to Station 0+430                 | 2900.00         | 2900.00         |
| <b>Total</b>   |  | <b>2900.00</b>  | <b>2900.00</b>  |
| <b>HAR - 3-03-a Supplying, spreading and compacting 50 mm thick bituminous wearing course</b>              |  |                 |                 |
| VO-1.2-2   | Asphalt Binder Course Layer for road segment A from station 0+430 to Station 1+056   | 0.00            | 0.00            |
| E-A-94   | Asphalt Layer for road segment A from station 0+000 to Station 0+430                 | 2900.00         | 2900.00         |
| <b>Total</b>   |  | <b>2900.00</b>  | <b>2900.00</b>  |
| <b>HAR - 3-05-c Supplying, spreading and compacting 70 mm 1" thick bituminous binder course</b>            |  |                 |                 |
| VO-1.2-2   | Asphalt Binder Course Layer for road segment A from station 0+430 to Station 1+056   | 4000.00         | 4000.00         |
| E-A-145  | Asphalt Binder Course layer for road segment B from station B0+230 to Station B0+983 | 8300.00         | 8300.00         |
| <b>Total</b>   |  | <b>12300.00</b> | <b>12300.00</b> |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID                               | Resource Name<br>Activity   | Planned Units  | Actual Units   |
|--|---|----------------|----------------|
| <b>HAR - 3-07-a Milling of existing asphalt up to 40mm</b> |   |                |                |
| E-A-91   | Milling of the existing road - segment A from station 0+000 to Station 0+200              | 2900.00        | 2900.00        |
| <b>Total</b>   |   | <b>2900.00</b> | <b>2900.00</b> |
| <b>HAR - 4-02-f 1000 mm dia R.C. pipe.</b>                 |   |                |                |
| E-B-174  | Construction of Pipe Culvert at Station B0+415 1000mm length 10 m                         | 10.00          | 10.00          |
| E-B-184  | Construction of Pipe Culvert at Station B0+920 1000mm length 10 m                         | 12.50          | 12.50          |
| <b>Total</b>   |   | <b>22.50</b>   | <b>22.50</b>   |
| <b>HAR - 4-05 Storm drain pipe cleaning</b>                |   |                |                |
| E-A-96   | Cleaning of existing pipe culvert at station A0+053                                       | 30.00          | 0.00           |
| <b>Total</b>   |   | <b>30.00</b>   | <b>0.00</b>    |
| <b>HAR - 4-07-a Concrete Class - B150</b>                  |   |                |                |
| E-B-140  | Bliding Concrete for Box Culvert including walls extension                                | 29.30          | 29.30          |
| E-A-88   | Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max            | 20.00          | 20.00          |
| E-B-135  | Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max | 17.00          | 17.00          |
| E-B-189  | Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max | 14.00          | 14.00          |
| E-B-194  | Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max | 14.60          | 14.60          |
| E-B-199  | Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max | 5.10           | 5.10           |
| <b>Total</b>   |   | <b>100.00</b>  | <b>100.00</b>  |
| <b>HAR - 4-07-c Concrete Class - B300</b>                  |   |                |                |
| E-A-235  | Additional Concrete Protection at Segment A including intersection                        | 40.00          | 0.00           |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity   | Planned Units  | Actual Units  |
|------------------------------|---|----------------|---------------|
| E-A-195                      | Concrete Ditches for segment A from Station 0+230 to Station 0+430 RHS                      | 60.00          | 0.00          |
| E-A-185                      | Concrete Ditches for segment A from Station 0+430 to Station 1+056 RHS                      | 70.00          | 0.00          |
| E-A-215                      | Concrete Ditches for segment B from Station 0+040 to Station 0+230 LHS                      | 66.00          | 0.00          |
| E-A-205                      | Concrete Ditches for segment B from Station 0+230 to Station 0+983 LHS                      | 94.00          | 0.00          |
| E-A-88                       | Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max              | 100.00         | 100.00        |
| E-B-135                      | Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max   | 138.09         | 138.09        |
| E-B-189                      | Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max   | 80.73          | 80.73         |
| E-B-194                      | Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max   | 79.48          | 79.48         |
| E-B-199                      | Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max   | 36.16          | 36.16         |
| E-B-144                      | formwork, rebar and cast in place of boundary wall of Box Culvert including walls extension | 45.00          | 45.00         |
| E-B-141                      | formwork, rebar and cast in place of Box Culvert Base slab including walls extension        | 50.00          | 50.00         |
| E-B-143                      | formwork, rebar and cast in place of roof slab of Box Culvert including walls extension     | 50.54          | 50.54         |
| E-B-142                      | formwork, rebar and cast in place of walls of Box Culvert Base including walls extension    | 170.00         | 170.00        |
| <b>Total</b>                 |   | <b>1080.00</b> | <b>750.00</b> |

### HAR - 4-07-e Supply and install where needed High Tensile Steel Bar

|         |   |       |       |
|---------|---|-------|-------|
| E-A-235 | Additional Concrete Protection at Segment A including intersection                          | 0.00  | 0.00  |
| E-A-195 | Concrete Ditches for segment A from Station 0+230 to Station 0+430 RHS                      | 1.00  | 0.00  |
| E-A-185 | Concrete Ditches for segment A from Station 0+430 to Station 1+056 RHS                      | 1.00  | 0.00  |
| E-A-215 | Concrete Ditches for segment B from Station 0+040 to Station 0+230 LHS                      | 1.00  | 0.00  |
| E-A-205 | Concrete Ditches for segment B from Station 0+230 to Station 0+983 LHS                      | 2.00  | 0.00  |
| E-A-88  | Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max              | 8.00  | 8.00  |
| E-B-135 | Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max   | 12.00 | 12.00 |
| E-B-189 | Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max   | 9.00  | 9.00  |
| E-B-194 | Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max   | 9.00  | 9.00  |
| E-B-199 | Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max   | 9.00  | 9.00  |
| E-B-144 | formwork, rebar and cast in place of boundary wall of Box Culvert including walls extension | 3.00  | 3.00  |
| E-B-141 | formwork, rebar and cast in place of Box Culvert Base slab including walls extension        | 4.00  | 4.00  |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity  | Planned Units   | Actual Units  |
|------------------------------|--|---|---------------|
| E-B-143                      | formwork, rebar and cast in place of roof slab of Box Culvert including walls extension  | 4.00  | 4.00          |
| E-B-142                      | formwork, rebar and cast in place of walls of Box Culvert Base including walls extension | 17.00   | 17.00         |
| <b>Total</b>                 |  | <b>80.00</b>  | <b>75.00</b>  |
| <hr/>                        |  |   |               |
| <b>HAR - 4-12-a</b>          |  | <b>Supply and install precast concrete curbstone for sidewalk</b>                             |               |
| E-A-97                       | Sidewalk from Station A 0+200 to Station A 0+260   | 150.00  | 150.00        |
| <b>Total</b>                 |  | <b>150.00</b>   | <b>150.00</b> |
| <hr/>                        |  |   |               |
| <b>HAR - 5.01-e</b>          |  | <b>Circular sign face 900 mm dia.</b>   |               |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking   | 1.00  | 0.00          |
| E-A-95                       | Road Marking and Traffic Signs   | 1.00  | 0.00          |
| <b>Total</b>                 |  | <b>2.00</b>   | <b>0.00</b>   |
| <hr/>                        |  |   |               |
| <b>HAR - 5.01-f</b>          |  | <b>Triangular sign face 900 mm deep</b>   |               |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking   | 8.00  | 0.00          |
| E-A-95                       | Road Marking and Traffic Signs   | 7.00  | 0.00          |
| <b>Total</b>                 |  | <b>15.00</b>  | <b>0.00</b>   |
| <hr/>                        |  |   |               |
| <b>HAR - 5.01-g</b>          |  | <b>Octagonal sign face 900 mm deep</b>  |               |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking   | 2.00  | 0.00          |
| E-A-95                       | Road Marking and Traffic Signs   | 2.00  | 0.00          |
| <b>Total</b>                 |  | <b>4.00</b>   | <b>0.00</b>   |
| <hr/>                        |  |   |               |
| <b>HAR - 5.01-h</b>          |  | <b>Directional sign(Black/White)with one board (Single face )installed on double 3" posts</b> |               |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking   | 3.00  | 0.00          |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity                  | Planned Units   | Actual Units |
|------------------------------|--|---|--------------|
| E-A-95                       | Road Marking and Traffic Signs             | 3.00  | 0.00         |
| <b>Total</b>                 |  | <b>6.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |   |              |
| <b>HAR - 5.01-j</b>          |  | <b>Rectangular chevron signs Type (RS-1)</b>              |              |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking | 2.00  | 0.00         |
| E-A-95                       | Road Marking and Traffic Signs             | 2.00  | 0.00         |
| <b>Total</b>                 |  | <b>4.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |   |              |
| <b>HAR - 5.01-k</b>          |  | <b>Rectangular chevron signs Type (RS-2)</b>              |              |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking | 8.00  | 0.00         |
| E-A-95                       | Road Marking and Traffic Signs             | 8.00  | 0.00         |
| <b>Total</b>                 |  | <b>16.00</b>  | <b>0.00</b>  |
| <hr/>                        |  |   |              |
| <b>HAR - 5.01-l</b>          |  | <b>Rectangular chevron signs Type (RS-3)</b>              |              |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking | 1.00  | 0.00         |
| E-A-95                       | Road Marking and Traffic Signs             | 0.00  | 0.00         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |   |              |
| <b>HAR - 5-03-b</b>          |  | <b>Continuous and/or intermittent Thermoplastic paint</b> |              |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking | 350.00  | 0.00         |
| E-A-95                       | Road Marking and Traffic Signs             | 350.00  | 0.00         |
| <b>Total</b>                 |  | <b>700.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |   |              |
| <b>HAR - 5-03-c</b>          |  | <b>Supply and install edge line single cat eyes</b>       |              |
| E-A-155                      | Road Guard rail, Traffic Signs and Marking | 250.00  | 0.00         |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity      | Planned Units | Actual Units |
|------------------------------|--------------------------------|---------------|--------------|
| E-A-95                       | Road Marking and Traffic Signs | 250.00        | 0.00         |
| <b>Total</b>                 |                                | <b>500.00</b> | <b>0.00</b>  |

### HAR - 5-03-d Supply and install double cat eyes

|              |  |               |             |
|--------------|--|---------------|-------------|
| E-A-155      | Road Guard rail, Traffic Signs and Marking | 100.00        | 0.00        |
| E-A-95       | Road Marking and Traffic Signs             | 100.00        | 0.00        |
| <b>Total</b> |  | <b>200.00</b> | <b>0.00</b> |

### HAR - 5-04-a Grouted rip rap protection to embankments cutting slops and ditches

|              |   |              |              |
|--------------|---|--------------|--------------|
| E-B-174      | Construction of Pipe Culvert at Station B0+415 1000mm length 10 m | 35.00        | 35.00        |
| E-B-184      | Construction of Pipe Culvert at Station B0+920 1000mm length 10 m | 35.00        | 35.00        |
| <b>Total</b> |   | <b>70.00</b> | <b>70.00</b> |

### HAR - 5-05-c Supply and install galvanized steel guard rail, Type N2- ESP2-W4

|              |  |               |             |
|--------------|--|---------------|-------------|
| E-A-155      | Road Guard rail, Traffic Signs and Marking | 848.00        | 0.00        |
| <b>Total</b> |  | <b>848.00</b> | <b>0.00</b> |

### HAR - 6-1-1-1 Excavation to depths greater than 2.0 meters to 2.5 meters

|              |   |              |              |
|--------------|---|--------------|--------------|
| E-S-10       | Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes | 0.00         | 0.00         |
| E-S-35       | Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes | 0.00         | 0.00         |
| E-S-60       | Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes | 0.00         | 0.00         |
| E-S-085      | Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes | 27.00        | 27.00        |
| <b>Total</b> |   | <b>27.00</b> | <b>27.00</b> |

### HAR - 6-1-1-2 Excavation to depths greater than 2.5 meters to 3.0 meters

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity   | Planned Units | Actual Units  |
|------------------------------|---|---------------|---------------|
| E-S-10                       | Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes | 0.00          | 0.00          |
| E-S-35                       | Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes | 0.00          | 0.00          |
| E-S-60                       | Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes | 164.00        | 164.00        |
| E-S-085                      | Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes | 72.00         | 72.00         |
| <b>Total</b>                 |   | <b>236.00</b> | <b>236.00</b> |

### HAR - 6-1-1-3      Excavation to depths greater than 3.0 meters to 3.5 meters

|              |   |               |               |
|--------------|---|---------------|---------------|
| E-S-10       | Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes | 0.00          | 0.00          |
| E-S-35       | Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes | 41.00         | 41.00         |
| E-S-60       | Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes | 87.00         | 87.00         |
| E-S-085      | Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes | 0.00          | 0.00          |
| <b>Total</b> |   | <b>128.00</b> | <b>128.00</b> |

### HAR - 6-1-1-4      Excavation to depths greater than 3.5 meters to 4.0 meters

|              |   |               |               |
|--------------|---|---------------|---------------|
| E-S-10       | Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes | 72.00         | 72.00         |
| E-S-35       | Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes | 50.00         | 50.00         |
| E-S-60       | Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes | 0.00          | 0.00          |
| E-S-085      | Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes | 0.00          | 0.00          |
| <b>Total</b> |   | <b>122.00</b> | <b>122.00</b> |

### HAR - 6-1-1-5      Excavation to depths greater than 4.0 meters to 4.5 meters

|              |   |              |              |
|--------------|---|--------------|--------------|
| E-S-10       | Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes | 27.00        | 27.00        |
| E-S-35       | Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes | 0.00         | 0.00         |
| E-S-60       | Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes | 0.00         | 0.00         |
| E-S-085      | Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes | 0.00         | 0.00         |
| <b>Total</b> |   | <b>27.00</b> | <b>27.00</b> |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID  | Resource Name<br>Activity                                     | Planned Units | Actual Units  |
|---|---|---------------|---------------|
| <b>HAR - 6-1-2-1-1 Backfill Trench Zone for pipes at depths greater than 2.0 meters to 2.5 meters</b> |   |               |               |
| E-S-100   | Backfilling of trunk line from Station 0+420 to Station 0+560 | 27.00         | 27.00         |
| E-S-25  | Backfilling of trunk line from Station 0+000 to Station 0+140 | 0.00          | 0.00          |
| E-S-50  | Backfilling of trunk line from Station 0+140 to Station 0+280 | 0.00          | 0.00          |
| E-S-75  | Backfilling of trunk line from Station 0+280 to Station 0+420 | 0.00          | 0.00          |
| <b>Total</b>  |   | <b>27.00</b>  | <b>27.00</b>  |
| <b>HAR - 6-1-2-1-2 Backfill Trench Zone for pipes at depths greater than 2.5 meters to 3.0 meters</b> |   |               |               |
| E-S-100   | Backfilling of trunk line from Station 0+420 to Station 0+560 | 72.00         | 72.00         |
| E-S-25  | Backfilling of trunk line from Station 0+000 to Station 0+140 | 0.00          | 0.00          |
| E-S-50  | Backfilling of trunk line from Station 0+140 to Station 0+280 | 0.00          | 0.00          |
| E-S-75  | Backfilling of trunk line from Station 0+280 to Station 0+420 | 164.00        | 164.00        |
| <b>Total</b>  |   | <b>236.00</b> | <b>236.00</b> |
| <b>HAR - 6-1-2-1-3 Backfill Trench Zone for pipes at depths greater than 3.0 meters to 3.5 meters</b> |   |               |               |
| E-S-100   | Backfilling of trunk line from Station 0+420 to Station 0+560 | 0.00          | 0.00          |
| E-S-25  | Backfilling of trunk line from Station 0+000 to Station 0+140 | 0.00          | 0.00          |
| E-S-50  | Backfilling of trunk line from Station 0+140 to Station 0+280 | 41.00         | 41.00         |
| E-S-75  | Backfilling of trunk line from Station 0+280 to Station 0+420 | 87.00         | 87.00         |
| <b>Total</b>  |   | <b>128.00</b> | <b>128.00</b> |
| <b>HAR - 6-1-2-1-4 Backfill Trench Zone for pipes at depths greater than 3.5 meters to 4.0 meters</b> |   |               |               |
| E-S-100   | Backfilling of trunk line from Station 0+420 to Station 0+560 | 0.00          | 0.00          |
| E-S-25  | Backfilling of trunk line from Station 0+000 to Station 0+140 | 72.00         | 72.00         |
| E-S-50  | Backfilling of trunk line from Station 0+140 to Station 0+280 | 50.00         | 50.00         |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity                                     | Planned Units | Actual Units  |
|------------------------------|---|---------------|---------------|
| E-S-75                       | Backfilling of trunk line from Station 0+280 to Station 0+420 | 0.00          | 0.00          |
| <b>Total</b>                 |   | <b>122.00</b> | <b>122.00</b> |

### HAR - 6-1-2-1-5 Backfill Trench Zone for pipes at depths greater than 4.0 meters to 4.5 meters

|              |   |              |              |
|--------------|---|--------------|--------------|
| E-S-100      | Backfilling of trunk line from Station 0+420 to Station 0+560 | 0.00         | 0.00         |
| E-S-25       | Backfilling of trunk line from Station 0+000 to Station 0+140 | 27.00        | 27.00        |
| E-S-50       | Backfilling of trunk line from Station 0+140 to Station 0+280 | 0.00         | 0.00         |
| E-S-75       | Backfilling of trunk line from Station 0+280 to Station 0+420 | 0.00         | 0.00         |
| <b>Total</b> |   | <b>27.00</b> | <b>27.00</b> |

### HAR - 6-2-1 Furnish and install 1500 mm RCP with all necessary rubber rings

|              |  |               |               |
|--------------|--|---------------|---------------|
| E-S-095      | Installation of trunk line from Station 0+420 to Station 0+560 | 135.00        | 135.00        |
| E-S-20       | Installation of trunk line from Station 0+000 to Station 0+140 | 135.00        | 135.00        |
| E-S-45       | Installation of trunk line from Station 0+140 to Station 0+280 | 135.00        | 135.00        |
| E-S-70       | Installation of trunk line from Station 0+280 to Station 0+420 | 135.00        | 135.00        |
| <b>Total</b> |  | <b>540.00</b> | <b>540.00</b> |

### HAR - 6-3-1-1 Sewage Manholes greater than 2.0 meter depth to 2.5 meters depth.

|              |  |             |             |
|--------------|--|-------------|-------------|
| E-S-105      | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 0.00        | 0.00        |
| E-S-30       | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 0.00        | 0.00        |
| E-S-55       | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 0.00        | 0.00        |
| E-S-80       | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 0.00        | 0.00        |
| <b>Total</b> |  | <b>0.00</b> | <b>0.00</b> |

### HAR - 6-3-1-2 Sewage Manholes greater than 2.5 meter depth to 3.0 meters depth.

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity  | Planned Units | Actual Units |
|------------------------------|--|---------------|--------------|
| E-S-105                      | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 0.00          | 0.00         |
| E-S-30                       | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 0.00          | 0.00         |
| E-S-55                       | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 0.00          | 0.00         |
| E-S-80                       | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 0.00          | 0.00         |
| <b>Total</b>                 |  | <b>0.00</b>   | <b>0.00</b>  |

### HAR - 6-3-1-3 Sewage Manholes greater than 3.0 meter depth to 3.5 meters depth.

|              |  |             |             |
|--------------|--|-------------|-------------|
| E-S-105      | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 0.00        | 0.00        |
| E-S-30       | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 1.00        | 0.90        |
| E-S-55       | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 1.00        | 0.67        |
| E-S-80       | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 0.00        | 0.00        |
| <b>Total</b> |  | <b>2.00</b> | <b>1.57</b> |

### HAR - 6-3-1-4 Sewage Manholes greater than 3.5 meter depth to 4.0 meters depth.

|              |  |             |             |
|--------------|--|-------------|-------------|
| E-S-105      | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 1.00        | 0.30        |
| E-S-30       | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 2.00        | 1.80        |
| E-S-55       | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 1.00        | 0.67        |
| E-S-80       | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 1.00        | 0.67        |
| <b>Total</b> |  | <b>5.00</b> | <b>3.43</b> |

### HAR - 6-3-1-5 Sewage Manholes greater than 4.0 meter depth to 4.5 meters depth.

|         |  |      |      |
|---------|--|------|------|
| E-S-105 | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 1.00 | 0.30 |
| E-S-30  | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 1.00 | 0.90 |
| E-S-55  | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 1.00 | 0.67 |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID  | Resource Name<br>Activity  | Planned Units | Actual Units |
|---|--|---------------|--------------|
| E-S-80  | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 0.00          | 0.00         |
| <b>Total</b>  |  | <b>3.00</b>   | <b>1.87</b>  |
| <hr/>   |  |               |              |
| <b>HAR - 6-3-1-6 Sewage Manholes greater than 4.5 meter depth to 5.0 meters depth.</b>                      |  |               |              |
| E-S-105   | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 1.00          | 0.30         |
| E-S-30  | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 1.00          | 0.90         |
| E-S-55  | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 1.00          | 0.67         |
| E-S-80  | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 1.00          | 0.67         |
| <b>Total</b>  |  | <b>4.00</b>   | <b>2.53</b>  |
| <hr/>   |  |               |              |
| <b>HAR - 6-04-1 Furnish and install 40 tons bearing capacity cast iron cover DN 600 mm</b>                  |  |               |              |
| E-S-105   | Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)                    | 4.00          | 1.20         |
| E-S-30  | Construction of Manhole for trunk line from Station 0+000 to Station 0+140 (MH 01, 02, 03, 04 and 05) and Outlet | 5.00          | 4.50         |
| E-S-55  | Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)                        | 2.00          | 1.33         |
| E-S-80  | Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)                    | 3.00          | 2.00         |
| <b>Total</b>  |  | <b>14.00</b>  | <b>9.03</b>  |
| <hr/>   |  |               |              |
| <b>HAR - 6-05-1 Break into the existing sewer manhole</b>   |  |               |              |
| E-S-115   | Breaking into existing sewer manhole and Diversion of wadi   | 1.00          | 1.00         |
| <b>Total</b>  |  | <b>1.00</b>   | <b>1.00</b>  |
| <hr/>   |  |               |              |
| <b>HAR - 6-6-1 Replacement of existing deteriorated sewer manholes by cutting into the existing sewers,</b> |  |               |              |
| E-S-125   | Replacement of the existing sewer Manhole MH 14  | 1.00          | 0.07         |
| <b>Total</b>  |  | <b>1.00</b>   | <b>0.07</b>  |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID  | Resource Name<br>Activity   | Planned Units  | Actual Units   |
|---|---|----------------|----------------|
| <b>HAR - 6-07 Sewer Testing (Specification Section 02702 Parg. 3.7)</b>                           |   |                |                |
| E-A-175   | Sewer Pipe line Testing   | 1.00           | 0.00           |
| E-A-115   | Water Pipe line Testing   | 0.00           | 0.00           |
| <b>Total</b>  |   | <b>1.00</b>    | <b>0.00</b>    |
| <b>HAR - 6-08 Sewer line marking</b>  |   |                |                |
| E-A-175   | Sewer Pipe line Testing   | 3.00           | 0.00           |
| E-A-115   | Water Pipe line Testing   | 0.00           | 0.00           |
| <b>Total</b>  |   | <b>3.00</b>    | <b>0.00</b>    |
| <b>HAR - 7-1-1-1 Trench excavation for 100 mm pipes St. A0+000 to St. A1+056</b>                  |   |                |                |
| E-A-15  | Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A                         | 1065.00        | 1065.00        |
| <b>Total</b>  |   | <b>1065.00</b> | <b>1065.00</b> |
| <b>HAR - 7-1-1-2 Trench excavation for 50 mm pipes St. B0+000 to St. B0+984</b>                   |   |                |                |
| E-B-232   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B B0+000 to Station B0+070 | 70.00          | 0.00           |
| E-B-120   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B0+070 to Station B0+230   | 227.00         | 227.00         |
| E-B-154   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983 | 753.00         | 753.00         |
| <b>Total</b>  |   | <b>1050.00</b> | <b>980.00</b>  |
| <b>HAR - 7-1-2-1 Backfill for pipe and trench zone, 100mm pipes from St. A0+000 to St. A1+056</b> |   |                |                |
| E-A-15  | Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A                         | 1065.00        | 1065.00        |
| <b>Total</b>  |   | <b>1065.00</b> | <b>1065.00</b> |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID  | Resource Name<br>Activity   | Planned Units  | Actual Units   |
|---|---|----------------|----------------|
| <b>HAR - 7-1-2-2 Backfill for pipe and trench zone, 50mm pipes from St. B0+000 to St. B0+984</b>  |   |                |                |
| E-B-232   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B B0+000 to Station B0+070 | 70.00          | 0.00           |
| E-B-120   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B0+070 to Station B0+230   | 227.00         | 227.00         |
| E-B-154   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983 | 753.00         | 753.00         |
| <b>Total</b>  |   | <b>1050.00</b> | <b>980.00</b>  |
| <b>HAR - 7-2-1-1 Steel Pipe and fittings, 100mm pipes from St. A0+000 to St. A1+056</b>           |   |                |                |
| E-A-15  | Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A                         | 1065.00        | 1065.00        |
| <b>Total</b>  |   | <b>1065.00</b> | <b>1065.00</b> |
| <b>HAR - 7-2-1-2 Galvanized Steel Pipe and fittings, 50mm pipes from St. B0+000 to St. B0+984</b> |   |                |                |
| E-B-232   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B B0+000 to Station B0+070 | 70.00          | 0.00           |
| E-B-120   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B0+070 to Station B0+230   | 227.00         | 227.00         |
| E-B-154   | Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983 | 753.00         | 753.00         |
| <b>Total</b>  |   | <b>1050.00</b> | <b>980.00</b>  |
| <b>HAR - 7-3-1-1 Supply and install complete DN 100 mm flanged Gate Valve and its chamber</b>     |   |                |                |
| E-A-27  | Construction of 100 mm Isolation Valve Chamber at Station A 0+183   | 0.40           | 0.40           |
| E-A-26  | Construction of 100 mm Isolation Valve Chamber at Station A 0+470   | 0.40           | 0.40           |
| E-A-105   | Mechanical valves Installation  | 1.20           | 0.60           |
| <b>Total</b>  |   | <b>2.00</b>    | <b>1.40</b>    |
| <b>HAR - 7-3-1-2 Ditto but with different diameter DN 50</b>                                      |   |                |                |
| E-A-105   | Mechanical valves Installation  | 1.00           | 0.50           |
| <b>Total</b>  |   | <b>1.00</b>    | <b>0.50</b>    |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID   | Resource Name<br>Activity   | Planned Units | Actual Units |
|--|---|---------------|--------------|
| <b>HAR - 7-3-2-1 Hebron WWTP Connection Chamber Drawing CHD-001, P&amp;ID I-0002</b>   |   |               |              |
| VO-A-1.1.1.a   | Construction of Hebron WWTP Service connection Chamber                                      | 0.00          | 0.00         |
| E-A-105  | Mechanical valves Installation  | 0.00          | 0.00         |
| <b>Total</b>   |   | <b>0.00</b>   | <b>0.00</b>  |
| <b>HAR - 7-3-2-2 Qilqis Connection Chamber Drawing CHD-002, P&amp;ID I-0003</b>  |   |               |              |
| VO-A-1.1.1.b   | Construction of 100 mm QELQES Service connection Chamber at Station A 0+990                 | 0.00          | 0.00         |
| E-A-105  | Mechanical valves Installation  | 0.00          | 0.00         |
| <b>Total</b>   |   | <b>0.00</b>   | <b>0.00</b>  |
| <b>HAR - 7-3-3-1 Supply, install all valves, fittings etc., and construct Main Monitoring water meter chamber with RTU, Fence, antenna and civil work complete at ST.0+000</b> |   |               |              |
| VO-A-1.1.2   | Construction of 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)     | 0.00          | 0.00         |
| E-A-105  | Mechanical valves Installation  | 0.00          | 0.00         |
| <b>Total</b>   |   | <b>0.00</b>   | <b>0.00</b>  |
| <b>HAR - 7-3-4-1 Supply and install complete DN50 mm Combination Air Valve (combination of air and vacuum valve and air releases valve)</b>                                    |   |               |              |
| E-A-24   | Construction of 100 mm Air Release Valve Chamber at Station A 0+183                         | 0.40          | 0.40         |
| E-B-235  | Installation of Precast concrete 100 mm Air Release Valve Chamber including Mechanical work | 0.00          | 0.00         |
| E-A-105  | Mechanical valves Installation  | 1.60          | 0.80         |
| <b>Total</b>   |   | <b>2.00</b>   | <b>1.20</b>  |
| <b>HAR - 7-3-5-1 Supply and install complete DN50 washout and its chamber on DN 100mm pipes</b>  |   |               |              |

## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity                                 | Planned Units | Actual Units |
|------------------------------|---|---------------|--------------|
| E-A-22                       | Construction of 100 mm Washout Chamber at Station A 0+047 | 0.40          | 0.40         |
| E-A-30                       | Construction of 100 mm Washout Chamber at Station A 0+920 | 0.40          | 0.40         |
| E-A-105                      | Mechanical valves Installation                            | 1.20          | 0.60         |
| <b>Total</b>                 |   | <b>2.00</b>   | <b>1.40</b>  |

### HAR - 7-4-1      **Cleaning, washing, hydraulic test and disinfection for the entire pipelines in the project.**

|              |                         |                |                |
|--------------|-------------------------|----------------|----------------|
| E-A-175      | Sewer Pipe line Testing | 0.00           | 0.00           |
| E-A-115      | Water Pipe line Testing | 2115.00        | 1692.00        |
| <b>Total</b> |                         | <b>2115.00</b> | <b>1692.00</b> |

### HAR - 7-5-1      **Markers as per Specs & Detail C-518.**

|              |   |             |             |
|--------------|---|-------------|-------------|
| E-A-15       | Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A | 0.00        | 0.00        |
| E-A-175      | Sewer Pipe line Testing   | 0.00        | 0.00        |
| E-A-115      | Water Pipe line Testing   | 5.00        | 4.00        |
| <b>Total</b> |   | <b>5.00</b> | <b>4.00</b> |

### HAR - 7-6-1      **Reinforced concrete pipe encasement for pipes run on top of culvert, price to include reinforcement bars.**

|              |   |             |             |
|--------------|---|-------------|-------------|
| E-A-15       | Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A | 7.00        | 7.00        |
| <b>Total</b> |   | <b>7.00</b> | <b>7.00</b> |

### HAR - 7-7-1      **Connection to the existing water pipeline DN50.**

|              |  |             |             |
|--------------|--|-------------|-------------|
| E-A-65a      | Connection to the existing water pipeline DN50 | 1.00        | 0.50        |
| <b>Total</b> |  | <b>1.00</b> | <b>0.50</b> |

### HAR - 7-7-2      **Replacement of existing water chamber**

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID | Resource Name<br>Activity                                  | Planned Units | Actual Units |
|------------------------------|--|---------------|--------------|
| E-A-105                      | Mechanical valves Installation                             | 0.60          | 0.30         |
| E-A-65                       | Replacement of existing Chamber at Segment A (Pre Cast)    | 0.40          | 0.40         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.70</b>  |
| <hr/>                        |  |               |              |
| <b>HAR - 8.2</b>             | <b>O&amp;M Technical Manuals</b>                           |               |              |
| POST-CS1030                  | Operation and Maintenance O&M Manual                       | 1.00          | 0.00         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |               |              |
| <b>HAR - 8.3</b>             | <b>Site inspection/ Support/ Start up</b>                  |               |              |
| E-A-165                      | Site inspection / Start up and Training                    | 1.00          | 0.00         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |               |              |
| <b>HAR - 9-1</b>             | <b>Mobilization</b>  |               |              |
| MOB1090                      | Mobilization Summary                                       | 1.00          | 1.00         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>1.00</b>  |
| <hr/>                        |  |               |              |
| <b>HAR - 9-2</b>             | <b>Demobilization</b>                                      |               |              |
| A1000                        | Demobilization Summary                                     | 1.00          | 0.00         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.00</b>  |
| <hr/>                        |  |               |              |
| <b>a</b>                     | <b>Hebron WWTP Connection Chamber (Dwg. CHD 001 Rev.1)</b> |               |              |
| VO-A-1.1.1.a                 | Construction of Hebron WWTP Service connection Chamber     | 0.40          | 0.40         |
| E-A-105                      | Mechanical valves Installation                             | 0.60          | 0.30         |
| <b>Total</b>                 |  | <b>1.00</b>   | <b>0.70</b>  |

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## RA-01 Resource Assignments, All Activities

User's Notes:

| Resource Code<br>Activity ID   | Resource Name<br>Activity   | Planned Units  | Actual Units   |
|--|---|----------------|----------------|
| <b>b Qelqes Connection Chamber (Dwg. CHD 002 Rev1)</b>                                 |   |                |                |
| VO-A-1.1.1.b   | Construction of 100 mm QELQES Service connection Chamber at Station A 0+990                               | 0.40           | 0.40           |
| E-A-105  | Mechanical valves Installation  | 0.60           | 0.30           |
|  | <b>Total</b>  | <b>1.00</b>    | <b>0.70</b>    |
| <b>a-1 HAR main connection (Dwg CHD-003)</b>   |   |                |                |
| VO-A-1.1.2   | Construction of 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)                   | 0.40           | 0.40           |
| E-A-105  | Mechanical valves Installation  | 0.60           | 0.30           |
|  | <b>Total</b>  | <b>1.00</b>    | <b>0.70</b>    |
| <b>HAR - VO 1.2 Sub grade preparation including removal of existing asphalt layer.</b> |   |                |                |
| VO-1.2   | Sub grade preparation including removal of existing asphalt layer from Station A 0+200 to Station A 1+056 | 7972.72        | 7972.72        |
|  | <b>Total</b>  | <b>7972.72</b> | <b>7972.72</b> |