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**WEST BANK/GAZA**

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 June 01, 2015 to June 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.

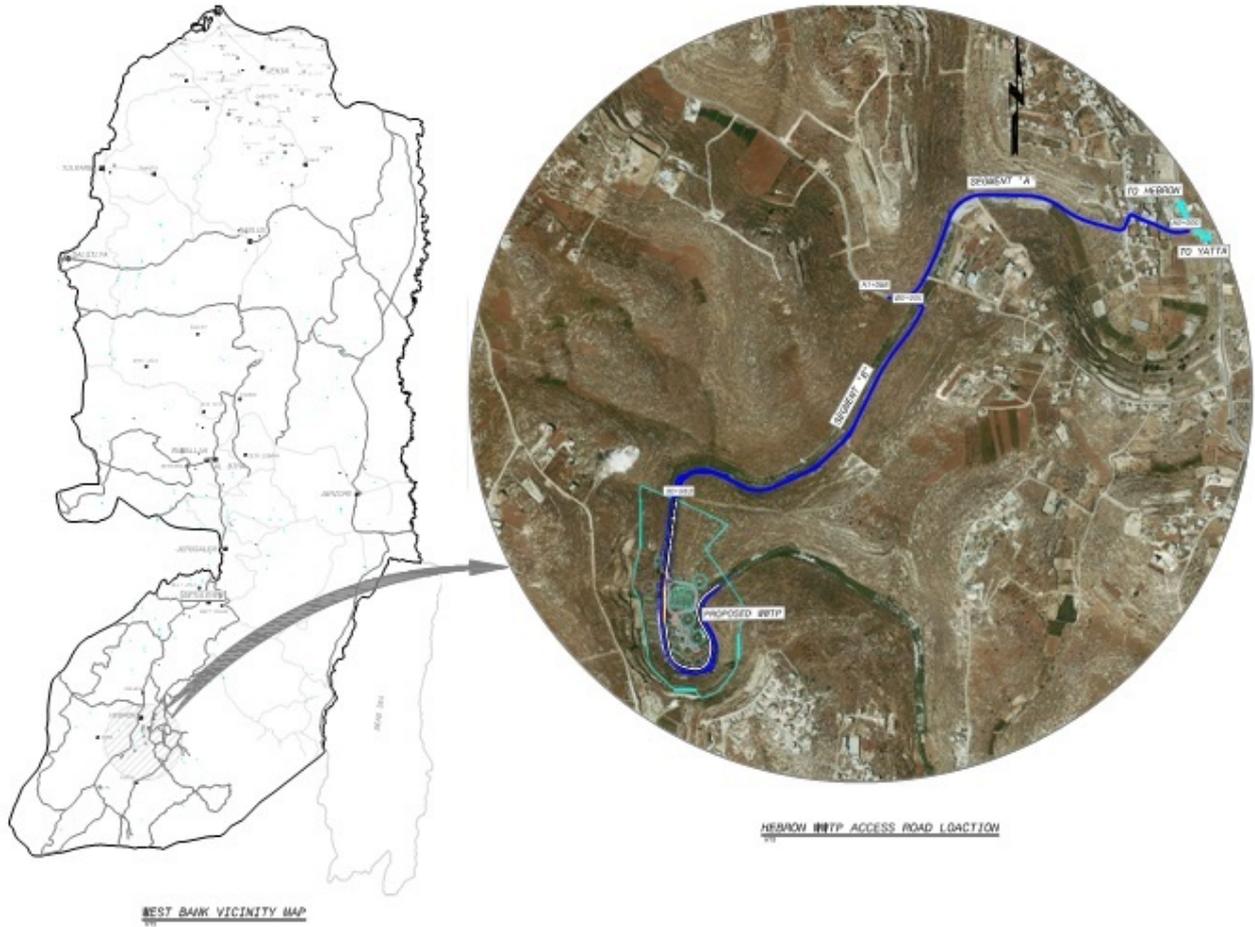
### 1.3. Statement Of Work

This project includes the following activities:

- Construction of 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. 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**



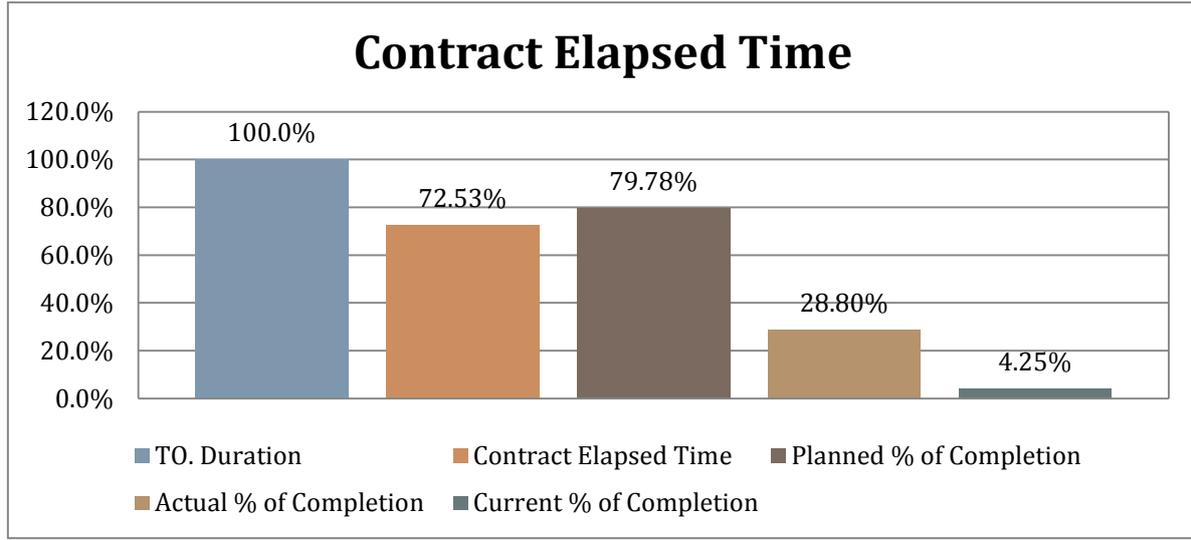
**2. Task Order Key Data**

<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</b>	\$ 2,326,607.60
<b>Modified Day work Amount</b>	\$ 272,097.40
<b>Notice To Proceed</b>	December 15, 2014
<b>Period Of Performance</b>	240 calendar day
<b>Contractual Completion Date</b>	August 11, 2015
<b>Approved Time Extensions</b>	33 days
<b>Modified Completion Date</b>	September 13, 2015
<b>Estimated Completion Date</b>	September 13, 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: Sameer N.Tamimi
	Surveyor: Raafat Atef Abu Saymeh

### 3. Project Dashboard Status

<b>Contract Elapsed Time as of June 30, 2015 [%]</b>	72.53 %
<b>Planned Percentage of Completion through June 30, 2015 [%]</b>	79.78 %
<b>Actual Percentage of Completion through June 30, 2015 [%]</b>	28.80 %
<b>Current percentage of completion through June 30, 2015 [%]</b>	4.25 %
<b>Float (Days)</b>	On schedule

The following chart reflects the project dashboard status as of June 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 this reporting period, SAK submitted an updated Safety Plan to CMC on June 17, 2015 and it was accepted on June 28, 2015.

SAK has also provided vaccination against hepatitis (type B) virus to all staff and workers in direct contact with raw sewer .SAK will ensure to provide vaccination for all new workers.

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

#### 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-009	June 11, 2015	PPE's, other safety issues and flagmen responsibilities
2	STBM-15-000001-HAR-010	June 20, 2015	PPE's, other safety issues and flagmen responsibilities
3	STBM-15-000001-HAR-011	June 30, 2015	PPE's, other safety issues and flagmen responsibilities

#### 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 this reporting period, SAK submitted an updated Safety Plan to CMC on June 17, 2015 and it was accepted on June 28, 2015.

## **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: 1+056)**

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.

#### **2. Segment A: (STA: 0+000 to STA: 0+983)**

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 three flagmen had been worked to control traffic movement.

A monthly update for the Traffic Control Plan will be submitted to CMC if needed.

### **5.2. Traffic Control Measures**

The required Traffic Control and Safety Measures were implemented during installing of safety traffic signs, steel barriers and during excavation work at both segments A & B.

## **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 this reporting period, 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.

A monthly update for the Mitigation, Monitoring Plan will be submitted to CMC.

## **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 this reporting period, 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.

A monthly update for the Construction Risk Management Plan will be submitted to CMC.

## **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
June 01,2015	USAID – Kamal Kabary B&V –Karim Husari , Monther Ramadan , Ashraf Mshaal, Subhi Zeidan , Wafa Amro SAK –Saleem Tafesh ,Sameer Al Khaldi , Muwafaq Abu Zainah, Mohmad Abu Zeina, Rafat Abu Saymeh , Muna Al Shaer MoPWH- Mr. Mohammad Adawi	Bi- Weekly Progress Meeting	Bi-Weekly progress meeting #10 was conducted at BV Site office.
June 15,2015	USAID – Kamal Kasbray B&V – Monther Ramadan , Subhi Zeidan, Karim Husari , Wafa Amro SAK –Sameer Al Khaldi , Mohamad Abu Zeineh, Muna Al Shaer	Bi- Weekly Progress Meeting	Bi-Weekly progress meeting #11 was conducted at BV Site office.
June 29, 2015	USAID – Kamal Kasbary  B&V – Monther Ramadan , Subhi Zeidan, , Ashraf Mshaal , Wafa Amro SAK –Sameer Al Khaldi , Mohamad Abu Zeineh, Saleem Tafesh ,Isra Al Shaer, Omar Alqaisi  MoPWH- Mr. Mohammad Adawi	Bi- Weekly Progress Meeting	Bi-Weekly progress meeting #12 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
June 01, 2015	USAID-Kamal Kasbary MoPWH- Mr. Mohammad Adawi	Site
June 12, 2015	Hebron Municipality –Marwan Al Akhdar, A'ed Taha	Site
June 13, 2015	Hebron Municipality – Marwan Al A'khdar , Aied Taha	Site
June 15, 2015	USAID – Kamal Kasbray	Site
June 18,2015	USAID – Iman Kheil, Kamal Kasbary, Eric Stroing, Sophie Tainter	Site
June 29,2015	USAID – Kamal Kasbary MoPWH- Mr. Mohammad Adawi	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	Expected/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
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 : June , 2015</b>		
June 01, 2015	Filling Material	300 m3
	Concrete B350	3 m3
June 02, 2015	Base Coarse	200 m3
	Somsom	20 m3
	Precast Manholes	2 PC
June 03, 2015	Base Course	600 m3
	Filling Material	300 m3
June 04, 2015	Base Course	200 m3
	Rock fill Materials	200 m3
June 05, 2015		
June 06, 2015	Base Course	200 m3



June 07, 2015	Rock fill Materials	300 m3
June 08, 2015	Rock fill Materials	250 m3
June 09, 2015	Rock fill Materials	400m3
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	11m3
June 21, 2015	Concrete B300	11m3
June 22, 2015	Base Course	80m3
June 23, 2015	Base Course	300m3
June 24, 2015	Base Course	580m3
	Concrete B300	8.5m3
June 25, 2015	Base Course	40m3
	Concrete B300	6.5m3
	Reinforced steel	1.314ton
June 26, 2015		
June 27, 2015	Granular fill	40m3
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

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



Equipment Log

Date Equipment		1-Jun-15	2-Jun-15	3-Jun-15	4-Jun-15	5-Jun-15	6-Jun-15	7-Jun-15	8-Jun-15	9-Jun-15	10-Jun-15	11-Jun-15	12-Jun-15	13-Jun-15	14-Jun-15	15-Jun-15	16-Jun-15	17-Jun-15	18-Jun-15	19-Jun-15	20-Jun-15	21-Jun-15	22-Jun-15	23-Jun-15	24-Jun-15	25-Jun-15	26-Jun-15	27-Jun-15	28-Jun-15	29-Jun-15	30-Jun-15
		Quantity in use																													
Grader	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	1	1	1
	Quantity idle																														
Wheel Loader (CAT 950)	Quantity in use										1	1		1	1	1	1	1	1		1	1									
	Quantity idle																														
Bob Cat	Quantity in use																														
	Quantity idle																														
Steel Compactor	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	1	1	1
	Quantity idle																														
JCB	Quantity in use	1	1	1	1		1	1		1	1																	1	1	1	1
	Quantity idle																														
Chain Excavator (325 C)	Quantity in use																														
	Quantity idle																														
Chain Excavator (Cat 330B)	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																														
Chain Bulldozer CAT 955	Quantity in use																														
	Quantity idle																														
Truck	Quantity in use	3	4	4	4		4	4	4	4	4	4		4	4	4	4	4	4		4	4	3	4	4	3		1	2	1	5
	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		2	2	2	2
	Quantity idle																														
Truck Crane	Quantity in use																														
	Quantity idle																														
Concrete Pump	Quantity in use																														
	Quantity idle																														
Concrete Mixer	Quantity in use																														
	Quantity idle																														
Chain Loader	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																														
Wheel Excavator	Quantity in use										1	1		1	1																
	Quantity idle																														

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

A revised baseline schedule will be submitted to cover the changes and the extension of time approved through variation order # 01.

During the month of June, Saqqa and Khoudary activities were focused on the completion of major items as indicated in the following paragraph:

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

##### **13.2.1 Segment A:**

- Continue excavation and widening works for Segment A from Sta.A0+780 to Sta.A0+820 RHS
- Handing over subgrade layer from Sta.A 0+670 to Sta.A.1+056 and from Sta.0+260 to Sta.0+670.
- Base coarse works from Sta.A0+670 to Sta.A1+056.
- Start excavation works for retaining wall from Sta.A0+206 to Sta.0+257 RHS.
- Steel reinforcement, shuttering and concrete casting works for retaining wall footing from Sta.A0+206 to Sta.A0+257 RHS.
- Handing over civil works of water manholes, gate valve manhole at Sta.A 0+470 and washout manhole at Sta.A 0+930 including external works.
- Continue installation of 2" water pipeline and civil works for WWTP manhole at Sta.A0+953.
- Continue pipe crossing installation at Sta.A 0+650 RHS.

##### **13.2.2 Segment B:**

- Handing over subgrade layer from Sta.B0+050 to Sta.B 0+230 & from Sta.B 0+660 to Sta.B 0+920.
- Continue spreading, leveling, watering and compaction of base coarse layer from Sta.B 0+070 to Sta.B 0+400 and from Sta.B0+430 to Sta.B0+860.
- Excavation, subgrade and three layers base course works for box culvert at Sta.B0+024 to Sta.0+040.
- Continue excavation for pipe culvert (1000 mm) at Sta.B 0+427.
- Continue preparation and leveling of access road for sewer line from Sta.B 0+430 to Sta.0+980 RHS.
- Handing over 18<sup>th</sup> filling layer at segment B from Sta.B0+930 to Sta.B0+981.69 RHS
- Handing over and casting outlet wall of pipe culvert at Sta.B0+425.

#### **13.2. Planned Activities for Next Month**

The following are the main activities planned for next reporting period:

##### **13.2.1 Segment A:**

- Complete base coarse layer from Sta.A 0+200 to Sta.A 1+056.
- Asphaltting and paving at Segment A from Sta.A0+200 to Sta.A 1+056.



- Complete retaining walls casting concrete, insulation and backfilling from Sta.A0+206 to Sta.0+257 RHS.
- Complete structure works of main connection chamber at Sta.A 0+000.
- Concrete ditches works from Sta.A 0+260 to Sta.A 0+056 RHS

### **13.2.2 Segment B:**

- Sewer line excavation and installation from Sta.0+000 to Sta.0+140 including manholes.
- Box culvert casting at Sta.B0+008 to Sta.B0+042
- Installation of pipe culvert at Sta.B 0+920
- Complete handing over of base coarse layer from Sta.B 0+060 to Sta.B 0+981.
- Asphaltting and paving of segment B from Sta.B 0+060 to Sta.B 0+981.
- Concrete ditches works from Sta.B 0+060 to Sta.B 0+980 LHS

## 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	2937
Person Days of Employment Generated During the Current Reporting Period	786
Accumulative Persons Days of Employment Generated	3723
<b>Male Person Days of Employment</b>	
Person Days of Employment Generated Previously	2530
Person Days of Employment Generated during the current reporting period	711
Accumulative Persons Days of Employment Generated	3241
<b>Female Person Days of Employment</b>	
Person Days of Employment Generated Previously	130
Person Days of Employment Generated during the current reporting period	22
Accumulative Persons Days of Employment Generated	152
<b>Total Number of Full Time Equivalent Jobs (FTE)</b>	
Number of Full Time Equivalent Jobs Generated Previously	123
Number of Full Time Equivalent Jobs Generated During Current Period	31
Total Number of Full Time Equivalent Jobs Generated	154

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	33 Calendar Days
Modified Period of Performance	273 Calendar Days
Modified Completion Date	September 13, 2015
Number of Working Days during this month	26 Calendar Days
Accumulated Working Days	164 Calendar Days
Number of non-working days (holidays and weekends) during this reporting period	4 Calendar Days
Accumulated non-working days (holidays and weekends)	28 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-008	BV	SAK	Land Obstruction at Sta.B0+030	June 8, 2015	Site instruction
SM -15-000001-HAR-E-C-009	BV	SAK	Construction of concrete Ditches at Segment A and B	June 23, 2015	Site instruction
SM -15-000001-HAR-E-C-010	BV	SAK	Additional Works.	June 24, 2015	Site instruction
Site Memorandum log					
SM No.	From	To	Description	Sent Date	Type
SM -15-000001-HAR-C-E-007	SAK	BV	Remobilization for construction of Box Culvert at St. B0+030 Response to (SM-15-000001-E-C-008)	June 10, 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, many quality control plans submittals were 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 it was returned with Action C- Revise on June 08, 2015. During this reporting period, SAK addressed all of the comments and resubmitted the submittal to CMC on June 29, 2015 for their review.
- A method statement for sewer system at Segment B was submitted to CMC on May 04, 2015 and it was returned with Action C- Revise on May 13, 2015.

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

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	2nd Inspection
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 1, 2015	0	A	
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	1	A	
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	1	A	
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	1	C	
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 3, 2015	0	A	
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	1	C	
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	1	A	
IR -15-01-HAR-131-A	Installation of water manholes and connection of gate valve at	June 2, 2015	June 2, 2015	June 3, 2015	1	A	



	Segment A at Sta.A0+470 and washout at Sta.A0+930 including external coating						
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 4, 2015	0	A	
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 7, 2015	0	A	
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 7, 2015	0	A	
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 8, 2015	0	A	
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	1	A	
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	1	A	
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	1	A	
IR -15-01-HAR-139-A	Handing Over 12th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to	June 11, 2015	June 13, 2015	June 14, 2015	1	A	



	Sta.B0+981.69 (BENCHING) RHS.						
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 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 14, 2015	0	C	
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	1	A	
IR -15-01-HAR-142-A	Correction of Monthly Environmental Check List of April 2015	June 14, 2015	June 14, 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	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 17, 2015	0	C	
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 20, 2015	0	A	
IR -15-01-HAR-144-A	Correction of Monthly Environmental Check List of May 2015	June 15, 2015	June 16, 2015	June 17, 2015	1	A	
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	1	A	
IR -15-01-HAR-146-A	Handing Over Sub-grade layer at Segment A From Sta.A0+200 to	June 17, 2015	June 17, 2015	June 21, 2015	4	C	



	Sta.A1+056 including alignment & compaction .						
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	1	A	
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 21, 2015	0	C	
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 22, 2015	0	A	
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	1	A	
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	1	A	
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	1	A	
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	1	A	
IR -15-01-HAR-154-A	Handing Over compacted 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 24, 2015	0	A	
IR -15-01-	Handing Over Retaining Wall Formwork From Sta.A0+206 to	June 24,	June 24,	June 24,	0	A	



HAR-155-A	Sta.A0+214 RHS .	2015	2015	2015			
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 25, 2015	0	A	
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 25, 2015	0	A	
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 27, 2015	0	A	
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 27, 2015	0	A	
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	1	A	
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 27, 2015	0	A	
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 28, 2015	0	A	
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 29, 2015	0	A	
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 29, 2015	0	A	
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			P	



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			P
*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-061-A	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	June 2, 2015	June 8, 2015	6	A
TEST -15-000001-HAR-062-A	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	June 2, 2015	June 8, 2015	6	A
TEST -15-000001-HAR-063-A	Test Report -NO: BM/CT/15652 Concrete Compressive Strength / RW between station Sta.B0+217.5 to Sta.B0+230 - 28 Days	June 2, 2015	June 8, 2015	6	A
TEST -15-000001-HAR-064-A	Test Report -NO: BM/CT/15681 Concrete Compressive Strength / RW between station Sta.B0+040 to Sta.B0+060 - 28 Days	June 2, 2015	June 8, 2015	6	A
TEST -15-000001-HAR-065-A	Test Report -NO: BM/CT/15771 Concrete Compressive Strength / Footing of Manhole at Sta.A0+995 -7 Days	June 2, 2015	June 8, 2015	6	A
TEST -15-000001-HAR-066-A	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	June 3, 2015	June 8, 2015	5	B
TEST -15-000001-HAR-067-A	Test Report -NO: ST/ FD/15319 Selected Imported Fill Materials at Segment B From Sta.B0+940 to Sta.B0+980	June 3, 2015	June 8, 2015	5	A
TEST -15-000001-HAR-068-A	Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660	June 9, 2015	June 10, 2015	1	C
TEST -15-000001-HAR-068-B	Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660	June 14, 2015	June 17, 2015	3	A
TEST -15-000001-HAR-069-A	Test Report -NO: ST/FD/15332 Sub-grade Materials-First Test and Retested	June 9, 2015	June 10, 2015	1	A

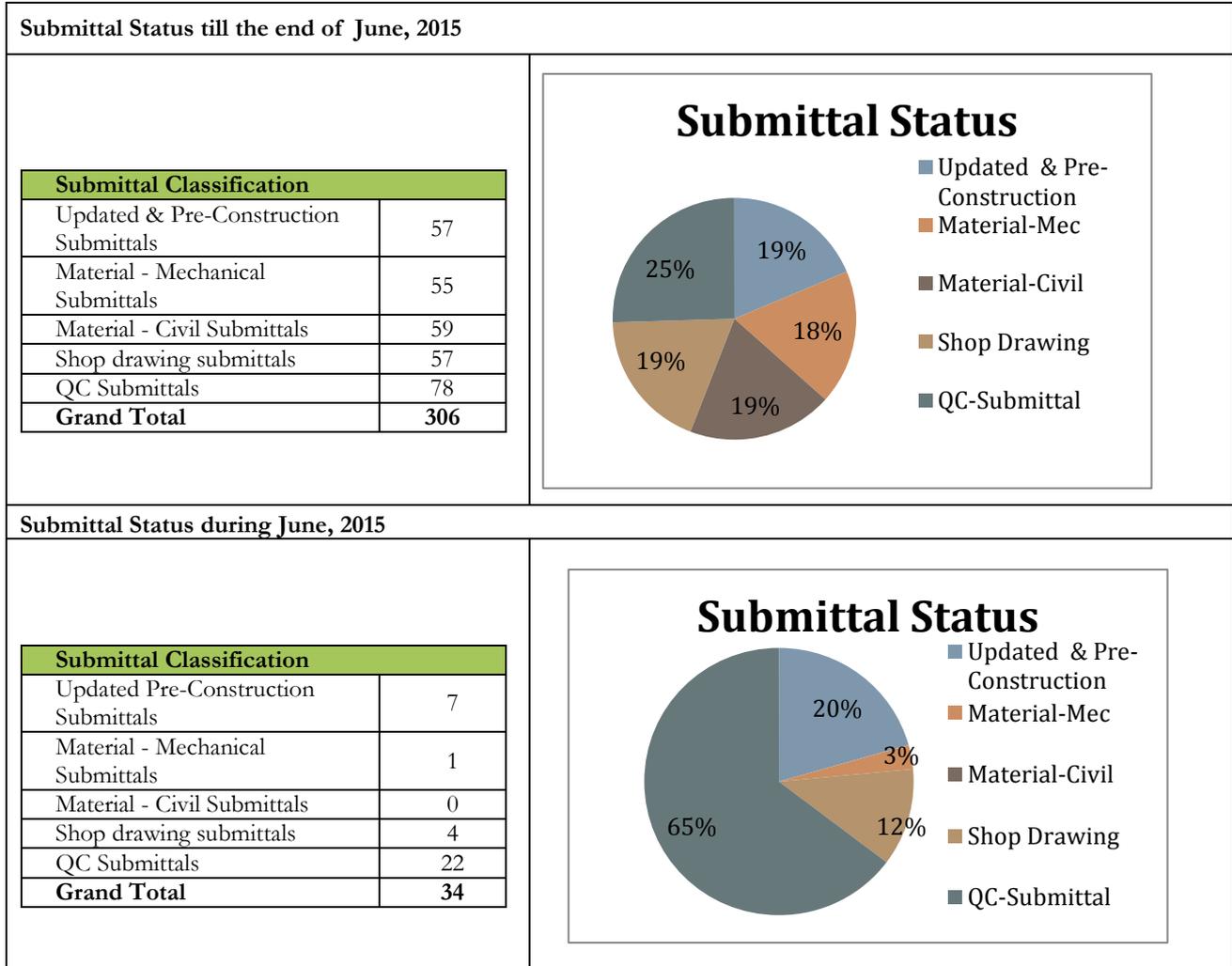


	Sample Between Sta.B0+070 to Sta.B0+240				
TEST -15-000001-HAR-070-A	Test Report -NO: ST/15290 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+070 Sta.B0+660	June 10, 2015	June 11, 2015	1	A
TEST -15-000001-HAR-071-A	Test Report -NO: ST/ FD/15331 Selected Imported Fill Materials at Segment B From Sta.B0+950 to Sta.B0+980	June 10, 2015	June 11, 2015	1	B
TEST -15-000001-HAR-072-A	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	June 10, 2015	June 11, 2015	1	B
TEST -15-000001-HAR-073-A	Test Report -NO: ST/ FD/15360 Imported Fill Materials 11th layer at Segment B From Sta.B0+940 to Sta.B0+980	June 14, 2015	June 17, 2015	3	A
TEST -15-000001-HAR-074-A	Test Report -NO: ST/15318 Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+056	June 25, 2015	June 30, 2015	5	C
TEST -15-000001-HAR-075-A	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	June 25, 2015	June 29, 2015	4	A
TEST -15-000001-HAR-076-A	Test Report -NO: ST/ FD/15359 and Retest Report -NO: ST/ FD/15367 of Sub-Grade layer at Segment B From Sta.B0+660 to Sta.B0+900	June 25, 2015	June 29, 2015	4	A
TEST -15-000001-HAR-077-A	Test Report -NO: ST/15317 Modified Proctor of Sub-Grade material at segment A from sta.A0+680 TO st.A0+950	June 25, 2015	June 29, 2015	4	A
TEST -15-000001-HAR-078-A	Test Report -NO: ST/15319 Modified Proctor of Sub-Grade material at segment A from sta.A0+950 TO st.A1+056	June 25, 2015	June 29, 2015	4	A
TEST -15-000001-HAR-079-A	Test Report -NO: BM/CT/15812 Concrete Compressive Strength / Walls of Manhole WWTP Connection at St(A0+953) - 7Days	June 28, 2015	June 29, 2015	1	A
TEST -15-000001-HAR-080-A	Test Report -NO: ST/15311 Comprehensive Test Base Coarse Material / Loose Sample From StaB0+430 Sta.B0+920	June 28, 2015	June 29, 2015	1	B
TEST -15-000001-HAR-081-A	Test Report -NO: ST/15331 Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+056	June 30, 2015			P
*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit, D:Rejected-Resubmit, E:Review Not Required, P:Pending					



**18. 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 June, 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-013-B	EC Declaration Danfoss 017R9601.02	June 14, 2015	June 16, 2015	2	E
SUB-15-00001-HAR-117-C	Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+564	June 9, 2015	June 24, 2015	15	B
SUB-15-00001-HAR-126-D	Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS / For Construction	June 9, 2015	June 11, 2015	2	A
SUB-15-00001-HAR-132-B	Monthly Updated Submittal	June 10,	June 16,	6	B



	Schedule	2015	2015		
SUB-15-00001-HAR-135-C	Pipe Culvert From Sta B0+415 and Sta.B0+970 / For Construction	June 8, 2015	June 11, 2015	3	A
SUB-15-00001-HAR-139-B	Plan , Profile and Cross Section at Segment B From Sta.B0+000 to Sta.B0+040 / For Construction	June 9, 2015	June 14, 2015	5	A
SUB-15-00001-HAR-143-B	Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe	June 29, 2015			P
SUB-15-00001-HAR-149-A	Updated Original CPM Schedule Submittal May 31, 2015	June 14, 2015	June 21, 2015	7	C
SUB-15-00001-HAR-149-B	Updated Original CPM Schedule Submittal May 31, 2015	June 23, 2015	June 24, 2015	1	B
SUB-15-00001-HAR-150-A	Environmental Monitoring and Mitigation Plan Update for May	June 17, 2015	June 28, 2015	11	B
SUB-15-00001-HAR-151-A	Updated Safety Plan May 2015	June 17, 2015	June 28, 2015	11	B
SUB-15-00001-HAR-152-A	Updated Construction Risk Management Plan ( CRMP) - May 2015	June 17, 2015	June 28, 2015	11	B
*Note: A:No Exceptions Noted, B:Make Corrections Noted, C:Amend-Resubmit, D:Rejected-Resubmit, E:Review Not Required, P:Pending					

## 19. 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-038	RE:FW: TO 15-01 HAR: Contractor's Monthly Report- February 2015	SAK	USAID	June 3, 2015
Email-15-01-SAK-OUT-039	RE:TO 15-01 HAR: May Monthly Progress Report	SAK	USAID	June 4, 2015
Email-15-01-SAK-OUT-040	LCP Projects: Geo-MIS- May ,2015	SAK	BV	June 7, 2015
Email-15-01-SAK-OUT-041	RE: TO 15-00001 HAR :Variation order #01 –Part 1 of 2	SAK	BV	June 8, 2015
Email-15-01-SAK-OUT-042	RE: TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates	SAK	BV	June 10, 2015
Email-15-01-SAK-OUT-043	TO 15 000001 HAR :Safety Toll Box Meeting for June 2015	SAK	BV	June 13, 2015
Email-15-01-SAK-OUT-044	TO 15 000001 HAR :For Construction Copies	SAK	BV	June 13, 2015
Email-15-01-SAK-OUT-045	TO 15 000001 HAR :Un closed Submittals	SAK	BV	June 14, 2015
Email-15-01-SAK-OUT-046	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	SAK	USAID	June 24, 2015



Email-15-01-SAK-OUT-047	TASK ORDER NO : AID-294-TO-15-000001(Partial Payment Request – Payment No.04)	SAK	BV	June 28, 2015
Email-15-01-SAK-OUT-048	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	SAK	USAID	June 30, 2015

INCOMING EMAILS LOG				
DCN No.	Subject	From	To	Received Date
Email-15-01-SAK-IN-055	TO 15-000001 HAR: Delivered Base Course Material From Sta.B0+420 to Sta.B0+660	BV	USAID & SAK	June 1, 2015
Email-15-01-SAK-IN-056	TO 15-000001 HAR: Draft Mom No .010	BV	USAID & SAK	June 3, 2015
Email-15-01-SAK-IN-057	TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates	BV	SAK	June 7, 2015
Email-15-01-SAK-IN-058	TO 15 000001 HAR :Un closed Submittals	BV	SAK	June 7, 2015
Email-15-01-SAK-IN-059	TO 15 000001 HAR :For Construction Copies	BV	SAK	June 7, 2015
Email-15-01-SAK-IN-060	TO 15-000001 HAR: Final MOM No .010	BV	USAID & SAK	June 8, 2015
Email-15-01-SAK-IN-061	RESENDING :Task Order 14-00002 & 15-000001 Site Visit	BV	USAID & SAK	June 8, 2015
Email-15-01-SAK-IN-062	TO 15-00001 HAR :Variation order #01 – Part 1 of 2	BV	SAK	June 8, 2015
Email-15-01-SAK-IN-063	RE: TO 15-00001 HAR :Variation order #01 –Part 2 of 2	BV	SAK	June 8, 2015
Email-15-01-SAK-IN-064	TO 15-00001 HAR :Relocation of Olive Trees	BV	SAK	June 9, 2015
Email-15-01-SAK-IN-065	TO 15 000001 HAR :Safety Toll Box Meeting for June 2015	BV	SAK	June 10, 2015
Email-15-01-SAK-IN-066	TO 15 000001 HAR :Progress Meeting #011 Agenda	BV	USAID & SAK	June 11, 2015
Email-15-01-SAK-IN-067	RE:TO 15 000001 HAR :Progress Meeting #011 Agenda	BV	USAID & SAK	June 14, 2015
Email-15-01-SAK-IN-068	TO 15-000001 HAR: Draft MOM No .011	BV	USAID & SAK	June 17, 2015
Email-15-01-SAK-IN-069	TO 15-000001 HAR: Final MOM No .011	USAID	SAK	June 21, 2015
Email-15-01-SAK-IN-070	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	USAID	SAK	June 22, 2015
Email-15-01-SAK-IN-071	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	USAID	SAK	June 22, 2015
Email-15-01-SAK-IN-072	TO 15 000001 HAR :Progress Meeting #012 Agenda	USAID	SAK	June 24, 2015



Email-15-01-SAK-IN-073	TO 15 000001 HAR :Concrete Screed Over Pipe Crossings	BV	SAK	June 25, 2015
Email-15-01-SAK-IN-074	TO 15 000001 HAR :Un closed Submittals	BV	SAK	June 28, 2015
Email-15-01-SAK-IN-075	TO 15 000001 HAR :For Construction Copies	BV	SAK	June 28, 2015
Email-15-01-SAK-IN-076	TO 15 000001 HAR :Concrete Screed Over Pipeline Trench (A0+000 to A0+200)	BV	SAK	June 28, 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	Submitted Date	From	To
<b>LETTERS FROM CONTRACTOR TO USAID</b>				
No letters were issued from contractor to USAID during this reporting period				

**20. 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			

**21. Payments**

No payments were issued during this reporting period.

Progress Payment Log					
Invoice No.	Invoiced Amount	Cumulative Amount	Task Order Amount	Remaining Amount	Date Submitted to B&V
No Payment were issued during reporting period					

## 22. 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 VORs were issued during this reporting period					

## 23. Variation Order

One Variation Order was issued during this reporting period.

Variation Order Log					
Variation Order No.	Description	PVOs/VOs	PVOs/VOs (Calendar Days)	PVO/VO Status	Date Approved By USAID
VO-15-000001-HAR-001	Change in requirements , New Definitive Quantities And Time Extension	\$( 122,097.40)	33	Approved	June 15, 2015

## 24. Obstacles and Challenges

### 24.1 Challenges:

There were no challenges during this reporting period.

### 24.2 Obstacles:

The following table summarizes obstacles and action taken during this reporting period:

Obstacles	Station		Causative Factor	Date		Action Taken
	From	To		From	To	
Stoppage of excavation works at Segment A (4 hours per day)	Sta.A 0+720 RHS	Sta.A 0+760 RHS	Land Owners	June 01, 2015	June 02, 2015	Several coordination meetings were conducted with Hebron Municipality
Stoppage of excavation works of proposed box culvert at Segment B	Sta.B 0+008	Sta.B 0+034		June 01 , 2015	June 04, 2015	
				June 06 , 2015	June 07, 2015	

The following table summarizes the non-working days due to obstacles mentioned above:

Description	Days
Number of non-working days due to land owners objections	7 Calendar Days
Accumulated non-working days land owner objections	37 Calendar Days



**25. Progress Photos**



**Photo# 1: Bi- Weekly Progress Meeting #10**



**Photo# 2: Bi- Weekly Progress Meeting #11**



**Photo#3: Handing Over Sub-grade Layer at Segment B from Sta.B0+070 to Sta.B0+240**



**Photo# 4: Installation of Washout at Sta.A0+930**



**Photo# 5: Second Protective Coating for Qelqes Connection Surfaces at Sta.A0+995 LHS**



**Photo# 6: Dust control**



**Photo#7: Continue spreading, leveling, watering and compaction of base coarse layer at Segment B From Sta.B0+070 to Sta.B0+400**



**Photo# 08: Field Density Test for Imported 14th Filling Layer From Sta.B0+930 to Sta.B0+981.69 RHS**



**Photo #09: Continue Steel Reinforcement of Retaining Wall Foundation from Sta.A0+206 to Sta.A0+257 RHS**



**Photo #10: Excavation of Box Culvert from Sta.B0+024 to Sta.B0+040**



**Photo #11: Preparation reinforced steel of outlet and inlet walls structure of pipe culvert at Sta. (B0+425)**



**Photo #12: Conducting water pressure test for 4" water pipe line (PN25) at segment A from Sta.A0+000 to A1+000**



# 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**



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
<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



**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**



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
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
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 m3
	Water Tank	1
February 25, 2015	Base Course	70 m3
February 26, 2015	Base Course	50 m3
	4" Water Steel pipes	1003 L.m
February 27, 2015		



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**Hebron WWTP Access Road**



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
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 Reinforcement	10618 Kg
March 6, 2015	None	None
March 7, 2015	Traffic signs	2 PC
	Steel Barriers	20 PC
	Concrete	2 m3
	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 m3
March 13, 2015	None	None
March 14, 2015	Formwork for RW	20 PC
March 15, 2015	Base Course	60 m3
March 16, 2015	Somsom	60 m3
	Single Size	60 m3
March 17, 2015	Blinding Concrete B150	19 m3
	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 m3
March 20, 2015	None	None
March 21, 2015	4" UPC Pipes	14
	Reinforcement Steel	9970 Kg
	Somsom	40 m3
	Homos	80 m3
	Bitumen Coating	9
March 22, 2015	Concrete B300	85 m3
	Single Size	110 m3
March 23, 2015	Somsom	60 m3



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



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
March 23, 2015	Homos	40 m3
March 24, 2015	Somsom	40 m3
	Homos	40 m3
March 25, 2015	Somsom	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



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



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
April 14, 2015	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
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



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**Hebron WWTP Access Road**



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
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
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 Couarse	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



**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**



**Material Log**

<b>Date</b>	<b>Material Delivered to Site</b>	<b>Quantity</b>
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



**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**



**Equipment Log**

Date 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**  
**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 :June 30, 2015

SITE MEMOS LOG_FROM ENGINEER					
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	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	<del>Retracted March-09,2015-</del>	Site instruction
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 23, 2015	Site instruction



**USAID**  
FROM THE AMERICAN PEOPLE

**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: June 30, 2015

SITE MEMOS LOG_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



# 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**



**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	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
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	
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	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
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	
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	



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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	
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	



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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	
72	<del>IR -15-01-HAR-066-A</del>	<del>Road Center Line (Coordinates and levels and limits of ROW)From Sta.B0+860 to Sta.B0+980</del>	<del>April 26, 2015</del>	<del>April 26, 2015</del>	<del>April 27, 2015</del>	<del>Retracted</del>	<del>R</del>	<del>Retracted</del>	
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	



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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	
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	



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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+940to 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>	
102	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	
103	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	
104	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	
105	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	
106	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	
107	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	



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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
108	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	
109	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	
110	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	
111	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	
112	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	
113	IR -15-01-HAR-101-A	Handing Over 4" water pipeline instalation at Sta.A0+000 ( Main Connection Toward existing Manhole)	May 12, 2015	May 12, 2015	May 13, 2015	May 12, 2015	0	A	
114	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	
115	IR -15-01-HAR-103-A	Handing Over Third Imported Filling layer Benching (Fourth Embankment Layer) at Segement B From Sta.B0+230 to Sta.B0+290	May 13, 2015	May 13, 2015	May 14, 2015	May 14, 2015	1	A	
116	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	
117	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	
118	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	
119	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	
120	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	
121	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	
122	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	



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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-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	
124	IR -15-01-HAR-110-B	Handing Over Sub-grade layer Imported material at Segment B From Sta.B0+240 to Sta.B0+450						P	
125	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
126	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
127	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	
128	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	
129	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	
130	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	
131	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	
132	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	
133	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	
134	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	
135	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	
136	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 slop	May 27, 2015	May 27, 2015	May 28, 2015	May 28, 2015	1	A	
137	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 slop	May 27, 2015	May 27, 2015	May 28, 2015	May 28, 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
138	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	
139	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	
140	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	
141	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	
142	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	
143	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	
144	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	
145	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	
146	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	
147	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	
148	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	
149	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	
150	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	
151	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	
152	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	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
153	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	
154	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	
155	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	
156	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	
157	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	
158	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	
	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	
159	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	
160	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	
	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	
163	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	
162	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	
163	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-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	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
165	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	
166	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	
167	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	
168	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	
169	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	
170	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	
171	IR -15-01-HAR-154-A	Handing Over compacted 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	
172	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	
173	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	
174	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	
175	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	
176	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	
177	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	
178	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	
179	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	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
180	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	
181	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	
182	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	July 1, 2015			P	
183	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	July 1, 2015			P	



# Annex D:

## Submittals Log.



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No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
1	SUB-15-00001-HAR-001-A	HAR	Guarantee Certificate	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	E
2	SUB-15-00001-HAR-002-A	HAR	Insurance Certificate	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	E
3	SUB-15-00001-HAR-003-A	HAR	Scheduling Qualification	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	A
4	SUB-15-00001-HAR-004-A	HAR	Office Furniture	Pre-Construction	December 16, 2014	January 15, 2015	December 21, 2014	5	B
5	SUB-15-00001-HAR-005-A	HAR	Field Office Computer System	Pre-Construction	December 16, 2014	January 15, 2015	December 21, 2014	5	B
6	SUB-15-00001-HAR-006-A	HAR	Gate Valve GV3 (DN 50-100)	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
7	SUB-15-00001-HAR-007-A	HAR	Dismantling Joints	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
8	SUB-15-00001-HAR-008-A	HAR	Pressure transmitter type 528	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	D
9	SUB-15-00001-HAR-008-B	HAR	Pressure transmitter type 528	Material - Mec	January 18, 2015	February 17, 2015	January 28, 2015	10	C
10	SUB-15-00001-HAR-008-C	HAR	Pressure transmitter type 528	Material - Mec	February 4, 2015	March 6, 2015	February 17, 2015	13	B
11	SUB-15-00001-HAR-009-A	HAR	Pressure Indicating Transmitter	Material - Mec	December 18, 2014	January 17, 2015	January 12, 2015	25	C
12	SUB-15-00001-HAR-009-B	HAR	Pressure Indicating Transmitter	Material - Mec	January 18, 2015	February 17, 2015	January 29, 2015	11	C
13	SUB-15-00001-HAR-009-C	HAR	Pressure Indicating Transmitter	Material - Mec	February 4, 2015	March 6, 2015	March 5, 2015	29	E
14	SUB-15-00001-HAR-010-A	HAR	Lighting surge arrestor for control panel	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
15	SUB-15-00001-HAR-011-A	HAR	Electromagnetic flowmeter	Material - Mec	December 18, 2014	January 17, 2015	January 4, 2015	17	C
16	SUB-15-00001-HAR-011-B	HAR	Electromagnetic flowmeter	Material - Mec	January 15, 2015	February 14, 2015	January 26, 2015	11	B
17	SUB-15-00001-HAR-012-A	HAR	Flowmeters MAG8000	Material - Mec	December 18, 2014	January 17, 2015	January 11, 2015	24	B
18	SUB-15-00001-HAR-013-A	HAR	EC Declaration Danfoss 017R9601.02	Material - Mec	December 18, 2014	January 17, 2015	January 11, 2015	24	D



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No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
19	SUB-15-00001-HAR-013-B	HAR	EC Declaration Danfoss 017R9601.02	Material - Mec	June 14, 2015	July 14, 2015	June 16, 2015	2	E
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



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37	SUB-15-00001-HAR-023-B	HAR	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
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	Cell Phones & SIM (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



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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
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



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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	
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	





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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
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



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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
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
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 ( Bitumol 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 ( Bitumol 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



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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
152	SUB-15-00001-HAR-099-B	HAR	Sewer Manhole Cover 600 mm "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



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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
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-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



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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-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
184	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
185	SUB-15-00001-HAR-123-A	HAR	Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL	Material - Civil	April 13, 2015	May 13, 2015	April 16, 2015	3	B
186	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
187	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
188	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
189	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
190	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
191	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
192	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
193	SUB-15-00001-HAR-128-A	HAR	Monthly Updated Quality Control Plan	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	C
194	SUB-15-00001-HAR-128-B	HAR	Monthly Updated Quality Control Plan	Construction	May 31, 2015	June 30, 2015	June 3, 2015	3	B
195	SUB-15-00001-HAR-129-A	HAR	Monthly Updated Safety Plan	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	C
196	SUB-15-00001-HAR-129-B	HAR	Monthly Updated Safety Plan	Construction	May 17, 2015	June 16, 2015	May 28, 2015	11	B
197	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
198	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







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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 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



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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
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



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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	
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	



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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
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



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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	P
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
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



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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	
	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	
73	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	
74	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	
75	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	
76	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	



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QC SUBMITTALS LOG										
No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status	
77	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	
78	TEST -15-000001-HAR-074-A	HAR	Test Report -NO: ST/15318 Comprehensive 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	
79	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	
80	TEST -15-000001-HAR-076-A	HAR	Test Report -NO: ST/ FD/15359 and Retest Report -NO: ST/ FD/15367 of 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	
81	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	
82	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	
83	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	
84	TEST -15-000001-HAR-080-A	HAR	Test Report -NO: ST/15311 Comprehensive 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	
85	TEST -15-000001-HAR-081-A	HAR	Test Report -NO: ST/15331 Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+056	Compressive Strength	June 30, 2015	July 30, 2015			P	



# Annex E:

## RFI's Log for the Reporting Period



**USAID WEST BANK - GAZA**  
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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



# Annex F:

## Payments Log



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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



# Annex G:

## Transmittal Log



**USAID WEST BANK/ GAZA**  
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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



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**Hebron WWTP Access Road**



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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



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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



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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



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INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
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
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



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INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
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
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



**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 :June 30, 2015

INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
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 Kaspry & 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 Kaspry & 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
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



**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 :June 30, 2015

INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
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



**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**



**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>							



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

PERIOD FROM: Dec. 15, 2014

PERIOD TO: June 31, 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	
December	2014	16	32	0	0	7	55	2	15	40	
January	2015	67	68	37	0	98	270	11	23	201	
February	2015	64	68	52	2	148	334	14	22	254	
March	2015	76	79	272	48	132	606	25	24	583	
April	2015	81	79	420	67	151	798	34	24	687	
May	2015	88	79	457	64	185	874	37	22	767	
June	2015	79	65	418	46	178	786	33	22	714	
July	2015										
August	2015										
September	2015										
Total of FY 2015		471	470	1656	227	899	3723	156	152	3244	
October	2015										
November	2015										
December	2015										
January	2016										
February	2016										
March	2016										
April	2016										
May	2016										
June	2016										
July	2016										
August	2016										
September	2016										
Total of FY 2016							0	0	0	0	

Note :

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

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



USAID WEST BANK/ GAZA - 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  
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	Storage Guard							
December 15, 2014	8	0	0	8	8	0	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	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	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	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	0
December 20, 2014	8	0	0	8	8	0	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	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	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	0	1	2	0	0	0	2	1
December 24, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	1
December 25, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	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	0
December 27, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	1
December 28, 2014	8	0	0	8	8	8	0	0	0	0	0	0	8	0	0	1	3	0	0	1	4	1
December 29, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	1
December 30, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	1
December 31, 2014	8	0	0	8	8	0	0	0	0	0	0	0	8	0	0	1	2	0	0	1	3	1
<b>Total of Month</b>	<b>120</b>	<b>8</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>40</b>	<b>15</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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TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temproray Job Days Summary Report

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

PERIOD FROM: Jan. 01, 2015

PERIOD TO: Jan. 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 (I)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard								Storage Guard
January 1, 2015	8	0	0	8	8	0	0	0	0	0	0	8	12	0	1	2	0	0	2.5	3	1	
January 2, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	1.5	0	0	
January 3, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 4, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 5, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 6, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 7, 2015	0	0	0	0	0	0	0	0	0	0	0	8	12	0	0	0	0	0	2.5	1	0	
January 8, 2015	0	0	0	0	0	0	0	0	0	0	0	8	12	0	0	0	0	0	2.5	1	0	
January 9, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	1.5	0	0	
January 10, 2015	0	0	0	0	0	0	0	0	0	0	0	8	12	0	0	0	0	0	2.5	1	0	
January 11, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 12, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 13, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 14, 2015	8	8	8	8	8	8	0	0	0	0	0	8	12	0	3	3	0	0	2.5	6	1	
January 15, 2015	8	8	8	8	8	8	0	0	0	16	0	8	12	0	3	3	2	0	2.5	8	1	
January 16, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	1.5	0	0	
January 17, 2015	8	8	8	8	8	8	0	0	0	8	0	8	12	0	3	3	1	0	2.5	7	1	
January 18, 2015	8	8	8	8	8	8	0	0	0	8	0	8	12	0	3	3	1	0	2.5	7	1	
January 19, 2015	8	8	8	8	8	8	0	8	0	8	0	8	12	0	3	3	2	0	2.5	8	1	
January 20, 2015	8	8	8	8	8	8	0	8	0	16	0	8	12	0	3	3	3	0	2.5	9	1	
January 21, 2015	8	8	8	8	8	8	0	32	0	8	0	0	16	12	3	3	5	0	5	14	1	
January 22, 2015	8	8	8	8	8	8	0	32	0	8	0	0	16	12	3	3	5	0	5	14	1	
January 23, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	2	0	
January 24, 2015	8	8	8	8	8	8	0	32	0	8	0	0	16	12	3	3	5	0	5	14	1	
January 25, 2015	8	8	8	8	8	8	0	32	0	8	0	0	16	12	3	3	5	0	5	14	1	
January 26, 2015	8	8	8	8	8	8	0	32	0	0	0	0	16	12	3	3	4	0	5	13	1	
January 27, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	3	3	1	0	5	10	1	
January 28, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	3	3	1	0	5	10	1	
January 29, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	3	3	1	0	5	10	1	
January 30, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	2	0	
January 31, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	3	3	1	0	5	10	1	
<b>Total of Month</b>	<b>184</b>	<b>176</b>	<b>176</b>	<b>184</b>	<b>184</b>	<b>176</b>	<b>0</b>	<b>208</b>	<b>0</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>280</b>	<b>372</b>	<b>132</b>	<b>67</b>	<b>68</b>	<b>37</b>	<b>0</b>	<b>98</b>	<b>201</b>	<b>23</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.

TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temprorary Job Days Summary Report

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

PERIOD FROM: Feb. 01, 2015

PERIOD TO: Feb. 28, 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	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
February 1, 2015	8	8	0	8	8	8	0	8	0	0	0	0	16	12	12	2	3	1	0	5	9	1
February 2, 2015	8	8	0	8	8	8	0	8	0	0	0	0	16	12	12	2	3	1	0	5	9	1
February 3, 2015	8	8	0	8	8	8	0	8	0	0	0	0	16	12	12	2	3	1	0	5	9	1
February 4, 2015	8	8	0	8	8	8	0	8	0	0	0	0	16	12	12	2	3	1	0	5	9	1
February 5, 2015	8	8	0	8	8	8	0	8	0	0	0	0	16	12	12	2	3	1	0	5	9	1
February 6, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	0	0	0	0	3	2	0
February 7, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	12	3	3	1	0	5	10	1
February 8, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	12	3	3	1	0	5	10	1
February 9, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	12	12	3	3	1	0	5	10	1
February 10, 2015	8	8	8	8	8	8	0	16	0	8	0	0	16	12	12	3	3	3	0	5	12	1
February 11, 2015	8	8	8	8	8	8	0	16	0	3	0	0	16	12	12	3	3	2	0	5	11	1
February 12, 2015	8	8	8	8	8	8	0	16	0	8	0	0	16	12	12	3	3	3	0	5	12	1
February 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	0	0	0	0	3	2	0
February 14, 2015	8	8	8	8	8	8	0	24	0	8	0	0	16	24	12	3	3	4	0	6.5	13	1
February 15, 2015	8	8	8	8	8	8	0	16	0	15	0	0	16	24	12	3	3	4	0	6.5	12	1
February 16, 2015	8	8	8	8	0	8	0	8	0	10	0	0	16	24	12	3	2	2	0	6.5	11	0
February 17, 2015	8	8	8	8	8	8	0	8	0	14	0	0	16	24	12	3	3	3	0	6.5	11	1
February 18, 2015	8	8	8	8	8	8	0	8	0	12	0	0	16	24	12	3	3	3	0	6.5	11	1
February 19, 2015	8	8	8	8	8	8	0	8	0	0	0	0	16	24	12	3	3	1	0	6.5	10	1
February 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	0	0	0	0	3	2	0
February 21, 2015	0	0	0	0	0	0	0	0	0	0	0	0	16	12	12	0	0	0	0	5	4	0
February 22, 2015	8	8	8	8	8	8	0	8	0	6	0	0	16	24	12	3	3	2	0	6.5	10	1
February 23, 2015	8	8	8	8	8	8	0	8	0	16	0	0	16	24	12	3	3	3	0	6.5	12	1
February 24, 2015	8	8	8	8	8	8	0	8	0	18	0	0	16	24	12	3	3	3	0	6.5	12	1
February 25, 2015	8	8	8	8	8	8	0	8	0	18	0	0	16	24	12	3	3	3	0	7	12	1
February 26, 2015	8	8	8	8	8	8	0	8	0	24	8	0	16	24	12	3	3	4	1	6.5	14	1
February 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	0	0	0	0	3	2	0
February 28, 2015	8	8	8	8	8	8	0	8	0	25	8	0	12	12	12	3	3	4	1	4.5	13	1
<b>Total of Month</b>	<b>184</b>	<b>184</b>	<b>144</b>	<b>184</b>	<b>176</b>	<b>184</b>	<b>0</b>	<b>232</b>	<b>0</b>	<b>185</b>	<b>16</b>	<b>0</b>	<b>380</b>	<b>468</b>	<b>336</b>	<b>64</b>	<b>68</b>	<b>52</b>	<b>2</b>	<b>148</b>	<b>254</b>	<b>22</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(LCP)  
 CONTRACT NO. :AID-294-I-13-00002



TASK ORDER NO.: AID-294-TO-15-000001  
 TASK ORDER SHORT NAME: Hebron WWTP Access Road  
 Temproray Job Days Summary Report

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

PERIOD FROM: March 01, 2015  
 PERIOD TO: March 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	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
March 1, 2015	8	8	8	8	8	8	0	8	0	12	8	0	16	24	12	3	3	3	1	4.5	13	1
March 2, 2015	8	8	8	8	0	8	0	8	0	17	8	0	16	24	12	3	2	3	1	4.5	14	0
March 3, 2015	8	8	8	8	0	8	0	8	0	14	8	0	16	24	12	3	2	3	1	4.5	13	0
March 4, 2015	8	8	8	8	8	8	0	8	0	12	8	0	16	24	12	3	3	3	1	4.5	13	1
March 5, 2015	8	8	8	8	8	8	0	8	0	11	8	0	16	24	12	3	3	2	1	4.5	13	1
March 6, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
March 7, 2015	8	8	8	8	8	8	0	8	0	2	8	0	16	24	12	3	3	1	1	4.5	12	1
March 8, 2015	8	8	8	8	8	8	0	8	0	16	8	0	16	24	12	3	3	3	1	4.5	14	1
March 9, 2015	8	0	8	8	8	8	0	8	0	16	16	0	16	24	12	2	3	3	2	4.5	14	1
March 10, 2015	8	8	6	8	8	8	0	8	0	46	32	0	16	24	12	3	3	7	4	4.5	20	1
March 11, 2015	8	8	8	8	8	8	0	8	0	51	8	0	16	24	12	3	3	7	1	4.5	18	1
March 12, 2015	8	8	8	8	8	8	0	16	0	48	8	0	16	24	12	3	3	8	1	4.5	18	1
March 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
March 14, 2015	8	8	8	8	0	8	0	8	0	19	8	0	16	24	12	3	2	3	1	4.5	14	0
March 15, 2015	8	8	8	8	8	8	0	8	0	59	8	0	16	24	12	3	3	8	1	4.5	19	1
March 16, 2015	8	0	8	8	8	8	0	8	0	63	8	0	16	24	12	2	3	9	1	4.5	18	1
March 17, 2015	8	8	8	8	8	8	0	32	0	53	8	0	16	24	12	3	3	11	1	4.5	21	1
March 18, 2015	8	8	8	8	8	8	0	64	0	56	8	0	16	24	12	3	3	15	1	4.5	26	1
March 19, 2015	8	8	8	8	8	8	0	64	24	72	24	0	16	24	12	3	3	20	3	4.5	33	1
March 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
March 21, 2015	8	8	8	8	0	8	0	56	24	72	16	0	16	24	12	3	2	19	2	4.5	31	0
March 22, 2015	8	8	8	8	8	8	0	64	0	22	16	0	16	24	12	3	3	11	2	4.5	22	1
March 23, 2015	8	8	8	8	8	8	0	56	24	48	16	0	16	24	12	3	3	16	2	4.5	28	1
March 24, 2015	8	8	8	8	8	8	0	64	24	50	16	0	16	24	12	3	3	17	2	4.5	29	1
March 25, 2015	8	8	8	8	8	8	0	56	16	59	16	0	16	24	12	3	3	16	2	5	28	1
March 26, 2015	8	8	8	8	8	8	0	56	24	66	26	0	16	24	12	3	3	18	3	4.5	31	1
March 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
March 28, 2015	0	8	0	8	8	8	0	64	24	51.1	24	0	16	8	24	1	3	17	3	4	27	1
March 29, 2015	12	8	0	12	12	12	0	56	24	44	36	0	16	8	24	2.5	5	15	5	4	29	2
March 30, 2015	8	8	8	8	8	8	0	56	24	64	16	0	16	8	24	3	3	18	2	4	29	1
March 31, 2015	8	8	8	8	8	8	0	64	0	56	16	0	16	8	24	3	3	15	2	4	26	1
<b>Total of Month</b>	<b>212</b>	<b>200</b>	<b>198</b>	<b>220</b>	<b>188</b>	<b>220</b>	<b>0</b>	<b>872</b>	<b>208</b>	<b>1098.79</b>	<b>382</b>	<b>0</b>	<b>432</b>	<b>632</b>	<b>420</b>	<b>76</b>	<b>79</b>	<b>272</b>	<b>48</b>	<b>132</b>	<b>583</b>	<b>24</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 Summary 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 **															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 (F)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
April 1, 2015	8	8	8	8	8	8	0	16	0	40.0	8	0	8	24	0	3	3	7	1	4	14	1
April 2, 2015	8	8	8	8	8	8	0	64	0	50.0	24	0	8	24	0	3	3	14	3	4	23	1
April 3, 2015	0	0	0	0	0	0	0	0	0	0.0	0	0	0	24	0	0	0	0	0	3	0	0
April 4, 2015	8	8	8	8	8	8	0	72	24	48.0	16	0	8	24	0	3	3	18	2	4	26	1
April 5, 2015	8	8	8	8	8	8	0	64	0	32.0	16	0	8	24	0	3	3	12	2	4	20	1
April 6, 2015	8	8	8	8	8	8	0	72	0	36.0	18	0	8	24	0	3	3	14	2	4	22	1
April 7, 2015	8	8	8	8	8	8	9	63	0	36.0	18	0	8	24	0	3	3	14	2	4	22	1
April 8, 2015	8	8	8	8	8	8	9	72	0	54.0	18	0	8	24	0	3	3	17	2	4	25	1
April 9, 2015	8	8	8	8	8	8	9	90	0	54.0	9	0	8	24	0	3	3	19	1	4	26	1
April 10, 2015	0	0	0	0	0	0	0	0	0	0.0	0	0	0	24	0	0	0	0	0	3	0	0
April 11, 2015	8	8	8	8	8	8	0	56	0	38.0	16	0	8	24	0	3	3	12	2	4	20	1
April 12, 2015	8	8	8	8	8	8	0	24	0	38.0	16	0	8	24	0	3	3	8	2	4	16	1
April 13, 2015	8	8	8	8	8	8	0	36	0	45.0	9	0	8	24	0	3	3	10	1	4	17	1
April 14, 2015	8	8	8	8	8	8	0	90	0	81.0	18	0	8	24	0	3	3	21	2	4	30	1
April 15, 2015	8	8	8	8	8	8	8	63	0	63.0	18	0	16	24	12	3	3	17	2	7	28	1
April 16, 2015	8	8	8	8	8	8	8	0	0	0.0	0	0	16	24	12	3	3	1	0	7	10	1
April 17, 2015	0	0	0	0	0	0	0	0	0	0.0	0	0	0	12	12	0	0	0	0	3	2	0
April 18, 2015	8	8	8	8	8	8	8	72	0	34.8	18	0	16	24	12	3	3	14	2	7	25	1
April 19, 2015	11	8	8	11	8	8	8	40	0	48.0	16	0	16	24	12	3	3	12	2	7	23	1
April 20, 2015	8	8	8	8	8	8	8	72	0	35.0	16	0	16	24	12	3	3	14	2	7	25	1
April 21, 2015	8	8	8	8	8	8	8	64	0	43.8	16	0	16	24	12	3	3	14	2	7	25	1
April 22, 2015	8	8	10	10	8	8	11	80	8	78.0	40	0	16	24	12	3	3	22	5	7	36	1
April 23, 2015	8	8	8	8	8	8	10	70	0	80.3	30	0	16	24	12	3	3	20	4	7	32	1
April 24, 2015	0	0	0	0	0	0	0	0	0	0.0	0	0	0	12	12	0	0	0	0	3	2	0
April 25, 2015	8	8	12	12	8	8	12	96	8	114.51	48	0	16	24	12	4	4	29	6	7	44	1
April 26, 2015	9	9	12	12	9	9	9	96	16	81.99	48	0	16	24	12	4	4	25	6	7	41	1
April 27, 2015	9	9	9	9	9	9	9	63	24	99.0	36	0	16	24	12	3	3	24	5	7	38	1
April 28, 2015	9	9	9	9	0	9	9	90	0	81.0	18	0	16	24	12	3	2	23	2	7	34	0
April 29, 2015	9	9	9	9	8	9	9	81	0	63.0	27	0	16	24	12	3	3	19	3	7	32	1
April 30, 2015	9	9	9	9	0	9	9	81	0	63.0	18	0	16	24	12	3	2	19	2	7	31	0
<b>Total of Month</b>	<b>216</b>	<b>213</b>	<b>222</b>	<b>225</b>	<b>194</b>	<b>213</b>	<b>153</b>	<b>1687</b>	<b>80</b>	<b>1437.4</b>	<b>535</b>	<b>0</b>	<b>320</b>	<b>696</b>	<b>192</b>	<b>81</b>	<b>79</b>	<b>420</b>	<b>67</b>	<b>151</b>	<b>686.7</b>	<b>24</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  
 Temporarily Job Days Summary 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 (I)	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	3	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	34	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	27	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	28	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	27	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	26	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	31	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	2	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	32	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	32	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	25	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	31	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	29	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	33	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	2	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	33	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	26	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	25	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	26	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	27	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	25	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	2	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	24	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	35	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	32	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	32	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	33	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	31	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	2	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	29	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	28	1
<b>Total of Month</b>	<b>235</b>	<b>234</b>	<b>234</b>	<b>235</b>	<b>175</b>	<b>225</b>	<b>226</b>	<b>958</b>	<b>66</b>	<b>252</b>	<b>2157</b>	<b>515</b>	<b>0</b>	<b>424</b>	<b>684</b>	<b>372</b>	<b>88</b>	<b>79</b>	<b>457</b>	<b>64</b>	<b>185</b>	<b>767</b>	<b>22</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(LCP)



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  
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	Carpenter	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	30	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	32	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	29	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	29	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	29	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	28	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	27	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	28	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	32	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	33	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	30	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	30	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	29	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	29	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	28	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	22	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	23	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	22	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	19	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	26	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	27	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	25	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	18	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	26	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	23	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	27	1
<b>Total of Month</b>	<b>205</b>	<b>212</b>	<b>212</b>	<b>142</b>	<b>178</b>	<b>203</b>	<b>212</b>	<b>1065</b>	<b>0</b>	<b>27</b>	<b>2037.00</b>	<b>366</b>	<b>0</b>	<b>394</b>	<b>672</b>	<b>360</b>	<b>79</b>	<b>65</b>	<b>418</b>	<b>46</b>	<b>178</b>	<b>714</b>	<b>22</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.



# Annex I:

## Risk Register

None encountered to da



# Annex J:

## Monthly Updated Schedule

















# Annex K:

## One Month Look ahead Schedule







# Annex L:

## Completed and in progress activities





Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2014		2015													
						Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
CS-SH-W-07	Prep. & Sub. Shop drawing for Road Segment B from station 0+000 to station 0+500	8d	31-Dec-14 A	11-Feb-15 A																	
CS-SH-W-08	Review & Approval of Shop drawing for Road Segment B from station 0+000 to station 0+500	21d	11-Feb-15 A	12-Feb-15 A																	
CS-SH-W-09	Prep. & Sub. Shop drawing for Road Segment B from station 0+500 to station 0+983	4d	16-Feb-15 A	22-Feb-15 A																	
CS-SH-W-10	Review & Approval of Shop drawing for Road Segment B from station 0+500 to station 0+983	21d	22-Feb-15 A	02-Mar-15 A																	
<b>Concrete Wall</b>																					
CS-SH-W-065	Prep. & Sub. Shop drawing for Retaining Wall from station B0+034 to Station B0+100	5d	17-Jan-15 A	12-Feb-15 A																	
CS-SH-W-070	Review & Approval of Shop drawing for Retaining Wall from station B0+034 to Station B0+100	21d	12-Feb-15 A	02-Mar-15 A																	
CS-SH-W-075	Prep. & Sub. Shop drawing for Retaining Wall from station B0+100 to Station B0+150	5d	22-Jan-15 A	17-Feb-15 A																	
CS-SH-W-080	Review & Approval of Shop drawing for Retaining Wall from station B0+100 to Station B0+150	21d	17-Feb-15 A	11-Mar-15 A																	
CS-SH-W-085	Prep. & Sub. Shop drawing for Retaining Wall from station B0+150 to Station B0+200	5d	28-Jan-15 A	17-Feb-15 A																	
CS-SH-W-090	Review & Approval of Shop drawing for Retaining Wall from station B0+150 to Station B0+200	21d	17-Feb-15 A	11-Mar-15 A																	
CS-SH-W-095	Prep. & Sub. Shop drawing for Retaining Wall from station B0+200 to Station B0+250	5d	03-Feb-15 A	04-Mar-15 A																	
CS-SH-W-100	Review & Approval of Shop drawing for Retaining Wall from station B0+200 to Station B0+250	21d	04-Mar-15 A	11-Mar-15 A																	
CS-SH-W-105	Prep. & Sub. Shop drawing for Retaining Wall from station B0+250 to Station B0+300	5d	11-Feb-15 A	04-Mar-15 A																	
CS-SH-W-110	Review & Approval of Shop drawing for Retaining Wall from station B0+250 to Station B0+300	21d	04-Mar-15 A	11-Mar-15 A																	
CS-SH-W-115	Prep. & Sub. Shop drawing for Retaining Wall from station B0+300 to Station B0+350	5d	17-Feb-15 A	04-Mar-15 A																	
CS-SH-W-120	Review & Approval of Shop drawing for Retaining Wall from station B0+300 to Station B0+350	21d	04-Mar-15 A	08-Mar-15 A																	
CS-SH-W-135	Prep. & Sub. Shop drawing for Retaining Wall from station A0+210 to Station A0+260	5d	06-Apr-15 A	14-Apr-15 A																	
CS-SH-W-140	Review & Approval of Shop drawing for Retaining Wall from station A0+210 to Station A0+260	21d	14-Apr-15 A	12-May-15 A																	
<b>Culvert</b>																					
CS-SH-W-145	Prep. & Sub. Shop drawing for Box Culvert at station B0+020	10d	05-Mar-15 A	18-May-15 A																	
CS-SH-W-150	Review & Approval of Shop drawing for Box Culvert at station B0+020	21d	21-May-15 A	07-Jun-15 A																	
CS-SH-W-155	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+415	5d	23-Apr-15 A	26-May-15 A																	
CS-SH-W-160	Review & Approval of Shop drawing for Pipe Culvert at Station B0+415	21d	26-May-15 A	01-Jun-15 A																	
CS-SH-W-165	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+970	5d	23-Apr-15 A	26-May-15 A																	
CS-SH-W-170	Review & Approval of Shop drawing for for Pipe Culvert at Station B0+970	21d	26-May-15 A	01-Jun-15 A																	
<b>Sewer Line</b>																					
CS-SH-W-125	Prep. & Sub. Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	10d	09-Mar-15 A	19-May-15 A																	
CS-SH-W-130	Review & Approval of Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	21d	19-May-15 A	24-Jun-15 A																	
<b>Material Submittals</b>																					
<b>Mechanical Material Submittals</b>																					
MMS-SUB-1000	Prep. & Sub. Dismantling joints	5d	15-Dec-14 A	18-Dec-14 A																	
MMS-SUB-1010	Review & Approval of Dismantling joints	21d	18-Dec-14 A	28-Dec-14 A																	
MMS-SUB-1020	Prep. & Sub. Flanges	5d	30-Dec-14 A	18-Jan-15 A																	
MMS-SUB-1030	Review & Approval of Flanges	21d	18-Jan-15 A	01-Feb-15 A																	
MMS-SUB-1040	Prep. & Sub. Pressure Gauge, ball valve, and snubber	5d	12-Jan-15 A	25-Jan-15 A																	
MMS-SUB-1050	Review & Approval of Pressure Gauge, ball valve, and snubber	21d	18-Jan-15 A	20-Jan-15 A																	
MMS-SUB-1060	Prep. & Sub. Heat Shrinkable for Steel Pipes	5d	17-Dec-14 A	15-Feb-15 A																	
MMS-SUB-1070	Review & Approval of Heat Shrinkable for Steel Pipes	21d	15-Feb-15 A	04-Mar-15 A																	
MMS-SUB-1080	Prep. & Sub. Sewer Pipe	18d	29-Jan-15 A	09-Mar-15 A																	
MMS-SUB-1090	Review & Approval of Sewer Pipe	21d	09-Mar-15 A	18-Mar-15 A																	
MMS-SUB-1100	Prep. & Sub. Combination Air Valve	5d	17-Dec-14 A	25-Jan-15 A																	
MMS-SUB-1110	Review & Approval of Combination Air Valve	21d	25-Jan-15 A	28-Jan-15 A																	
MMS-SUB-1120	Prep. & Sub. Flow Control Valve	5d	17-Dec-14 A	24-Mar-15 A																	
MMS-SUB-1130	Review & Approval of Flow Control Valve	21d	24-Mar-15 A	08-Apr-15 A																	
MMS-SUB-1140	Prep. & Sub. Pressure Relief Valve	5d	18-Dec-14 A	01-Feb-15 A																	
MMS-SUB-1150	Review & Approval of Pressure Relief Valve	21d	01-Feb-15 A	04-Feb-15 A																	
MMS-SUB-1160	Prep. & Sub. Strainer	5d	23-Dec-14 A	30-Dec-14 A																	
MMS-SUB-1170	Review & Approval of Strainer	21d	30-Dec-14 A	30-Dec-14 A																	
MMS-SUB-1180	Prep. & Sub. 100mm, 50mm Pipes	5d	27-Dec-14 A	15-Jan-15 A																	
MMS-SUB-1190	Review & Approval of 100mm, 50mm Pipes	21d	15-Jan-15 A	19-Jan-15 A																	
MMS-SUB-1200	Prep. & Sub. Gate Valve	5d	17-Dec-14 A	26-Jan-15 A																	
MMS-SUB-1210	Review & Approval of Gate Valve	21d	26-Jan-15 A	28-Jan-15 A																	
MMS-SUB-1220	Prep. & Sub. Pressure Reducing Valve	5d	17-Dec-14 A	01-Feb-15 A																	
MMS-SUB-1230	Review & Approval of Pressure Reducing Valve	21d	01-Feb-15 A	05-Mar-15 A																	
<b>Civil Material Submittals</b>																					

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2014		2015													
						Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
CMS-SUB-1000	Prep. & Sub. Bedding Material	5d	17-Dec-14 A	27-Jan-15 A																	
CMS-SUB-1010	Review & Approval of Bedding Material	21d	27-Jan-15 A	29-Jan-15 A																	
CMS-SUB-1020	Prep. & Sub. Single Size Backfilling Material	5d	18-Dec-14 A	27-Jan-15 A																	
CMS-SUB-1030	Review & Approval of Single Size Backfilling Material	21d	24-Dec-14 A	29-Jan-15 A																	
CMS-SUB-1040	Prep. & Sub. Base Course	5d	21-Dec-14 A	02-Feb-15 A																	
CMS-SUB-1050	Review & Approval of Base Course	21d	02-Feb-15 A	03-Feb-15 A																	
CMS-SUB-1060	Prep. & Sub. Curbstone	3d	17-Feb-15 A	24-Feb-15 A																	
CMS-SUB-1070	Review & Approval of Curbstone	21d	24-Feb-15 A	24-Feb-15 A																	
CMS-SUB-1080	Prep. & Sub. Guard rail	3d	09-Mar-15 A	09-Mar-15 A																	
CMS-SUB-1090	Review & Approval of Guard rail	21d	09-Mar-15 A	06-Apr-15 A																	
CMS-SUB-1100	Prep. & Sub. Traffic Signs	3d	06-Apr-15 A	13-Apr-15 A																	
CMS-SUB-1110	Review & Approval of Traffic Signs	21d	13-Apr-15 A	16-Apr-15 A																	
CMS-SUB-1120	Prep. & Sub. Road Marking Paint	3d	10-Mar-15 A	12-Mar-15 A																	
CMS-SUB-1130	Review & Approval of Road Marking Paint	21d	12-Mar-15 A	17-Mar-15 A																	
CMS-SUB-1140	Prep. & Sub. Concrete Mix Design	28d	13-Jan-15 A	02-Mar-15 A																	
CMS-SUB-1150	Review & Approval of Concrete Mix Design	21d	02-Mar-15 A	17-Mar-15 A																	
CMS-SUB-1160	Prep. & Sub. Steel Reinforcement	4d	15-Dec-14 A	18-Dec-14 A																	
CMS-SUB-1170	Review & Approval of Steel Reinforcement	21d	18-Dec-14 A	12-Jan-15 A																	
CMS-SUB-1180	Prep. & Sub. Bituminous Cold Material	2d	05-Jan-15 A	25-Jan-15 A																	
CMS-SUB-1190	Review & Approval of Bituminous Cold Material	21d	25-Jan-15 A	01-Feb-15 A																	
CMS-SUB-1200	Prep. & Sub. Manhole covers and frames	4d	17-Dec-14 A	30-Dec-14 A																	
CMS-SUB-1210	Review & Approval of Manhole covers and frames	21d	30-Dec-14 A	04-Jan-15 A																	
CMS-SUB-1220	Prep. & Sub. Pipe's supports	4d	19-Apr-15 A	26-Apr-15 A																	
CMS-SUB-1230	Review & Approval of Pipe's supports	21d	26-Apr-15 A	11-May-15 A																	
CMS-SUB-1240	Prep. & Sub. Manhole Rungs	2d	22-Dec-14 A	18-Feb-15 A																	
CMS-SUB-1250	Review & Approval of Manhole Rungs	21d	18-Feb-15 A	04-Mar-15 A																	
CMS-SUB-1260	Prep. & Sub. Asphalt Mix Design	7d	13-Jan-15 A	18-Feb-15 A																	
CMS-SUB-1270	Review & Approval of Asphalt Mix Design	21d	18-Feb-15 A	16-Mar-15 A																	
CMS-SUB-1280	Prep. & Sub. Prime Coat and Tack Coat	3d	02-Mar-15 A	04-Mar-15 A																	
CMS-SUB-1290	Review & Approval of Prime Coat and Tack Coat	21d	04-Mar-15 A	25-Mar-15 A																	
<b>Electrical Material Submittals</b>																					
EMS-SUB-1000	Prep. & Sub. Pressure differential switches	5d	17-Dec-14 A	18-Jan-15 A																	
EMS-SUB-1010	Review & Approval of Pressure differential switches	21d	18-Jan-15 A	28-Jan-15 A																	
EMS-SUB-1020	Prep. & Sub. Pressure Transmitters	5d	30-Dec-14 A	18-Jan-15 A																	
EMS-SUB-1030	Review & Approval of Pressure Transmitters	21d	18-Jan-15 A	17-Feb-15 A																	
EMS-SUB-1040	Prep. & Sub. Magnetic flow-meters	5d	17-Dec-14 A	18-Dec-14 A																	
EMS-SUB-1050	Review & Approval of Magnetic flow-meters	21d	18-Dec-14 A	26-Jan-15 A																	
<b>Method Statement</b>																					
MS-SUB-1000	Prep. & Sub. Pipeline installation method statement	3d	08-Feb-15 A	10-Feb-15 A																	
MS-SUB-1010	Review & Approval of Pipeline installation method statement	21d	12-Feb-15 A	17-Feb-15 A																	
MS-SUB-1020	Prep. & Sub. Sewer Pipe installation method statement	11d	02-May-15 A	29-Jun-15 A																	
<b>Miscellaneous</b>																					
MIS-SUB-1000	Prep. & Sub. Welding Procedure	4d	05-Jan-15 A	26-Jan-15 A																	
MIS-SUB-1010	Review & Approval of Welding Procedure	21d	26-Jan-15 A	09-Mar-15 A																	
MIS-SUB-1020	Prep. & Sub. Identification Tape	5d	05-Jan-15 A	26-Jan-15 A																	
MIS-SUB-1030	Review & Approval of Identification Tape	21d	26-Jan-15 A	17-Feb-15 A																	
MIS-SUB-1040	Prep. & Sub. Welding testing Labs	4d	09-Mar-15 A	10-Mar-15 A																	
MIS-SUB-1050	Review & Approval of Welding testing Labs	21d	10-Mar-15 A	12-Mar-15 A																	
MIS-SUB-1060	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	4d	01-Mar-15 A	09-Mar-15 A																	
MIS-SUB-1070	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21d	09-Mar-15 A	18-Mar-15 A																	
<b>Procurement</b>																					
PRO-1000	Order and delivery of 100 mm, 50mm Pipes	30d	02-Feb-15 A	26-Feb-15 A																	
PRO-1010	Order and Delivery of Mechanical and Electrical Fittings	50d	25-Jan-15 A	16-Jul-15	25d																
PRO-1020	Order and Delivery of Sewer Pipes	40d	16-Apr-15 A	04-Jul-15	18d																
<b>Execution</b>																					
<b>Road Segment A</b>																					

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





# Annex M:

## Progress S-Curve versus Actual



USAID WEST BANK - GAZA - Local Construction Program (LCP)

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

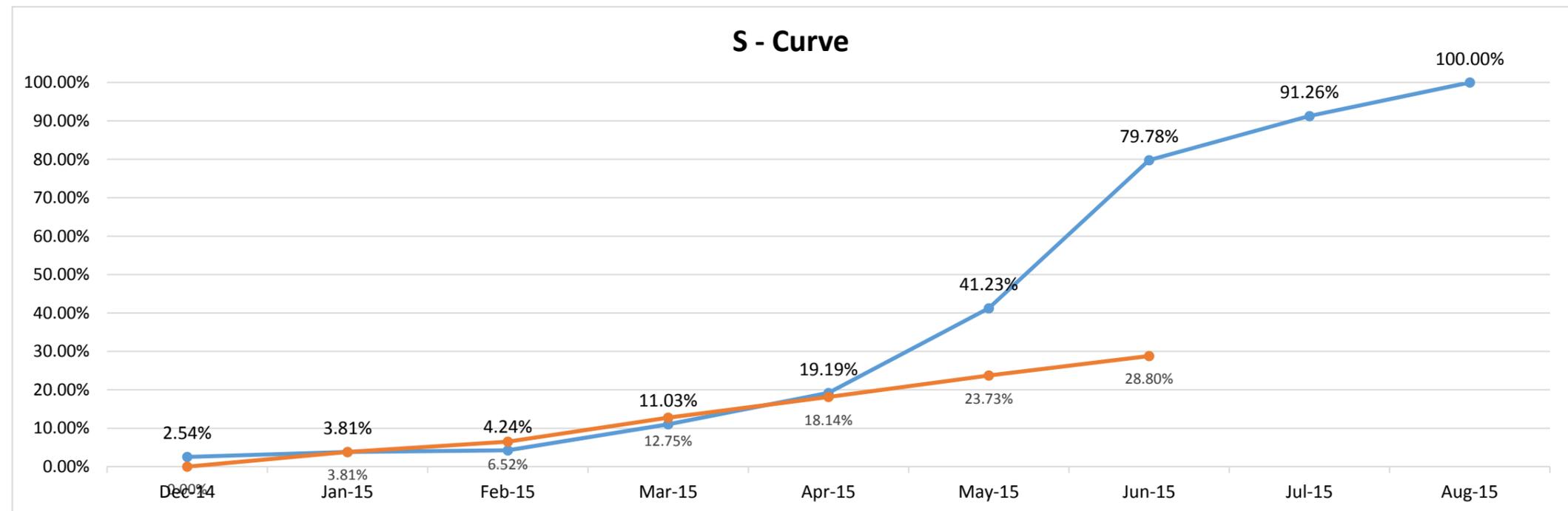
TASK ORDER NO. AID-294-TO-15-000001



Hebron WWTP Access Road

**Progress S-Curve**

Date		Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15
Planned Value		\$ 62,189.33	\$ 31,094.67	\$ 10,644.75	\$ 166,260.04	\$ 199,802.41	\$ 539,710.68	\$ 943,843.46	\$ 281,252.59	\$ 213,907.07
Planned Value (Accumulative)		\$ 62,189.33	\$ 93,284.00	\$ 103,928.75	\$ 270,188.79	\$ 469,991.20	\$ 1,009,701.88	\$ 1,953,545.34	\$ 2,234,797.93	\$ 2,448,705.00
Planned %		2.54%	1.27%	0.43%	6.79%	8.16%	22.04%	38.54%	11.49%	8.74%
Planned % (Accumulative)		2.54%	3.81%	4.24%	11.03%	19.19%	41.23%	79.78%	91.26%	100.00%
Actual Value		\$ -	\$ 93,284.00	\$ 66,260.04	\$ 152,665.85	\$ 132,078.86	\$ 136,805.68	\$ 124,027.49		
Actual Value (Accumulative)		\$ -	\$ 93,284.00	\$ 159,544.04	\$ 312,209.89	\$ 444,288.75	\$581,094.43	\$ 705,121.92		
Actual %		0.00%	3.81%	2.71%	6.23%	5.39%	5.59%	5.07%	0.00%	0.00%
Actual % (Accumulative)		0.00%	3.81%	6.52%	12.75%	18.14%	23.73%	28.80%		





# **Annex N:**

## **Revised CPM Schedule and Narrative Report (Under Review)**



UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT  
WEST BANK / GAZA

LOCAL CONSTRUCTION PROGRAM  
(LCP)

CMC: BLACK & VEATCH

**Revised Original CPM Schedule Submittal**  
**As per VO 01**

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.</p> <p>New activities were added to the original CPM schedule to reflect the above impact.</p> <p>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>

1.5. Overview Map

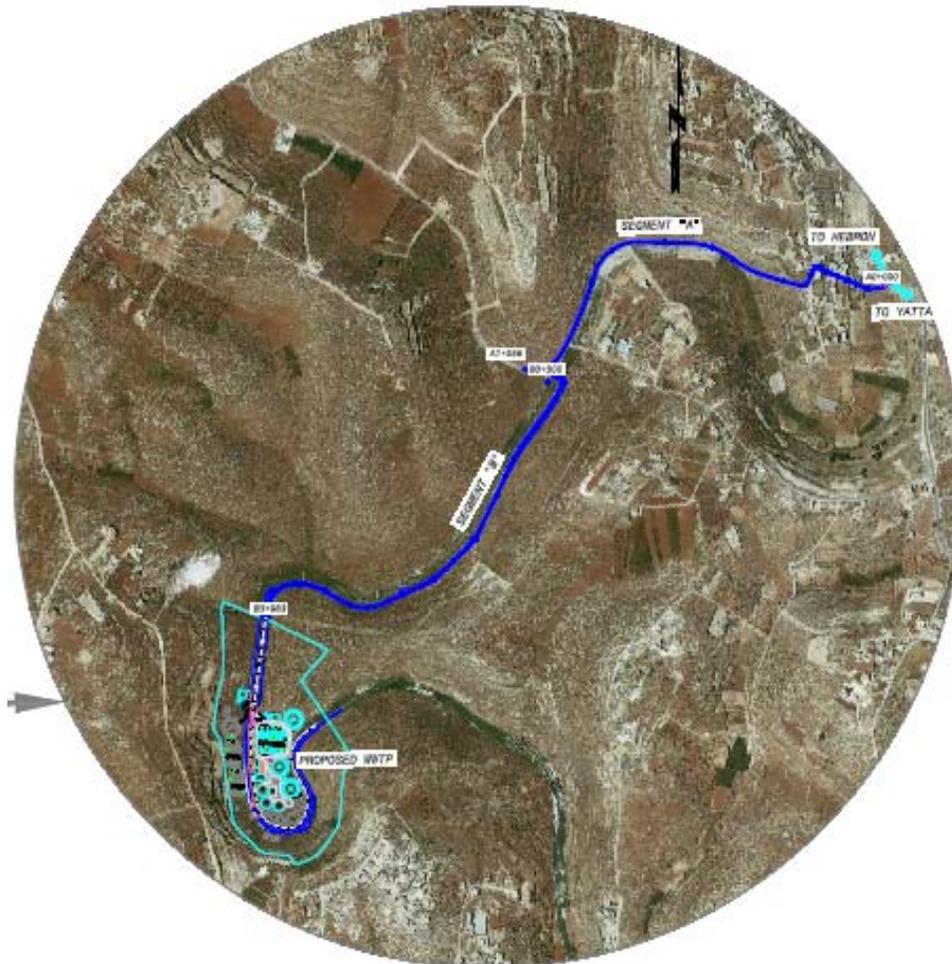


Figure 1: Hebron WWTP Access Road

## 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	\$2,326,607.60
Modified Day work Amount	\$272,097.40
Notice To Proceed	December 15, 2014
Period Of Performance	240 calendar day
Contractual Completion Date	August 11, 2015
Approved Time Extensions	33 Calendar days
Modified Completion Date	September 13, 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:** September 13, 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-Revised	Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road
TO-15-01-HAR-Revised.1	Milestones
TO-15-01-HAR-Revised.1.1	General Milestones
TO-15-01-HAR-Revised.1.2	Intermediate Milestones
TO-15-01-HAR-Revised.2	PreConstruction Phase
TO-15-01-HAR-Revised.2.MOB	Mobilization
TO-15-01-HAR-Revised.2.2	PreConstruction Submittals
TO-15-01-HAR-Revised.2.1	Traffic Control Plan, Coordination and Permits
TO-15-01-HAR-Revised.3	Construction Phase
TO-15-01-HAR-Revised.3.1	Construction Submittals
TO-15-01-HAR-Revised.3.1.1	Shopdrawing submittals
TO-15-01-HAR-Revised.3.1.1.1	Water Pipeline Shopdrawing
TO-15-01-HAR-Revised.3.1.1.1.1	100mm and 50mm Pipes
TO-15-01-HAR-Revised.3.1.1.1.2	Chambers Shopdrawing
TO-15-01-HAR-Revised.3.1.1.1.2.1	Gate Valve Chambers
TO-15-01-HAR-Revised.3.1.1.1.2.4	Connection and Monitoring Chamber
TO-15-01-HAR-Revised.3.1.1.1.2.2	AVAR Chambers
TO-15-01-HAR-Revised.3.1.1.1.2.3	WO Washout Chambers
TO-15-01-HAR-Revised.3.1.1.5	Road Shopdrawing (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.5.1	Segment A (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.5.2	Segment B (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.3	Concrete Wall
TO-15-01-HAR-Revised.3.1.1.4	Culvert
TO-15-01-HAR-Revised.3.1.1.2	Sewer Line
TO-15-01-HAR-Revised.3.1.2	Material Submittals
TO-15-01-HAR-Revised.3.1.2.1	Mechanical Material Submittals
TO-15-01-HAR-Revised.3.1.2.2	Civil Material Submittals
TO-15-01-HAR-Revised.3.1.2.3	Electrical Material Submittals
TO-15-01-HAR-Revised.3.1.3	Method Statement
TO-15-01-HAR-Revised.3.1.4	Miscellaneous
TO-15-01-HAR-Revised.3.5	Procurement
TO-15-01-HAR-Revised.3.2	Execution
TO-15-01-HAR-Revised.3.2.1	Road Segment A
TO-15-01-HAR-Revised.3.2.1.4	Road Segment A - Left Hand Side
TO-15-01-HAR-Revised.3.2.1.1	Road Segment A - Right Hand Side
TO-15-01-HAR-Revised.3.2.1.3	Asphalting – Milling & Overlay
TO-15-01-HAR-Revised.3.2.1.2	New Items VO 01
TO-15-01-HAR-Revised.3.2.2	Road Segment B
TO-15-01-HAR-Revised.3.2.2.1	Road Seg. B from Station 0+000 to Station 0+230
TO-15-01-HAR-Revised.3.2.2.1.2	Installation of 50mm Pipe and chambers
TO-15-01-HAR-Revised.3.2.2.1.1	Concrete Work
TO-15-01-HAR-Revised.3.2.2.1.3	Box Culvert at Station 0+020
TO-15-01-HAR-Revised.3.2.2.4	Road Seg. B from Station 0+230 to Station 0+983
TO-15-01-HAR-Revised.3.2.2.4.2	Installation of 50mm Pipe
TO-15-01-HAR-Revised.3.2.2.4.3	Pipe Culvert
TO-15-01-HAR-Revised.3.2.2.3	Sewer Trunk Line
TO-15-01-HAR-Revised.3.2.2.3.1	Installation of Sewer trunk line from Station 0+000 to Station 0+140
TO-15-01-HAR-Revised.3.2.2.3.2	Installation of Sewer trunk line from Station 0+140 to Station 0+280
TO-15-01-HAR-Revised.3.2.2.3.3	Installation of Sewer trunk line from Station 0+280 to Station 0+420
TO-15-01-HAR-Revised.3.2.2.3.4	Installation of Sewer trunk line from Station 0+420 to Station 0+983
TO-15-01-HAR-Revised.3.2.2.2	Asphalting
TO-15-01-HAR-Revised.3.2.5	Mechanical and Electrical Installation and Testing for Seg. A and B
TO-15-01-HAR-Revised.4	Post Construction Phase
TO-15-01-HAR-Revised.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.

### **Group 5:** Instrumentations and SCADA

- ✓ 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 m2 per day
  - Base course crew: 1000 – 1200 m2 per day
  - Asphalt Crew: 2000 – 2200 m2 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+350:**

- a. Cut/Fill.
- b. Construct of retaining walls.
- c. Construct of Pipe culvert.
- d. Install of 2" pipelines.
- e. Subgrade level.
- f. Base course works.
- g. Asphalt works.

##### **B. STA: 0+350 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.

### **13. Revised Critical Path activities**

Critical Activities.....6

Activity: A-2 Project Completion

Activity: E-A-105 Mechanical valves Installation

Activity: E-A-115 Water and Sewer Pipe line Testing

Activity: E-A-165 Site inspection / Start up and Training

Activity: IA-30 Issuance of VO 01

Activity: PRO-1030 Order and Delivery of Mechanical Valves VO 01

## Scheduling assumptions

### **13.1. 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>	September 13, 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

### **13.2. 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

### 13.3. 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 12, 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

**13.4. 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

**13.5. 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.

### 13.6. 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

### 13.7. Scheduling Statistics:

# Projects.....1  
 # Activities.....289  
 # Not Started.....72  
 # In Progress.....27  
 # Completed.....190  
 # Relationships.....614  
 # 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

**Graphical Report for:**  
**Revised Critical Path Activities**



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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2015												2016	
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<b>Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road</b>							13-Sep-15, Revised R01 - TO-15													
<b>Milestones</b>							13-Sep-15, Milestones													
<b>General Milestones</b>							13-Sep-15, General Milestones													
A-1	Notice to Proceed (NTP)	0d	15-Dec-14			\$0.00	◆ Notice to Proceed (NTP)													
A-2	Project Completion	0d		13-Sep-15*	0d	\$0.00	◆ Project Completion													
<b>Intermediate Milestones</b>							13-Sep-15, Intermediate Milestones													
IA-01	Start of Mobilization	0d	15-Dec-14			\$0.00	→ Start of Mobilization													
IA-02	Finish of Mobilization	0d		27-Jan-15 A		\$0.00	→ Finish of Mobilization													
IA-03	Start of Pre-Construction Submittals	0d	15-Dec-14			\$0.00	→ Start of Pre-Construction Submittals													
IA-04	Finish of Pre-Construction Submittals	0d		15-Mar-15 A		\$0.00	→ Finish of Pre-Construction Submittals													
IA-05	Start of Construction Submittals	0d	15-Dec-14			\$0.00	→ Start of Construction Submittals													
IA-06	Finish of Construction Submittals	0d		02-Aug-15	43d	\$0.00	→ Finish of Construction Submittals													
IA-07	Start of Construction at Segment A	0d	09-Mar-15 A			\$0.00	→ Start of Construction at Segment A													
IA-08	Finish of Construction at Segment A	0d		07-Sep-15	5d	\$0.00	→ Finish of Construction at Segment A													
IA-09	Start of Construction at Segment B	0d	12-Feb-15 A			\$0.00	→ Start of Construction at Segment B													
IA-10	Finish of Construction at Segment B	0d		05-Sep-15	7d	\$0.00	→ Finish of Construction at Segment B													
IA-20	Project Duration	178d	15-Dec-14	13-Sep-15	0d	\$0.00	→ Project Duration													
IA-30	Issuance of VO 01	0d	15-Jun-15*		0d	\$0.00	→ Issuance of VO 01													
<b>PreConstruction Phase</b>							15-Mar-15 A, PreConstruction Phase													
<b>Construction Phase</b>							13-Sep-15, Construction Phase													
<b>Construction Submittals</b>							02-Aug-15, Construction Submittals													
<b>Shopdrawing submittals</b>							02-Aug-15, Shopdrawing submittals													
<b>Water Pipeline Shopdrawing</b>							02-Aug-15, Water Pipeline Shopdrawing													
<b>100mm and 50mm Pipes</b>							30-Mar-15 A, 100mm and 50mm Pipes													
CS-SH-W-01	Prep. & Sub. Shop drawing for 100 mm pipeline at Segment A	15d	17-Jan-15 A	18-Feb-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 100 mm pipeline at Segment A													
CS-SH-W-02	Review & Approval of Shop drawing for 100 mm pipeline at Segment A	21d	18-Feb-15 A	05-Mar-15 A		\$0.00	→ Review & Approval of Shop drawing for 100 mm pipeline at Segment A													
CS-SH-W-03	Prep. & Sub. Shop drawing for 50 mm pipeline at Segment B	10d	05-Mar-15 A	16-Mar-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 50 mm pipeline at Segment B													
CS-SH-W-04	Review & Approval of Shop drawing for 50 mm pipeline at Segment B	21d	16-Mar-15 A	30-Mar-15 A		\$0.00	→ Review & Approval of Shop drawing for 50 mm pipeline at Segment B													
<b>Chambers Shopdrawing</b>							02-Aug-15, Chambers Shopdrawing													
<b>Gate Valve Chambers</b>							05-Mar-15 A, Gate Valve Chambers													
CS-SH-W-05	Prep. & Sub. Shop drawing for 100mm Isolation Gate Valve Chamber	5d	03-Feb-15 A	15-Feb-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 100mm Isolation Gate Valve Chamber													
CS-SH-W-06	Review & Approval of Shop drawing for 100mm Isolation Gate Valve Chamber	21d	15-Feb-15 A	05-Mar-15 A		\$0.00	→ Review & Approval of Shop drawing for 100mm Isolation Gate Valve Chamber													
<b>Connection and Monitoring Chamber</b>							02-Aug-15, Connection and Monitoring Chamber													
CS-SH-W-07	Prep. & Sub. Shop drawing for 100mm Qelqes Service Connection Chamber	5d	11-Feb-15 A	16-Mar-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 100mm Qelqes Service Connection Chamber													
CS-SH-W-08	Review & Approval of Shop drawing for 100mm Qelqes Service Connection Chamber	21d	16-Mar-15 A	24-Mar-15 A		\$0.00	→ Review & Approval of Shop drawing for 100mm Qelqes Service Connection Chamber													
CS-SH-W-09	Prep. & Sub. Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	5d	17-Feb-15 A	17-Feb-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)													
CS-SH-W-10	Review & Approval of Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	21d	17-Feb-15 A	05-Mar-15 A		\$0.00	→ Review & Approval of Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)													
CS-SH-W-11	Prep. & Sub. Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	5d	17-Feb-15 A	23-Mar-15 A		\$0.00	→ Prep. & Sub. Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005													
CS-SH-W-12	Review & Approval of Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	21d	23-Mar-15 A	08-Apr-15 A		\$0.00	→ Review & Approval of Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005													
CS-SH-W-13	Prep. & Sub. Shop drawing for Replacement of existing Chamber at Segment A	5d	18-May-15	17-Jun-15	6d	\$0.00	→ Prep. & Sub. Shop drawing for Replacement of existing Chamber at Segment A													
CS-SH-W-14	Review & Approval of Shop drawing for Replacement of existing Chamber at Segment A	21d	17-Jun-15	02-Aug-15	5d	\$0.00	→ Review & Approval of Shop drawing for Replacement of existing Chamber at Segment A													
<b>AVAR Chambers</b>							04-Mar-15 A, AVAR Chambers													
<b>WO Washout Chambers</b>							04-Mar-15 A, WO Washout Chambers													
<b>Road Shopdrawing (Plan, Profile and Cross section)</b>							16-Apr-15 A, Road Shopdrawing													
<b>Segment A (Plan, Profile and Cross section)</b>							16-Apr-15 A, Segment A (Plan, Profile and Cross section)													
CS-SH-W-15	Prep. & Sub. Shop drawing for Road Segment A from station 0+000 to station 1+065	4d	23-Dec-14	08-Mar-15 A		\$0.00	→ Prep. & Sub. Shop drawing for Road Segment A from station 0+000 to station 1+065													
CS-SH-W-16	Review & Approval of Shop drawing for Road Segment A from station 0+000 to station 1+065	21d	08-Mar-15 A	16-Apr-15 A		\$0.00	→ Review & Approval of Shop drawing for Road Segment A from station 0+000 to station 1+065													
<b>Segment B (Plan, Profile and Cross section)</b>							02-Mar-15 A, Segment B (Plan, Profile and Cross section)													
CS-SH-W-17	Prep. & Sub. Shop drawing for Road Segment B from station 0+000 to station 0+500	8d	31-Dec-14	11-Feb-15 A		\$0.00	→ Prep. & Sub. Shop drawing for Road Segment B from station 0+000 to station 0+500													

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











**SR-01 Classic Schedule Report - Sort by ES, TF**

Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
A-1	Notice to Proceed (NTP)	0d	0d	100%	15-Dec-14 A		15-Jun-15		
IA-01	Start of Mobilization	0d	0d	100%	15-Dec-14 A		23-Jun-15		
IA-02	Finish of Mobilization	0d	0d	100%		27-Jan-15 A		23-Jun-15	
IA-03	Start of Pre-Construction Submittals	0d	0d	100%	15-Dec-14 A		23-Jun-15		
IA-04	Finish of Pre-Construction Submittals	0d	0d	100%		15-Mar-15 A		13-Sep-15	
IA-07	Start of Construction at Segment A	0d	0d	100%	09-Mar-15 A		02-Aug-15		
IA-09	Start of Construction at Segment B	0d	0d	100%	12-Feb-15 A		23-Jun-15		
IA-05	Start of Construction Submittals	0d	0d	100%	15-Dec-14 A		23-Jun-15		
MOB1000	Pre-Construction Dilapidation Survey	2d	0d	100%	20-Dec-14 A	12-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1020	Supply and furnish Field Office Furniture and Miscellaneous	2d	0d	100%	11-Jan-15 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1030	Supply and install Field Office Computer Systems and IT Equipments	2d	0d	100%	13-Jan-15 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1010	Provide, furnish and erect Temporary Project Signs	2d	0d	100%	06-Jan-15 A	26-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1040	Arrange for and erect Contractor's work and Storage Yards	9d	0d	100%	17-Dec-14 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1050	Moving onto the Sites of all Plant and equipments	3d	0d	100%	29-Dec-14 A	26-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1060	Post OSHA-required notices and establish safety programs	2d	0d	100%	29-Dec-14 A	26-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1070	Installation of Temporary Facilities as per section 01500	5d	0d	100%	17-Dec-14 A	26-Jan-15 A	23-Jun-15	23-Jun-15	
MOB1080	Survey Work	5d	0d	100%	22-Dec-14 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-010	Preparation & Submit Copy of Bank Guarantee Certificates (for record)	1d	0d	100%	15-Dec-14 A	16-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-020	Review & Approval of Bank Guarantee Certificates (for record)	21d	0d	100%	16-Dec-14 A	28-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-030	Preparation & Submit Scheduling Qualification Submittal	2d	0d	100%	15-Dec-14 A	16-Dec-14 A	02-Aug-15	02-Aug-15	
PC-SUB-040	Review & Approval of Scheduling Qualification Submittal	21d	0d	100%	16-Dec-14 A	28-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-050	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	2d	0d	100%	20-Dec-14 A	05-Jan-15 A	02-Aug-15	02-Aug-15	
PC-SUB-060	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21d	0d	100%	05-Jan-15 A	13-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-070	Preparation & Submit Submittals Schedule	2d	0d	100%	17-Dec-14 A	22-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-080	Review & Approval of Submittals Schedule	21d	0d	100%	22-Dec-14 A	27-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-090	Preparation & Submit Key Staff	2d	0d	100%	27-Dec-14 A	15-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-100	Review & Approval of Key Staff	21d	0d	100%	15-Jan-15 A	19-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-110	Preparation & Submit Project Temporary Signs	1d	0d	100%	27-Dec-14 A	11-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-120	Review & Approval of Project Temporary Signs	6d	0d	100%	11-Jan-15 A	25-Jan-15 A	23-Jun-15	23-Jun-15	

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Activity ID	Activity Name	Original Duration	Remaining Duration	Units % Complete	Start	Finish	Late Start	Late Finish	Total Float
PC-SUB-130	Preparation & Submit Engineer's Field Office Location and Layout	3d	0d	100%	17-Dec-14 A	05-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-140	Review & Approval of Engineer's Field Office Location and Layout	11d	0d	100%	05-Jan-15 A	06-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-150	Preparation & Submit Field Office Furniture and Equipment Plan	3d	0d	100%	15-Dec-14 A	16-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-160	Review & Approval of Field Office Furniture and Equipment Plan	12d	0d	100%	16-Dec-14 A	21-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-170	Preparation & Submit Field Office Computer Systems and Miscellaneous	2d	0d	100%	15-Dec-14 A	16-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-180	Review & Approval of Field Office Computer Systems and Miscellaneous	15d	0d	100%	16-Dec-14 A	21-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-190	Preparation & Submit Quality Control Plan	10d	0d	100%	17-Dec-14 A	14-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-200	Review & Approval of Quality Control Plan	21d	0d	100%	14-Jan-15 A	17-Feb-15 A	23-Jun-15	23-Jun-15	
PC-SUB-210	Preparation & Submit Safety Plan	5d	0d	100%	17-Dec-14 A	14-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-220	Review & Approval of Safety Plan	21d	0d	100%	14-Jan-15 A	01-Feb-15 A	23-Jun-15	23-Jun-15	
PC-SUB-230	Preparation & Submit Environmental Monitoring and Mitigation Plan	3d	0d	100%	17-Dec-14 A	18-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-240	Review & Approval of Environmental Monitoring and Mitigation Plan	21d	0d	100%	08-Mar-15 A	15-Mar-15 A	13-Sep-15	13-Sep-15	
PC-SUB-250	Preparation & Submit General Construction Method Statement	10d	0d	100%	20-Dec-14 A	20-Jan-15 A	02-Aug-15	02-Aug-15	
PC-SUB-260	Review & Approval of General Construction Method Statement	21d	0d	100%	20-Jan-15 A	17-Feb-15 A	02-Aug-15	02-Aug-15	
PC-SUB-270	Preparation & Submit Original CPM Construction Schedule	28d	0d	100%	20-Dec-14 A	27-Jan-15 A	02-Aug-15	02-Aug-15	
PC-SUB-280	Review & Approval of Original CPM Construction Schedule	21d	0d	100%	27-Jan-15 A	05-Mar-15 A	13-Sep-15	13-Sep-15	
PC-SUB-290	Preparation & Submit Construction Risk Management Program	5d	0d	100%	17-Dec-14 A	30-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-300	Review & Approval of Construction Risk Management Program	21d	0d	100%	30-Dec-14 A	24-Feb-15 A	13-Sep-15	13-Sep-15	
PC-SUB-310	Preparation & Submit Dilapidation Survey	3d	0d	100%	22-Dec-14 A	14-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-320	Review & Approval of Dilapidation Survey	21d	0d	100%	14-Jan-15 A	25-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-330	Preparation & Submit of Testing Lab C.V	2d	0d	100%	17-Dec-14 A	18-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-340	Review & Approval of Testing Lab C.V	21d	0d	100%	18-Dec-14 A	28-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-350	Preparation & Submit Insurances (for record)	2d	0d	100%	15-Dec-14 A	16-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-360	Review & Approval of Insurances (for record)	21d	0d	100%	16-Dec-14 A	28-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-370	Preparation & Submit Lists of Permits and Licenses	2d	0d	100%	17-Dec-14 A	22-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-380	Review & Approval of Lists of Permits and Licenses	21d	0d	100%	22-Dec-14 A	30-Dec-14 A	13-Sep-15	13-Sep-15	
PC-SUB-390	Preparation & Submit Dumping Site	10d	0d	100%	20-Dec-14 A	14-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-400	Review & Approval of Dumping Site	21d	0d	100%	14-Jan-15 A	05-Feb-15 A	13-Sep-15	13-Sep-15	

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PC-SUB-410	Preparation & Submit Storage Yard	5d	0d	100%	05-Jan-15 A	14-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-420	Review & Approval of Storage Yard	21d	0d	100%	14-Jan-15 A	19-Jan-15 A	13-Sep-15	13-Sep-15	
PC-SUB-430	Preparation & Submit Trench Safety Plan	5d	0d	100%	17-Dec-14 A	14-Jan-15 A	02-Aug-15	02-Aug-15	
PC-SUB-440	Review & Approval of Trench Safety Plan	21d	0d	100%	14-Jan-15 A	01-Feb-15 A	02-Aug-15	02-Aug-15	
PC-SUB-1000	Preparation & Submit Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 ( Area B)	7d	0d	100%	17-Dec-14 A	18-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-1010	Review & Approval of Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 ( Area B)	21d	0d	100%	18-Jan-15 A	27-Jan-15 A	02-Aug-15	02-Aug-15	
PC-SUB-1050	Coordination with Local authorities and obtain required permits for start of construction	10d	0d	100%	16-Dec-14 A	30-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-1040	Receive Final for Construction Drawings	1d	0d	100%	17-Dec-14 A	17-Dec-14 A	23-Jun-15	23-Jun-15	
PC-SUB-1020	Preparation & Submit Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 ( Area B)	7d	0d	100%	17-Dec-14 A	18-Jan-15 A	23-Jun-15	23-Jun-15	
PC-SUB-1030	Review & Approval of Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 ( Area B)	21d	0d	100%	18-Jan-15 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
PRO-1000	Order and delivery of 100 mm, 50mm Pipes	30d	0d	100%	02-Feb-15 A	26-Feb-15 A	08-Jul-15	08-Jul-15	
CS-SH-W-03	Prep. & Sub. Shop drawing for 50 mm pipeline at Segment B	10d	0d	100%	05-Mar-15 A	16-Mar-15 A	08-Jul-15	08-Jul-15	
CS-SH-W-04	Review & Approval of Shop drawing for for 50 mm pipeline at Segment B	21d	0d	100%	16-Mar-15 A	30-Mar-15 A	08-Jul-15	08-Jul-15	
CS-SH-W-01	Prep. & Sub. Shop drawing for 100 mm pipeline at Segment A	15d	0d	100%	17-Jan-15 A	18-Feb-15 A	23-Jun-15	23-Jun-15	
CS-SH-W-02	Review & Approval of Shop drawing for for 100 mm pipeline at Segment A	21d	0d	100%	18-Feb-15 A	05-Mar-15 A	23-Jun-15	23-Jun-15	
CS-SH-W-31	Prep. & Sub. Shop drawing for 100mm Isolation Gate Valve Chamber	5d	0d	100%	03-Feb-15 A	15-Feb-15 A	04-Jul-15	04-Jul-15	
CS-SH-W-32	Review & Approval of Shop drawing for 100mm Isolation Gate Valve Chamber	21d	0d	100%	15-Feb-15 A	05-Mar-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-020	Prep. & Sub. Shop drawing for 50mm AVAR chamber on 100mm pipe	5d	0d	100%	03-Feb-15 A	15-Feb-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-025	Review & Approval of Shop drawing for 50mm AVAR chamber on 1100mm pipe	21d	0d	100%	15-Feb-15 A	04-Mar-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-25	Prep. & Sub. Shop drawing for 50mm AVAR chamber	5d	0d	100%	11-Feb-15 A	15-Feb-15 A	19-Aug-15	19-Aug-15	
CS-SH-W-30	Review & Approval of Shop drawing for 50mm AVAR chamber	21d	0d	100%	15-Feb-15 A	04-Mar-15 A	19-Aug-15	19-Aug-15	
CS-SH-W-010	Prep. & Sub. Shop drawing for 50mm WO chamber on 100mm pipe	5d	0d	100%	03-Feb-15 A	15-Feb-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-015	Review & Approval of Shop drawing for 50mm WO chamber on 100mm pipe	21d	0d	100%	15-Feb-15 A	04-Mar-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-33	Prep. & Sub. Shop drawing for 100mm Qelqes Servise Connection Chamber	5d	0d	100%	11-Feb-15 A	16-Mar-15 A	04-Jul-15	04-Jul-15	
CS-SH-W-34	Review & Approval of Shop drawing for 100mm Qelqes Servise Connection Chamber	21d	0d	100%	16-Mar-15 A	24-Mar-15 A	04-Jul-15	04-Jul-15	

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CS-SH-W-35	Prep. & Sub. Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	5d	0d	100%	17-Feb-15 A	17-Feb-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-40	Review & Approval of Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	21d	0d	100%	17-Feb-15 A	05-Mar-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-45	Prep. & Sub. Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	5d	0d	100%	17-Feb-15 A	23-Mar-15 A	08-Jul-15	08-Jul-15	
CS-SH-W-50	Review & Approval of Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	21d	0d	100%	23-Mar-15 A	08-Apr-15 A	08-Jul-15	08-Jul-15	
CS-SH-W-065	Prep. & Sub. Shop drawing for Retaining Wall from station B0+034 to Station B0+100	5d	0d	100%	17-Jan-15 A	12-Feb-15 A	11-Aug-15	11-Aug-15	
CS-SH-W-070	Review & Approval of Shop drawing for Retaining Wall from station B0+034 to Station B0+100	21d	0d	100%	12-Feb-15 A	02-Mar-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-075	Prep. & Sub. Shop drawing for Retaining Wall from station B0+100 to Station B0+150	5d	0d	100%	22-Jan-15 A	17-Feb-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-080	Review & Approval of Shop drawing for Retaining Wall from station B0+100 to Station B0+150	21d	0d	100%	17-Feb-15 A	11-Mar-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-085	Prep. & Sub. Shop drawing for Retaining Wall from station B0+150 to Station B0+200	5d	0d	100%	28-Jan-15 A	17-Feb-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-090	Review & Approval of Shop drawing for Retaining Wall from station B0+150 to Station B0+200	21d	0d	100%	17-Feb-15 A	11-Mar-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-095	Prep. & Sub. Shop drawing for Retaining Wall from station B0+200 to Station B0+250	5d	0d	100%	03-Feb-15 A	04-Mar-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-100	Review & Approval of Shop drawing for Retaining Wall from station B0+200 to Station B0+250	21d	0d	100%	04-Mar-15 A	11-Mar-15 A	13-Aug-15	13-Aug-15	
CS-SH-W-105	Prep. & Sub. Shop drawing for Retaining Wall from station B0+250 to Station B0+300	5d	0d	100%	11-Feb-15 A	04-Mar-15 A	01-Sep-15	01-Sep-15	
CS-SH-W-110	Review & Approval of Shop drawing for Retaining Wall from station B0+250 to Station B0+300	21d	0d	100%	04-Mar-15 A	11-Mar-15 A	01-Sep-15	01-Sep-15	
CS-SH-W-115	Prep. & Sub. Shop drawing for Retaining Wall from station B0+300 to Station B0+350	5d	0d	100%	17-Feb-15 A	04-Mar-15 A	01-Sep-15	01-Sep-15	
CS-SH-W-120	Review & Approval of Shop drawing for Retaining Wall from station B0+300 to Station B0+350	21d	0d	100%	04-Mar-15 A	08-Mar-15 A	01-Sep-15	01-Sep-15	
CS-SH-W-135	Prep. & Sub. Shop drawing for Retaining Wall from station A0+210 to Station A0+260	5d	0d	100%	06-Apr-15 A	14-Apr-15 A	11-Aug-15	11-Aug-15	
CS-SH-W-140	Review & Approval of Shop drawing for Retaining Wall from station A0+210 to Station A0+260	21d	0d	100%	14-Apr-15 A	12-May-15 A	11-Aug-15	11-Aug-15	
CS-SH-W-05	Prep. & Sub. Shop drawing for Road Segment A from station 0+000 to station 1+065	4d	0d	100%	23-Dec-14 A	08-Mar-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-06	Review & Approval of Shop drawing for Road Segment A from station 0+000 to station 1+065	21d	0d	100%	08-Mar-15 A	16-Apr-15 A	02-Aug-15	02-Aug-15	
CS-SH-W-07	Prep. & Sub. Shop drawing for Road Segment B from station 0+000 to station 0+500	8d	0d	100%	31-Dec-14 A	11-Feb-15 A	23-Jun-15	23-Jun-15	

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CS-SH-W-08	Review & Approval of Shop drawing for Road Segment B from station 0+000 to station 0+500	21d	0d	100%	11-Feb-15 A	12-Feb-15 A	23-Jun-15	23-Jun-15	
CS-SH-W-09	Prep. & Sub. Shop drawing for Road Segment B from station 0+500 to station 0+983	4d	0d	100%	16-Feb-15 A	22-Feb-15 A	03-Aug-15	03-Aug-15	
CS-SH-W-10	Review & Approval of Shop drawing for Road Segment B from station 0+500 to station 0+983	21d	0d	100%	22-Feb-15 A	02-Mar-15 A	12-Aug-15	12-Aug-15	
CS-SH-W-125	Prep. & Sub. Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	10d	0d	100%	09-Mar-15 A	19-May-15 A	07-Jul-15	07-Jul-15	
CS-SH-W-145	Prep. & Sub. Shop drawing for Box Culvert at station B0+020	10d	0d	100%	05-Mar-15 A	21-May-15 A	23-Jun-15	23-Jun-15	
CS-SH-W-155	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+415	5d	0d	100%	23-Apr-15 A	26-May-15 A	22-Jul-15	22-Jul-15	
CS-SH-W-165	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+970	5d	0d	100%	23-Apr-15 A	26-May-15 A	03-Aug-15	03-Aug-15	
EMS-SUB-1000	Prep. & Sub. Pressure differential switches	5d	0d	100%	17-Dec-14 A	18-Jan-15 A	02-Aug-15	02-Aug-15	
EMS-SUB-1010	Review & Approval of Pressure differential switches	21d	0d	100%	18-Jan-15 A	28-Jan-15 A	02-Aug-15	02-Aug-15	
EMS-SUB-1020	Prep. & Sub. Pressure Transmitters	5d	0d	100%	30-Dec-14 A	18-Jan-15 A	02-Aug-15	02-Aug-15	
EMS-SUB-1030	Review & Approval of Pressure Transmitters	21d	0d	100%	18-Jan-15 A	17-Feb-15 A	02-Aug-15	02-Aug-15	
EMS-SUB-1040	Prep. & Sub. Magnetic flow-meters	5d	0d	100%	17-Dec-14 A	18-Dec-14 A	02-Aug-15	02-Aug-15	
EMS-SUB-1050	Review & Approval of Magnetic flow-meters	21d	0d	100%	18-Dec-14 A	26-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1080	Prep. & Sub. Sewer Pipe	18d	0d	100%	29-Jan-15 A	09-Mar-15 A	29-Jun-15	29-Jun-15	
MMS-SUB-1090	Review & Approval of Sewer Pipe	21d	0d	100%	09-Mar-15 A	18-Mar-15 A	29-Jun-15	29-Jun-15	
MMS-SUB-1180	Prep. & Sub. 100mm, 50mm Pipes	5d	0d	100%	27-Dec-14 A	15-Jan-15 A	08-Jul-15	08-Jul-15	
MMS-SUB-1190	Review & Approval of 100mm, 50mm Pipes	21d	0d	100%	15-Jan-15 A	19-Jan-15 A	08-Jul-15	08-Jul-15	
MMS-SUB-1200	Prep. & Sub. Gate Valve	5d	0d	100%	17-Dec-14 A	26-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1210	Review & Approval of Gate Valve	21d	0d	100%	26-Jan-15 A	28-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1100	Prep. & Sub. Combination Air Valve	5d	0d	100%	17-Dec-14 A	25-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1110	Review & Approval of Combination Air Valve	21d	0d	100%	25-Jan-15 A	28-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1120	Prep. & Sub. Flow Control Valve	5d	0d	100%	17-Dec-14 A	24-Mar-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1130	Review & Approval of Flow Control Valve	21d	0d	100%	24-Mar-15 A	08-Apr-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1140	Prep. & Sub. Pressure Relief Valve	5d	0d	100%	18-Dec-14 A	01-Feb-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1150	Review & Approval of Pressure Relief Valve	21d	0d	100%	01-Feb-15 A	04-Feb-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1160	Prep. & Sub. Strainer	5d	0d	100%	23-Dec-14 A	30-Dec-14 A	02-Aug-15	02-Aug-15	
MMS-SUB-1170	Review & Approval of Strainer	21d	0d	100%	30-Dec-14 A	30-Dec-14 A	02-Aug-15	02-Aug-15	
MMS-SUB-1060	Prep. & Sub. Heat Shrinkable for Steel Pipes	5d	0d	100%	17-Dec-14 A	15-Feb-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1070	Review & Approval of Heat Shrinkable for Steel Pipes	21d	0d	100%	15-Feb-15 A	04-Mar-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-1220	Prep. & Sub. Pressure Reducing Valve	5d	0d	100%	17-Dec-14 A	01-Feb-15 A	02-Aug-15	02-Aug-15	

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MMS-SUB-123C	Review & Approval of Pressure Reducing Valve	21d	0d	100%	01-Feb-15 A	05-Mar-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-100C	Prep. & Sub. Dismantling joints	5d	0d	100%	15-Dec-14 A	18-Dec-14 A	02-Aug-15	02-Aug-15	
MMS-SUB-101C	Review & Approval of Dismantling joints	21d	0d	100%	18-Dec-14 A	28-Dec-14 A	02-Aug-15	02-Aug-15	
MMS-SUB-102C	Prep. & Sub. Flanges	5d	0d	100%	30-Dec-14 A	18-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-103C	Review & Approval of Flanges	21d	0d	100%	18-Jan-15 A	01-Feb-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-104C	Prep. & Sub. Pressure Gauge, ball valve, and snubber	5d	0d	100%	12-Jan-15 A	25-Jan-15 A	02-Aug-15	02-Aug-15	
MMS-SUB-105C	Review & Approval of Pressure Gauge, ball valve, and snubber	21d	0d	100%	18-Jan-15 A	20-Jan-15 A	02-Aug-15	02-Aug-15	
CMS-SUB-121C	Review & Approval of Manhole covers and frames	21d	0d	100%	30-Dec-14 A	04-Jan-15 A	02-Aug-15	02-Aug-15	
CMS-SUB-122C	Prep. & Sub. Pipe's supports	4d	0d	100%	19-Apr-15 A	26-Apr-15 A	19-Aug-15	19-Aug-15	
CMS-SUB-123C	Review & Approval of Pipe's supports	21d	0d	100%	26-Apr-15 A	11-May-15 A	19-Aug-15	19-Aug-15	
CMS-SUB-124C	Prep. & Sub. Manhole Rungs	2d	0d	100%	22-Dec-14 A	18-Feb-15 A	02-Aug-15	02-Aug-15	
CMS-SUB-125C	Review & Approval of Manhole Rungs	21d	0d	100%	18-Feb-15 A	04-Mar-15 A	02-Aug-15	02-Aug-15	
CMS-SUB-128C	Prep. & Sub. Prime Coat and Tack Coat	3d	0d	100%	02-Mar-15 A	04-Mar-15 A	03-Sep-15	03-Sep-15	
CMS-SUB-129C	Review & Approval of Prime Coat and Tack Coat	21d	0d	100%	04-Mar-15 A	25-Mar-15 A	03-Sep-15	03-Sep-15	
CMS-SUB-106C	Prep. & Sub. Curbstone	3d	0d	100%	17-Feb-15 A	24-Feb-15 A	06-Sep-15	06-Sep-15	
CMS-SUB-107C	Review & Approval of Curbstone	21d	0d	100%	24-Feb-15 A	24-Feb-15 A	06-Sep-15	06-Sep-15	
CMS-SUB-108C	Prep. & Sub. Guard rail	3d	0d	100%	09-Mar-15 A	09-Mar-15 A	07-Sep-15	07-Sep-15	
CMS-SUB-109C	Review & Approval of Guard rail	21d	0d	100%	09-Mar-15 A	06-Apr-15 A	08-Sep-15	08-Sep-15	
CMS-SUB-1100	Prep. & Sub. Traffic Signs	3d	0d	100%	06-Apr-15 A	13-Apr-15 A	07-Sep-15	07-Sep-15	
CMS-SUB-1110	Review & Approval of Traffic Signs	21d	0d	100%	13-Apr-15 A	16-Apr-15 A	07-Sep-15	07-Sep-15	
CMS-SUB-1120	Prep. & Sub. Road Marking Paint	3d	0d	100%	10-Mar-15 A	12-Mar-15 A	07-Sep-15	07-Sep-15	
CMS-SUB-1130	Review & Approval of Road Marking Paint	21d	0d	100%	12-Mar-15 A	17-Mar-15 A	07-Sep-15	07-Sep-15	
CMS-SUB-1140	Prep. & Sub. Concrete Mix Design	28d	0d	100%	13-Jan-15 A	02-Mar-15 A	08-Jul-15	08-Jul-15	
CMS-SUB-1150	Review & Approval of Concrete Mix Design	21d	0d	100%	02-Mar-15 A	17-Mar-15 A	08-Jul-15	08-Jul-15	
CMS-SUB-100C	Prep. & Sub. Bedding Material	5d	0d	100%	17-Dec-14 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
CMS-SUB-101C	Review & Approval of Bedding Material	21d	0d	100%	27-Jan-15 A	29-Jan-15 A	30-Jul-15	30-Jul-15	
CMS-SUB-102C	Prep. & Sub. Single Size Backfilling Material	5d	0d	100%	18-Dec-14 A	27-Jan-15 A	23-Jun-15	23-Jun-15	
CMS-SUB-103C	Review & Approval of Single Size Backfilling Material	21d	0d	100%	24-Dec-14 A	29-Jan-15 A	02-Aug-15	02-Aug-15	
CMS-SUB-104C	Prep. & Sub. Base Course	5d	0d	100%	21-Dec-14 A	02-Feb-15 A	23-Jun-15	23-Jun-15	
CMS-SUB-105C	Review & Approval of Base Course	21d	0d	100%	02-Feb-15 A	03-Feb-15 A	23-Jun-15	23-Jun-15	
CMS-SUB-126C	Prep. & Sub. Asphalt Mix Design	7d	0d	100%	13-Jan-15 A	18-Feb-15 A	03-Sep-15	03-Sep-15	

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CMS-SUB-127C	Review & Approval of Asphalt Mix Design	21d	0d	100%	18-Feb-15 A	16-Mar-15 A	03-Sep-15	03-Sep-15	
CMS-SUB-1180	Prep. & Sub. Bituminous Cold Material	2d	0d	100%	05-Jan-15 A	25-Jan-15 A	08-Jul-15	08-Jul-15	
CMS-SUB-1190	Review & Approval of Bituminous Cold Material	21d	0d	100%	25-Jan-15 A	01-Feb-15 A	08-Jul-15	08-Jul-15	
CMS-SUB-1160	Prep. & Sub. Steel Reinforcement	4d	0d	100%	15-Dec-14 A	18-Dec-14 A	08-Jul-15	08-Jul-15	
CMS-SUB-1170	Review & Approval of Steel Reinforcement	21d	0d	100%	18-Dec-14 A	12-Jan-15 A	08-Jul-15	08-Jul-15	
CMS-SUB-120C	Prep. & Sub. Manhole covers and frames	4d	0d	100%	17-Dec-14 A	30-Dec-14 A	02-Aug-15	02-Aug-15	
MIS-SUB-1000	Prep. & Sub. Welding Procedure	4d	0d	100%	05-Jan-15 A	26-Jan-15 A	02-Aug-15	02-Aug-15	
MIS-SUB-1010	Review & Approval of Welding Procedure	21d	0d	100%	26-Jan-15 A	09-Mar-15 A	02-Aug-15	02-Aug-15	
MIS-SUB-1020	Prep. & Sub. Identification Tape	5d	0d	100%	05-Jan-15 A	26-Jan-15 A	08-Jul-15	08-Jul-15	
MIS-SUB-1030	Review & Approval of Identification Tape	21d	0d	100%	26-Jan-15 A	17-Feb-15 A	08-Jul-15	08-Jul-15	
MIS-SUB-1040	Prep. & Sub. Welding testing Labs	4d	0d	100%	09-Mar-15 A	10-Mar-15 A	02-Aug-15	02-Aug-15	
MIS-SUB-1050	Review & Approval of Welding testing Labs	21d	0d	100%	10-Mar-15 A	12-Mar-15 A	02-Aug-15	02-Aug-15	
MIS-SUB-1060	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	4d	0d	100%	01-Mar-15 A	09-Mar-15 A	02-Aug-15	02-Aug-15	
MIS-SUB-1070	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21d	0d	100%	09-Mar-15 A	18-Mar-15 A	02-Aug-15	02-Aug-15	
MS-SUB-1000	Prep. & Sub. Pipeline installation method statement	3d	0d	100%	08-Feb-15 A	10-Feb-15 A	17-Jun-15	17-Jun-15	
MS-SUB-1010	Review & Approval of Pipeline installation method statement	21d	0d	100%	12-Feb-15 A	17-Feb-15 A	08-Jul-15	08-Jul-15	
E-A-01	Implementation of Traffic Control Plan - Segment A	2d	0d	100%	07-Mar-15 A	09-Mar-15 A	26-Aug-15	26-Aug-15	
E-A-15	Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A	15d	0d	100%	09-Mar-15 A	13-May-15 A	02-Aug-15	02-Aug-15	
E-B-100	Implementation of Traffic Control Plan - Segment B	2d	0d	100%	10-Feb-15 A	12-Feb-15 A	13-Sep-15	13-Sep-15	
E-B-110	Excavation / Cut to specified level from station B0+000 to Station B0+230	20d	0d	100%	12-Feb-15 A	11-Jun-15 A	23-Jun-15	23-Jun-15	
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max	17d	0d	100%	03-Mar-15 A	17-May-15 A	13-Aug-15	13-Aug-15	
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max	13d	0d	100%	12-Mar-15 A	17-May-15 A	13-Aug-15	13-Aug-15	
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max	13d	0d	100%	12-Mar-15 A	17-May-15 A	13-Aug-15	13-Aug-15	
IA-20	Project Duration	178d	66d	63.05%	15-Dec-14 A	13-Sep-15	17-Dec-14	13-Sep-15	0d
IA-30	Issuance of VO 01	0d	0d	0%	15-Jun-15*		15-Jun-15		0d
PRO-1030	Order and Delivery of Mechanical Valves VO 01	44d	44d	0%	15-Jun-15	18-Aug-15	15-Jun-15	18-Aug-15	0d
MS-SUB-1020	Prep. & Sub. Sewer Pipe installation method statement	11d	0d	0%	02-May-15 A	15-Jun-15	17-Jun-15	17-Jun-15	2d
MS-SUB-1030	Review & Approval of Sewer Pipe installation method statement	21d	21d	0%	15-Jun-15	28-Jul-15	17-Jun-15	30-Jul-15	2d

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CS-SH-W-150	Review & Approval of Shop drawing for Box Culvert at station B0+020	21d	11d	0%	21-May-15 A	05-Jul-15	23-Jun-15	16-Jul-15	5d
CS-SH-W-55	Prep. & Sub. Shop drawing for Replacement of existing Chamber at Segment A	5d	3d	0%	18-May-15 A	17-Jun-15	23-Jun-15	28-Jun-15	6d
E-B-105	Maintain of Traffic Control Plan and Safety - Segment B	133d	58d	0%	12-Feb-15 A	05-Sep-15	12-Feb-15	12-Sep-15	6d
E-B-138	Basecourse Second layer (20 cm) for Box Culvert	7d	7d	0%	15-Jun-15	25-Jun-15	23-Jun-15	06-Jul-15	6d
PRO-1020	Order and Delivery of Sewer Pipes	40d	20d	0%	16-Apr-15 A	22-Jul-15	29-Jun-15	01-Aug-15	9d
CS-SH-W-130	Review & Approval of Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	21d	9d	0%	19-May-15 A	01-Jul-15	07-Jul-15	27-Jul-15	11d
VO-A-1.1.1.b	Construction of 100 mm QELQES Service connection Chamber at Station A 0+990	21d	2d	90%	20-May-15 A	17-Jun-15	04-Jul-15	07-Jul-15	12d
E-B-120	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B	4d	0d	90%	08-Apr-15 A	15-Jun-15	08-Jul-15	08-Jul-15	14d
CS-SH-W-160	Review & Approval of Shop drawing for Pipe Culvert at Station B0+415	21d	15d	0%	26-May-15 A	14-Jul-15	22-Jul-15	12-Aug-15	17d
CS-SH-W-170	Review & Approval of Shop drawing for for Pipe Culvert at Station B0+970	21d	15d	0%	26-May-15 A	14-Jul-15	03-Aug-15	24-Aug-15	25d
PRO-1010	Order and Delivery of Mechanical and Electrical Fittings	50d	15d	0%	25-Jan-15 A	11-Jul-15	02-Aug-15	18-Aug-15	29d
E-A-22	Construction of 100 mm Washout Chamber at Station A 0+047	15d	2d	90%	11-May-15 A	16-Jun-15	02-Aug-15	03-Aug-15	29d
E-A-24	Construction of 100 mm Air Release Valve Chamber at Station A 0+183	15d	2d	90%	11-May-15 A	16-Jun-15	02-Aug-15	03-Aug-15	29d
E-A-26	Construction of 100 mm Isolation Valve Chamber at Station A 0+470	15d	2d	90%	11-May-15 A	16-Jun-15	02-Aug-15	03-Aug-15	29d
E-A-30	Construction of 100 mm Washout Chamber at Station A 0+620	15d	2d	0%	26-May-15 A	16-Jun-15	02-Aug-15	03-Aug-15	29d
E-A-32	Construction of 100 mm Air Release Valve Chamber at Station A 0+815	15d	15d	0%	15-Jun-15	11-Jul-15	02-Aug-15	18-Aug-15	29d
E-A-10	Maintain of Traffic Control Plan and Safety - Segment A	95d	31d	0%	09-Mar-15 A	04-Aug-15	09-Mar-15	12-Sep-15	34d
E-A-75	Excavation for widening of Right hand side of existing Road From Station A 0+200 to Station A 1+056	12d	1d	95%	23-Apr-15 A	15-Jun-15	10-Aug-15	10-Aug-15	36d
E-B-149	Excavation / Cut to specified level from station B0+230 to Station B0+983	20d	1d	95%	03-Mar-15 A	15-Jun-15	12-Aug-15	13-Aug-15	38d
E-B-149A	Road Embankment to specified level from station B0+230 to Station B0+983	20d	1d	95%	01-Apr-15 A	15-Jun-15	12-Aug-15	13-Aug-15	38d
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max	13d	13d	0%	15-Jun-15	06-Jul-15	13-Aug-15	29-Aug-15	39d
VO-1.2	Sub grade preparation including removal of existing asphalt layer from Station A 0+200 to Station A 1+056	7d	7d	0%	15-Jun-15	25-Jun-15	19-Aug-15	26-Aug-15	44d
E-B-150	Subgrade Preparation for road segment B from station B0+230 to Station B0+983	7d	1d	90%	14-May-15 A	15-Jun-15	25-Aug-15	26-Aug-15	49d

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E-B-154	Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983	6d	0d	95%	08-Apr-15 A	15-Jun-15	25-Aug-15	25-Aug-15	49d
E-A-25	Excavation for widening of left hand side of existing Road From Station A 0+200 to Station A 1+056	8d	1d	90%	23-Apr-15 A	15-Jun-15	26-Aug-15	26-Aug-15	50d
E-B-136	Structural Excavation to specified level for Box Culvert	7d	0d	100%	06-May-15 A	11-Jun-15 A	23-Jun-15	23-Jun-15	
E-B-137	Basecourse first layer (20 cm) for Box Culvert	7d	0d	100%	11-Jun-15 A	13-Jun-15 A	23-Jun-15	23-Jun-15	
E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max	21d	21d	0%	15-Jun-15	23-Jul-15	11-Aug-15	03-Sep-15	36d
E-A-97	Sidewalk from Station A 0+200 to Station A 0+260	5d	5d	0%	15-Jun-15	23-Jun-15	06-Sep-15	12-Sep-15	58d
E-A-98	Stone work from Station A 0+415 to Station A 0+430, and from Station A 0+740 to Station A 0+780	10d	10d	0%	15-Jun-15	02-Jul-15	01-Sep-15	12-Sep-15	54d
E-A-91	Milling of the existing road - segment A from station 0+000 to Station 0+200	1d	1d	0%	16-Jun-15	17-Jun-15	03-Sep-15	03-Sep-15	55d
VO-A-1.1.1.a	Construction of Hebron WWTP Service connection Chamber	15d	15d	0%	17-Jun-15	14-Jul-15	08-Jul-15	01-Aug-15	12d
CS-SH-W-60	Review & Approval of Shop drawing for Replacement of existing Chamber at Segment A	21d	21d	0%	17-Jun-15	02-Aug-15	28-Jun-15	06-Aug-15	5d
E-A-94	Asphalt Wearing Course Layer for road segment A from station 0+000 to Station 0+200	2d	2d	0%	17-Jun-15	21-Jun-15	05-Sep-15	06-Sep-15	55d
E-A-96	Cleaning of existing pipe culvert at station A0+053	2d	2d	0%	21-Jun-15	24-Jun-15	10-Sep-15	12-Sep-15	58d
E-B-139	Basecourse Third layer (20 cm) for Box Culvert	7d	7d	0%	25-Jun-15	08-Jul-15	06-Jul-15	22-Jul-15	6d
E-B-115	Basecourse layer (20 cm) from station B0+000 to Station B0+230	7d	5d	30%	30-May-15 A	11-Jul-15	25-Aug-15	31-Aug-15	39d
E-B-112	Subgrade preparation for road segment from station B0+000 to Station B0+230	5d	2d	70%	14-May-15 A	04-Jul-15	25-Aug-15	26-Aug-15	39d
E-B-219	Road Embankment / Fill to specified level from station B0+000 to Station B0+230	20d	6d	70%	09-May-15 A	12-Jul-15	25-Aug-15	01-Sep-15	39d
E-B-179	Basecourse layer (20 cm) from station B0+230 to Station B0+983	10d	9d	10%	30-May-15 A	21-Jul-15	25-Aug-15	05-Sep-15	39d
E-B-140	Bliding Concrete for Box Culvert	3d	3d	0%	08-Jul-15	14-Jul-15	22-Jul-15	26-Jul-15	6d
E-S-10	Excavation for trunk line from Station 0+000 to Station 0+140 including Manholes	5d	5d	0%	11-Jul-15	22-Jul-15	28-Jul-15	02-Aug-15	10d
POST-CS1030	Operation and Maintenance O&M Manual	20d	20d	0%	11-Jul-15	09-Aug-15	22-Aug-15	13-Sep-15	31d
POST-CS1050	Spare Parts	1d	1d	0%	11-Jul-15	12-Jul-15	13-Sep-15	13-Sep-15	50d
E-S-15	Bedding for trunk line from Station 0+000 to Station 0+140	5d	5d	0%	12-Jul-15	23-Jul-15	30-Jul-15	04-Aug-15	11d
E-B-141	formwork, rebar and cast in place of Box Culvert Base slab	5d	5d	0%	14-Jul-15	25-Jul-15	26-Jul-15	01-Aug-15	6d
VO-A-1.1.2	Construction of 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	15d	15d	0%	14-Jul-15	05-Aug-15	02-Aug-15	18-Aug-15	12d
VO-1.2-1	Base course for Road segment from Station A 0+200 to Station A 1+056	7d	7d	0%	14-Jul-15	27-Jul-15	27-Aug-15	03-Sep-15	34d

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E-B-174	Construction of Pipe Culvert at Station B0+415 1000mm length 10 m	10d	10d	0%	14-Jul-15	30-Jul-15	12-Aug-15	24-Aug-15	21d
E-S-35	Excavation for trunk line from Station 0+140 to Station 0+280 including Manholes	5d	5d	0%	22-Jul-15	28-Jul-15	03-Aug-15	08-Aug-15	10d
E-S-40	Bedding for trunk line from Station 0+140 to Station 0+280	5d	5d	0%	23-Jul-15	29-Jul-15	05-Aug-15	10-Aug-15	11d
E-B-142	formwork, rebar and cast in place of walls of Box Culvert Base	15d	15d	0%	25-Jul-15	11-Aug-15	01-Aug-15	18-Aug-15	6d
VO-1.2-2	Asphalt Binder Course Layer for road segment A from station 0+200 to Station 1+056	2d	2d	0%	27-Jul-15	29-Jul-15	05-Sep-15	06-Sep-15	34d
E-S-60	Excavation for trunk line from Station 0+280 to Station 0+420 including Manholes	5d	5d	0%	28-Jul-15	03-Aug-15	09-Aug-15	13-Aug-15	10d
E-S-20	Installation of trunk line from Station 0+000 to Station 0+140	5d	5d	0%	28-Jul-15	03-Aug-15	02-Aug-15	06-Aug-15	3d
E-A-95	Road Marking and Traffic Signs	5d	5d	0%	29-Jul-15	04-Aug-15	07-Sep-15	12-Sep-15	34d
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	5d	5d	0%	29-Jul-15	04-Aug-15	19-Aug-15	25-Aug-15	17d
E-S-65	Bedding for trunk line from Station 0+280 to Station 0+420	5d	5d	0%	30-Jul-15	05-Aug-15	11-Aug-15	16-Aug-15	10d
E-B-184	Construction of Pipe Culvert at Station B0+970 1000mm length 16.5m	10d	10d	0%	30-Jul-15	11-Aug-15	24-Aug-15	05-Sep-15	21d
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	15d	15d	0%	30-Jul-15	17-Aug-15	08-Aug-15	25-Aug-15	6d
E-A-65	Replacement of existing Chamber at Segment A (Pre Cast)	5d	5d	0%	02-Aug-15	08-Aug-15	08-Aug-15	12-Aug-15	5d
E-A-65a	Connection to the existing water pipeline DN50	10d	10d	0%	02-Aug-15	13-Aug-15	08-Aug-15	18-Aug-15	5d
IA-06	Finish of Construction Submittals	0d	0d	0%		02-Aug-15		13-Sep-15	43d
E-S-085	Excavation for trunk line from Station 0+420 to Station 0+560 including Manholes	5d	5d	0%	03-Aug-15	09-Aug-15	15-Aug-15	19-Aug-15	10d
E-S-45	Installation of trunk line from Station 0+140 to Station 0+280	5d	5d	0%	03-Aug-15	09-Aug-15	08-Aug-15	12-Aug-15	3d
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	5d	5d	0%	04-Aug-15	10-Aug-15	25-Aug-15	31-Aug-15	17d
E-S-090	Bedding for trunk line from Station 0+420 to Station 0+560	5d	5d	0%	05-Aug-15	11-Aug-15	17-Aug-15	22-Aug-15	10d
E-S-70	Installation of trunk line from Station 0+280 to Station 0+420	5d	5d	0%	09-Aug-15	15-Aug-15	13-Aug-15	18-Aug-15	3d
E-B-143	formwork, rebar and cast in place of roof slab of Box Culvert	15d	15d	0%	11-Aug-15	29-Aug-15	18-Aug-15	05-Sep-15	6d
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	5d	5d	0%	11-Aug-15	17-Aug-15	31-Aug-15	06-Sep-15	16d
E-S-095	Installation of trunk line from Station 0+420 to Station 0+560	5d	5d	0%	15-Aug-15	20-Aug-15	19-Aug-15	24-Aug-15	3d
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	15d	15d	0%	17-Aug-15	03-Sep-15	25-Aug-15	12-Sep-15	6d
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	15d	15d	0%	17-Aug-15	03-Sep-15	25-Aug-15	12-Sep-15	6d
E-S-105	Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)	15d	15d	0%	17-Aug-15	03-Sep-15	25-Aug-15	12-Sep-15	6d

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E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	5d	5d	0%	17-Aug-15	23-Aug-15	06-Sep-15	12-Sep-15	16d
E-A-105	Mechanical valves Installation	10d	10d	0%	19-Aug-15	30-Aug-15	19-Aug-15	30-Aug-15	0d
E-S-115	Breaking into existing sewer manhole and Diversion of wadi	3d	3d	0%	20-Aug-15	24-Aug-15	25-Aug-15	27-Aug-15	3d
E-S-125	Replacement of the existing sewer Manhole MH 14	15d	15d	0%	23-Aug-15	09-Sep-15	27-Aug-15	13-Sep-15	3d
E-S-135	Reinstatement of existing sewer manhole	2d	2d	0%	24-Aug-15	26-Aug-15	09-Sep-15	12-Sep-15	13d
E-A-145	Asphalt Binder Course layer for road segment B	3d	3d	0%	29-Aug-15	01-Sep-15	05-Sep-15	08-Sep-15	6d
E-B-144	formwork, rebar and cast in place of boundary wall of Box Culvert	5d	5d	0%	29-Aug-15	03-Sep-15	06-Sep-15	12-Sep-15	7d
E-A-115	Water and Sewer Pipe line Testing	7d	7d	0%	31-Aug-15	07-Sep-15	31-Aug-15	07-Sep-15	0d
E-A-155	Road Guard rail, Traffic Signs and Marking	3d	3d	0%	01-Sep-15	05-Sep-15	08-Sep-15	12-Sep-15	6d
A1000	Demobilization Summary	8d	8d	0%	05-Sep-15	13-Sep-15	12-Sep-15	13-Sep-15	0d
IA-10	Finish of Construction at Segment B	0d	0d	0%		05-Sep-15		12-Sep-15	7d
IA-08	Finish of Construction at Segment A	0d	0d	0%		07-Sep-15		12-Sep-15	5d
E-A-165	Site inspection / Start up and Training	5d	5d	0%	08-Sep-15	13-Sep-15	08-Sep-15	13-Sep-15	0d
POST-CS1000	Warranties	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1010	Inspection and Handover - Final Acceptance Certificate	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1020	Final Report	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1040	As-Built Drawings	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1060	Release of Liens and Waiver of Debts and Claims letter	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1070	Preparation of Final Payment	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1080	Training Completion Documents	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
POST-CS1090	Clearance Certificate from Local Authorities	1d	1d	0%	08-Sep-15	08-Sep-15	13-Sep-15	13-Sep-15	4d
A-2	Project Completion	0d	0d	0%		13-Sep-15*		13-Sep-15	0d
MOB1090	Mobilization Summary	18d	0d	100%	17-Dec-14 A	27-Jan-15 A			

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

WBS Code	WBS Name
TO-15-01-HAR-Revised	Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road
TO-15-01-HAR-Revised.1	Milestones
TO-15-01-HAR-Revised.1.1	General Milestones
TO-15-01-HAR-Revised.1.2	Intermediate Milestones
TO-15-01-HAR-Revised.2	PreConstruction Phase
TO-15-01-HAR-Revised.2.MOB	Mobilization
TO-15-01-HAR-Revised.2.2	PreConstruction Submittals
TO-15-01-HAR-Revised.2.1	Traffic Control Plan, Coordination and Permits
TO-15-01-HAR-Revised.3	Construction Phase
TO-15-01-HAR-Revised.3.1	Construction Submittals
TO-15-01-HAR-Revised.3.1.1	Shopdrawing submittals
TO-15-01-HAR-Revised.3.1.1.1	Water Pipeline Shopdrawing
TO-15-01-HAR-Revised.3.1.1.1.1	100mm and 50mm Pipes
TO-15-01-HAR-Revised.3.1.1.1.2	Chambers Shopdrawing
TO-15-01-HAR-Revised.3.1.1.1.2.1	Gate Valve Chambers
TO-15-01-HAR-Revised.3.1.1.1.2.4	Connection and Monitoring Chamber
TO-15-01-HAR-Revised.3.1.1.1.2.2	AVAR Chambers
TO-15-01-HAR-Revised.3.1.1.1.2.3	WO Washout Chambers
TO-15-01-HAR-Revised.3.1.1.5	Road Shopdrawing (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.5.1	Segment A (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.5.2	Segment B (Plan, Profile and Cross section)
TO-15-01-HAR-Revised.3.1.1.3	Concrete Wall
TO-15-01-HAR-Revised.3.1.1.4	Culvert
TO-15-01-HAR-Revised.3.1.1.2	Sewer Line
TO-15-01-HAR-Revised.3.1.2	Material Submittals
TO-15-01-HAR-Revised.3.1.2.1	Mechanical Material Submittals
TO-15-01-HAR-Revised.3.1.2.2	Civil Material Submittals
TO-15-01-HAR-Revised.3.1.2.3	Electrical Material Submittals
TO-15-01-HAR-Revised.3.1.3	Method Statement
TO-15-01-HAR-Revised.3.1.4	Miscellaneous
TO-15-01-HAR-Revised.3.5	Procurement
TO-15-01-HAR-Revised.3.2	Execution
TO-15-01-HAR-Revised.3.2.1	Road Segment A
TO-15-01-HAR-Revised.3.2.1.4	Road Segment A - Left Hand Side
TO-15-01-HAR-Revised.3.2.1.1	Road Segment A - Right Hand Side
TO-15-01-HAR-Revised.3.2.1.3	Asphalting – Milling & Overlay
TO-15-01-HAR-Revised.3.2.1.2	New Items VO 01
TO-15-01-HAR-Revised.3.2.2	Road Segment B
TO-15-01-HAR-Revised.3.2.2.1	Road Seg. B from Station 0+000 to Station 0+230
TO-15-01-HAR-Revised.3.2.2.1.2	Installation of 50mm Pipe and chambers
TO-15-01-HAR-Revised.3.2.2.1.1	Concrete Work
TO-15-01-HAR-Revised.3.2.2.1.3	Box Culvert at Station 0+020
TO-15-01-HAR-Revised.3.2.2.4	Road Seg. B from Station 0+230 to Station 0+983
TO-15-01-HAR-Revised.3.2.2.4.2	Installation of 50mm Pipe
TO-15-01-HAR-Revised.3.2.2.4.3	Pipe Culvert
TO-15-01-HAR-Revised.3.2.2.3	Sewer Trunk Line
TO-15-01-HAR-Revised.3.2.2.3.1	Installation of Sewer trunk line from Station 0+000 to Station 0+140
TO-15-01-HAR-Revised.3.2.2.3.2	Installation of Sewer trunk line from Station 0+140 to Station 0+280
TO-15-01-HAR-Revised.3.2.2.3.3	Installation of Sewer trunk line from Station 0+280 to Station 0+420
TO-15-01-HAR-Revised.3.2.2.3.4	Installation of Sewer trunk line from Station 0+420 to Station 0+983
TO-15-01-HAR-Revised.3.2.2.2	Asphalting
TO-15-01-HAR-Revised.3.2.5	Mechanical and Electrical Installation and Testing for Seg. A and B
TO-15-01-HAR-Revised.4	Post Construction Phase
TO-15-01-HAR-Revised.4.1	Post Construction Submittals

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

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
<b>HAR-2.02-b</b>	<b>Crushed aggregate Compacted Base Course Layer 200 mm thick Class A.</b>		
VO-1.2-1	Base course for Road segment from Station A 0+200 to Station A 1+056	6700	0
E-B-137	Basecourse first layer (20 cm) for Box Culvert	240	240
E-B-115	Basecourse layer (20 cm) from station B0+000 to Station B0+230	2500	750
E-B-179	Basecourse layer (20 cm) from station B0+230 to Station B0+983	6080	608
E-B-138	Basecourse Second layer (20 cm) for Box Culvert	240	0
E-B-139	Basecourse Third layer (20 cm) for Box Culvert	240	0
	<b>Total</b>	<b>16000</b>	<b>1598</b>
<b>HAR-1.01a</b>	<b>Excavation to specified or directed levels in all materials</b>		
E-B-110	Excavation / Cut to specified level from station B0+000 to Station B0+230	3850	3850
E-B-149	Excavation / Cut to specified level from station B0+230 to Station B0+983	6402	6082
E-A-25	Excavation for widening of left hand side of existing Road From Station A 0+200 to Station A 1+056	0	0
E-A-75	Excavation for widening of Right hand side of existing Road From Station A 0+200 to Station A 1+056	3248	3085
	<b>Total</b>	<b>13500</b>	<b>13018</b>
<b>HAR-1.01b</b>	<b>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	0
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max	279	279
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max	186	186
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max	168	168
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max	59	0
E-B-136	Structural Excavation to specified level for Box Culvert	309	309

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
		<b>Total</b>	<b>1300</b>
			<b>941</b>
<hr/>			
<b>HAR-1.02-a</b>	<b>Filling horizontal Layers not exceeding 200 mm in depth</b>		
E-B-219	Road Embankment / Fill to specified level from station B0+000 to Station B0+230	2650	1855
E-B-149A	Road Embankment to specified level from station B0+230 to Station B0+983	4850	4608
		<b>Total</b>	<b>7500</b>
			<b>6463</b>
<hr/>			
<b>HAR - 3-01-a</b>	<b>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+200 to Station 1+056	4250	0
E-A-145	Asphalt Binder Course layer for road segment B	8350	0
		<b>Total</b>	<b>12600</b>
			<b>0</b>
<hr/>			
<b>HAR - 3-02-b</b>	<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+200 to Station 1+056	0	0
E-A-94	Asphalt Wearing Course Layer for road segment A from station 0+000 to Station 0+200	2000	0
		<b>Total</b>	<b>2000</b>
			<b>0</b>
<hr/>			
<b>HAR - 3-03-a</b>	<b>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+200 to Station 1+056	0	0
E-A-94	Asphalt Wearing Course Layer for road segment A from station 0+000 to Station 0+200	2000	0
		<b>Total</b>	<b>2000</b>
			<b>0</b>

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
<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+200 to Station 1+056	4100	0
E-A-145	Asphalt Binder Course layer for road segment B	8500	0
<b>Total</b>		<b>12600</b>	<b>0</b>
<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	2000	0
<b>Total</b>		<b>2000</b>	<b>0</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	0
E-B-184	Construction of Pipe Culvert at Station B0+970 1000mm length 16.5m	17	0
<b>Total</b>		<b>27</b>	<b>0</b>
<b>HAR - 4-05                      Storm drain pipe cleaning</b>			
E-A-96	Cleaning of existing pipe culvert at station A0+053	30	0
<b>Total</b>		<b>30</b>	<b>0</b>
<b>HAR - 4-07-a                      Concrete Class - B150</b>			
E-B-140	Bliding Concrete for Box Culvert	29	0
E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max	20	0

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code		Resource Name	Planned Units	Actual Units
Activity ID	Activity			
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max		17	17
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max		14	14
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max		15	15
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max		5	0
<b>Total</b>			<b>100</b>	<b>46</b>

### HAR - 4-07-c Concrete Class - B300

E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max		100	0
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max		138	138
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max		81	81
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max		79	79
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max		36	0
E-B-144	formwork, rebar and cast in place of boundary wall of Box Culvert		45	0
E-B-141	formwork, rebar and cast in place of Box Culvert Base slab		50	0
E-B-143	formwork, rebar and cast in place of roof slab of Box Culvert		51	0
E-B-142	formwork, rebar and cast in place of walls of Box Culvert Base		170	0
<b>Total</b>			<b>750</b>	<b>298</b>

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

E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max		8	0
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max		12	12
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max		9	9
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max		9	9
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max		9	0

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-B-144	formwork, rebar and cast in place of boundary wall of Box Culvert	3	0
E-B-141	formwork, rebar and cast in place of Box Culvert Base slab	4	0
E-B-143	formwork, rebar and cast in place of roof slab of Box Culvert	4	0
E-B-142	formwork, rebar and cast in place of walls of Box Culvert Base	17	0
<b>Total</b>		<b>75</b>	<b>30</b>

### HAR - 4-09 Construction of stone wall as per contract's drawings

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E-A-98	Stone work from Station A 0+415 to Station A 0+430, and from Station A 0+740 to Station A 0+780	100	0
<b>Total</b>		<b>100</b>	<b>0</b>

### HAR - 4-12-a Supply and install precast concrete curbstone for sidewalk

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E-A-97	Sidewalk from Station A 0+200 to Station A 0+260	100	0
<b>Total</b>		<b>100</b>	<b>0</b>

### HAR - 5.01-e Circular sign face 900 mm dia.

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E-A-155	Road Guard rail, Traffic Signs and Marking	1	0
E-A-95	Road Marking and Traffic Signs	1	0
<b>Total</b>		<b>2</b>	<b>0</b>

### HAR - 5.01-f Triangular sign face 900 mm deep

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E-A-155	Road Guard rail, Traffic Signs and Marking	8	0
E-A-95	Road Marking and Traffic Signs	7	0

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
		<b>Total</b>	<b>15</b>
			<b>0</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	0
E-A-95	Road Marking and Traffic Signs	2	0
		<b>Total</b>	<b>4</b>
			<b>0</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	0
E-A-95	Road Marking and Traffic Signs	3	0
		<b>Total</b>	<b>6</b>
			<b>0</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	0
E-A-95	Road Marking and Traffic Signs	2	0
		<b>Total</b>	<b>4</b>
			<b>0</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	0
E-A-95	Road Marking and Traffic Signs	8	0
		<b>Total</b>	<b>16</b>
			<b>0</b>

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code		Resource Name	Planned Units	Actual Units
Activity ID	Activity			
<b>HAR - 5.01-I</b>		<b>Rectangular chevron signs Type (RS-3)</b>		
E-A-155	Road Guard rail, Traffic Signs and Marking		1	0
E-A-95	Road Marking and Traffic Signs		0	0
<b>Total</b>			<b>1</b>	<b>0</b>
<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	0
E-A-95	Road Marking and Traffic Signs		350	0
<b>Total</b>			<b>700</b>	<b>0</b>
<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	0
E-A-95	Road Marking and Traffic Signs		250	0
<b>Total</b>			<b>500</b>	<b>0</b>
<b>HAR - 5-03-d</b>		<b>Supply and install double cat eyes</b>		
E-A-155	Road Guard rail, Traffic Signs and Marking		100	0
E-A-95	Road Marking and Traffic Signs		100	0
<b>Total</b>			<b>200</b>	<b>0</b>
<b>HAR - 5-04-a</b>		<b>Grouted rip rap protection to embankments cutting slops and ditches</b>		

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-B-174	Construction of Pipe Culvert at Station B0+415 1000mm length 10 m	35	0
E-B-184	Construction of Pipe Culvert at Station B0+970 1000mm length 16.5m	35	0
<b>Total</b>		<b>70</b>	<b>0</b>

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

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E-A-155	Road Guard rail, Traffic Signs and Marking	750	0
<b>Total</b>		<b>750</b>	<b>0</b>

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

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E-S-10	Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes	0	0
E-S-35	Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes	0	0
E-S-60	Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes	0	0
E-S-085	Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes	68	0
<b>Total</b>		<b>68</b>	<b>0</b>

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

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E-S-10	Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes	0	0
E-S-35	Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes	0	0
E-S-60	Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes	134	0
E-S-085	Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes	52	0
<b>Total</b>		<b>186</b>	<b>0</b>

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

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-S-10	Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes	0	0
E-S-35	Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes	41	0
E-S-60	Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes	6	0
E-S-085	Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes	0	0
<b>Total</b>		<b>47</b>	<b>0</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	82	0
E-S-35	Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes	99	0
E-S-60	Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes	0	0
E-S-085	Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes	0	0
<b>Total</b>		<b>181</b>	<b>0</b>

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

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E-S-10	Excavtion for trunk line from Station 0+000 to Station 0+140 including Manholes	58	0
E-S-35	Excavtion for trunk line from Station 0+140 to Station 0+280 including Manholes	0	0
E-S-60	Excavtion for trunk line from Station 0+280 to Station 0+420 including Manholes	0	0
E-S-085	Excavtion for trunk line from Station 0+420 to Station 0+560 including Manholes	0	0
<b>Total</b>		<b>58</b>	<b>0</b>

### HAR - 6-1-2-1-1      Backfill Trench Zone for pipes at depths greater than 2.0 meters to 2.5 meters

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E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	68	0
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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	0	0
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	0	0
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	0	0
<b>Total</b>		<b>68</b>	<b>0</b>

### **HAR - 6-1-2-1-2 Backfill Trench Zone for pipes at depths greater than 2.5 meters to 3.0 meters**

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E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	52	0
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	0	0
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	0	0
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	134	0
<b>Total</b>		<b>186</b>	<b>0</b>

### **HAR - 6-1-2-1-3 Backfill Trench Zone for pipes at depths greater than 3.0 meters to 3.5 meters**

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E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	0	0
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	0	0
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	41	0
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	6	0
<b>Total</b>		<b>47</b>	<b>0</b>

### **HAR - 6-1-2-1-4 Backfill Trench Zone for pipes at depths greater than 3.5 meters to 4.0 meters**

---

E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	0	0
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	82	0
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	99	0

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	0	0
<b>Total</b>		<b>181</b>	<b>0</b>

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

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E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	0	0
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	58	0
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	0	0
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	0	0
<b>Total</b>		<b>58</b>	<b>0</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	0
E-S-20	Installation of trunk line from Station 0+000 to Station 0+140	135	0
E-S-45	Installation of trunk line from Station 0+140 to Station 0+280	135	0
E-S-70	Installation of trunk line from Station 0+280 to Station 0+420	135	0
<b>Total</b>		<b>540</b>	<b>0</b>

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

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E-S-105	Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)	2	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	0	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	0	0

Footer 1

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
		<b>Total</b>	<b>2</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-3-1-2</b>	<b>Sewage Manholes greater than 2.5 meter depth to 3.0 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)	2	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	1	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	3	0
		<b>Total</b>	<b>6</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-3-1-3</b>	<b>Sewage Manholes greater than 3.0 meter depth to 3.5 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)	0	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	1	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	0	0
		<b>Total</b>	<b>2</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-3-1-4</b>	<b>Sewage Manholes greater than 3.5 meter depth to 4.0 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)	0	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	0	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	0	0

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
		<b>Total</b>	<b>2</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-3-1-5</b>	<b>Sewage Manholes greater than 4.0 meter depth to 4.5 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)	0	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	0	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	0	0
		<b>Total</b>	<b>1</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-3-1-6</b>	<b>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)	0	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	0	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	0	0
		<b>Total</b>	<b>1</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-04-1</b>	<b>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	0
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	0
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	2	0
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	3	0

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
		<b>Total</b>	<b>14</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-05-1</b>	<b>Break into the existing sewer manhole</b>		
E-S-115	Breaking into existing sewer manhole and Diversion of wadi	1	0
		<b>Total</b>	<b>1</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-6-1</b>	<b>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	0
		<b>Total</b>	<b>1</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-07</b>	<b>Sewer Testing (Specification Section 02702 Parg. 3.7)</b>		
E-A-115	Water and Sewer Pipe line Testing	1	0
		<b>Total</b>	<b>1</b>
			<b>0</b>
<hr/>			
<b>HAR - 6-08</b>	<b>Sewer line marking</b>		
E-A-115	Water and Sewer Pipe line Testing	3	0
		<b>Total</b>	<b>3</b>
			<b>0</b>
<hr/>			
<b>HAR - 7-1-1-1</b>	<b>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	1065
		<b>Total</b>	<b>1065</b>
			<b>1065</b>

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
<b>HAR - 7-1-1-2      Trench excavation for 50 mm pipes St. B0+000 to St. B0+984</b>			
E-B-120	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B	247	222
E-B-154	Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983	753	715
	<b>Total</b>	<b>1000</b>	<b>938</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	1065
	<b>Total</b>	<b>1065</b>	<b>1065</b>
<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-120	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B	247	222
E-B-154	Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983	753	715
	<b>Total</b>	<b>1000</b>	<b>938</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	1065
	<b>Total</b>	<b>1065</b>	<b>1065</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-120	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B	247	222

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
E-B-154	Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983	753	715
<b>Total</b>		<b>1000</b>	<b>938</b>

### HAR - 7-3-1-1 Supply and install complete DN 100 mm flanged Gate Valve and its chamber

---

E-A-26	Construction of 100 mm Isolation Valve Chamber at Station A 0+470	0	0
E-A-105	Mechanical valves Installation	2	0
<b>Total</b>		<b>2</b>	<b>0</b>

### HAR - 7-3-1-2 Ditto but with different diameter DN 50

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E-A-105	Mechanical valves Installation	1	0
<b>Total</b>		<b>1</b>	<b>0</b>

### HAR - 7-3-2-1 Hebron WWTP Connection Chamber Drawing CHD-001, P&ID I-0002

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VO-A-1.1.1.a	Construction of Hebron WWTP Service connection Chamber	0	0
E-A-105	Mechanical valves Installation	0	0
<b>Total</b>		<b>0</b>	<b>0</b>

### HAR - 7-3-2-2 Qilqis Connection Chamber Drawing CHD-002, P&ID I-0003

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VO-A-1.1.1.b	Construction of 100 mm QELQES Service connection Chamber at Station A 0+990	0	0
E-A-105	Mechanical valves Installation	0	0
<b>Total</b>		<b>0</b>	<b>0</b>

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
<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	0
E-A-105	Mechanical valves Installation	0	0
<b>Total</b>		<b>0</b>	<b>0</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	0
E-A-32	Construction of 100 mm Air Release Valve Chamber at Station A 0+815	0	0
E-A-105	Mechanical valves Installation	2	0
<b>Total</b>		<b>3</b>	<b>0</b>
<b>HAR - 7-3-5-1      Supply and install complete DN50 washout and its chamber on DN 100mm pipes</b>			
E-A-22	Construction of 100 mm Washout Chamber at Station A 0+047	0	0
E-A-30	Construction of 100 mm Washout Chamber at Station A 0+620	0	0
E-A-105	Mechanical valves Installation	1	0
<b>Total</b>		<b>2</b>	<b>1</b>
<b>HAR - 7-4-1      Cleaning, washing, hydraulic test and disinfection for the entire pipelines in the project.</b>			
E-A-115	Water and Sewer Pipe line Testing	2065	0
<b>Total</b>		<b>2065</b>	<b>0</b>

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
<hr/>			
<b>HAR - 7-5-1</b>	<b>Markers as per Specs &amp; Detail C-518.</b>		
E-A-15	Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A	0	0
E-A-115	Water and Sewer Pipe line Testing	5	0
	<b>Total</b>	<b>5</b>	<b>0</b>
<hr/>			
<b>HAR - 7-6-1</b>	<b>Reinforced concrete pipe encasement for pipes run on top of culvert, price to include reinforcement bars.</b>		
E-A-15	Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A	7	7
	<b>Total</b>	<b>7</b>	<b>7</b>
<hr/>			
<b>HAR - 7-7-1</b>	<b>Connection to the existing water pipeline DN50.</b>		
E-A-65a	Connection to the existing water pipeline DN50	1	0
	<b>Total</b>	<b>1</b>	<b>0</b>
<hr/>			
<b>HAR - 7-7-2</b>	<b>Replacement of existing water chamber</b>		
E-A-105	Mechanical valves Installation	1	0
E-A-65	Replacement of existing Chamber at Segment A (Pre Cast)	0	0
	<b>Total</b>	<b>1</b>	<b>0</b>
<hr/>			
<b>HAR - 8.2</b>	<b>O&amp;M Technical Manuals</b>		

## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
POST-CS1030	Operation and Maintenance O&M Manual	1	0
<b>Total</b>		<b>1</b>	<b>0</b>

### HAR - 8.3 Site inspection/ Support/ Start up

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E-A-165	Site inspection / Start up and Training	1	0
<b>Total</b>		<b>1</b>	<b>0</b>

### HAR - 9-1 Mobilization

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MOB1090	Mobilization Summary	1	1
<b>Total</b>		<b>1</b>	<b>1</b>

### HAR - 9-2 Demobilization

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A1000	Demobilization Summary	1	0
<b>Total</b>		<b>1</b>	<b>0</b>

### a Hebron WWTP Connection Chamber (Dwg. CHD 001 Rev.1)

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VO-A-1.1.1.a	Construction of Hebron WWTP Service connection Chamber	0Each	0Each
E-A-105	Mechanical valves Installation	1Each	0Each
<b>Total</b>		<b>1</b>	<b>0</b>

### b Qelqes Connection Chamber (Dwg. CHD 002 Rev1)

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## RA-01 Resource Assignments, All Activities

User's Notes:

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Resource Code	Resource Name	Planned Units	Actual Units
Activity ID	Activity		
VO-A-1.1.1.b	Construction of 100 mm QELQES Service connection Chamber at Station A 0+990	0Each	0Each
E-A-105	Mechanical valves Installation	1Each	0Each
<b>Total</b>		<b>1</b>	<b>0</b>
<hr/>			
<b>a-1</b>	<b>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)	0Each	0Each
E-A-105	Mechanical valves Installation	1Each	0Each
<b>Total</b>		<b>1</b>	<b>0</b>
<hr/>			
<b>HAR - VO 1.2</b>	<b>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	4100Sq m	0Sq m
<b>Total</b>		<b>4100</b>	<b>0</b>

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>SAK</b>				
<b>Roads</b>				
<b>HAR - BL</b>				
<b>TO-15-01-HAR-Revi Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road</b>				
<b>TO-15-01-HAR-F Milestones</b>				
<b>TO-15-01-HA General Milestones</b>				
A-1	Notice to Proceed (NTP)	Completed	\$0.00	\$0.00
A-2	Project Completion	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01-HA Intermediate Milestones</b>				
IA-01	Start of Mobilization	Completed	\$0.00	\$0.00
IA-02	Finish of Mobilization	Completed	\$0.00	\$0.00
IA-03	Start of Pre-Construction Submittals	Completed	\$0.00	\$0.00
IA-04	Finish of Pre-Construction Submittals	Completed	\$0.00	\$0.00
IA-05	Start of Construction Submittals	Completed	\$0.00	\$0.00
IA-06	Finish of Construction Submittals	Not Started	\$0.00	\$0.00
IA-07	Start of Construction at Segment A	Completed	\$0.00	\$0.00
IA-08	Finish of Construction at Segment A	Not Started	\$0.00	\$0.00
IA-09	Start of Construction at Segment B	Completed	\$0.00	\$0.00
IA-10	Finish of Construction at Segment B	Not Started	\$0.00	\$0.00
IA-20	Project Duration	In Progress	\$0.00	\$0.00
IA-30	Issuance of VO 01	Not Started	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01-HAR-F PreConstruction Phase</b>				
<b>TO-15-01-HA Mobilization</b>				
MOB1000	Pre-Construction Dilapidation Survey	Completed	\$0.00	\$0.00
MOB1010	Provide, furnish and erect Temporary Project Signs	Completed	\$0.00	\$0.00
MOB1020	Supply and furnish Field Office Furniture and Miscellaneous	Completed	\$0.00	\$0.00
MOB1030	Supply and install Field Office Computer Systems and IT Equipments	Completed	\$0.00	\$0.00
MOB1040	Arrange for and erect Contractor's work and Storage Yards	Completed	\$0.00	\$0.00
MOB1050	Moving onto the Sites of all Plant and equipments	Completed	\$0.00	\$0.00
MOB1060	Post OSHA-required notices and establish safety programs	Completed	\$0.00	\$0.00
MOB1070	Installation of Temporary Facilities as per section 01500	Completed	\$0.00	\$0.00
MOB1080	Survey Work	Completed	\$0.00	\$0.00
MOB1090	Mobilization Summary	Completed	\$93,284.00	\$93,284.00
<b>Subtotal</b>			<b>\$93,284.00</b>	<b>\$93,284.00</b>
<b>TO-15-01-HA PreConstruction Submittals</b>				
PC-SUB-010	Preparation & Submit Copy of Bank Guarantee Certificates (for record)	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
PC-SUB-020	Review & Approval of Bank Guarantee Certificates (for record)	Completed	\$0.00	\$0.00
PC-SUB-030	Preparation & Submit Scheduling Qualification Submittal	Completed	\$0.00	\$0.00
PC-SUB-040	Review & Approval of Scheduling Qualification Submittal	Completed	\$0.00	\$0.00
PC-SUB-050	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	Completed	\$0.00	\$0.00
PC-SUB-060	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	Completed	\$0.00	\$0.00
PC-SUB-070	Preparation & Submit Submittals Schedule	Completed	\$0.00	\$0.00
PC-SUB-080	Review & Approval of Submittals Schedule	Completed	\$0.00	\$0.00
PC-SUB-090	Preparation & Submit Key Staff	Completed	\$0.00	\$0.00
PC-SUB-100	Review & Approval of Key Staff	Completed	\$0.00	\$0.00
PC-SUB-110	Preparation & Submit Project Temporary Signs	Completed	\$0.00	\$0.00
PC-SUB-120	Review & Approval of Project Temporary Signs	Completed	\$0.00	\$0.00
PC-SUB-130	Preparation & Submit Engineer's Field Office Location and Layout	Completed	\$0.00	\$0.00
PC-SUB-140	Review & Approval of Engineer's Field Office Location and Layout	Completed	\$0.00	\$0.00
PC-SUB-150	Preparation & Submit Field Office Furniture and Equipment Plan	Completed	\$0.00	\$0.00
PC-SUB-160	Review & Approval of Field Office Furniture and Equipment Plan	Completed	\$0.00	\$0.00
PC-SUB-170	Preparation & Submit Field Office Computer Systems and Miscellaneous	Completed	\$0.00	\$0.00
PC-SUB-180	Review & Approval of Field Office Computer Systems and Miscellaneous	Completed	\$0.00	\$0.00

### AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
PC-SUB-190	Preparation & Submit Quality Control Plan	Completed	\$0.00	\$0.00
PC-SUB-200	Review & Approval of Quality Control Plan	Completed	\$0.00	\$0.00
PC-SUB-210	Preparation & Submit Safety Plan	Completed	\$0.00	\$0.00
PC-SUB-220	Review & Approval of Safety Plan	Completed	\$0.00	\$0.00
PC-SUB-230	Preparation & Submit Environmental Monitoring and	Completed	\$0.00	\$0.00
PC-SUB-240	Review & Approval of Environmental Monitoring and Mitigation Plan	Completed	\$0.00	\$0.00
PC-SUB-250	Preparation & Submit General Construction Method Statement	Completed	\$0.00	\$0.00
PC-SUB-260	Review & Approval of General Construction Method Statement	Completed	\$0.00	\$0.00
PC-SUB-270	Preparation & Submit Original CPM Construction Schedule	Completed	\$0.00	\$0.00
PC-SUB-280	Review & Approval of Original CPM Construction Schedule	Completed	\$0.00	\$0.00
PC-SUB-290	Preparation & Submit Construction Risk Management	Completed	\$0.00	\$0.00
PC-SUB-300	Review & Approval of Construction Risk Management	Completed	\$0.00	\$0.00
PC-SUB-310	Preparation & Submit Dilapidation Survey	Completed	\$0.00	\$0.00
PC-SUB-320	Review & Approval of Dilapidation Survey	Completed	\$0.00	\$0.00
PC-SUB-330	Preparation & Submit of Testing Lab C.V	Completed	\$0.00	\$0.00
PC-SUB-340	Review & Approval of Testing Lab C.V	Completed	\$0.00	\$0.00
PC-SUB-350	Preparation & Submit Insurances (for record)	Completed	\$0.00	\$0.00
PC-SUB-360	Review & Approval of Insurances (for record)	Completed	\$0.00	\$0.00
PC-SUB-370	Preparation & Submit Lists of Permits and Licenses	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
PC-SUB-380	Review & Approval of Lists of Permits and Licenses	Completed	\$0.00	\$0.00
PC-SUB-390	Preparation & Submit Dumping Site	Completed	\$0.00	\$0.00
PC-SUB-400	Review & Approval of Dumping Site	Completed	\$0.00	\$0.00
PC-SUB-410	Preparation & Submit Storage Yard	Completed	\$0.00	\$0.00
PC-SUB-420	Review & Approval of Storage Yard	Completed	\$0.00	\$0.00
PC-SUB-430	Preparation & Submit Trench Safety Plan	Completed	\$0.00	\$0.00
PC-SUB-440	Review & Approval of Trench Safety Plan	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01-HA Traffic Control Plan, Coordination and Permits</b>				
PC-SUB-1000	Preparation & Submit Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 ( Area B)	Completed	\$0.00	\$0.00
PC-SUB-1010	Review & Approval of Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 ( Area B)	Completed	\$0.00	\$0.00
PC-SUB-1020	Preparation & Submit Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 ( Area B)	Completed	\$0.00	\$0.00
PC-SUB-1030	Review & Approval of Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 ( Area B)	Completed	\$0.00	\$0.00
PC-SUB-1040	Receive Final for Construction Drawings	Completed	\$0.00	\$0.00
PC-SUB-1050	Coordination with Local authorities and obtain required permits for	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$93,284.00</b>	<b>\$93,284.00</b>
<b>TO-15-01-HAR-F Construction Phase</b>				
<b>TO-15-01-HA Construction Submittals</b>				
<b>TO-15-01 Shopdrawing submittals</b>				
<b>TO-15-01 Water Pipeline Shopdrawing</b>				
<b>TO-15-01 100mm and 50mm Pipes</b>				
CS-SH-W-01	Prep. & Sub. Shop drawing for 100 mm pipeline at Segment A	Completed	\$0.00	\$0.00
CS-SH-W-02	Review & Approval of Shop drawing for for 100 mm pipeline at Segment A	Completed	\$0.00	\$0.00
CS-SH-W-03	Prep. & Sub. Shop drawing for 50 mm pipeline at Segment B	Completed	\$0.00	\$0.00
CS-SH-W-04	Review & Approval of Shop drawing for for 50 mm pipeline at Segment B	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Chambers Shopdrawing</b>				
<b>TO-15-01 Gate Valve Chambers</b>				
CS-SH-W-31	Prep. & Sub. Shop drawing for 100mm Isolation Gate Valve Chamber	Completed	\$0.00	\$0.00
CS-SH-W-32	Review & Approval of Shop drawing for 100mm Isolation Gate Valve Chamber	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Connection and Monitoring Chamber</b>				
CS-SH-W-33	Prep. & Sub. Shop drawing for 100mm Qelqes Service Connection Chamber	Completed	\$0.00	\$0.00
CS-SH-W-34	Review & Approval of Shop drawing for 100mm Qelqes Service Connection Chamber	Completed	\$0.00	\$0.00
CS-SH-W-35	Prep. & Sub. Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	Completed	\$0.00	\$0.00
CS-SH-W-40	Review & Approval of Shop drawing for 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	Completed	\$0.00	\$0.00
CS-SH-W-45	Prep. & Sub. Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	Completed	\$0.00	\$0.00
CS-SH-W-50	Review & Approval of Shop drawing for 50 mm WWTP Service connection Chamber at Station B 0+005	Completed	\$0.00	\$0.00
CS-SH-W-55	Prep. & Sub. Shop drawing for Replacement of existing Chamber at Segment A	In Progress	\$0.00	\$0.00
CS-SH-W-60	Review & Approval of Shop drawing for Replacement of existing Chamber at Segment A	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 AVAR Chambers</b>				
CS-SH-W-020	Prep. & Sub. Shop drawing for 50mm AVAR chamber on 100mm	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
CS-SH-W-025	Review & Approval of Shop drawing for 50mm AVAR chamber on 1100mm pipe	Completed	\$0.00	\$0.00
CS-SH-W-25	Prep. & Sub. Shop drawing for 50mm AVAR chamber	Completed	\$0.00	\$0.00
CS-SH-W-30	Review & Approval of Shop drawing for 50mm AVAR chamber	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 WO Washout Chambers</b>				
CS-SH-W-010	Prep. & Sub. Shop drawing for 50mm WO chamber on 100mm pipe	Completed	\$0.00	\$0.00
CS-SH-W-015	Review & Approval of Shop drawing for 50mm WO chamber on 100mm pipe	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Road Shopdrawing (Plan, Profile and Cross section)</b>				
<b>TO-15-01 Segment A (Plan, Profile and Cross section)</b>				
CS-SH-W-05	Prep. & Sub. Shop drawing for Road Segment A from station 0+000 to station 1+065	Completed	\$0.00	\$0.00
CS-SH-W-06	Review & Approval of Shop drawing for Road Segment A from station 0+000 to station 1+065	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Segment B (Plan, Profile and Cross section)</b>				
CS-SH-W-07	Prep. & Sub. Shop drawing for Road Segment B from station 0+000 to station 0+500	Completed	\$0.00	\$0.00
CS-SH-W-08	Review & Approval of Shop drawing for Road Segment B from station 0+000 to station 0+500	Completed	\$0.00	\$0.00
CS-SH-W-09	Prep. & Sub. Shop drawing for Road Segment B from station 0+500 to station 0+983	Completed	\$0.00	\$0.00
CS-SH-W-10	Review & Approval of Shop drawing for Road Segment B from station 0+500 to station 0+983	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Concrete Wall</b>				
CS-SH-W-065	Prep. & Sub. Shop drawing for Retaining Wall from station B0+034 to Station B0+100	Completed	\$0.00	\$0.00
CS-SH-W-070	Review & Approval of Shop drawing for Retaining Wall from station B0+034 to Station B0+100	Completed	\$0.00	\$0.00
CS-SH-W-075	Prep. & Sub. Shop drawing for Retaining Wall from station B0+100 to Station B0+150	Completed	\$0.00	\$0.00
CS-SH-W-080	Review & Approval of Shop	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
CS-SH-W-085	Prep. & Sub. Shop drawing for Retaining Wall from station B0+150 to Station B0+200	Completed	\$0.00	\$0.00
CS-SH-W-090	Review & Approval of Shop drawing for Retaining Wall from station B0+150 to Station B0+200	Completed	\$0.00	\$0.00
CS-SH-W-095	Prep. & Sub. Shop drawing for Retaining Wall from station B0+200 to Station B0+250	Completed	\$0.00	\$0.00
CS-SH-W-100	Review & Approval of Shop drawing for Retaining Wall from station B0+200 to Station B0+250	Completed	\$0.00	\$0.00
CS-SH-W-105	Prep. & Sub. Shop drawing for Retaining Wall from station B0+250 to Station B0+300	Completed	\$0.00	\$0.00
CS-SH-W-110	Review & Approval of Shop drawing for Retaining Wall from station B0+250 to Station B0+300	Completed	\$0.00	\$0.00
CS-SH-W-115	Prep. & Sub. Shop drawing for Retaining Wall from station B0+300 to Station B0+350	Completed	\$0.00	\$0.00
CS-SH-W-120	Review & Approval of Shop drawing for Retaining Wall from station B0+300 to Station B0+350	Completed	\$0.00	\$0.00
CS-SH-W-135	Prep. & Sub. Shop drawing for Retaining Wall from station A0+210 to Station A0+260	Completed	\$0.00	\$0.00
CS-SH-W-140	Review & Approval of Shop drawing for Retaining Wall from station A0+210 to Station A0+260	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Culvert</b>				
CS-SH-W-145	Prep. & Sub. Shop drawing for Box Culvert at station B0+020	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
CS-SH-W-150	Review & Approval of Shop drawing for Box Culvert at station B0+020	In Progress	\$0.00	\$0.00
CS-SH-W-155	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+415	Completed	\$0.00	\$0.00
CS-SH-W-160	Review & Approval of Shop drawing for Pipe Culvert at Station B0+415	In Progress	\$0.00	\$0.00
CS-SH-W-165	Prep. & Sub. Shop drawing for Pipe Culvert at Station B0+970	Completed	\$0.00	\$0.00
CS-SH-W-170	Review & Approval of Shop drawing for for Pipe Culvert at Station B0+970	In Progress	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Sewer Line</b>				
CS-SH-W-125	Prep. & Sub. Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	Completed	\$0.00	\$0.00
CS-SH-W-130	Review & Approval of Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	In Progress	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Material Submittals</b>				
<b>TO-15-01 Mechanical Material Submittals</b>				
MMS-SUB-1000	Prep. & Sub. Dismantling joints	Completed	\$0.00	\$0.00
MMS-SUB-1010	Review & Approval of Dismantling joints	Completed	\$0.00	\$0.00

### AC-02 Activity Costs

WBS

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
MMS-SUB-1020	Prep. & Sub. Flanges	Completed	\$0.00	\$0.00
MMS-SUB-1030	Review & Approval of Flanges	Completed	\$0.00	\$0.00
MMS-SUB-1040	Prep. & Sub. Pressure Gauge, ball valve, and snubber	Completed	\$0.00	\$0.00
MMS-SUB-1050	Review & Approval of Pressure Gauge, ball valve, and snubber	Completed	\$0.00	\$0.00
MMS-SUB-1060	Prep. & Sub. Heat Shrinkable for Steel Pipes	Completed	\$0.00	\$0.00
MMS-SUB-1070	Review & Approval of Heat Shrinkable for Steel Pipes	Completed	\$0.00	\$0.00
MMS-SUB-1080	Prep. & Sub. Sewer Pipe	Completed	\$0.00	\$0.00
MMS-SUB-1090	Review & Approval of Sewer Pipe	Completed	\$0.00	\$0.00
MMS-SUB-1100	Prep. & Sub. Combination Air Valve	Completed	\$0.00	\$0.00
MMS-SUB-1110	Review & Approval of Combination Air Valve	Completed	\$0.00	\$0.00
MMS-SUB-1120	Prep. & Sub. Flow Control Valve	Completed	\$0.00	\$0.00
MMS-SUB-1130	Review & Approval of Flow Control Valve	Completed	\$0.00	\$0.00
MMS-SUB-1140	Prep. & Sub. Pressure Relief Valve	Completed	\$0.00	\$0.00
MMS-SUB-1150	Review & Approval of Pressure Relief Valve	Completed	\$0.00	\$0.00
MMS-SUB-1160	Prep. & Sub. Strainer	Completed	\$0.00	\$0.00
MMS-SUB-1170	Review & Approval of Strainer	Completed	\$0.00	\$0.00
MMS-SUB-1180	Prep. & Sub. 100mm, 50mm Pipes	Completed	\$0.00	\$0.00
MMS-SUB-1190	Review & Approval of 100mm, 50mm Pipes	Completed	\$0.00	\$0.00
MMS-SUB-1200	Prep. & Sub. Gate Valve	Completed	\$0.00	\$0.00
MMS-SUB-1210	Review & Approval of Gate Valve	Completed	\$0.00	\$0.00
MMS-SUB-1220	Prep. & Sub. Pressure Reducing Valve	Completed	\$0.00	\$0.00
MMS-SUB-1230	Review & Approval of Pressure Reducing Valve	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Civil Material Submittals</b>				
CMS-SUB-1000	Prep. & Sub. Bedding Material	Completed	\$0.00	\$0.00
CMS-SUB-1010	Review & Approval of Bedding Material	Completed	\$0.00	\$0.00
CMS-SUB-1020	Prep. & Sub. Single Size Backfilling Material	Completed	\$0.00	\$0.00
CMS-SUB-1030	Review & Approval of Single Size Backfilling Material	Completed	\$0.00	\$0.00
CMS-SUB-1040	Prep. & Sub. Base Course	Completed	\$0.00	\$0.00
CMS-SUB-1050	Review & Approval of Base Course	Completed	\$0.00	\$0.00
CMS-SUB-1060	Prep. & Sub. Curbstone	Completed	\$0.00	\$0.00
CMS-SUB-1070	Review & Approval of Curbstone	Completed	\$0.00	\$0.00
CMS-SUB-1080	Prep. & Sub. Guard rail	Completed	\$0.00	\$0.00
CMS-SUB-1090	Review & Approval of Guard rail	Completed	\$0.00	\$0.00
CMS-SUB-1100	Prep. & Sub. Traffic Signs	Completed	\$0.00	\$0.00
CMS-SUB-1110	Review & Approval of Traffic Signs	Completed	\$0.00	\$0.00
CMS-SUB-1120	Prep. & Sub. Road Marking Paint	Completed	\$0.00	\$0.00
CMS-SUB-1130	Review & Approval of Road Marking Paint	Completed	\$0.00	\$0.00
CMS-SUB-1140	Prep. & Sub. Concrete Mix Design	Completed	\$0.00	\$0.00
CMS-SUB-1150	Review & Approval of Concrete Mix Design	Completed	\$0.00	\$0.00
CMS-SUB-1160	Prep. & Sub. Steel Reinforcement	Completed	\$0.00	\$0.00
CMS-SUB-1170	Review & Approval of Steel Reinforcement	Completed	\$0.00	\$0.00
CMS-SUB-1180	Prep. & Sub. Bituminous Cold Material	Completed	\$0.00	\$0.00
CMS-SUB-1190	Review & Approval of Bituminous	Completed	\$0.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
CMS-SUB-1200	Prep. & Sub. Manhole covers and frames	Completed	\$0.00	\$0.00
CMS-SUB-1210	Review & Approval of Manhole covers and frames	Completed	\$0.00	\$0.00
CMS-SUB-1220	Prep. & Sub. Pipe's supports	Completed	\$0.00	\$0.00
CMS-SUB-1230	Review & Approval of Pipe's supports	Completed	\$0.00	\$0.00
CMS-SUB-1240	Prep. & Sub. Manhole Rungs	Completed	\$0.00	\$0.00
CMS-SUB-1250	Review & Approval of Manhole Rungs	Completed	\$0.00	\$0.00
CMS-SUB-1260	Prep. & Sub. Asphalt Mix Design	Completed	\$0.00	\$0.00
CMS-SUB-1270	Review & Approval of Asphalt Mix Design	Completed	\$0.00	\$0.00
CMS-SUB-1280	Prep. & Sub. Prime Coat and Tack Coat	Completed	\$0.00	\$0.00
CMS-SUB-1290	Review & Approval of Prime Coat and Tack Coat	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Electrical Material Submittals</b>				
EMS-SUB-1000	Prep. & Sub. Pressure differential switches	Completed	\$0.00	\$0.00
EMS-SUB-1010	Review & Approval of Pressure differential switches	Completed	\$0.00	\$0.00
EMS-SUB-1020	Prep. & Sub. Pressure Transmitters	Completed	\$0.00	\$0.00
EMS-SUB-1030	Review & Approval of Pressure Transmitters	Completed	\$0.00	\$0.00
EMS-SUB-1040	Prep. & Sub. Magnetic flow-meters	Completed	\$0.00	\$0.00
EMS-SUB-1050	Review & Approval of Magnetic flow-meters	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Method Statement</b>				
MS-SUB-1000	Prep. & Sub. Pipeline installation method statement	Completed	\$0.00	\$0.00
MS-SUB-1010	Review & Approval of Pipeline installation method statement	Completed	\$0.00	\$0.00
MS-SUB-1020	Prep. & Sub. Sewer Pipe installation method statement	In Progress	\$0.00	\$0.00
MS-SUB-1030	Review & Approval of Sewer Pipe installation method statement	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01 Miscellaneous</b>				
MIS-SUB-1000	Prep. & Sub. Welding Procedure	Completed	\$0.00	\$0.00
MIS-SUB-1010	Review & Approval of Welding Procedure	Completed	\$0.00	\$0.00
MIS-SUB-1020	Prep. & Sub. Identification Tape	Completed	\$0.00	\$0.00
MIS-SUB-1030	Review & Approval of Identification Tape	Completed	\$0.00	\$0.00
MIS-SUB-1040	Prep. & Sub. Welding testing Labs	Completed	\$0.00	\$0.00
MIS-SUB-1050	Review & Approval of Welding testing Labs	Completed	\$0.00	\$0.00
MIS-SUB-1060	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	Completed	\$0.00	\$0.00
MIS-SUB-1070	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	Completed	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01-HA Procurement</b>				
PRO-1000	Order and delivery of 100 mm, 50mm Pipes	Completed	\$0.00	\$0.00
PRO-1010	Order and Delivery of Mechanical and Electrical Fittings	In Progress	\$0.00	\$0.00
PRO-1020	Order and Delivery of Sewer Pipes	In Progress	\$0.00	\$0.00
PRO-1030	Order and Delivery of Mechanical Valves VO 01	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>TO-15-01-HA Execution</b>				
<b>TO-15-01 Road Segment A</b>				
E-A-01	Implementation of Traffic Control Plan - Segment A	Completed	\$0.00	\$0.00
E-A-10	Maintain of Traffic Control Plan and Safety - Segment A	In Progress	\$0.00	\$0.00
<b>TO-15-01 Road Segment A - Left Hand Side</b>				
<b>TO-15-01 Installation of 100mm Pipe and chambers</b>				
E-A-15	Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A	Completed	\$97,950.00	\$97,950.00
E-A-22	Construction of 100 mm Washout Chamber at Station A 0+047	In Progress	\$600.00	\$540.00
E-A-24	Construction of 100 mm Air Release Valve Chamber at Station A 0+183	In Progress	\$480.00	\$432.00
E-A-26	Construction of 100 mm Isolation Valve Chamber at Station A 0+470	In Progress	\$1,000.00	\$900.00
E-A-30	Construction of 100 mm Washout Chamber at Station A 0+620	In Progress	\$600.00	\$540.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
E-A-32	Construction of 100 mm Air Release Valve Chamber at Station A 0+815	Not Started	\$480.00	\$0.00
E-A-65	Replacement of existing Chamber at Segment A (Pre Cast)	Not Started	\$480.00	\$0.00
E-A-65a	Connection to the existing water pipeline DN50	Not Started	\$1,800.00	\$0.00
<b>Subtotal</b>			<b>\$103,390.00</b>	<b>\$100,362.00</b>
<b>TO-15-01 Widening of left hand side of existing Road</b>				
E-A-25	Excavation for widening of left hand side of existing Road From Station A 0+200 to Station A 1+056	In Progress	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$103,390.00</b>	<b>\$100,362.00</b>
<b>TO-15-01 Road Segment A - Right Hand Side</b>				
<b>TO-15-01 Widening of Right hand side of existing Road</b>				
E-A-75	Excavation for widening of Right hand side of existing Road From Station A 0+200 to Station A 1+056	In Progress	\$26,954.33	\$25,606.62
<b>Subtotal</b>			<b>\$26,954.33</b>	<b>\$25,606.62</b>
<b>TO-15-01 Concrete Work</b>				
E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max	Not Started	\$35,900.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$35,900.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$62,854.33</b>	<b>\$25,606.62</b>
<b>TO-15-01 Asphaltting – Milling &amp; Overlay</b>				
E-A-91	Milling of the existing road - segment A from station 0+000 to Station 0+200	Not Started	\$4,000.00	\$0.00
E-A-94	Asphalt Wearing Course Layer for road segment A from station 0+000 to Station 0+200	Not Started	\$28,800.00	\$0.00
E-A-95	Road Marking and Traffic Signs	Not Started	\$17,600.00	\$0.00
E-A-96	Cleaning of existing pipe culvert at station A0+053	Not Started	\$1,800.00	\$0.00
E-A-97	Sidewalk from Station A 0+200 to Station A 0+260	Not Started	\$2,800.00	\$0.00
E-A-98	Stone work from Station A 0+415 to Station A 0+430, and from Station A 0+740 to Station A 0+780	Not Started	\$6,400.00	\$0.00
<b>Subtotal</b>			<b>\$61,400.00</b>	<b>\$0.00</b>
<b>TO-15-01 New Items VO 01</b>				
VO-1.2	Sub grade preparation including removal of existing asphalt layer from Station A 0+200 to Station A 1+056	Not Started	\$16,400.00	\$0.00
VO-1.2-1	Base course for Road segment from Station A 0+200 to Station A 1+056	Not Started	\$34,170.00	\$0.00
VO-1.2-2	Asphalt Binder Course Layer for road segment A from station	Not Started	\$71,475.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
VO-A-1.1.1.a	Construction of Hebron WWTP Service connection Chamber	Not Started	\$9,367.68	\$0.00
VO-A-1.1.1.b	Construction of 100 mm QELQES Service connection Chamber at Station A 0+990	In Progress	\$11,919.20	\$10,727.28
VO-A-1.1.2	Construction of 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	Not Started	\$9,427.76	\$0.00
<b>Subtotal</b>			<b>\$152,759.64</b>	<b>\$10,727.28</b>
<b>Subtotal</b>			<b>\$380,403.97</b>	<b>\$136,695.90</b>
<b>TO-15-01 Road Segment B</b>				
E-B-100	Implementation of Traffic Control Plan - Segment B	Completed	\$0.00	\$0.00
E-B-105	Maintain of Traffic Control Plan and Safety - Segment B	In Progress	\$0.00	\$0.00
<b>TO-15-01 Road Seg. B from Station 0+000 to Station 0+230</b>				
E-B-110	Excavation / Cut to specified level from station B0+000 to Station B0+230	Completed	\$31,955.00	\$31,955.00
E-B-112	Subgrade preparation for road segment from station B0+000 to Station B0+230	In Progress	\$0.00	\$0.00
E-B-115	Basecourse layer (20 cm) from station B0+000 to Station B0+230	In Progress	\$12,750.00	\$3,825.00
E-B-219	Road Embankment / Fill to specified level from station B0+000 to Station B0+230	In Progress	\$43,725.00	\$30,607.50
<b>TO-15-01 Installation of 50mm Pipe and chambers</b>				
E-B-120	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B	In Progress	\$15,314.00	\$13,782.60

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$15,314.00</b>	<b>\$13,782.60</b>
<b>TO-15-01 Concrete Work</b>				
E-B-135	Construction of Reinforced Concrete Wall from Station B0+034 to Station B0+100 H=2.0m Max	Completed	\$46,941.55	\$46,941.55
E-B-189	Construction of Reinforced Concrete Wall from Station B0+100 to Station B0+150 H=2.0m Max	Completed	\$30,596.35	\$30,596.35
E-B-194	Construction of Reinforced Concrete Wall from Station B0+150 to Station B0+200 H=2.0m Max	Completed	\$30,187.60	\$30,187.60
E-B-199	Construction of Reinforced Concrete Wall from Station B0+200 to Station B0+230 H=2.0m Max	Not Started	\$18,623.70	\$0.00
<b>Subtotal</b>			<b>\$126,349.20</b>	<b>\$107,725.50</b>
<b>TO-15-01 Box Culvert at Station 0+020</b>				
E-B-136	Structural Excavation to specified level for Box Culvert	Completed	\$4,629.00	\$4,629.00
E-B-137	Basecourse first layer (20 cm) for Box Culvert	Completed	\$1,224.00	\$1,224.00
E-B-138	Basecourse Second layer (20 cm) for Box Culvert	Not Started	\$1,224.00	\$0.00
E-B-139	Basecourse Third layer (20 cm) for Box Culvert	Not Started	\$1,224.00	\$0.00
E-B-140	Bliding Concrete for Box Culvert	Not Started	\$4,541.50	\$0.00
E-B-141	formwork, rebar and cast in place of Box Culvert Base slab	Not Started	\$14,150.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
E-B-142	formwork, rebar and cast in place of walls of Box Culvert Base	Not Started	\$51,850.00	\$0.00
E-B-143	formwork, rebar and cast in place of roof slab of Box Culvert	Not Started	\$14,255.30	\$0.00
E-B-144	formwork, rebar and cast in place of boundary wall of Box Culvert	Not Started	\$12,075.00	\$0.00
<b>Subtotal</b>			<b>\$105,172.80</b>	<b>\$5,853.00</b>
<b>Subtotal</b>			<b>\$335,266.00</b>	<b>\$193,748.60</b>
<b>TO-15-01 Road Seg. B from Station 0+230 to Station 0+983</b>				
E-B-149	Excavation / Cut to specified level from station B0+230 to Station B0+983	In Progress	\$53,140.67	\$50,483.63
E-B-149A	Road Embankment to specified level from station B0+230 to Station B0+983	In Progress	\$80,025.00	\$76,023.75
E-B-150	Subgrade Preparation for road segment B from station B0+230 to Station B0+983	In Progress	\$0.00	\$0.00
E-B-179	Basecourse layer (20 cm) from station B0+230 to Station B0+983	In Progress	\$31,008.00	\$3,100.80
<b>TO-15-01 Installation of 50mm Pipe</b>				
E-B-154	Excavation, Bedding, Installation and Backfilling of 50mm pipelines from station B0+230 to Station B0+983	In Progress	\$46,686.00	\$44,351.70
<b>Subtotal</b>			<b>\$46,686.00</b>	<b>\$44,351.70</b>
<b>TO-15-01 Pipe Culvert</b>				

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
E-B-174	Construction of Pipe Culvert at Station B0+415 1000mm length 10 m	Not Started	\$6,250.00	\$0.00
E-B-184	Construction of Pipe Culvert at Station B0+970 1000mm length 16.5m	Not Started	\$9,400.00	\$0.00
<b>Subtotal</b>			<b>\$15,650.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$226,509.67</b>	<b>\$173,959.88</b>
<b>TO-15-01 Sewer Trunk Line</b>				
<b>TO-15-01 Installation of Sewer trunk line from Station 0+000 to Station 0+140</b>				
E-S-10	Excavation for trunk line from Station 0+000 to Station 0+140 including Manholes	Not Started	\$16,900.00	\$0.00
E-S-15	Bedding for trunk line from Station 0+000 to Station 0+140	Not Started	\$0.00	\$0.00
E-S-20	Installation of trunk line from Station 0+000 to Station 0+140	Not Started	\$202,500.00	\$0.00
E-S-25	Backfilling of trunk line from Station 0+000 to Station 0+140	Not Started	\$12,838.00	\$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	Not Started	\$31,450.00	\$0.00
<b>Subtotal</b>			<b>\$263,688.00</b>	<b>\$0.00</b>
<b>TO-15-01 Installation of Sewer trunk line from Station 0+140 to Station 0+280</b>				
E-S-35	Excavation for trunk line from Station 0+140 to Station 0+280 including Manholes	Not Started	\$13,180.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
E-S-40	Bedding for trunk line from Station 0+140 to Station 0+280	Not Started	\$0.00	\$0.00
E-S-45	Installation of trunk line from Station 0+140 to Station 0+280	Not Started	\$202,500.00	\$0.00
E-S-50	Backfilling of trunk line from Station 0+140 to Station 0+280	Not Started	\$10,800.00	\$0.00
E-S-55	Construction of Manhole for trunk line from Station 0+140 to Station 0+280 (MH 06 and 07)	Not Started	\$10,960.00	\$0.00
<b>Subtotal</b>			<b>\$237,440.00</b>	<b>\$0.00</b>
<b>TO-15-01 Installation of Sewer trunk line from Station 0+280 to Station 0+420</b>				
E-S-60	Excavation for trunk line from Station 0+280 to Station 0+420 including Manholes	Not Started	\$8,520.00	\$0.00
E-S-65	Bedding for trunk line from Station 0+280 to Station 0+420	Not Started	\$0.00	\$0.00
E-S-70	Installation of trunk line from Station 0+280 to Station 0+420	Not Started	\$202,500.00	\$0.00
E-S-75	Backfilling of trunk line from Station 0+280 to Station 0+420	Not Started	\$6,810.00	\$0.00
E-S-80	Construction of Manhole for trunk line from Station 0+280 to Station 0+420 (MH 08, 09 and 10)	Not Started	\$15,390.00	\$0.00
<b>Subtotal</b>			<b>\$233,220.00</b>	<b>\$0.00</b>
<b>TO-15-01 Installation of Sewer trunk line from Station 0+420 to Station 0+560</b>				
E-S-085	Excavation for trunk line from Station 0+420 to Station 0+560 including Manholes	Not Started	\$6,520.00	\$0.00
E-S-090	Bedding for trunk line from Station 0+420 to Station 0+560	Not Started	\$0.00	\$0.00
E-S-095	Installation of trunk line from Station 0+420 to Station 0+560	Not Started	\$202,500.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
E-S-100	Backfilling of trunk line from Station 0+420 to Station 0+560	Not Started	\$4,808.00	\$0.00
E-S-105	Construction of Manhole for trunk line from Station 0+420 to Station 0+560 (MH 11, 12 and 13)	Not Started	\$19,920.00	\$0.00
E-S-115	Breaking into existing sewer manhole and Diversion of wadi	Not Started	\$3,500.00	\$0.00
E-S-125	Replacement of the existing sewer Manhole MH 14	Not Started	\$7,500.00	\$0.00
E-S-135	Reinstatement of existing sewer manhole	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$244,748.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$979,096.00</b>	<b>\$0.00</b>
<b>TO-15-01 Asphaltting</b>				
E-A-145	Asphalt Binder Course layer for road segment B	Not Started	\$147,765.00	\$0.00
E-A-155	Road Guard rail, Traffic Signs and Marking	Not Started	\$68,290.00	\$0.00
<b>Subtotal</b>			<b>\$216,055.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$1,756,926.67</b>	<b>\$367,708.48</b>
<b>TO-15-01 Mechanical and Electrical Installation and Testing for Seg. A and B</b>				
E-A-105	Mechanical valves Installation	Not Started	\$55,681.96	\$0.00
E-A-115	Water and Sewer Pipe line Testing	Not Started	\$10,990.00	\$0.00
E-A-165	Site inspection / Start up and Training	Not Started	\$3,000.00	\$0.00

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<b>Subtotal</b>			<b>\$69,671.96</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$2,207,002.60</b>	<b>\$504,404.38</b>
<b>Subtotal</b>			<b>\$2,207,002.60</b>	<b>\$504,404.38</b>
<b>TO-15-01-HAR-F Post Construction Phase</b>				
A1000	Demobilization Summary	Not Started	\$23,321.00	\$0.00
<b>TO-15-01-HA Post Construction Submittals</b>				
POST-CS1000	Warranties	Not Started	\$0.00	\$0.00
POST-CS1010	Inspection and Handover - Final Acceptance Certificate	Not Started	\$0.00	\$0.00
POST-CS1020	Final Report	Not Started	\$0.00	\$0.00
POST-CS1030	Operation and Maintenance O&M Manual	Not Started	\$3,000.00	\$0.00
POST-CS1040	As-Built Drawings	Not Started	\$0.00	\$0.00
POST-CS1050	Spare Parts	Not Started	\$0.00	\$0.00
POST-CS1060	Release of Liens and Waiver of Debts and Claims letter	Not Started	\$0.00	\$0.00
POST-CS1070	Preparation of Final Payment	Not Started	\$0.00	\$0.00
POST-CS1080	Training Completion Documents	Not Started	\$0.00	\$0.00
POST-CS1090	Clearance Certificate from Local Authorities	Not Started	\$0.00	\$0.00
<b>Subtotal</b>			<b>\$3,000.00</b>	<b>\$0.00</b>
<b>Subtotal</b>			<b>\$26,321.00</b>	<b>\$0.00</b>

**AC-02 Activity Costs**

**WBS**

Activity ID	Activity Name	Activity Status	BL Total Cost	Actual Total Cost
<hr/>				
	<b>Subtotal</b>		<b>\$2,326,607.60</b>	<b>\$597,688.38</b>
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	<b>Subtotal</b>		<b>\$2,326,607.60</b>	<b>\$597,688.38</b>
<hr/>				
	<b>Subtotal</b>		<b>\$2,326,607.60</b>	<b>\$597,688.38</b>
<hr/>				
	<b>Subtotal</b>		<b>\$2,326,607.60</b>	<b>\$597,688.38</b>
<hr/>				
	<b>Total</b>		<b>\$2,326,607.60</b>	<b>\$597,688.38</b>