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MONTHLY PROGRESS REPORT

Task Order No. AID-294-TO-17-00001

Karma Water Project

August 2018





Monthly Progress Report #010

Local Construction Program (LCP)

Contract No. 294-I-00-13-00003

Task Order No. AID-294-TO-17-00001

From August 01, 2018 to August 31, 2018

Prepared by Arab Brothers

DISCLAIMER

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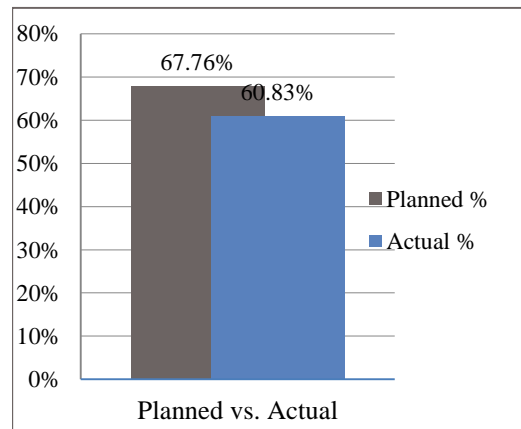
List of Abbreviations

ABC	Arab Brothers Construction & Infrastructure Group
BCI	Baranci Communication International
BODR	Basis of Design Report
CMC	Construction Management Contractor
CM	Contract Modification
CO	Contracting Officer
COR	Change Order Request
CPM	Critical Path Method
DJR	Daily Joint Report
ECL	Environmental Checklist
FTE	Full Time Equivalent
IR	Inspection Request
KAR	Karma Water Project
LC	Local Council
LCP	Local Construction Program
MOD	Modification
NCR	Non Compliance Report
NUC	Notice of Unsafe Conditions
O&M	Operation & Maintenance
PWA	Palestinian Water Authority
PCBS	Palestinian Central Bureau of Statistics
RFI	Request for Information
ROW	Right of Way
RW	Retaining Wall
SM	Site Memorandum
SSS	Star Steel Structure Company
STBM	Safety Tool Box Meeting
SUB	Submittal
TOCOR	Task Order Contracting Officer Representative
USAID	United States Agency for International Development
USG	United States Government



1. TASK ORDER OVERVIEW

Task Order Name	Karma Water Project
Background	<p>Local Construction Program (LCP) implements small and medium-scale infrastructure activities resulting in safer roads, better schools, better health clinics, and improved access to water and sanitation services for Palestinians. Program goals include improving the daily lives of the Palestinians through improved infrastructure across multiple sectors and strengthening the capacity of the Palestinian infrastructure sector.</p> <p>Karma village suffers from the absence of piped-water schemes and resources. More than 99% of the people in the village have no access to tap water. Currently, Karma people rely on purchasing water from expensive tanker trucks because they lack connection to water system. Karma Water Project will provide Karma Community with access to tap water by connecting the new water system to Abu Ushush Bulk Reservoir through the existing 8” pipeline on Road 60.</p>
Project Objective	The project will provide Karma Village with a new water system for the first time. The construction of the new reservoir, new transmission pipeline and new distribution network will connect the Village to clean potable water in their homes for the first time and will bring clean potable water at an affordable price for people who never had such access to clean potable water. Also, it will allow PWA to improve water service to meet future demand of the bulk customers.
Statement of Work	<p>The project scope of work consists of the below:-</p> <ol style="list-style-type: none"> 1. Construction of New Karma Elevated Reservoir with a capacity of 500m³. 2. Construction of New Karma Main Transmission Pipelines, approximately 0.30 km. 3. Construction of New Karma Distribution Network Pipelines, approximately 8.00 km. 4. Construction of New House Connections, 370.00 units
Location	Karma Village, Hebron Governorate
Owner	Palestinian Water Authority (PWA)
Donor and Client	United States Agency for International Development (USAID)
USAID TOCOR	Ms. Sonia Massis
CMC	AECOM
Construction Contractor	Arab Brothers Construction & Infrastructure Group (ABC)
Notice of Award	August 31, 2017
Notice to Proceed	October 23, 2017
Post Award Meeting	November 02, 2017
Start of Construction	December 10, 2017
Contract Value	\$2,693,673.87
Original BOQ Price	\$2,393,673.87
Original Day Work Amount	\$300,000.00
Original Project Duration	315 Calendar Days
Original Completion Date	September 02, 2018
Modified BOQ Price (MOD #003)	\$2,462,495.70
Modified Day Work Amount (MOD #003)	\$231,178.17
Modified Project Duration (MOD #003)	374 Calendar Days
Modified Completion Date (MOD #003)	October 31, 2018
Contract Elapsed Time	83.69% (313 Days)
Planned % of Completion	67.76%*
Actual %e of Completion	60.83%*
Float	-15 days*
No. of Beneficiaries	1,923 Person



*The revised CPM schedule will be submitted to CMC shortly



Task Order's Key Personnel

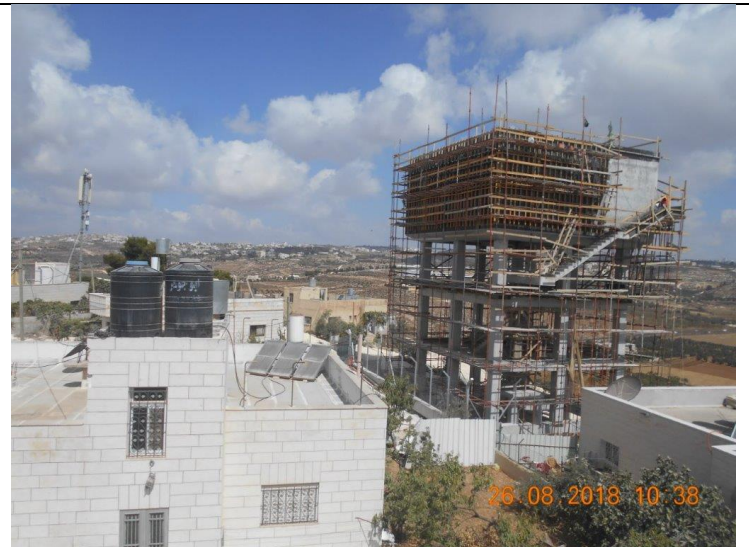
The below table summarizes the approved Task Order's Key Personnel. Refer to Annex A for USAID Approval Letters.

No.	Key Personnel	Name	Status	Approval Date	Work Start Date
1	Task Order Manager	Mohammad Halayka	Approved	Nov 07, 2017	Nov 04, 2017
2	Quality Control Manager	Motasem Abu Rayyan	Approved	Oct 27, 2017	Nov 01, 2017
3	Safety & Environmental Compliance Officer	Ibrahim Nasser	Approved	Oct 27, 2017	Nov 01, 2017
4	Project Engineer	Nidal Abu Arqoob	Approved	Oct 27, 2017	Nov 23, 2017

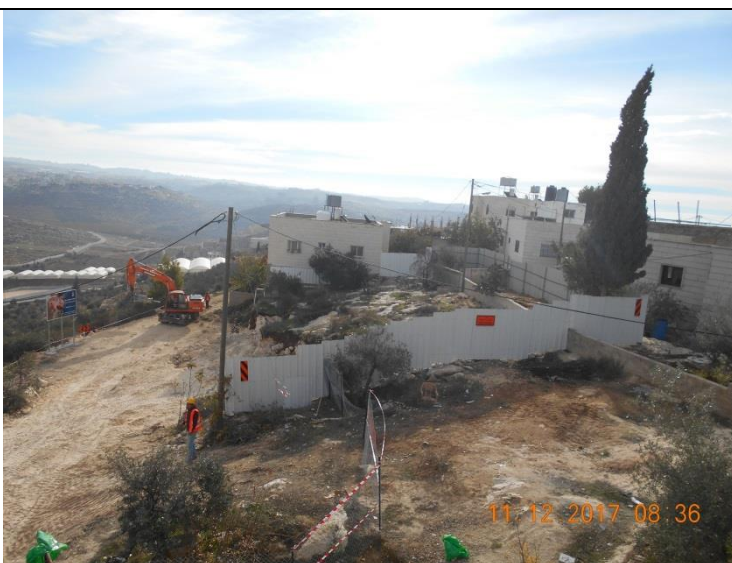
Vantage Photos



Vantage Photo #01 - Before



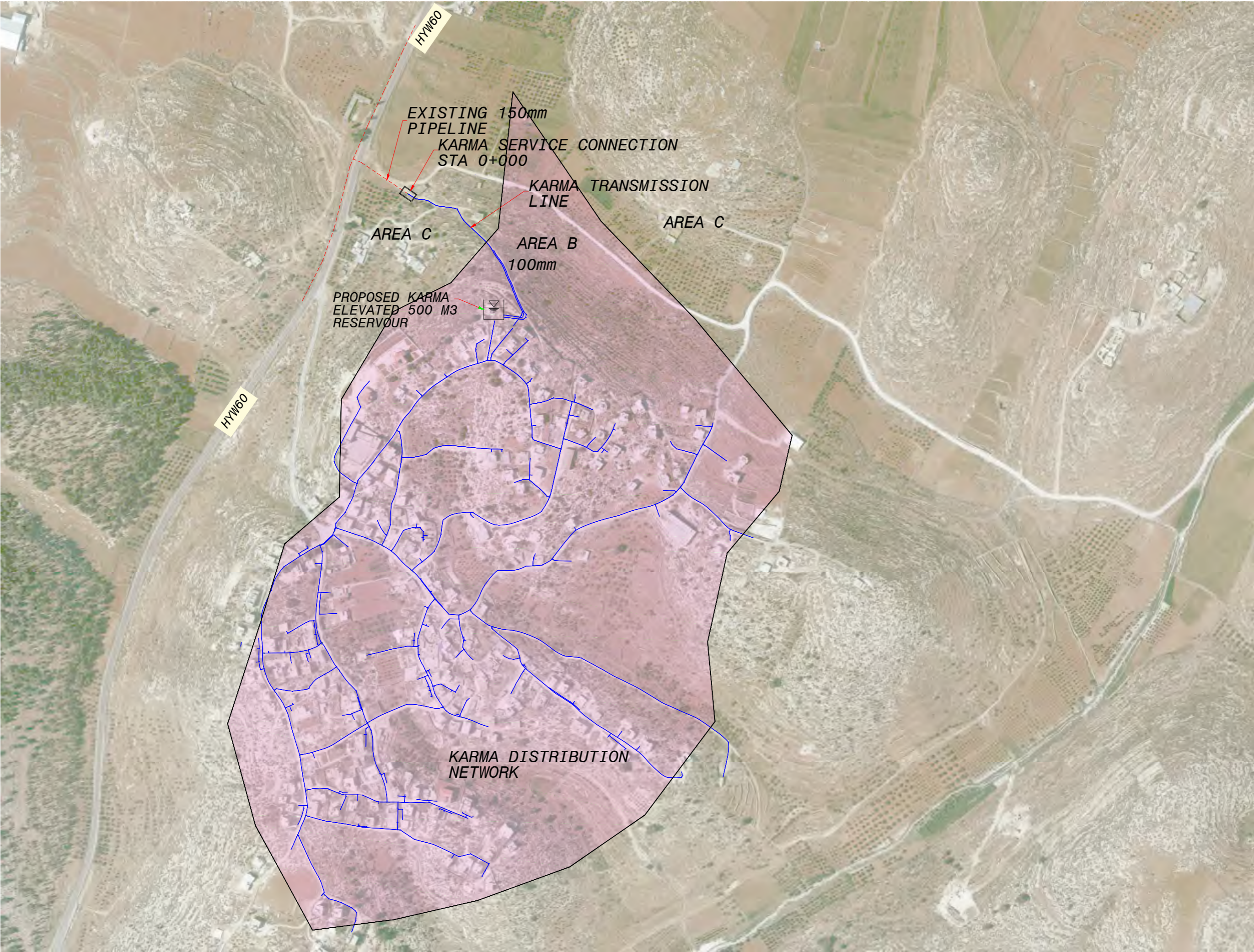
Vantage Photo #01 - During



Vantage Photo #02 - Before



Vantage Photo #02 - During



HYW60

EXISTING 150mm
PIPELINE
KARMA SERVICE CONNECTION
STA 0+000

KARMA TRANSMISSION
LINE

AREA C

AREA C

AREA B
100mm

PROPOSED KARMA
ELEVATED 500 M3
RESERVOIR

HYW60

KARMA DISTRIBUTION
NETWORK



2. SAFETY STATUS.

The Safety Plan was submitted to CMC on November 01, 2017. Response was received on November 14, 2017 with code B. ABC resubmitted the revised submittal on November 20, 2017. CMC accepted the submittal on November 21, 2017. Updated Safety Plans are being submitted by ABC on monthly basis as work progresses.

The Safety Plan includes all necessary measures to ensure compliance with safety and health requirements, assist the project personnel in planning, organizing, control monitoring and implementation of corrective measures which are necessary to prevent exposures that could cause injury, accidents or negative environmental consequences. During this reporting period, the following safety measures were taken:

- Provide all required PPE's to labors and employees.
- Conduct safety tool box meetings for labors and employees.
- Provide first aid kit, fire extinguisher and emergency numbers at site.
- Check on all equipment and perform regular maintenance for them.
- Make sure that equipment is provided with reverse alerts.
- Perform regular maintenance for safety and traffic control signs.
- Flagmen are stationed to provide directions for road users on daily basis.
- Implement safety measures during pipelines and house connections' excavation, installation and backfilling such as providing PPE's, barriers, safe access, access bridges, temporary traffic and control signs, etc.
- Implement safety measures during chambers' installation such as providing concrete barriers, fence, etc.
- Implement safety measures during mechanical fittings' installation.
- Implement safety measures during applying external protective coating for chambers such as providing PPE's, gloves, masks, etc.
- Move surplus materials and excavation residues to the approved dumpsite.
- Implement safety measures during casting concrete for the reservoir's walls and roof slab such as providing PPE's, rebar protective caps, safe access, clear space around work area, etc.



Photo #001 - STBM conducted on August 04, 2018



Photo #002 - STBM conducted on August 26, 2018

Accidents' Status: Total of One (1) minor accident was reported up to this reporting period. No accidents were reported during this reporting period.

Notice of Unsafe Conditions: Total of One (1) NUC was received up to this reporting period. No NUCs were received during this reporting period.

Safety Tool Box Meetings: Total of Thirty One (31) STBMs were conducted up to this reporting period. Three (3) STBMs were conducted during this reporting period as summarized below:

No.	STBM No.	Date	Location	Topics Discussed
1	STBM #29	August 04, 2018	Network's Site	Safety measures during working in chambers and confined space
2	STBM #30	August 15, 2018	Network's Site	Safety measures during working in chambers and confined space
3	STBM #31	August 26, 2018	Reservoir's Site	Safety measures during concrete casting, formwork and work at the scaffolding



3. TRAFFIC PLAN AND MEASURES.

The Traffic Control Plan was submitted to CMC on November 12, 2017. Response was received on November 16, 2017 with code D. ABC resubmitted the revised submittal on November 20, 2017. CMC accepted the submittal on November 21, 2017. The Traffic Control Plan was stamped by Hebron Traffic Department and Karma Local Council.

The Traffic Control Plan was developed to provide safety for pedestrians, drivers, labors, staff and equipment. The plan includes the location of temporary traffic signs, road marking, speed reduction measures and separation barriers, in addition to the proposed detours and diversions to maximize motorists, pedestrians, and work crew safety. Each person whose actions affect the traffic control zone safety, from the staff through the field workers, received training appropriate to the job decisions that each individual is required to make. Prior to starting any construction activity at the sites, ABC plans for a toolbox talk with the labors to discuss the traffic control for the construction zone before work begins. ABC makes sure that road users and locals are informed of construction activities through an advanced warning area where the required warning signs are installed. Flagmen are stationed to provide directions and control the movement of road users. Barricades, signage, access bridges and pedestrian foot path are provided.

Also, the traffic control for the internal work activity is maintained to minimize backing-up maneuvers of construction vehicles and minimize the exposure to risk. Separation of moving equipment and construction vehicles from labors on foot is maintained to provide the operators of these vehicles with a greater separation clearance and improved sight distance to minimize exposure to the hazards of moving vehicles and equipment. After the work is completed, the site is restored to its original shape, all traffic control measures are removed and the roads are open to locals.

4. MITIGATION, MONITORING AND ENVIRONMENTAL COMPLIANCE.

The Environmental Monitoring and Mitigation Plan was submitted to CMC on November 12, 2017. CMC accepted the submittal on November 14, 2017. Updated Environmental Monitoring and Mitigation Plans are being submitted by ABC on monthly basis as work progresses. The Environmental Monitoring & Mitigation Plan defines the responsibilities of ABC in performing the required mitigations in protecting the environment and set out a framework for performing these responsibilities. This plan complies with the Local Palestinian Law and with USAID Environmental Compliance Procedures 22CFR216. The plan includes all the necessary actions need to be taken including institutional strengthening needs, capacity building and training and project documentation.

Several environmental mitigation measures were implemented regularly and on daily basis during this reporting period such as, housekeeping and dust control, removal and disposal of excess excavated material to the approved dumpsite.

ABC received July Environmental Checklist on August 01, 2018. The ECL included the below comments:

- 1- Perform regular housekeeping and cleaning along the site.
- 2- Remove concrete barriers from private lands.
- 3- Remove waste materials and construction debris to the approved dump site.

Below table summarizes the ECLs' status during this reporting period:

No.	ECL No.	Description	Received Date	Correction Date	Status
1	ECL #07	Environmental Checklist #07 – July 2018	August 01, 2018	August 26, 2018	Closed

5. CONSTRUCTION RISK MANAGEMENT.

The Construction Risk Management Plan was submitted to CMC on November 12, 2017. CMC accepted the submittal on November 27, 2017. Updated Construction Risk Management Plans are being submitted by ABC on monthly basis as work progresses.

The Construction Risk Management Plan established a pre-construction base-line for conditions on and immediately adjacent to the work sites to monitor the current conditions against the established base-line values. The base-line was established by survey confirmation, vertical alignment of structures and associated features such as signs and lights and a visual recording by photographic and/or videography means. The survey data was recorded in the project analysis forms for record purposes.

The Construction Risk Management Plan identifies and manages risks as opportunities or threats to the project objectives. Risk management aims to maximize the results of positive events (opportunities) and minimize the consequences of adverse events (threats). Identification and management of risks are required to provide assurance to key stakeholders that the project will achieve its goals. Certainty of outcome increases, through reduction in risk exposure, as the project progresses. During this reporting period, no major issues were identified at site.



6. COMMUNITY OUTREACH.

Prior starting any construction activities at site, ABC field team conducts regular door to door visits to the people adjacent to the construction to explain the positive impacts of the project upon completion, what to expect (work hours, type of work, nuisance duration if any, etc.), actions to mitigate nuisances, where to get more information, and how to voice requests. ABC will continue raising the public awareness, keep them safe and keep the designated people responsible for the project safety alerted to prevent encountering any accidents. Refer to Annex B for the draft Flyer.

7. MEETINGS AND COORDINATION ACTIVITIES.

The below table summarizes the meetings and coordination activities carried out during this reporting period:

No.	Date	Subject	Topics Discussed	Attendees	Venue
1	August 12, 2018	Coordination Meeting	Determine the locations of needed walls for installation of prepaid water meters.	ABC AECOM Karma LC	Karma Site
2	August 15, 2018	Coordination Meeting	Arrangement with Karma local council and joint council for services-rural Dura 4" transmission pipeline was connected with the existing 6" pipeline.	ABC AECOM Karma LC	Karma Site
3	August 16, 2018	Progress Meeting	Safety and environmental, reservoir's walls: concrete defect, finishing works for chambers, handrail fabrication, mechanical works inside chambers, pipelines' testing and trench reinstatement activities, revised CPM and payment #008.	USAID* ABC AECOM	CMC Field Office/Karma
4	August 19, 2018	Coordination Meeting	Assurance of safety and housekeeping before Eid Al Adha holiday and contact persons in case of emergency situations.	ABC Karma LC	Karma Site
5	August 30, 2018	Coordination Meeting	Source of water for reservoir leakage test.	ABC AECOM Karma LC	Karma Site

*USAID TOCOR joined the meeting via conference call.

8. SITE VISITS.

The below table summarizes the site visits conducted during this reporting period:

No.	Date	Subject	Visitors	Location
1	August 30, 2018	Site Visit	USAID TOCOR – Ms. Sonia Massis USAID COR – Rami Abu Ktaish	Karma Site

9. GENDER ACTION PLAN PROGRESS.

All employment and man power data were disaggregated in daily joint reports to reflect gender. ABC provided sanitary facilities and facilitated the sites for females. The following table shows the number of working hours for female employees as detailed in the daily joint reports during the current reporting period:

No.	Female Person of Employment	No. of Working Hours during this Reporting Period
1	Previous Cumulative Female Person of Employment	3,532.00
2	Female Person of Employment for Current Month	510.00
3	Cumulative Female Person of Employment	4,042.00



10. PROGRESS AND SCHEDULING.

➤ CPM Construction Schedule.

The project original CPM schedule was submitted to CMC on November 28, 2017. Response was received on December 12, 2017 with Code C. ABC resubmitted the revised submittals on December 27, 2017 (Code C), January 04, 2018 (Code B) and February 01, 2018 (Code B). ABC resubmitted a revised CPM schedule to reflect modification #02 on April 29, 2018, CMC accepted the submittal on May 16, 2018 (Code A). Refer to Annex G for Submittal's Log.

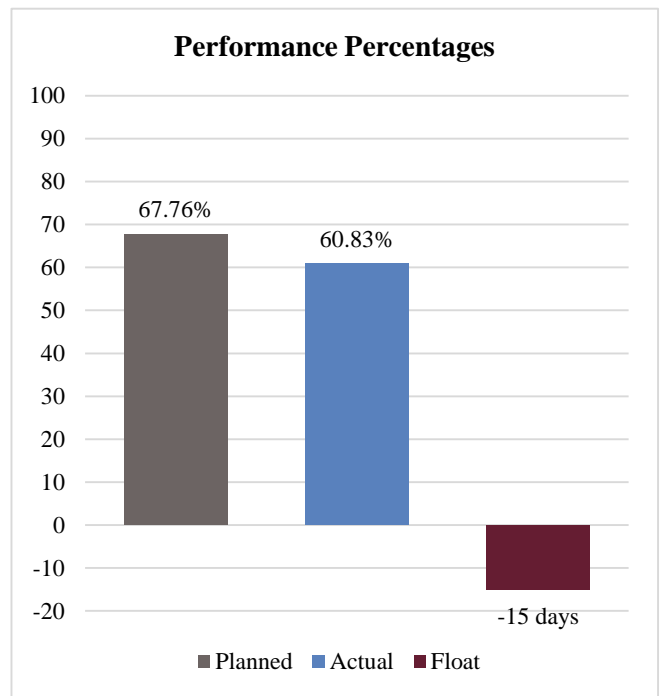
Also, ABC is working on submitting a revised CPM schedule capturing modification #03. Refer to Annex C for August CPM Update and to Annex G for Submittal log where more details are provided for the CPM Monthly Updates.

➤ Activity % of Completion

No.	Activity	% of Completion
1	Mobilization	100.00%
2	Submittals	87.00%
3	Procurement	95.00%
4	Karma Reservoir	66.81%
5	Transmission Pipeline	77.68%
6	Distribution Network	88.31%
7	O&M, Inspection, Commissioning, Start Up and Training	20.00%

➤ Overall % of Completion

No.	Item Description	% of Completion
1	Planned	67.76% *
2	Actual	60.83% *
3	Float	-15 days*

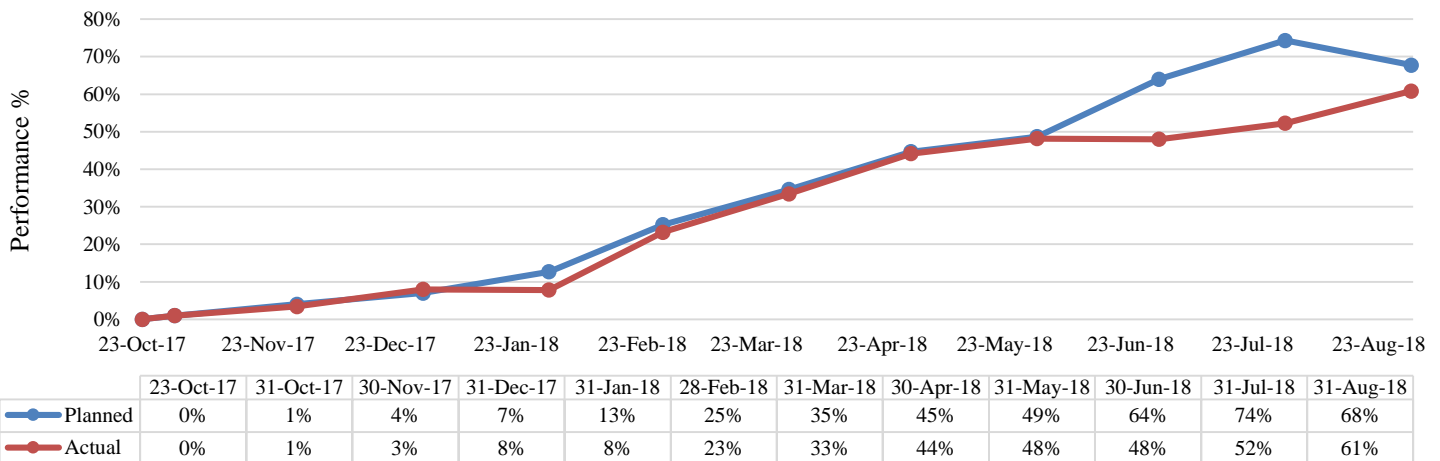


*The revised CPM schedule will be submitted to CMC shortly

The negative float is driven by the procurement of the electromagnetic flow meters, in addition the following activities are delayed:

- 1- Construction works including mechanical works inside chambers, pipelines' testing and trench reinstatement activities for karma transmission pipelines and networks.
- 2- Procurement of roof hatches, manholes' covers, prepaid water meter and pressure transmitter.

Task Order Planned vs. Actual





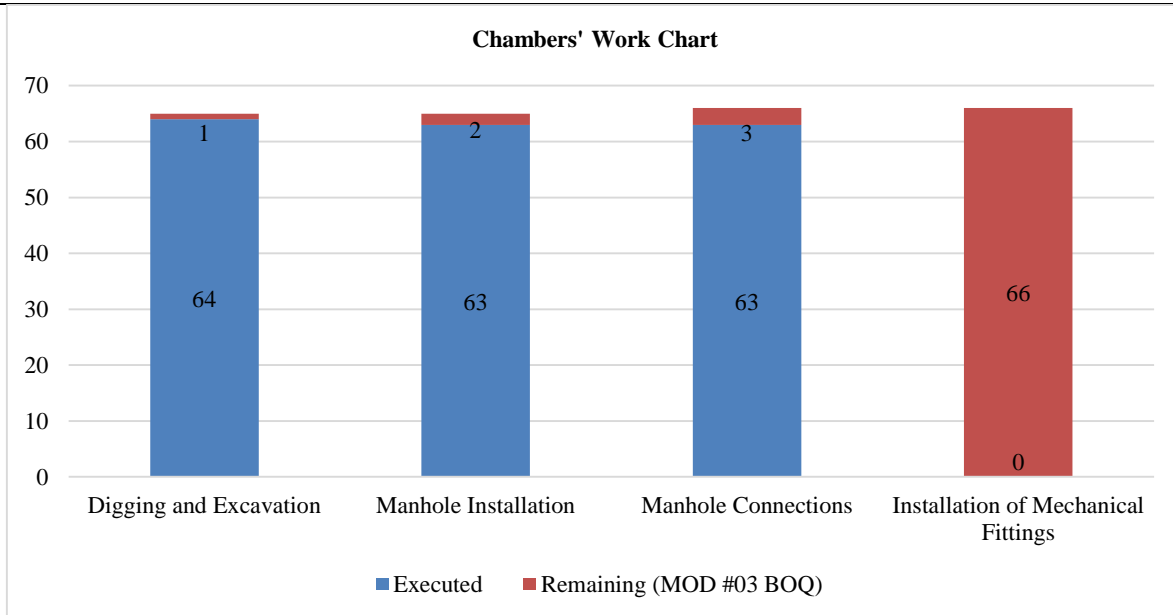
➤ **Activities during this Reporting Period:**

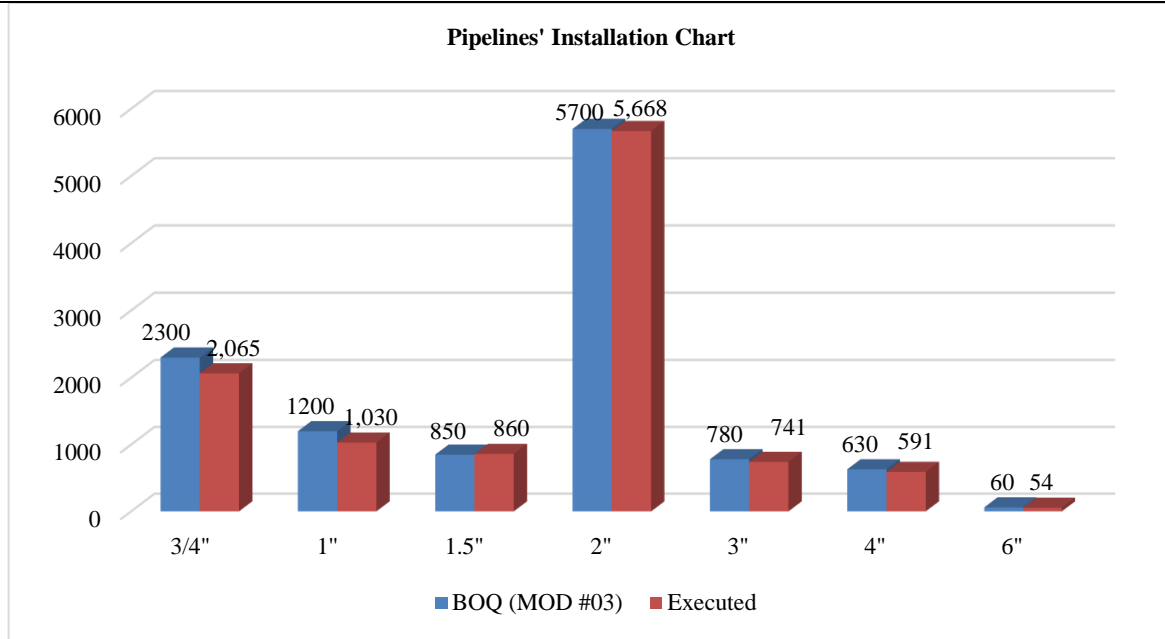
✚ **General:**

- 1- Continue submitting preliminary O&M manuals and training submittals.
- 2- Continue preparation and submitting of shop drawings and material submittals.
- 3- Continue conducting coordination meetings with concerned parties and local authorities.
- 4- Continue implementation of traffic safety measures, housekeeping and dust control.
- 5- Continue delivery of valves and fittings.

✚ **Network's Site:**

- 1- Finish isolation of the precast manholes.
- 2- Finish installation for 2" and 3" pipelines at KAR-6 & KAR-3.
- 3- Finish connection and backfilling for the 2" gate valve manholes.
- 4- Finish excavation and installation of 3" and 4" washout and air vent manholes.
- 5- Finish installation of 2" pipelines at KAR-19.
- 6- Finish concrete works of urban washouts.
- 7- Continue supplying bedding materials, backfilling materials and precast manholes.
- 8- Continue excavation, bedding, installation and backfilling for the 3/4" house connections.
- 9- Continue excavation, bedding, installation and backfilling for the 1" house connections.
- 10- Continue excavation, bedding, installation and backfilling for the 1.5" future connections.
- 11- Continue installation of 3" and 4" pipelines at KAR-1 and KAR-2.
- 12- Continue connections between the distribution network pipelines.
- 13- Continue excavation and installation of 3" gate valve manholes.
- 14- Continue neck extension work for manholes.
- 15- Start installation of mechanical fittings inside service main connection chamber.
- 16- Start repairing works inside manholes.
- 17- Start painting of fittings and pipes inside manholes.
- 18- Below charts provide status update for pipelines installation and chambers' work.





Reservoir's Site:

- 1- Finish formwork, steel bar fixing and casting concrete for reservoir's staircase.
- 2- Finish erecting scaffolding system for the reservoir construction works.
- 3- Finish formwork, steel reinforcements and casting concrete for reservoir's walls and top slab.
- 4- Continue backfilling behind eastern retaining wall with single size.
- 5- Start electrical works.

Planned Activities for Next Month:

General:

- 1- Continue submitting preliminary O&M manuals and training submittals.
- 2- Continue preparation and submitting of shop drawing and material submittals.
- 3- Continue conducting coordination meetings with concerned parties and local authorities.
- 4- Continue implementation of traffic safety measures.
- 5- Continue delivery of valves and fittings.

Network's Site:

- 1- Continue excavation, installation and backfilling for 3" & 4" pipelines, house connections and future connections at KAR-1 and KAR-2.
- 2- Continue connections between inlet pipeline (double trench) and reservoir's vault.
- 3- Continue installation of valves and fittings inside manholes.
- 4- Continue mechanical fittings installation inside service main connection chamber.
- 5- Continue neck extension work for manholes.
- 6- Continue base course and asphalt reinstatement.
- 7- Start flushing and testing for distribution network pipelines.

Reservoir's Site:

- 1- Continue backfilling behind the eastern retaining wall with single size.
- 2- Continue electrical works
- 3- Start formwork, steel bar fixing and casting concrete for the northern retaining wall type III.
- 4- Start concrete repair for the reservoir walls (inside and outside) and slab (top and bottom).
- 5- Start leakage test for the reservoir.
- 6- Start installation of yard piping.
- 7- Start construction of reservoir's vault.
- 8- Start applying coating for internal walls of the reservoir.
- 9- Start fabrication of level indicator and metal works (ladders and handrail for the staircases and tank roof).
- 10- Start installation of vents.



11. TASK ORDER'S INDICATORS.

Indicator 1: Number of People in Target Areas with Improved Access to Drinking Water Supply as a Result of USG Assistance.

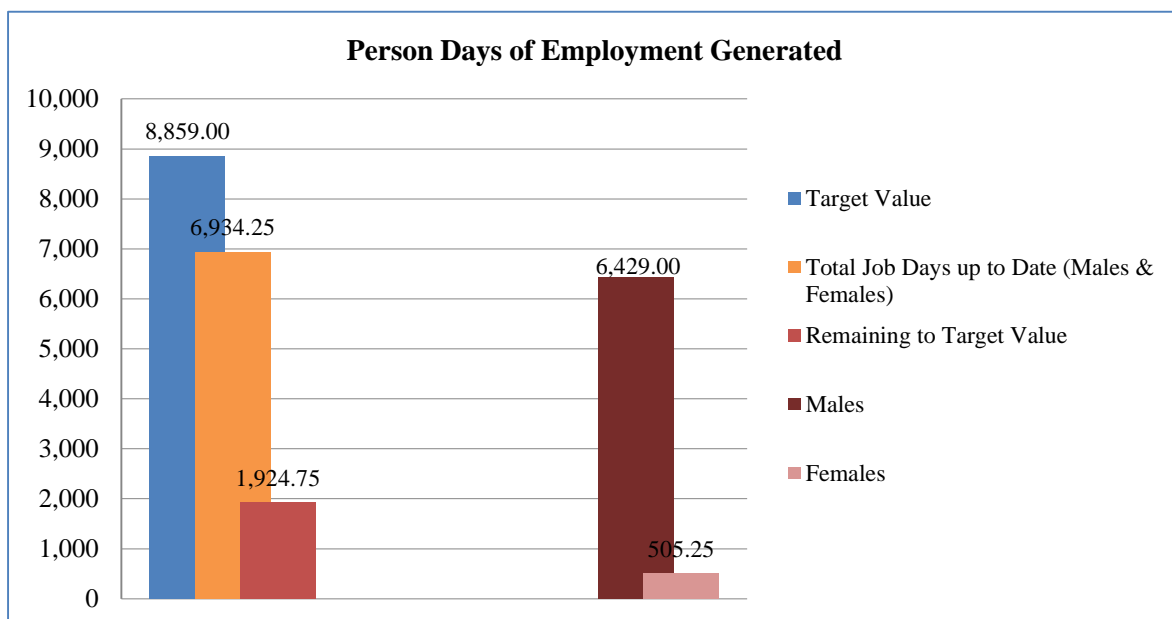
Indicator 1 is measured by the number of people determined in the USAID beneficiaries' standard definitions to receive improved access to drinking water supply as a result of USG assistance. For water distribution projects, measurements are based on Basis of Design Report (BODR) based on census figures of target communities as defined in the latest available census, the Palestinian Central Bureau of Statistics (PCBS) 2007 Census and the USAID beneficiaries' standard definitions.

No.	Description	Value
1	Population of Karma in 2016 (Based on Palestinian Bureau of Statistic)	1,830.00
2	100% of Karma will be benefit from this project	1,830.00
3	Annual Population Growth	2.50%
4	Beneficiaries from the project by 2018	1,923.00
5	No. of Beneficiaries	1,923.00

Indicator 2: Person Days of Employment Generated.

Indicator 2 is measured by the number of person days of employment of this Task Order directly generated by construction works. The Daily Joint Report (DJR) will be used to calculate the Job Days worked on the project on monthly basis. The average number of jobs created (Full Time Equivalent FTE) each month will be calculated on an equivalent basis by dividing the Job Days worked each month by the average number of working days in a month (23.8 days). The below table summarizes the total Job-days number generated previously and during the current reporting period. Refer to Annex D for Geo-MIS Data.

No.	Description	Male	Female
1	Target Value	8,859.00	
2	Total Job-days Generated Previously	5,787.87	441.50
3	Total Job-days Generated this Month	641.13	63.75
4	Total Job-days to Date	6,429.00	505.25
5	Total Full Time Equivalent (FTE) Generated Previously	243.19	18.55
6	Full Time Equivalent (FTE) Generated this Month	26.94	2.68
7	Total Cumulative FTE to Date	270.13	21.23





12. WORKING/NON-WORKING DAYS.

The below table summarizes the total number of working and non-working days up to this reporting period:

No.	Description	Duration	Remarks
A	Task Order's Information		
1	Total Period of Performance (Original)	315 Calendar Days	
2	Total Excusable Delays/Approved Extensions	59	
3	Modified Period of Performance	374	
4	Modified Completion Date	October 31, 2018	
5	Task Order's Elapsed Time	313 Calendar Days	
6	Task Order's Remaining Time	61 Calendar Days	
B	Working Days		
1	Previous Number of Working Days	228 Working Days	
2	Current Number of Working Days	23 Working Days	
3	Accumulated Number of Working Days	251 Working Days	
C	Non-Working Days		
1	Previous Number of Non-Working Days (Holidays and Weekends)	41 Non-Working Days	Holidays and Weekends
2	Current Number of Non-Working Days (Holidays and Weekends)	8 Non-Working Days	4 Days – Eid Adha Holiday 4 Days – Weekends
3	Accumulated Number of Non-Working Days (Holidays and Weekends)	49 Non-Working Days	Holidays and Weekends
4	Previous Number of Other Non-Working Days	13 Other Non-Working Days	11 Days - Rainy Days 2 Days – General Strikes
5	Current Number of Other Non-Working Days	0 Other Non-Working Days	None
6	Accumulated Number of Other Non-Working Days	13 Other Non-Working Days	11 Days - Rainy Days 2 Days - General Strikes
7	Accumulated Number of Non-Working Days	62 Non-Working Days	Holidays, Weekends, Rainy Days & General Strike

13. RAINY DAYS LOG.

No rainy days were recorded during this reporting period.

14. QUALITY CONTROL/QUALITY ASSURANCE STATUS.

The Quality Control Plan is established to provide all the necessary testing and documentation of the contract in order to assure that all works are accomplished (Onsite/Offsite Work, Fabricators, Suppliers and Purchasing Agents, Fabricators and Suppliers) and all materials and equipment supplied are in accordance with the approved plan and specifications requirements. Total of One Hundred and Thirty Two (132) QC submittals were submitted up to this reporting period. Three (3) QC submittals were submitted during this reporting period. The below table summarizes the testing reports' status up to this reporting period. Refer to Annex E for Testing Reports Log.

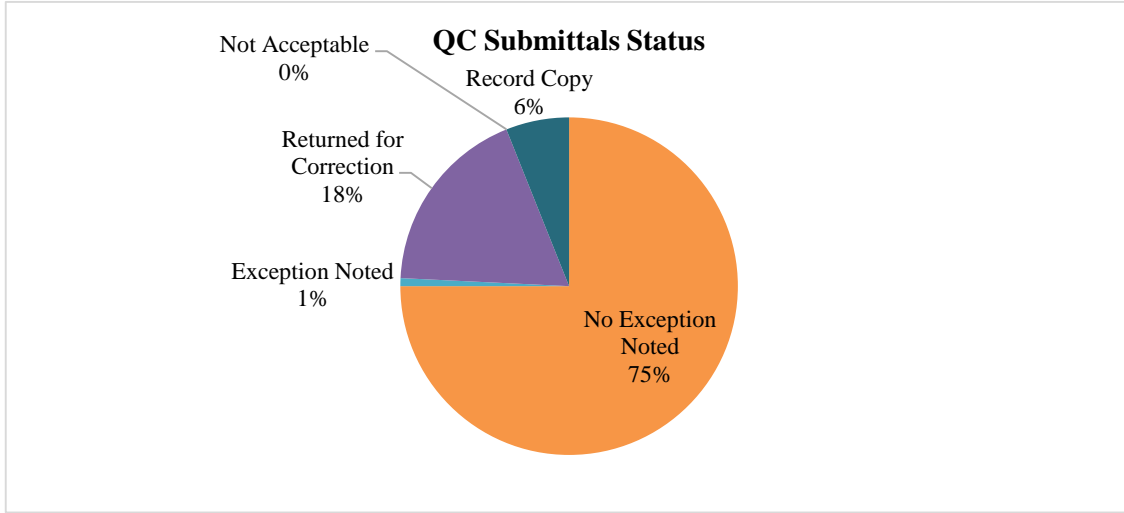
Item	Previous No. of QC SUB	Current No. of QC SUB	Total No. of QC SUB	QC Submittals' Review Status						
				Reviewed	Pending	No Exception Noted	Exception Noted	Returned For Correction	Not Acceptable	Record Copy
No.	129.00	3.00	132.00	132.00	0.00	99.00	1.00	24.00	0.00	8.00
%	-	-	100.00%	100.00%	0.00%	75.00%	0.76%	18.18%	0.00%	6.06%

*Note: ABC is working on resubmitting all unclosed testing reports.



Site Memorandums for Record of Non Quality Compliance: During the reported period, ABC received a quality site memorandum for the concrete finish at the reservoir walls. ABC is working on corrective actions.

Non-Compliance Report: No Non-Compliance Reports (NCRs) were received during this reporting period.



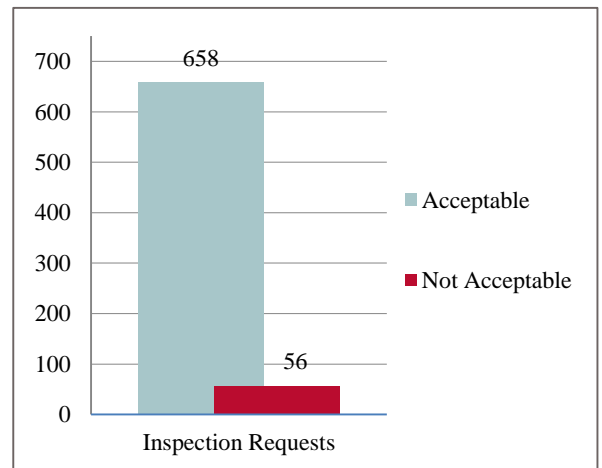
15. INSPECTION REQUESTS.

Total of Seven Hundred and Seventeen (717) inspection requests were submitted up to this reporting period. Seventy One (71) inspection requests were submitted during this reporting period. The below table summarizes the inspection requests' status up to this reporting period. Refer to Annex F for Inspection Requests Log.

Item	Total No. of IRs	Inspection Request' Review Status				
		Reviewed	Pending	Retracted	Acceptable	Not Acceptable
No.	717.00	714.00	2.00	1.00	658.00	56.00
%	100.00%	99.58%	0.28%	0.14%	92.16%	7.84%

*Note: ABC is working on resubmitting all unclosed inspection requests.

Item	Previous No. of IRs	Current No. of IRs	Total No. of IRs
No.	646.00	71.00	717.00





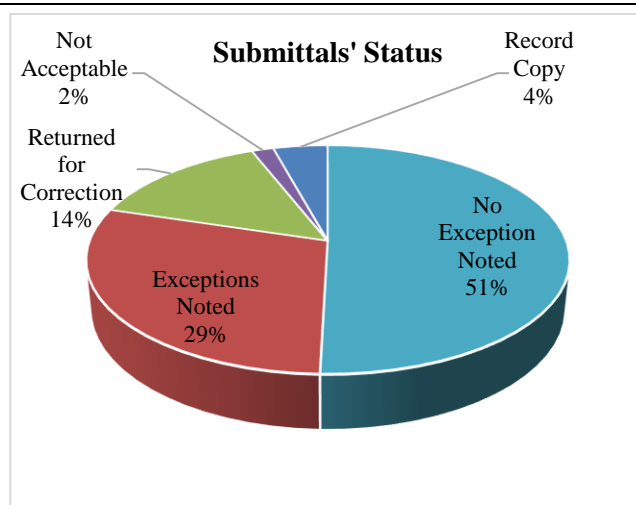
16. SUBMITTALS STATUS.

Total of Four Hundred and Eighty Two (482) submittals were submitted up to this reporting period. Forty Four (44) submittals were submitted during this reporting period. The below table summarizes the submittals' status up to this reporting period. Refer to Annex G for the Submittals' log.

Item	No. of SUB	Reviewed	Pending	Superseded/ Retracted	Submittal's Review Status				
					No Exception Noted	Exceptions Noted	Returned for Correction	Not Acceptable	Record Copy
No.	482.00	468.00	5.00	9.00	236.00	137.00	67.00	8.00	20.00
%	100.00%	97.09%	1.04%	1.87%	50.43%	29.27%	14.32%	1.71%	4.27%

*Note: ABC is working on resubmitting all unclosed submittals.

Item	Previous No. of SUB	Current No. of SUB	Total No. of SUB
No.	438.00	44.00	482.00



17. SITE MEMORANDUMS.

Total of Twenty Nine (29) site memorandums were received from CMC and total of Ten (10) site memorandums were submitted by ABC up to this reporting period. Three (3) site memorandums were received from CMC and One (1) site memorandum was submitted by ABC during this reporting period as summarized below. Refer to Annex H for Site Memorandums' Log.

Site Memos from CMC to ABC:

No.	SM No.	SM Description	Received Date
1	CW05-ATS-FLM-ABC-00027	Third-Party Test Report - Satisfactory Test Results	August 1, 2018
2	CW05-ATS-FLM-ABC-00028	Unsatisfactory Practice of Concrete Placing and Finishing of Walls at Karma Elevated Reservoir.	August 9, 2018
3	CW05-ATS-FLM-ABC-00029	Project Permanent Signs Change.	August 16, 2018

Site Memos from ABC to CMC:

No.	SM No.	SM Description	Issued Date
1	CW05-ABC-FLM-ATS-00010	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00028	August 12, 2018

18. REQUESTS FOR INFORMATION.

Total of Ten (10) requests for information were submitted up to this reporting period. One (1) request for information was submitted during this reporting period. Refer to Annex I for Requests for Information Log.

No.	RFI No.	RFI Description	Submitted Date	Response Received Date
1	CW05-ABC-RFI-ATS-00010	Base Course Reinstatement	August 02, 2018	August 13, 2018



19. CORRESPONDENCES.

Outgoing Correspondence: The below table summarizes the outgoing correspondences during this reporting period:

DCN No.	Email Subject	From	To	Sent Date
MAIL-17-00001-OUT-0209	CW05 KAR: Geo-MIS Data Reporting Sheet - July 01, 2018 to July 31, 2018	ABC	AECOM	August 2, 2018
MAIL-17-00001-OUT-0210	Two Weeks Look Ahead Schedule	ABC	AECOM	August 5, 2018
MAIL-17-00001-OUT-0211	CW05 KAR: July Monthly Progress Report #009	ABC	USAID	August 5, 2018
MAIL-17-00001-OUT-0212	Karma and Dura - Permanent Sign Text	ABC	AECOM	August 8, 2018
MAIL-17-00001-OUT-0213	Karma and Dura - Draft Outline for Final Report	ABC	USAID	August 8, 2018
MAIL-17-00001-OUT-0214	RE: 700mm D400 Manhole Frames and Covers	ABC	AECOM	August 9, 2018
MAIL-17-00001-OUT-0215	Two Weeks Look Ahead Schedule	ABC	AECOM	August 12, 2018
MAIL-17-00001-OUT-0216	CW05 KAR: June Monthly Progress Report #008	ABC	USAID	August 14, 2018
MAIL-17-00001-OUT-0217	CW05 KAR: Eid Al Adha Holiday	ABC	AECOM	August 16, 2018
MAIL-17-00001-OUT-0218	Contact persons	ABC	AECOM	August 20, 2018
MAIL-17-00001-OUT-0219	Two Weeks Look Ahead Schedule	ABC	AECOM	August 26, 2018
MAIL-17-00001-OUT-0220	CW05 KAR: July Monthly Progress Report #009	ABC	USAID	August 27, 2018

Incoming Correspondence: The below table summarizes the incoming correspondences during this reporting period:

DCN No.	Email Subject	From	To	Sent Date
MAIL-17-00001-IN-0135	CW05: Pipeline (From KAR-4 to KAR-19)	AECOM	ABC	August 1, 2018
MAIL-17-00001-IN-0136	DJR 01-08-2018	AECOM	ABC	August 2, 2018
MAIL-17-00001-IN-0137	DJR (04/08/2018)	AECOM	ABC	August 5, 2018
MAIL-17-00001-IN-0138	Re: CW05: Bi-weekly Progress Meeting # 012 (Draft)	USAID	AECOM	August 5, 2018
MAIL-17-00001-IN-0139	CW05: Bi-weekly Progress Meeting # 012 (Final)	AECOM	USAID & ABC	August 5, 2018
MAIL-17-00001-IN-0140	FW: DJR (04 & 05/08/2018)	AECOM	ABC	August 6, 2018
MAIL-17-00001-IN-0141	RE: CW05 KAR: Geo-MIS Data Reporting Sheet - July 01, 2018 to July 31, 2018	AECOM	ABC	August 7, 2018
MAIL-17-00001-IN-0142	RE: 700mm D400 Manhole Frames and Covers	AECOM	ABC & AECOM	August 12, 2018
MAIL-17-00001-IN-0143	CW05 : BI-Weekly Progress Meeting Agenda # 013 August 16, 2018	AECOM	USAID & ABC	August 13, 2018
MAIL-17-00001-IN-0144	COR Comments: CW05 KAR: June Monthly Progress Report #008	USAID	ABC	August 13, 2018
MAIL-17-00001-IN-0145	COR Comments: CW05 KAR: July Monthly Progress Report #009	USAID	ABC	August 15, 2018
MAIL-17-00001-IN-0146	COR Approval: CW05 KAR: June Monthly Progress Report #008	USAID	ABC	August 16, 2018
MAIL-17-00001-IN-0148	COR Approval: CW05 KAR: July Monthly Progress Report #009	USAID	ABC	August 27, 2018
MAIL-17-00001-IN-0149	RE: CW05: Bi-weekly Progress Meeting # 013 (Draft)	AECOM	USAID & ABC	August 29, 2018
MAIL-17-00001-IN-0151	End of Fiscal Year Guidance for Processing Payments/Vouchers	USAID	ABC	August 29, 2018
MAIL-17-00001-IN-0152	CW05: Submitting Revised CPM Schedule	AECOM	ABC	August 30, 2018

20. PROCUREMENT STATUS.

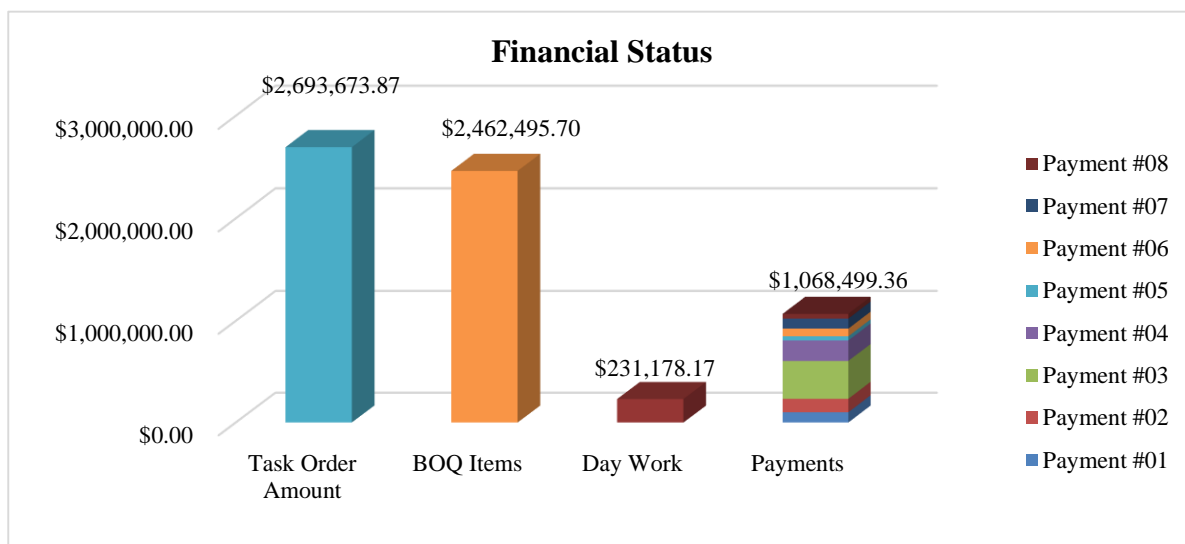
Refer to Annex J for Received Material – Equipment Log.



21. PAYMENTS.

Total of Eight (8) payment requests were submitted up to this reporting period. One (1) payment request was submitted during this reporting period as summarized below. Refer to Annex K for Payments Log.

Pay No.	Submitted Date	Amount	Retention Amount	Cumulative Invoiced (\$)	Task Order Amount (\$)	Remaining Amount (\$)	% Billed to Date
Payment #08	August 15, 2018	\$45,940.57	\$0.00	\$1,068,499.36	\$2,693,673.87	\$1,625,174.51	39.67%



22. CHANGE ORDER REQUESTS.

Total of Eighteen (18) change order requests were submitted. Four (4) change order requests were submitted during this reporting period. Response on Two (2) change order requests were received during this reporting period. Refer to Annex L for Change Order Requests Log.

COR No.	COR Description	COR Cost (\$)	Requested Time Extension	Submitted Date	Response Received Date
013	Changes to Combination Air Vent Chamber	\$(534.00)	0.00*	August 16, 2018	August 27, 2018
014	Concrete Protection	\$3,500.00	0.00	August 16, 2018	August 27, 2018
015	Changes to Combination Air Vent Chamber	\$(750.00)	0.00*	August 28, 2018	P
016	Concrete Protection.	\$3,200.00	0.00*	August 28, 2018	P

*No time extension is required if contract modification is signed before September 07, 2018

23. CHANGE ORDERS.

Total of Two (2) change orders were signed up to this reporting period. No change orders were signed during this reporting period. Refer to Annex M for Change Orders Log.

24. CONTRACT MODIFICATIONS.

Total of Three (3) contract modifications were signed up to this reporting period. One (1) contract modification was signed during this reporting period. Refer to Annex N for Contract Modifications' Log.

CO No.	Contract Modification Description	Cost (\$)	Time Extension (CD)	Date signed by USAID
003	Upgrade the Flanged Joints Bolts to Strain Hardened SS316 (B8M Class 2), Changes in Mechanical Requirements, Changes to Manhole's Covers, Changes in Electromagnetic Flow meters, New Project Definitive Quantities, and Time Extension.	\$3,636.49	17.00	August 15, 2018



25. OBSTACLES AND CHALLENGES.

✚ **Base Course Reinstatement along the Pipelines:** ABC submitted a request for information on August 02, 2018 raising concerns with respect to possible erosion for base course reinstatement along the pipelines after the first storm (partially or fully). This is due to the area topography which lies on hill and slopes that vary between (3% - 21%). ABC proposed to protect the trenches from erosion by providing concrete protection or asphalt or others as determined by the CMC. CMC responded that ABC should provide reinstatement in accordance with the contract requirements. This issue was also discussed in the progress meeting held on August 16, 2018 where ABC raised their concerns again with respect to base course reinstatement. USAID COR advised that CMC response on the RFI was issued in coordination with USAID COR and requested from ABC to provide as specified.

26. PROJECT PHOTOS.

➤ Progress Photos



Photo #01 – Formwork for Reservoir’s Walls



Photo #02 – Anode Installation along Alignment KAR-1



Photo #03 – Pre-Cast Manhole Installation



Photo #04 – Steel Reinforcement for Reservoir’s Walls



Photo #05 – Connections between Chambers



Photo #06 – Installation of Mechanical Fittings



Photo #07 – Installation of 2" Gate Valve



Photo #08 – Connections for Pre-Cast Washout Manhole



Photo #09 – Neck Extension for Precast Manhole



Photo #10 – Steel Reinforcement for the Reservoir's Central Column



05.08.2018 10:02

Photo #11 – Connections for Pre-Cast Washout Manhole



06.08.2018 10:59 AM

Photo #12 – Inspecting Formwork for the Reservoir's Walls



06/08/2018 12:59

Photo #13 – Casting Concrete for the Reservoir's Walls



07.08.2018 10:19

Photo #14 – Welding Flanges inside Chambers



07.08.2018 14:56

Photo #15 – Housekeeping at the Network Site



08.08.2018 12:59 PM

Photo #16 – De-shuttering of Formwork for the Reservoir's Walls



Photo #17 – Welding for Chambers Connection



Photo #18 – Formwork for the Reservoir's Top Slab



Photo #19 – Erecting Handrail Sample



Photo #20 – Internal Concrete Repair for Pre-Cast Manholes



Photo #21 – Installation of Washout Outfall



Photo #22 – Formwork for Reservoir's Top Slab



Photo #23 – Formwork De-Shuttering of the Reservoir’s Walls



Photo #24 – Dust Control at the Network Site



Photo #25 – Installation of Washout Outfall



Photo #26 – Formwork for the Reservoir’s Stair Case



Photo #27 – Inspection of Flange Welding by CWI inside Pre-cast Gate Valves



Photo #28 – Installation of Mechanical Fittings inside Main Connection Chamber



Photo #29 – Formwork for the Reservoir’s Top Slab



Photo #30 – Steel Reinforcement for the Reservoir’s Top Slab



Photo #31 – Mechanical Work and Gate Valve Installation



Photo #32 – Internal Concrete Repair for the Pre-Cast Manholes



Photo #33 – Fabrication of Fittings



Photo #34 – Formwork for the Reservoir’s Top Slab



Photo #35 – Steel Reinforcements for the Reservoir’s Top Slab



Photo #36 – Internal Concrete Repair for Pre-Cast Manholes



Photo #37 – Housekeeping and Reinstatement



Photo #38 – Inspecting of Roof Slab Thimbles



Photo #39 – Electrical Works for the Reservoir’s Top Slab



Photo #40 – Epoxy Coating for Fittings



Photo #41 – Casting Concrete for the Reservoir's Top Slab



Photo #42 – Casting Concrete for the Reservoir's Top Slab

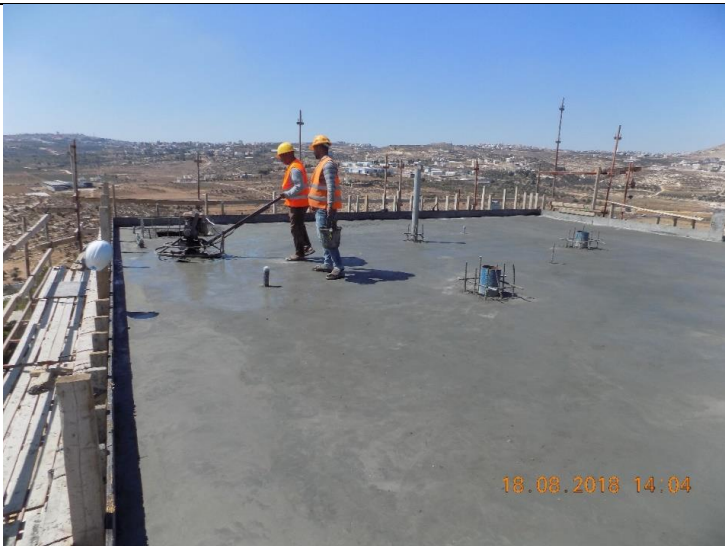


Photo #43 – Concrete Finishing and Levelling Works for the Reservoir's Top Slab



Photo #44 – External Coating for the Pre-cast Manhole



Photo #45 – Installation of Future House Connections



Photo #46 – Housekeeping at the Reservoir's Site



Photo #47 – Installation of Test Station at KAR-1 at Sta. 0+250



Photo #48 – Internal Concrete Repair inside Pre-Cast Manholes



Photo #49 – Digging for Pre-Cast Manholes



Photo #50 – Epoxy Paint for Pipes



Photo #51 – Formwork De-Shuttering



Photo #52 – Epoxy Paint for Pipes



Photo #53 – Formwork De-Shuttering



Photo #54 – Epoxy Paint for Pipes



Photo #55 – Pipeline Installation



Photo #56 – Concrete Repair for Pre-Cast Manholes



Photo #57 – Epoxy Painting for Steel Flanges and Pipes



Photo #58 – External Coating for Washout Urban



➤ Special Progress Photos for Casting Concrete for the Reservoir's Top Slab





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➤ Visit Photos



Photo #01 – Bi-Weekly Progress Meeting



Photo #02 – USAID TOCOR Site Visit



Photo #03 – USAID TOCOR Site Visit



Photo #04 – USAID TOCOR Site Visit

➤ Quality Control/Quality Assurance Photos

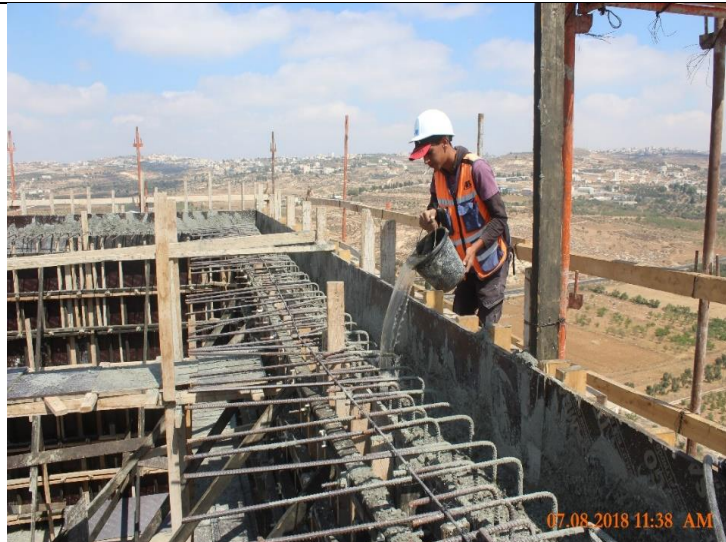


Photo #01 – Concrete Curing for the Reservoir's Walls



Photo #02 – Concrete Curing for the Reservoir's Walls



Photo #03 – Concrete Curing for the Reservoir’s Walls



Photo #04 – Concrete Curing for the Reservoir’s Top Slab



Photo #05 – Concrete Test

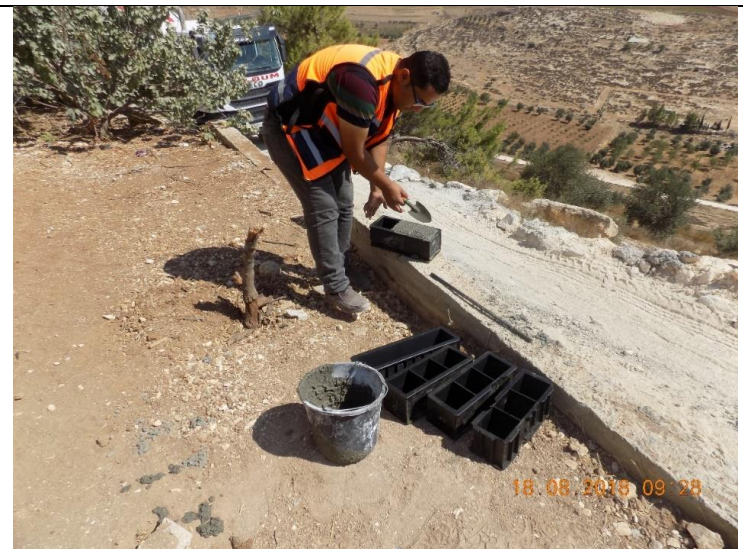


Photo #06 – Fresh Concrete Sampling



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FROM THE AMERICAN PEOPLE

ANNEXES



ANNEX A
USAID Approval Letters on Key Personnel



USAID | WEST BANK/GAZA

FROM THE AMERICAN PEOPLE

October 27, 2017

Mr. Ali Naser
Arab Brothers
General Manager
Ramallah

Subject: Task Order # AID-294-TO-17-00001, Key Personnel Approval

Dear Mr. Naser:

This letter is in reference to your request dated October 24, 2017 to approve the following Key Personnel under the subject Task Order:

- Mr. Motasem Yousef Aburaya, Quality Control Manager
- Mr. Ibrahim Abdel Hasan Naser, Safety and Environmental Compliance Officer
- Mr. Nidal Mohammad Abu-Arqaop, Project Engineer

The COR has approved this request. You hereby have Contracting Office's approval.

Should you have any further questions, or wish to discuss this matter, please feel free to contact Ms. Hourig DelDelian, at 972-3-511-4821.

Sincerely,

Eric Strong
Contracting Officer
USAID/WB&G

cc.: Kamal Kasbary – COR/USAID
Jack Kranz – CM/AECOM

U.S. Agency for International Development
American Embassy
71, Hayarkon St.
Tel Aviv 63903



USAID | WEST BANK/GAZA

November 7, 2017

Mr. Ali Naser
Arab Brothers
General Manager
Ramallah

Subject: Task Order # AID-294-TO-17-00001, Key Personnel Approval

Dear Mr. Naser:

This letter is in reference to your request dated October 24, 2017 to approve Mr. Mohammad Alhalayqa as the Task Order Manager.

The COR has approved this request. You hereby have Contracting Office's approval.

You are reminded that the approval given does not relieve your firm of any obligation under the Task Order and is given with the understanding that it does not increase the total price of the Task Order or change any of its terms and conditions.

Should you have any further questions, or wish to discuss this matter, please feel free to contact Ms. Hourig DelDelian, at 972-3-511-4821.

Sincerely,

Eric Strong
Contracting Officer
USAID/WB&G

cc.: Kamal Kasbary – COR/USAID
Jack Kranz – CM/AECOM

U.S. Agency for International Development
American Embassy
71, Hayarkon St.
Tel Aviv 63903



USAID | **WEST BANK/GAZA**

FROM THE AMERICAN PEOPLE

ANNEX B

Approved Flyers



USAID
من الشعب الأمريكي

Karma Water Project

مشروع مياه كرمه



برنامج الإنشاءات المحلية الممول من الوكالة الأمريكية للتنمية الدولية:
برنامج الإنشاءات المحلية الممول من الوكالة الأمريكية يعمل على إعادة تأهيل أو إنشاء الطرق, شبكات المياه, وشبكات الصرف الصحي لتسهيل الوصول الى الخدمات الأساسية.

مشروع مياه كرمه:

هذا المشروع سيمد سكان قرية كرمه بالمياه النظيفة الصالحة للشرب, وهو مشروع ممول من قبل الوكالة الأمريكية للتنمية الدولية بالشراكة مع سلطة المياه الفلسطينية, والمشروع يتكون من التالي:

- إنشاء خزان مياه مرفوع بحجم 500 متر مكعب.
- إنشاء 8 كم من شبكات التوزيع.
- إنشاء خط رئيسي ناقل للمياه.
- تركيب وصلات منزليه لـ 370 منزل.

تاريخ إتمام المشروع:

من المخطط تنفيذ المشروع خلال 315 يوماً إذ من المتوقع إنتهائه في أيلول 2018.

تأسف شركة الاخوه العرب لأي إزعاج قد تتعرضون له أثناء العمل ونشمن عالياً تعاونكم لنتمكن من تنفيذ المشروع بنجاح في الوقت المحدد وبالمواصفات المطلوبة.

في حال وجود أية استفسارات يرجى الاتصال بمهندس السلامة العامة للمشروع السيد: إبراهيم نصر: 0569-900697

USAID Local Construction Program:

The USAID-funded Local Construction Program rehabilitates or constructs roads, water, and wastewater infrastructure to improve access to basic services.

Karma Water Project:

This project will provide Karma village with access to clean tap water. The project is funded by USAID in partnership with the Palestinian Water Authority. The project will include:

- a 500 cubic meters elevated reservoir;
- 8 kilometers of distribution pipelines;
- main transmission pipeline;
- and connections to 370 homes.

Project Completion Date:

The project is expected to last 315 days and finish in September 2018.

أرقام مهمة
في حالات الطوارئ:

1. الإسعاف: 101
2. الدفاع المدني: 102
3. الشرطة: 100

Arab Brothers CO. apologizes for any inconveniences caused during project implementation and highly appreciates your cooperation to successfully complete this project on time and in accordance with the required specifications.

For any queries, please contact the project Safety Officer, Mr. Ibrahim Naser, Mobile: 0569-900679



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FROM THE AMERICAN PEOPLE

ANNEX C

CPM Schedule

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Earned Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018											
														Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
AID-294-TO-17-00001 Karma Water Project														15-Nov-18, A											
Milestones														15-Nov-18, M											
General Milestones														15-Nov-18, C											
MS-000	Start Date (NTP)	0	31-Aug-18	23-Oct-17				\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	◆ Start Date (NTP)											
MS-002	End of the Project (Completion Date)	0			15-Nov-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	◆ End of the P											
Intermediate Milestones														14-Oct-18, Intermediate											
MS-003	Mobilization Completion Date	0	31-Aug-18	07-Dec-17	31-Aug-18	07-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	◆ Mobilization Completion Date											
MS-004	Start of Karma Reservoir	0	31-Aug-18	17-Dec-17				\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	◆ Start of Karma Reservoir											
MS-006	Start of Karma Transmission Pipeline	0	31-Aug-18	11-Feb-18				\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	◆ Start of Karma Transmission Pipeline											
MS-007	Start of Karma Distribution Network	0	31-Aug-18	14-Jan-18				\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	◆ Start of Karma Distribution Network											
MS-018	End of Karma Distribution Network	0			14-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	◆ End of Karma Distribution Network											
MS-019	End of Karma Transmission Pipeline	0			14-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	◆ End of Karma Transmission Pipeline											
MS-021	End of Karma Reservoir	0			04-Oct-18		-5	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	◆ End of Karma Reservoir											
Coordination with Local and Israeli Authorities Prior to Execution Phase														15-Nov-18, C											
CO-000	Coordination With Local Authorities (Municipality, Council) and Israeli Prior to	315	31-Aug-18	23-Oct-17	15-Nov-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	67.3%	67.3%	Coordination											
Mobilization														17-Dec-17 A, Mobilization											
MOB-001	Engineers Offices	2	31-Aug-18	25-Oct-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Engineers Offices											
MOB-002	Contractor Offices	3	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Contractor Offices											
MOB-003	Storage Yard and all Connections	4	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Storage Yard and all Connections											
MOB-004	Electrical and IT Equipments	2	31-Aug-18	25-Oct-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Electrical and IT Equipments											
MOB-005	Temporary Facilities	4	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Temporary Facilities											
MOB-006	Security System	2	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Security System											
MOB-007	Parking Areas	4	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Parking Areas											
MOB-008	Sign Boards	2	31-Aug-18	25-Oct-17	31-Aug-18	06-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Sign Boards											
MOB-009	Summary of Mobilization	2	31-Aug-18	25-Oct-17	31-Aug-18	17-Dec-17		\$91,187.58	\$91,187.58	\$91,187.58	\$0.00	100%	100%	Summary of Mobilization											
Submittals														06-Nov-18, Sub											
Pre Construction Submittals														22-Jan-18 A, Pre Construction Submittals											
PCS-001	Prep.&Submit Copy of Guarantee & Insurances (Original to USAID)	3	31-Aug-18	23-Oct-17	31-Aug-18	23-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Copy of Guarantee & Insurances (Original to USAID)											
PCS-002	Approval of Guarantee & Insurances (Original to USAID)	30	31-Aug-18	23-Oct-17	31-Aug-18	23-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Guarantee & Insurances (Original to USAID)											
PCS-003	Prep.&Submit List of Materials & Equip. to be Procured from Israel,Locally & A	5	31-Aug-18	27-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit List of Materials & Equip. to be Procured from Israel,Locally & A											
PCS-004	Approval of List of Materials & Equip. to be Procured from Israel,Locally & A	30	31-Aug-18	02-Nov-17	31-Aug-18	10-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of List of Materials & Equip. to be Procured from Israel,Locally & A											
PCS-005	Prep.&Submit Submittal Schedule	7	31-Aug-18	27-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Submittal Schedule											
PCS-006	Approval of Submittal Schedule	30	31-Aug-18	02-Nov-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Submittal Schedule											
PCS-007	Prep.&Submit List of Permits&Licenses	4	31-Aug-18	23-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit List of Permits&Licenses											
PCS-008	Approval of List of Permits&Licenses	30	31-Aug-18	13-Nov-17	31-Aug-18	22-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of List of Permits&Licenses											
PCS-009	Prep.&Submit of 60 Day Plan of Operation	7	31-Aug-18	23-Oct-17	31-Aug-18	12-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit of 60 Day Plan of Operation											
PCS-010	Approval of 60 Day Plan of Operation	30	31-Aug-18	13-Nov-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of 60 Day Plan of Operation											
PCS-011	Prep.&Submit Project Overview Bar Chart	6	31-Aug-18	23-Oct-17	31-Aug-18	10-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Project Overview Bar Chart											
PCS-012	Approval of Project Overview Bar Chart	30	31-Aug-18	25-Oct-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Project Overview Bar Chart											
PCS-013	Prep.&Submit Key Staff	4	31-Aug-18	23-Oct-17	31-Aug-18	23-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Key Staff											
PCS-014	Approval of Key Staff	30	31-Aug-18	25-Oct-17	31-Aug-18	27-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Key Staff											
PCS-015	Prep.&Submit of Project Temporary Sign	2	31-Aug-18	28-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit of Project Temporary Sign											
PCS-016	Approval of Project Temporary Sign	30	31-Aug-18	02-Nov-17	31-Aug-18	22-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Project Temporary Sign											
PCS-017	Prep.&Submit of Engineer's Field Offices Layout	3	31-Aug-18	23-Oct-17	31-Aug-18	26-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit of Engineer's Field Offices Layout											
PCS-018	Approval of Engineer's Field Offices Layout	30	31-Aug-18	27-Nov-17	31-Aug-18	12-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Engineer's Field Offices Layout											
PCS-019	Prep.&Submit Field Office Furniture, Computer Systems and Miscellaneous	3	31-Aug-18	23-Oct-17	31-Aug-18	26-Oct-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Field Office Furniture, Computer Systems and Miscellaneous											
PCS-020	Approval of Field Office Furniture, Computer Systems and Miscellaneous	30	31-Aug-18	17-Nov-17	31-Aug-18	27-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Field Office Furniture, Computer Systems and Miscellaneous											
PCS-021	Prep.&Submit of QC/QA Plan with Testing Lab CV	7	31-Aug-18	23-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit of QC/QA Plan with Testing Lab CV											
PCS-022	Approval of QC/QA Plan with Testing Lab CV	30	31-Aug-18	02-Nov-17	31-Aug-18	12-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of QC/QA Plan with Testing Lab CV											
PCS-023	Prep.&Submit Safety Plan	7	31-Aug-18	23-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Safety Plan											
PCS-024	Approval of Safety Plan	30	31-Aug-18	02-Nov-17	31-Aug-18	21-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Safety Plan											
PCS-025	Prep.&Submit General Traffic Control Plan	7	31-Aug-18	23-Oct-17	31-Aug-18	12-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit General Traffic Control Plan											
PCS-026	Approval of General Traffic Control Plan	30	31-Aug-18	13-Nov-17	31-Aug-18	21-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of General Traffic Control Plan											
PCS-027	Prep.&Submit Environmental Monitoring & Mitigation Plan	5	31-Aug-18	23-Oct-17	31-Aug-18	12-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Environmental Monitoring & Mitigation Plan											
PCS-028	Approval of Environmental Monitoring & Mitigation Plan	30	31-Aug-18	13-Nov-17	31-Aug-18	14-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Environmental Monitoring & Mitigation Plan											
PCS-029	Prep.&Submit General Construction Method Statement	5	31-Aug-18	23-Oct-17	31-Aug-18	01-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit General Construction Method Statement											
PCS-030	Approval of General Construction Method Statement	30	31-Aug-18	02-Nov-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of General Construction Method Statement											
PCS-031	Prep.&Submit Original CPM Construction Schedule	5	31-Aug-18	23-Oct-17	31-Aug-18	28-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Original CPM Construction Schedule											
PCS-032	Approval of Original CPM Construction Schedule	30	31-Aug-18	29-Nov-17	31-Aug-18	22-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Original CPM Construction Schedule											
PCS-033	Prep.&Submit Construction Risk Management Program	3	31-Aug-18	23-Oct-17	31-Aug-18	12-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Construction Risk Management Program											
PCS-034	Approval of Construction Risk Management Program	30	31-Aug-18	13-Nov-17	31-Aug-18	27-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Construction Risk Management Program											
PCS-035	Prep.&Submit Dilapidation Survey	3	31-Aug-18	23-Oct-17	31-Aug-18	12-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Dilapidation Survey											
PCS-036	Approval of Dilapidation Survey	30	31-Aug-18	13-Nov-17	31-Aug-18	07-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Dilapidation Survey											
PCS-046	Prep. & Submit of Dump Site.	5	31-Aug-18	23-Oct-17	31-Aug-18	16-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep. & Submit of Dump Site.											
PCS-056	Approval of Dump Site	30	31-Aug-18	17-Nov-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Dump Site											
PCS-057	Prep and Submit Safety and Health Training	2	31-Aug-18	07-Dec-17	31-Aug-18	17-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep and Submit Safety and Health Training											
PCS-058	Approval of Safety and Health Training	30	31-Aug-18	10-Dec-17	31-Aug-18	10-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Safety and Health Training											
Construction Submittals														06-Nov-18, Con											
Material Submittals														23-May-18 A, Material Submittals											
Civil														23-May-18 A, Civil											
CS-001	Prep.&Submit Shrinkable & Raping Tape - Product Data	6	31-Aug-18	12-Nov-17	31-Aug-18	13-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Shrinkable & Raping Tape - Product Data											
CS-002	Approval of Shrinkable & Raping Tape - Product Data	30	31-Aug-18	14-Nov-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Approval of Shrinkable & Raping Tape - Product Data											
CS-003	Prep.&Submit Backfilling Material-Test Report/Soil Classification	7	31-Aug-18	25-Nov-17	31-Aug-18	27-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Prep.&Submit Backfilling Material-Test Report/Soil Classification											

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



Date	Prepared	Approved
04-Sep-18	Sr.Planning Eng. Haneen Swaiti	Eng. Ali Naser -CEO

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Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Eamed Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018														
														Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
CS-004	Approval of Backfilling Material-Test Report/Soil Classification	30	31-Aug-18	28-Nov-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-005	Prep.&Submit Identification Tape - Sample	2	31-Aug-18	09-Nov-17	31-Aug-18	09-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-006	Approval of Identification Tape - Sample	30	31-Aug-18	10-Nov-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-007	Prep.&Submit Bedding Material - Test Report/Soil Classification	7	31-Aug-18	25-Nov-17	31-Aug-18	27-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-008	Approval of Bedding Material - Test Report/Soil Classification	30	31-Aug-18	28-Nov-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-013	Prep.&Submit Base Course, Gradation and Physical Properties	6	31-Aug-18	25-Nov-17	31-Aug-18	27-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-014	Approval of Base Course, Gradation and Physical Properties	30	31-Aug-18	28-Nov-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-015	Prep.&Submit Asphalt Mix Design - Test Report	7	31-Aug-18	12-May-18	31-Aug-18	13-May-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-016	Approval of Asphalt Mix Design - Test Report	30	31-Aug-18	14-May-18	31-Aug-18	23-May-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-017	Prep.&Submit MC Prime Coat - Data Sheet	7	31-Aug-18	26-Dec-17	31-Aug-18	28-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-018	Approval of MC Prime Coat - Data Sheet	30	31-Aug-18	29-Dec-17	31-Aug-18	16-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-019	Prep.&Submit of RC Tack Coat - Data Sheet	7	31-Aug-18	26-Dec-17	31-Aug-18	28-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-020	Approval of RC Tack Coat - Data Sheet	30	31-Aug-18	29-Dec-17	31-Aug-18	16-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-021	Prep.&Submit Manhole Cover,Handhole Manhole, Frame and Steps - Product	2	31-Aug-18	26-Dec-17	31-Aug-18	27-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-022	Approval of Manhole Cover,Handhole Manhole, Frame and Steps - Product Data	30	31-Aug-18	28-Dec-17	31-Aug-18	11-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-023	Prep.&Submit Precast Reinforced Concrete Manhole - Data Sheet & Certificate	7	31-Aug-18	05-Dec-17	31-Aug-18	07-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-024	Approval of Precast Reinforced Concrete Manhole - Data Sheet & Certificates	30	31-Aug-18	08-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-025	Prep.&Submit Formwork & Ties - Product Data	1	31-Aug-18	29-Dec-17	31-Aug-18	31-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-026	Approval of Formwork & Ties - Product Data	30	31-Aug-18	01-Jan-18	31-Aug-18	28-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-027	Prep.&Submit Steel Reinforcement - Data Sheet&Certificates	1	31-Aug-18	27-Nov-17	31-Aug-18	28-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-028	Approval of Steel Reinforcement - Data Sheet&Certificates	30	31-Aug-18	29-Nov-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-029	Prep.&Submit Water Stop&Joints in Concrete -Product Data	5	31-Aug-18	27-Nov-17	31-Aug-18	28-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-030	Approval of WaterStop&Joints in Concrete-Product Data	30	31-Aug-18	29-Nov-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-031	Prep.&Submit Concrete Mix Design - (14,21,24,30,35)MPA.	2	31-Aug-18	03-Dec-17	31-Aug-18	05-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-032	Approval of Concrete Mix Design - (14,21,24,30,35)MPA.	30	31-Aug-18	06-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-033	Prep.&Submit Anchors&Aluminum Roof Hatches- Data Sheets&Certificates	7	31-Aug-18	21-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-034	Approval of Anchors&Aluminum Roof Hatches- Data Sheets&Certificates	30	31-Aug-18	21-Dec-17	31-Aug-18	31-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-039	Prep.&Submit of Concrete Repair&Rehabilitation	7	31-Aug-18	20-Feb-18	31-Aug-18	22-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-040	Approval of Concrete Repair&Rehabilitation	30	31-Aug-18	22-Feb-18	31-Aug-18	04-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-041	Prep.&Submit Reservoir Construction Joints- Sample & Product Data	1	31-Aug-18	12-Jan-18	31-Aug-18	15-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-042	Approval of Reservoir Construction Joints- Sample & Product Data	30	31-Aug-18	16-Jan-18	31-Aug-18	18-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-043	Prep.&Submit Reservoir Internal Paint - Sample & Product Data	7	31-Aug-18	26-Dec-17	31-Aug-18	28-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-044	Approval of Reservoir Internal Paint - Sample & Product Data	30	31-Aug-18	29-Dec-17	31-Aug-18	16-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-399	Prep.&Submit Cathodic Protection Anods and Accessories Product Data	2	31-Aug-18	05-Nov-17	31-Aug-18	08-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-409	Approval of Cathodic Protection Anods and Accessories Product Data	30	31-Aug-18	09-Nov-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-419	Prep.&Submit Fence and Gates Data Sheet	2	31-Aug-18	23-Dec-17	31-Aug-18	24-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-429	Approval of Fence and Gates Data Sheet	30	31-Aug-18	25-Dec-17	31-Aug-18	28-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
Electrical and Instruments		128	31-Aug-18	12-Dec-17	31-Aug-18	30-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%															
CS-047	Prep.&Submit Earthing and Grounding System- Product Data	2	31-Aug-18	12-Dec-17	31-Aug-18	14-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-048	Approval of Earthing and Grounding System- Product Data	30	31-Aug-18	15-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-049	Prep.&Sub of Control System Supplier profile	4	31-Aug-18	31-Dec-17	31-Aug-18	02-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-050	Approval of Control System Supplier profile	30	31-Aug-18	03-Jan-18	31-Aug-18	07-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-051	Prep.&Submit Radio Path Study	2	31-Aug-18	20-Feb-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-052	Approval of Radio Path Study	30	31-Aug-18	28-Feb-18	31-Aug-18	05-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-053	Prep.&Submit Electrical breaker panel (Power Panel) - Product Data	7	31-Aug-18	17-Dec-17	31-Aug-18	18-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-054	Approval of Electrical breaker panel (Power Panel) - Product Data	30	31-Aug-18	19-Jan-18	31-Aug-18	22-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-055	Prep.&Submit Electrical PVC conduits - Product Data	7	31-Aug-18	12-Dec-17	31-Aug-18	14-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-056	Approval of Electrical PVC conduits - Product Data	30	31-Aug-18	15-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-057	Prep.&Submit SCADA Antenna and RTU Panel - Product Data	5	31-Aug-18	16-Feb-18	31-Aug-18	18-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-058	Approval of SCADA Antenna and RTU Panel - Product Data	30	31-Aug-18	19-Feb-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-098	Prep.&Submit of Control Cable	7	31-Aug-18	12-Dec-17	31-Aug-18	14-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-099	Approval of Control Cable	30	31-Aug-18	15-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-10029	Prep.&Submit GSM/ GPRS magnetic flow meter - Product Data	4	31-Aug-18	17-Feb-18	31-Aug-18	19-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-10039	Approval of GSM/ GPRS magnetic flow meter - Product Data	30	31-Aug-18	20-Feb-18	31-Aug-18	08-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															
CS-10049	Prep.&Sub of pressure transmitter	7	31-Aug-18	29-Apr-18	31-Aug-18	29-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%															

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Eamed Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018											
														Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
CS-949	Approval of Electrical exposed conduits	30	31-Aug-18	15-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-959	Prep.&Submit of Beacon light system complete	7	31-Aug-18	24-Dec-17	31-Aug-18	26-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-969	Approval of Beacon light system complete	30	31-Aug-18	27-Dec-17	31-Aug-18	28-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
Mechanical		64	31-Aug-18	11-Nov-17	31-Aug-18	15-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%												
CS-100	Prep&Submit Flow Control Valve - Product Data	5	31-Aug-18	03-Feb-18	31-Aug-18	03-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-101	Approval of Flow Control Valve - Product Data	30	31-Aug-18	04-Feb-18	31-Aug-18	26-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-102	Prep&Submit Steel Pipes,Specials,Fittings - Product Data	3	31-Aug-18	11-Nov-17	31-Aug-18	13-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-103	Approval of Steel Pipes,Specials,Fittings - Product Data	30	31-Aug-18	14-Nov-17	31-Aug-18	29-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-104	Prep&Submit Stop Valves - Product Data	6	31-Aug-18	11-Dec-17	31-Aug-18	12-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-105	Approval of Stop Valves - Product Data	30	31-Aug-18	13-Dec-17	31-Aug-18	23-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-106	Prep&Submit Pressure Reducing Valves - Product Data	3	31-Aug-18	02-Feb-18	31-Aug-18	03-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-107	Approval of Pressure Reducing Valves - Product Data	30	31-Aug-18	04-Feb-18	31-Aug-18	26-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-108	Prep&Submit Flanged Combination Air Release Valves - Product Data	10	31-Aug-18	13-Dec-17	31-Aug-18	14-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-109	Approval of Flanged Combination Air Release Valves - Product Data	30	31-Aug-18	15-Dec-17	31-Aug-18	30-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-114	Prep&Submit Flanged Gate Valves - Product Data	7	31-Aug-18	11-Dec-17	31-Aug-18	12-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-115	Approval of Flanged Gate Valves - Product Data	30	31-Aug-18	13-Dec-17	31-Aug-18	19-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-116	Prep&Submit Altitude Valve - Product Data	4	31-Aug-18	05-Feb-18	31-Aug-18	08-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-117	Approval of Altitude Valve - Product Data	30	31-Aug-18	09-Feb-18	31-Aug-18	15-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-118	Prep&Submit Dismantling/Flexible/ Restrained Joint Dressers- Product Data	5	31-Aug-18	11-Nov-17	31-Aug-18	13-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-119	Approval of Dismantling/Flexible/ Restrained Joint Dressers- Product Data	30	31-Aug-18	14-Nov-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-120	Prep&Submit Pressure Gauge - Product Data	7	31-Aug-18	24-Nov-17	31-Aug-18	26-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-121	Approval of Pressure Gauge - Product Data	30	31-Aug-18	27-Nov-17	31-Aug-18	14-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-122	Prep&Submit Check Valves - Product Data	7	31-Aug-18	28-Nov-17	31-Aug-18	31-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-123	Approval of Check Valves - Product Data	30	31-Aug-18	01-Jan-18	31-Aug-18	15-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-180	Prep&Submit Pipes Supports - Product Data	5	31-Aug-18	07-Jan-18	31-Aug-18	08-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-210	Approval of Pipe support	30	31-Aug-18	09-Jan-18	31-Aug-18	31-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-979	Prep.&Submit Mechanical Prepaid Water Meter / Galvanized Box	5	31-Aug-18	06-Feb-18	31-Aug-18	07-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-989	Approval of Mechanical Prepaid Water Meter / Galvanized Box	30	31-Aug-18	08-Feb-18	31-Aug-18	25-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-990	Prep.&Submit Angle Strainer	7	31-Aug-18	12-Nov-17	31-Aug-18	14-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-991	Approval of Angle Strainer	30	31-Aug-18	15-Nov-17	31-Aug-18	25-Nov-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
Shop Drawings Submittals		248	31-Aug-18	28-Nov-17	05-Oct-18		22	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%												
Civil		242	31-Aug-18	28-Nov-17	29-Sep-18		28	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%												
CS-141	Prep&Submit Reservoir Lands Survey Layout & Sections (Excavation Plan)	3	31-Aug-18	10-Dec-17	31-Aug-18	10-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-142	Approval of Reservoir Land Survey Layout & Sections (Excavation Plan)	30	31-Aug-18	11-Dec-17	31-Aug-18	13-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-143	Prep&submit Shop Drawing for Retaining Wall	4	31-Aug-18	18-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-144	Approval of Shop Drawing for Retaining Wall	30	31-Aug-18	20-Dec-17	31-Aug-18	30-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-145	Prep&submit Shop Drawing(Formwork and Structural) for Karma Reservoir	7	31-Aug-18	12-Dec-17	31-Aug-18	13-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-146	Approval of Shop Drawing for (Formwork and Structural) for Karma Reservoir	30	31-Aug-18	14-Dec-17	31-Aug-18	30-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-149	Prep&Submit Transmission Pipeline (KAR-1 / KAR-2) Shop Drawing	10	31-Aug-18	01-Feb-18	31-Aug-18	04-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-150	Approval of Shop Drawing of (KAR-1 / KAR-2) Transmission Pipeline Shop Dr	30	31-Aug-18	05-Feb-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-153	Prep&Submit DNW Karma - Shop Drawing	8	31-Aug-18	01-Dec-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-154	Approval of Shop Drawing of Karma DNW	30	31-Aug-18	04-Dec-17	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-159	Prep&submit Civil Shop Drawing for Chambers&Structural Elements Detailed	10	31-Aug-18	14-Jan-18	31-Aug-18	16-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-160	Approval of Civil Shop Drawing for Chambers&Structural Elements Detailed	30	31-Aug-18	17-Jan-18	31-Aug-18	28-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-163	Prep.&Submit Aluminum Hatches & Railing Shop Drawings	10	31-Aug-18	19-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-164	Approval of Aluminum Hatches & Railing Shop Drawings	30	31-Aug-18	21-Dec-17	31-Aug-18	31-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-165	Prep.&Submit Internal Ladders Shop Drawings	10	31-Aug-18	09-Jul-18	31-Aug-18	11-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-166	Approval of Internal Ladders Shop Drawings	30	31-Aug-18	12-Jul-18	31-Aug-18	14-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	63.33%												
CS-258	Prep. & Submit Fence and Posts	2	31-Aug-18	22-Dec-17	31-Aug-18	24-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-268	Approval of Fence and Posts	30	31-Aug-18	25-Dec-17	31-Aug-18	08-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-269	Prep&Submit Shop Drawing for Karma House Connection	5	31-Aug-18	28-Nov-17	31-Aug-18	03-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-271	Approval of Shop Drawing for Karma House Connection	30	31-Aug-18	04-Dec-17	31-Aug-18	24-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-272	Prep&submit Shop Drawing for Karma Future Connection	5	31-Aug-18	03-Jan-18	31-Aug-18	16-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-274	Approval of Shop Drawing for Karma Future Connection	30	31-Aug-18	17-Jan-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-278	Prep. and Submit Civil As built Record First Batch	15	31-Aug-18	14-Apr-18	31-Aug-18	14-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-288	Approval of Civil As built Record First Batch	30	31-Aug-18	15-Apr-18	31-Aug-18	15-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%												
CS-499	Prep. and Submit Civil As built Record Second Batch	5	01-Sep-18			05-Sep-18		27	\$0.00	\$0.00	\$0.00	0%	100%												
CS-509	Approval of Civil As built Record Second Batch	20	06-Sep-18			25-Sep-18		32	\$0.00	\$0.00	\$0.00	0%	45%												
CS-510	Prep. and Submit Civil As built Record Third Batch	8	01-Sep-18			09-Sep-18		24	\$0.00	\$0.00	\$														

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Earned Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018											
														Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Ordering Material and Manufacturing																									
PR-002	Order of Welded Steel Pipes and Fittings	1	31-Aug-18	05-Dec-17	31-Aug-18	30-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	30-Jan-18 A, Ordering Material and Manufacturing											
PR-683	Manufacturing of Welded Steel Pipes and Fittings	45	31-Aug-18	06-Dec-17	31-Aug-18	30-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Welded Steel Pipes and Fittings											
PR-693	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	10-Dec-17	31-Aug-18	10-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Welded Steel Pipes and Fittings											
Material Delivery																									
PR-004	Delivery of Welded Steel Pipes and Fittings / Site Inspection	10	31-Aug-18	28-Jan-18	31-Aug-18	28-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Pipe Identification Tape																									
Ordering Material and Manufacturing																									
A7360	Order of Pipe Identification Tape	1	31-Aug-18	02-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	28-Jan-18 A, Material Delivery											
A7400	Manufacturing of Pipe Identification Tape	20	31-Aug-18	03-Dec-17	31-Aug-18	10-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of Welded Steel Pipes and Fittings / Site Inspection											
Material Delivery																									
A7380	Delivery of Pipe Identification Tape / Site Inspection	5	31-Aug-18	19-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	19-Dec-17 A, Pipe Identification Tape											
Shrinkable & Raping Tape																									
Ordering Material and Manufacturing																									
A7370	Order of Shrinkable & Raping Tape	1	31-Aug-18	04-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	10-Dec-17 A, Ordering Material and Manufacturing											
A7410	Manufacturing of Shrinkable & Raping Tape	15	31-Aug-18	05-Dec-17	31-Aug-18	20-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Pipe Identification Tape											
Material Delivery																									
A7390	Delivery of Shrinkable & Raping Tape / Site Inspection	5	31-Aug-18	21-Dec-17	31-Aug-18	21-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Manufacturing of Pipe Identification Tape											
Mechanical Fittings (tee, elbow, reducer)																									
Ordering Material and Manufacturing																									
PR-032	Order of Mechanical Fittings	1	31-Aug-18	02-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	19-Dec-17 A, Material Delivery											
PR-953	Manufacturing of Mechanical Fittings	30	31-Aug-18	03-Dec-17	31-Aug-18	10-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of Pipe Identification Tape / Site Inspection											
PR-963	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18	19-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	21-Dec-17 A, Shrinkable & Raping Tape											
Material Delivery																									
PR-033	Delivery of Mechanical Fittings / Site Inspection	1	31-Aug-18	19-Dec-17	31-Aug-18	19-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	20-Dec-17 A, Ordering Material and Manufacturing											
Flanged Gate Valves																									
Ordering Material and Manufacturing																									
PR-010	Order of Flanged Gate Valve	2	31-Aug-18	27-Feb-18	31-Aug-18	20-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	20-Jul-18 A, Flanged Gate Valves											
PR-070	Manufacturing of Flanged Gate Valve	55	31-Aug-18	27-Feb-18	31-Aug-18	28-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	28-Jun-18 A, Ordering Material and Manufacturing											
PR-080	Inspection at Manufacturer Facility and Receiving the initial OM Manual	3	31-Aug-18	28-Jun-18	31-Aug-18	28-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Flanged Gate Valve											
Material Delivery																									
PR-011	Delivery of Flanged Gate Valve / Site Inspection	7	31-Aug-18	20-Jul-18	31-Aug-18	20-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Manufacturing of Flanged Gate Valve											
Stop Valves																									
Ordering Material and Manufacturing																									
PR-014	Order of Stop Valve	1	31-Aug-18	27-Feb-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	25-Jun-18 A, Ordering Material and Manufacturing											
PR-154	Manufacturing of Stop Valve	55	31-Aug-18	27-Feb-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Stop Valve											
PR-164	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	25-Jun-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Stop Valve											
Material Delivery																									
PR-015	Delivery of Stop Valve / Site Inspection	4	31-Aug-18	20-Jul-18	31-Aug-18	20-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Flanged Combination Air Release Valves																									
Ordering Material and Manufacturing																									
PR-1774	Order of Flanged Combination Air Release Valve	1	31-Aug-18	27-Feb-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	25-Jun-18 A, Ordering Material and Manufacturing											
PR-1794	Manufacturing of Flanged Combination Air Release Valve	60	31-Aug-18	27-Feb-18	31-Aug-18	29-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Flanged Combination Air Release Valve											
PR-1804	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	25-Jun-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Flanged Combination Air Release Valve											
Material Delivery																									
PR-1784	Delivery of Combination Air Release Valve / Site Inspection	3	31-Aug-18	20-Jul-18	31-Aug-18	20-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Pressure Reducing Valves																									
Ordering Material and Manufacturing																									
PR-762	Order of Pressure Reducing Valve	1	31-Aug-18	17-Mar-18	31-Aug-18	10-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	25-Jun-18 A, Ordering Material and Manufacturing											
PR-763	Manufacturing of Pressure Reducing Valve	53	31-Aug-18	01-Apr-18	31-Aug-18	29-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Pressure Reducing Valve											
PR-773	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18	25-Jun-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Pressure Reducing Valve											
Material Delivery																									
PR-023	Delivery of Pressure Reducing Valve / Site Inspection	1	31-Aug-18	10-Jul-18	31-Aug-18	10-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Flow Control Valves																									
Ordering Material and Manufacturing																									
PR-853	Order of Flow Control Valve	1	31-Aug-18	17-Mar-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	25-Jun-18 A, Ordering Material and Manufacturing											
PR-863	Manufacturing of Flow Control Valve	50	31-Aug-18	01-Apr-18	31-Aug-18	29-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Flow Control Valve											
PR-873	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	25-Jun-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Flow Control Valve											
Material Delivery																									
PR-027	Delivery of Flow Control Valves / Site Inspection	5	31-Aug-18	10-Jul-18	31-Aug-18	10-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Altitude Valve																									
Ordering Material and Manufacturing																									
PR-903	Order of Altitude Valve	1	31-Aug-18	17-Mar-18	31-Aug-18	10-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	25-Jun-18 A, Ordering Material and Manufacturing											
PR-913	Manufacturing of Altitude Valve	52	31-Aug-18	01-Apr-18	31-Aug-18	26-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Altitude Valve											
PR-923	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18	25-Jun-18	31-Aug-18	25-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Altitude Valve											
Material Delivery																									
PR-029	Delivery of Altitude Valve / Site Inspection	2	31-Aug-18	10-Jul-18	31-Aug-18	10-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Inspection at Manufacturer Facility and Receiving the initial OM Manual											
Magnetic Flow Water Meter																									
Ordering Material and Manufacturing																									
PR-030	Order of Magnetic Flow Water Meter	1	31-Aug-18	02-Jun-18	31-Aug-18	02-Jun-18	-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	01-Sep-18, Magnetic Flow Water Meter											
PR-090	Manufacturing of Magnetic Flow Water Meter	30	31-Aug-18	03-Jun-18	31-Aug-18	29-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	31-Aug-18, Ordering Material and Manufacturing											
PR-100	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18		31-Aug-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Order of Magnetic Flow Water Meter											
Material Delivery																									
PR-031	Delivery of Magnetic Flow Water Meter / Site Inspection	1	01-Sep-18		01-Sep-18		-11	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	Manufacturing of Magnetic Flow Water Meter											
Check Valves																									
Ordering Material and Manufacturing																									
PR-034	Order of Check Valve	1	31-Aug-18	27-Feb-18	31-Aug-18	27-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	0%	0%	20-Jul-18 A, Check Valves											
PR-973	Manufacturing of Check Valve	65	31-Aug-18	27-Feb-18	31-Aug-18	29-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	01-Jul-18 A, Ordering Material and Manufacturing											
PR-983	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	01-Jul-18	31-Aug-18	01-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Check Valve											

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



Date	Prepared	Approved
04-Sep-18	Sr.Planning Eng. Haneen Swaiti	Eng. Ali Naser -CEO

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AID-294-TO-17-00001 Karma Water Project											31-08-2018 Update Schedule					TASK filter: All Activities											
Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Earned Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018													
														Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Electrical Exposed Conduits																											
Ordering Material and Manufacturing																											
PR-1573	Order of Electrical Exposed Conduits	1	31-Aug-18	02-Apr-18	31-Aug-18	02-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	05-Apr-18 A, Electrical Exposed Conduits													
PR-1574	Manufacturing of Electrical Exposed Conduits	50	31-Aug-18	03-Apr-18	31-Aug-18	05-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	05-Apr-18 A, Ordering Material and Manufacturing													
PR-1584	Inspection at Manufacturer Facility/Receiving the initial OM Manual	1	31-Aug-18	05-Apr-18	31-Aug-18	05-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Electrical Exposed Conduits													
Material Delivery																											
PR-493	Delivery of Electrical Exposed Conduits / Site Inspection	1	31-Aug-18	05-Apr-18	31-Aug-18	05-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Electrical Exposed Conduits													
Lightning Protection System																											
Ordering Material and Manufacturing																											
PR-1733	Order and Manufacturer of Lightning Protection System	1	31-Aug-18	02-Apr-18	31-Aug-18	02-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility/Receiving the initial OM Manual													
PR-1734	Manufacturing of Lightning Protection System	85	31-Aug-18	05-Apr-18	31-Aug-18	26-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	05-Apr-18 A, Material Delivery													
PR-1744	Inspection at Manufacturer Facility/Receiving the initial OM Manual	1	01-Sep-18		01-Sep-18		3	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Delivery of Electrical Exposed Conduits / Site Inspection													
Material Delivery																											
PR-653	Delivery of Lightning Protection System / Site Inspection	5	02-Sep-18		06-Sep-18		3	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	06-Sep-18, Lightning Protection System													
Coating Material																											
Ordering Material and Manufacturing																											
PR-1593	Order of Coating Material	1	31-Aug-18	24-Jan-18	31-Aug-18	24-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	06-Sep-18, Material Delivery													
PR-1594	Manufacturing of Coating Material	70	31-Aug-18	24-Apr-18	31-Aug-18	24-May-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	01-Sep-18, Ordering Material and Manufacturing													
PR-1604	Inspection at Manufacturer Facility/Receiving the initial OM Manual	2	01-Sep-18		02-Sep-18		8	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Order and Manufacturer of Lightning Protection System													
Material Delivery																											
PR-513	Delivery of Coating Material /Site Inspection	5	03-Sep-18		08-Sep-18		8	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Manufacturing of Lightning Protection System													
Beacon Light System																											
Ordering Material and Manufacturing																											
PR-1633	Order of Beacon light system complete	1	31-Aug-18	02-Apr-18	31-Aug-18	02-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility/Receiving the initial OM Manual													
PR-1634	Manufacturing of Beacon light system complete	80	31-Aug-18	03-Apr-18	31-Aug-18	26-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	06-Sep-18, Material Delivery													
PR-1644	Inspection at Manufacturer Facility /Receiving the initial OM Manual	2	31-Aug-18		03-Sep-18		7	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Delivery of Lightning Protection System													
Material Delivery																											
PR-553	Delivery of Beacon light system complete /Site Inspection	5	04-Sep-18		09-Sep-18		8	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	08-Sep-18, Coating Material													
GSM/GPRS Magnetic Flow Meter																											
Material Ordered and Manufacturing																											
PR-1713	Order of GSM / GPRS magnetic flow meter	1	31-Aug-18	01-Jun-18	31-Aug-18	29-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Order of Beacon light system complete													
PR-1714	Manufacturing of GSM / GPRS magnetic flow meter	30	31-Aug-18	02-Jun-18	31-Aug-18	28-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	09-Sep-18, Beacon Light System													
PR-1724	Inspection at Manufacturer Facility	2	31-Aug-18	28-Jul-18	31-Aug-18	29-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Beacon light system complete													
Material Delivery																											
PR-633	Delivery of GSM / GPRS magnetic flow meter / Site Inspection	1	01-Sep-18		01-Sep-18		-11	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Inspection at Manufacturer Facility/Receiving the initial OM Manual													
Pressure Transmitter																											
Ordering Material and Manufacturing																											
PR-1814	Order of Pressure Transmitter	1	31-Aug-18	10-Jun-18	31-Aug-18	10-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	08-Sep-18, Material Delivery													
PR-1824	Manufacturing of Pressure Transmitter	30	31-Aug-18	11-Jun-18	31-Aug-18	25-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of Coating Material /Site Inspection													
PR-1834	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18		31-Aug-18		-10	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	09-Sep-18, Beacon Light System													
Material Delivery																											
PR-1844	Delivery of Pressure Transmitter / Site Inspection	1	01-Sep-18		01-Sep-18		-11	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	Order of Beacon light system complete													
Prepaid Water Meter and Galvanized Box																											
Ordering Material and Manufacturing																											
PR-1854	Order of Prepaid Water Meter and Galvanized Box	1	31-Aug-18	20-Feb-18	31-Aug-18	14-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility													
PR-1864	Manufacturing of Prepaid Water Meter and Galvanized Box	55	31-Aug-18	01-Mar-18	31-Aug-18	26-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	01-Sep-18, GSM/GPRS Magnetic Flow Meter													
PR-1874	Inspection at Manufacturer Facility and Receiving the initial OM Manual	2	31-Aug-18	28-Jun-18	31-Aug-18	28-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of GSM / GPRS magnetic flow meter													
PR-1944	Shipping of Prepaid Water Meter	2	31-Aug-18	25-Jul-18	31-Aug-18	14-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility													
Material Delivery																											
PR-1884	Delivery of Prepaid Water Meter and Galvanized Box / Site Inspection	1	01-Sep-18		01-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%	01-Sep-18, Material Delivery													
Angle Strainer																											
Ordering Material and Manufacturing																											
PR-1904	Order of Angle Strainer	1	31-Aug-18	30-Jan-18	31-Aug-18	25-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of GSM / GPRS magnetic flow meter													
PR-1914	Manufacturing of Angle Strainer	30	31-Aug-18	27-Feb-18	31-Aug-18	30-May-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	01-Sep-18, Pressure Transmitter													
PR-1924	Inspection at Manufacturer Facility and Receiving the initial OM Manual	1	31-Aug-18	20-Jul-18	31-Aug-18	20-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	31-Aug-18, Ordering Material and Manufacturing													
Material Delivery																											
PR-1934	Delivery of Angle Strainer / Site Inspection	4	31-Aug-18	25-Jul-18	31-Aug-18	25-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Manufacturing of Pressure Transmitter													
Execution Phase																											
Kama Elevated Reservoir																											
Site Preparation																											
A-1005	Apply Safety Measures /Temporary Fence	2	31-Aug-18	07-Dec-17	31-Aug-18	08-Dec-17		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility and Receiving the initial OM Manual													
A-1010	Site and Access road grading and preparation	2	31-Aug-18	07-Dec-17	31-Aug-18	11-Dec-17		\$7,000.00	\$7,000.00	\$7,000.00	\$0.00	100%	100%	01-Sep-18, Material Delivery													
A-1020	Demolish , Removal , Relocation of trees clear and grub site	2	31-Aug-18	07-Dec-17	31-Aug-18	11-Dec-17		\$3,000.00	\$3,000.00	\$3,000.00	\$0.00	100%	100%	Delivery of Pressure Transmitter / Site Inspection													
A-1050	Site General Excavation from natural ground levels to the required depth in a	4	31-Aug-18	12-Dec-17	31-Aug-18	20-Dec-17		\$8,190.08	\$8,190.08	\$8,190.08	\$0.00	100%	100%	01-Sep-18, Prepaid Water Meter and Galvanized Box													
A-1070	Excavation Works for Retaining Wall Foundation (80 LM)	5	31-Aug-18	12-Dec-17	31-Aug-18	20-Dec-17		\$22,890.80	\$22,890.80	\$22,890.80	\$0.00	100%	100%	Manufacturing of Prepaid Water Meter and Galvanized Box													
A-1080	Excavation works for Reservoir Foundation in any kind of soil	4	31-Aug-18	12-Dec-17	31-Aug-18	20-Dec-17		\$4,434.54	\$4,434.54	\$4,434.54	\$0.00	100%	100%	Inspection at Manufacturer Facility and Receiving the initial OM Manual													
First Stage of Retaining Walls																											
Retaining Wall Works Type M (A-B) Length=8.5 LM																											
A1721	Furnish, level, and Compact Subbase layer	2	31-Aug-18	25-Jan-18	31-Aug-18	26-Jan-18		\$120.00	\$120.00	\$120.00	\$0.00	100%	100%	Shipping of Prepaid Water Meter													
A1722	Casting Lean Concrete 10cm	1	31-Aug-18	29-Jan-18	31-Aug-18	29-Jan-18		\$750.00	\$750.00	\$750.00	\$0.00	100%	100%	01-Sep-18, Material Delivery													
A1730	Form work and Steel Rebars works for foundation	2	31-Aug-18	29-Jan-18	31-Aug-18	30-Jan-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of Prepaid Water Meter and Galvanized Box													
A1740	Cast Concrete	1	31-Aug-18	05-Feb-18	31-Aug-18	05-Feb-18		\$9,200.00	\$9,200.00	\$9,200.00	\$0.00	100%	100%	01-Sep-18, Material Delivery													
A1750	Deshutting and Concrete Curing	7	31-Aug-18	06-Feb-18	31-Aug-18	06-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Delivery of Prepaid Water Meter and Galvanized Box / Site Inspection													
A1760	Form work and Steel Rebars for walls & Installation Fence Post	2	31-Aug-18	18-Feb-18	31-Aug-18	21-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	01-Sep-18, Prepaid Water Meter and Galvanized Box													
A1770	Cast Concrete for the RW.	1	31-Aug-18	22-Feb-18	31-Aug-18	22-Feb-18		\$4,850.00	\$4,850.00	\$4,850.00	\$0.00	100%	100%	Manufacturing of Prepaid Water Meter and Galvanized Box													
A1780	Deshutting and Curing	7	31-Aug-18	22-Feb-18	31-Aug-18	25-Feb-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%	Inspection at Manufacturer Facility and Receiving the initial OM Manual													
Retaining Wall Works Type M (B-C) Length=8.5 LM																											
A1641	Furnish, level, and Compact Subbase layer	2	31-Aug-18	25-Jan-18	31-Aug-18	26-Jan-18		\$120.00	\$120.00	\$120.00	\$0.00	100%	100%	Shipping of Prepaid Water Meter													

■ Actual Work ◆ Milestone
■ Remaining Work ─ Summary
■ Critical Remaining Work



Date	Prepared	Approved
04-Sep-18	Sr.Planning Eng. Haneen Swaiti	Eng. Ali Naser -CEO

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Table with columns for Activity ID, Activity Name, Original Duration, Early Start, Actual Start, Early Finish, Actual Finish, Total Float, Budgeted Total Cost, Actual Total Cost, Earned Value Cost, Remaining Total Cost, Performance % Complete, Schedule % Complete, and a Gantt chart for 2018 (Nov-Dec, Jan-Feb, Mar-Apr, May-Jun, Jul-Aug, Sep-Oct, Nov-Dec).

Legend for work status: Actual Work (blue), Remaining Work (green), Critical Remaining Work (red), Milestone (diamond), Summary (arrow).



Approval form with fields: Date (04-Sep-18), Prepared (Sr.Planning Eng. Haneen Swaiti), and Approved (Eng. Ali Naser -CEO).

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Earned Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018												
														Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
A-3259	Concrete Curing Grid Beams & Second Fly of Third Level Stairs	7	31-Aug-18	01-Jun-18	31-Aug-18	07-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-3269	Deshutting Works for Grid Beams and 3rd Fly of Second Level Stairs	2	31-Aug-18	12-Jun-18	31-Aug-18	12-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
Fourth Level Structural Works		49	31-Aug-18	03-Jun-18	31-Aug-18	08-Aug-18		\$47,900.00	\$47,900.00	\$47,900.00	\$0.00	100%	100%													
A-2648	Scaffolding Works for Fourth Level	2	31-Aug-18	03-Jun-18	31-Aug-18	05-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2649	Shuttering Works for Fourth Level Coulmn,Fourth Level Stairs (Fly, Landing,C	3	31-Aug-18	05-Jun-18	31-Aug-18	10-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2650	Steel Reinforcement Works for Fourth Level Coulmn,First Fourth Stairs (Fly, L	4	31-Aug-18	03-Jun-18	31-Aug-18	05-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2651	Casting Concrete for Fourth Level Coulmn,Fourth Level Stairs (Fly, Landing,C	1	31-Aug-18	12-Jun-18	31-Aug-18	12-Jun-18		\$7,700.00	\$7,700.00	\$7,700.00	\$0.00	100%	100%													
A-2652	Concrete Curing for Fourth Level Coulmn,Fourth Level Stairs (Fly, Landing,Co	7	31-Aug-18	13-Jun-18	31-Aug-18	19-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2653	Deshutting Works for Fourth Level Coulmn,Fourth Level Stairs (Fly, Landing,C	2	31-Aug-18	26-Jun-18	31-Aug-18	26-Jun-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2748	Formwork for Bottom Slab and Bottom Beams and External Side Stairs	3	31-Aug-18	26-Jun-18	31-Aug-18	17-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2758	Reinforcement for Bottom Slab and Bottom Beams and External Side Stairs	4	31-Aug-18	08-Jul-18	31-Aug-18	17-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2768	Piping for all Valves (Inlet / Outlet) for Reservoir	1	31-Aug-18	10-Jul-18	31-Aug-18	28-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2778	Installation of Water Stop from Botton Slab to Walls	1	31-Aug-18	14-Jul-18	31-Aug-18	16-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2788	Casting Concrete for Bottom Slab and Bottom Beams and Side Stairs	1	31-Aug-18	17-Jul-18	31-Aug-18	17-Jul-18		\$40,200.00	\$40,200.00	\$40,200.00	\$0.00	100%	100%													
A-2798	Concrete Curing for Bottom Slab and Bottom Beams and Side Stairs	7	31-Aug-18	18-Jul-18	31-Aug-18	25-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2808	Deshutting Works for Bottom Slab and Bottom Beams and Side Stairs	2	31-Aug-18	06-Aug-18	31-Aug-18	08-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
Fifth Level (Reservoir Structure)		41	31-Aug-18	21-Jul-18	31-Aug-18	29-Aug-18		\$97,320.00	\$97,320.00	\$97,320.00	\$0.00	100%	100%													
A-2818	Formwork for Lateral Walls of Reservoir	3	31-Aug-18	21-Jul-18	31-Aug-18	04-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2828	Reinforcement for Lateral Walls of Reservoir and Central Coulmns	5	31-Aug-18	28-Jul-18	31-Aug-18	31-Jul-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2838	Closing Formwork for Lateral Walls of Reservoir and Cental Coulmns	3	31-Aug-18	01-Aug-18	31-Aug-18	04-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2848	Casting Concrete for Lateral Walls of Reservoir and Central Coulmns	1	31-Aug-18	06-Aug-18	31-Aug-18	06-Aug-18		\$57,120.00	\$57,120.00	\$57,120.00	\$0.00	100%	100%													
A-2858	Concrete Curing for Lateral Walls of Reservoir and Central Coulmns	7	31-Aug-18	07-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2868	Deshutting Works for Lateral Walls of Reservoir and Central Coulmns	3	31-Aug-18	08-Aug-18	31-Aug-18	14-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2878	Reinforcement for Roof Slab of Reservoir / Drop Beams and External Side Sta	3	31-Aug-18	12-Aug-18	31-Aug-18	15-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2888	Ventilation Pipes and Holes for Water Level Indicator	1	31-Aug-18	16-Aug-18	31-Aug-18	29-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2898	Formwork for Roof Slab of Reservoir / Drop Beams and External Side Stairs	3	31-Aug-18	09-Aug-18	31-Aug-18	17-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2908	Casting Concrete for Roof Slab of Reservoir / Drop Beams and External Side :	1	31-Aug-18	18-Aug-18	31-Aug-18	18-Aug-18		\$40,200.00	\$40,200.00	\$40,200.00	\$0.00	100%	100%													
A-2918	Concrete Curing for Roof Slab of Reservoir / Drop Beams and External Side	7	31-Aug-18	18-Aug-18	31-Aug-18	23-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2928	Deshutting Works for Roof Slab of Reservoir / Drop Beams and External Side	2	31-Aug-18	26-Aug-18	31-Aug-18	29-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
Finishing Works		9	01-Sep-18		10-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
A-2059	Tie rods remove/repair for external walls Surface	5	01-Sep-18		05-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	100%													
A-2060	Tie rods remove/repair for internal walls Surface	4	06-Sep-18		10-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	25%													
Electrical Works		154	31-Aug-18	17-Mar-18	30-Sep-18			\$57,500.00	\$12,000.00	\$12,000.00	\$45,500.00	20.87%	2.98%													
A-2085	Grounding and Earthing System	2	31-Aug-18	20-Mar-18	31-Aug-18	21-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2086	Lightning Protection System	7	08-Sep-18		15-Sep-18			\$12,000.00	\$0.00	\$0.00	\$12,000.00	0%	14.29%													
A-2087	Beacon Light System	7	16-Sep-18		23-Sep-18			\$3,000.00	\$0.00	\$0.00	\$3,000.00	0%	0%													
A-2088	Antenna and Wiring System	4	24-Sep-18		27-Sep-18			\$10,500.00	\$0.00	\$0.00	\$10,500.00	0%	0%													
A-2089	Electrical Works first Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	17-Mar-18	31-Aug-18	21-Mar-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2948	Electrical Works second Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	03-Apr-18	31-Aug-18	16-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2958	Electrical Works Third Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	03-Apr-18	31-Aug-18	16-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2968	Electrical Works Fourth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	03-Apr-18	31-Aug-18	16-Apr-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2978	Electrical Works Fifth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2988	Electrical Works Sixth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	100%													
A-2998	Electrical Works Seventh Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	50%													
A-3018	Electrical Works Eighth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	0%													
A-3028	Electrical Works ninth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	0%													
A-3038	Electrical Works Tenth Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$0.00	\$0.00	\$0.00	\$0.00	100%	0%													
A-3048	Electrical Works Eleventh Stage for Cabels, Wirs , Conduits, and Receptacles	4	31-Aug-18	13-Aug-18	31-Aug-18	13-Aug-18		\$12,000.00	\$12,000.00	\$12,000.00	\$0.00	100%	0%													
A-3049	Electrical Panels (RTU and Breaker) with Field Wiring & Conduits	2	29-Sep-18		30-Sep-18			\$20,000.00	\$0.00	\$0.00	\$20,000.00	0%	0%													
Testing		3	11-Sep-18		13-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
A2040	Testing	3	11-Sep-18		13-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
Metal Fabricated Works		8	15-Sep-18		23-Sep-18			\$54,833.42	\$0.00	\$0.00	\$54,833.42	0%	0%													
A-2063	Internal Ladder For Tank	4	15-Sep-18		18-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
A-2064	Stairs and Roof Hand Rail	4	15-Sep-18		18-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
A-2065	Water Level Indicator	4	15-Sep-18		18-Sep-18			\$0.00	\$0.00	\$0.00	\$0.00	0%	0%													
A-2066	Supply And Install Roof Hatch, Grating for Roof	4	15-Sep-18		18-Sep-18			\$50,833.42	\$0.00	\$0.00	\$50,833.42	0%	0%													
A-2067	Supply And Install Roof Air Vents	4	15-Sep-18		18-Sep-18			\$0.00	\$0.00	\$0.00																

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Earned Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018													
														Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Sectional Testing Works																											
A11550	Sectional Testing Pressure	5	12-Sep-18		17-Sep-18		-7	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%														
		5	12-Sep-18		17-Sep-18		-7	\$0.00	\$0.00	\$0.00	\$0.00	0%	20%														
Threaded Steel Pipes																											
Distribution Net (KAR22,KAR23,KAR26,KAR27,KAR48A,KAR48) 50mm Single Pipelines																											
		134	31-Aug-18	31-Jan-18	05-Sep-18		-10	\$91,074.00	\$86,712.00	\$86,712.00	\$4,362.00	95.21%	100%														
		134	31-Aug-18	31-Jan-18	05-Sep-18		-10	\$91,074.00	\$86,712.00	\$86,712.00	\$4,362.00	95.21%	100%														
Pipelines Installation																											
		10	31-Aug-18	31-Jan-18	31-Aug-18	05-Feb-18		\$72,912.00	\$72,912.00	\$72,912.00	\$0.00	100%	100%														
A11560	Apply Safety Measurements / Digging Works and Trench Excavation	10	31-Aug-18	31-Jan-18	31-Aug-18	05-Feb-18		\$18,032.00	\$18,032.00	\$18,032.00	\$0.00	100%	100%														
A11570	Bedding	10	31-Aug-18	31-Jan-18	31-Aug-18	05-Feb-18		\$21,952.00	\$21,952.00	\$21,952.00	\$0.00	100%	100%														
A11580	Lay and Install Steel Pipe(Welding/Joining) and Apply Testing /Concrete Enca	10	31-Aug-18	31-Jan-18	31-Aug-18	05-Feb-18		\$32,928.00	\$32,928.00	\$32,928.00	\$0.00	100%	100%														
Chamber Works																											
Structural and Civil Works																											
A11590	Gate Valve 2" Chamber @ St 0+0012/ Kar-22	2	31-Aug-18	29-Mar-18	31-Aug-18	24-Jun-18		\$13,800.00	\$13,800.00	\$13,800.00	\$0.00	100%	100%														
A11600	Gate Valve 2" Chamber @ St 0+0012/ Kar-23	2	31-Aug-18	29-Mar-18	31-Aug-18	15-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A11610	Gate Valve 2" Chamber @ St 0+0010/ Kar-27	2	31-Aug-18	29-May-18	31-Aug-18	23-Jun-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A11640	Gate Valve 2" Chamber @ St 0+007/ Kar-48A 2 Gate Valve on 48 (St 0+247	2	31-Aug-18	21-May-18	31-Aug-18	24-Jun-18		\$6,900.00	\$6,900.00	\$6,900.00	\$0.00	100%	100%														
Mechanical and Finishing Works																											
A11950	Gate Valve 2" Chamber @ St 0+0012/ Kar-22	1	04-Sep-18		04-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A11960	Gate Valve 2" Chamber @ St 0+0012/ Kar-23	1	04-Sep-18		04-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A11970	Gate Valve 2" Chamber @ St 0+0010/ Kar-27	1	04-Sep-18		04-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A12000	Gate Valve 2" Chamber @ St 0+007/ Kar-48A 2 Gate Valve on 48 (St 0+247	1	04-Sep-18		04-Sep-18		-11	\$2,181.00	\$0.00	\$0.00	\$2,181.00	0%	100%														
Sectional Testing Works																											
A11690	Sectional Testing Pressure	1	05-Sep-18		05-Sep-18		-10	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%														
		1	05-Sep-18		05-Sep-18		-10	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%														
Zone#3																											
Threaded Steel Pipes																											
Distribution Net (KAR7,KAR16,KAR17,KAR21,KAR35) 50mm Single Pipelines																											
		128	31-Aug-18	11-Jan-18	10-Sep-18		-11	\$72,123.50	\$65,658.50	\$65,658.50	\$6,465.00	91.04%	100%														
		128	31-Aug-18	11-Jan-18	10-Sep-18		-11	\$72,123.50	\$65,658.50	\$65,658.50	\$6,465.00	91.04%	100%														
Pipelines Installation																											
A12180	Apply Safety Measurements / Digging Works and Trench Excavation	14	31-Aug-18	11-Jan-18	31-Aug-18	05-Mar-18		\$45,058.50	\$45,058.50	\$45,058.50	\$0.00	100%	100%														
A12190	Bedding	14	31-Aug-18	11-Jan-18	31-Aug-18	05-Mar-18		\$13,566.00	\$13,566.00	\$13,566.00	\$0.00	100%	100%														
A12200	Lay and Install Steel Pipe(Welding/Joining) and Apply Testing /Concrete Enca	14	31-Aug-18	11-Jan-18	31-Aug-18	05-Mar-18		\$20,349.00	\$20,349.00	\$20,349.00	\$0.00	100%	100%														
Chamber Works																											
Structural and Civil Works																											
A12210	Gate Valve 2" Chamber @ St 0+050/ Kar-16	2	31-Aug-18	03-Apr-18	31-Aug-18	12-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12211	Gate Valve 2" Chamber @ St 0+006.33/ Kar-17	2	31-Aug-18	19-Mar-18	31-Aug-18	28-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12220	Gate Valve 2" Chamber @ St 0+205/ Kar-7	2	31-Aug-18	19-Mar-18	31-Aug-18	12-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12230	Gate Valve 2" Chamber @ St 0+005/ Kar-7	2	31-Aug-18	08-Apr-18	31-Aug-18	19-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12510	G.V Valve 2" Chamber @ St 0+006/ Kar-35	2	31-Aug-18	04-Jun-18	31-Aug-18	26-Jun-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12520	W.O Valve 2" Chamber @ St 0+058.73/ Kar-35	2	31-Aug-18	29-May-18	31-Aug-18	04-Aug-18		\$4,500.00	\$4,500.00	\$4,500.00	\$0.00	100%	100%														
A12540	Gate Valve 2" Chamber @ St 0+110/ Kar-35 and Gate Valve 2" Chamber @	2	31-Aug-18	21-May-18	31-Aug-18	26-Jun-18		\$4,600.00	\$4,600.00	\$4,600.00	\$0.00	100%	100%														
Mechanical and Finishing Works																											
A12280	Gate Valve 2" Chamber @ St 0+050/ Kar-16	2	05-Sep-18		06-Sep-18		-11	\$6,465.00	\$0.00	\$0.00	\$6,465.00	0%	100%														
A12281	Gate Valve 2" Chamber @ St 0+006.33/ Kar-17	2	05-Sep-18		06-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A12290	Gate Valve 2" Chamber @ St 0+110/ Kar-35 and Gate Valve 2" Chamber @	2	05-Sep-18		06-Sep-18		-11	\$1,454.00	\$0.00	\$0.00	\$1,454.00	0%	100%														
A12300	Gate Valve 2" Chamber @ St 0+005/ Kar-7	2	05-Sep-18		06-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A12560	W.O Valve 2" Chamber @ St 0+058.73/ Kar-35	2	05-Sep-18		06-Sep-18		-11	\$1,376.00	\$0.00	\$0.00	\$1,376.00	0%	100%														
A12570	Gate Valve 2" Chamber @ St 0+205/ Kar-7	2	05-Sep-18		06-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
A12590	G.V Valve 2" Chamber @ St 0+006/ Kar-35	2	05-Sep-18		06-Sep-18		-11	\$727.00	\$0.00	\$0.00	\$727.00	0%	100%														
Sectional Testing Works																											
A12270	Sectional Testing Pressure	3	08-Sep-18		10-Sep-18		-11	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%														
		3	08-Sep-18		10-Sep-18		-11	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%														
Zone#4																											
Threaded Steel Pipes																											
Distribution Net (KAR5,KAR6,KAR8,KAR28,KAR29,KAR30,KAR31,KAR32,KAR50,KAR6A) 50mm																											
		124	31-Aug-18	21-Dec-17	12-Sep-18		-2	\$164,612.50	\$134,501.50	\$134,501.50	\$30,111.00	81.71%	100%														
		124	31-Aug-18	21-Dec-17	12-Sep-18		-2	\$164,612.50	\$134,501.50	\$134,501.50	\$30,111.00	81.71%	100%														
Pipelines Installation																											
A12340	Apply Safety Measurements / Digging Works and Trench Excavation	15	31-Aug-18	21-Dec-17	31-Aug-18	21-Jun-18		\$68,401.50	\$68,401.50	\$68,401.50	\$0.00	100%	100%														
A12350	Bedding	15	31-Aug-18	23-Dec-17	31-Aug-18	21-Jun-18		\$16,916.50	\$16,916.50	\$16,916.50	\$0.00	100%	100%														
A12360	Lay and Install Steel Pipe(Welding/Joining) and Apply Testing /Concrete Enca	15	31-Aug-18	23-Dec-17	31-Aug-18	21-Jun-18		\$30,891.00	\$30,891.00	\$30,891.00	\$0.00	100%	100%														
Chamber Works																											
Structural and Civil Works																											
A12390	Gate Valve 2" Chamber @ St 0+003/ Kar-005	2	31-Aug-18	17-Mar-18	31-Aug-18	28-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12400	Gate Valve 2" Chamber @ St 0+195/ Kar-5	2	31-Aug-18	17-Mar-18	31-Aug-18	28-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12410	Gate Valve 2" Chamber @ St 0+395/ Kar-5	2	31-Aug-18	17-Mar-18	31-Aug-18	28-Apr-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12600	Gate Valve 2" Chamber @ St 0+449/ Kar-5	2	31-Aug-18	17-Mar-18	31-Aug-18	16-Jul-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12610	Gate Valve 2" Chamber @ St 0+005/ Kar-6	2	31-Aug-18	17-Mar-18	31-Aug-18	07-May-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12620	Gate Valve 2" Chamber @ St 0+285/ Kar-6	2	31-Aug-18	17-Mar-18	31-Aug-18	07-May-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12640	Gate Valve 2" Chamber @ St 0+440/ Kar-6	2	31-Aug-18	17-Mar-18	31-Aug-18	07-May-18		\$2,300.00	\$2,300.00	\$2,300.00	\$0.00	100%	100%														
A12650	Gate Valve 2" Chamber @ St 0+476/ Kar-6	2	31-Aug-18																								

AID-294-TO-17-00001 Karma Water Project

31-08-2018 Update Schedule

TASK filter: Critical.

Activity ID	Activity Name	Original Duration	Early Start	Actual Start	Early Finish	Actual Finish	Total Float	Budgeted Total Cost	Actual Total Cost	Eamed Value Cost	Remaining Total Cost	Performance % Complete	Schedule % Complete	2018																			
														Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
AID-294-TO-17-00001 Karma Water Project																																	
Milestones																																	
General Milestones																																	
MS-002	End of the Project (Completion Date)	0	15-Nov-18		15-Nov-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Intermediate Milestones																																	
MS-018	End of Karma Distribution Network	0			14-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
MS-019	End of Karma Transmission Pipeline	0			14-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Submittals																																	
Construction Submittals																																	
Method Statements																																	
CS-779	Prep. and Submit Start Up and Commissioning Results	2	29-Oct-18		30-Oct-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
CS-789	Approval for the Start Up and Commissioning Results	7	31-Oct-18		06-Nov-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Post Construction Submittals																																	
PS-009	Collect all the Final Operation&Maintenance (O&M) Manual and Submit it.	2	15-Oct-18		16-Oct-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Procurement																																	
Supply and Deliver of Steel Pipes,Fittings,Valves,Instruments,Paints By ABC																																	
Prepaid Water Meter and Galvanized Box																																	
Material Delivery																																	
PR-1884	Delivery of Prepaid Water Meter and Galvanized Box / Site Inspection	1	01-Sep-18		01-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%																				
Execution Phase																																	
Main Transmission Line and Distribution Network																																	
Karma Transmission Pipeline Execution Phase																																	
Trans Main KAR-1 (St.0+140-St.0+275) & KAR-2 (St.0+135 -St.0+0) Double Trench (100mm,75mm)																																	
Chamber Works																																	
Structural and Civil Works																																	
A10450	Gate Valve 3" Chamber @ St 0+010 / Kar-2	1	01-Sep-18		01-Sep-18		-13	\$4,000.00	\$0.00	\$0.00	\$4,000.00	0%	100%																				
First Layer Reinstatement Works TPL in Karma																																	
A9460	Karma Transmission Pipeline First Reinstatement Layer	1	01-Sep-18		01-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%																				
Karma Distribution Network Execution Phase																																	
First Layer Reinstatement Works DNW in Karma																																	
A9450	Karma DNW First Reinstatement Layer ZONE#001	7	02-Sep-18		09-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	100%																				
A9451	Karma DNW First Reinstatement Layer ZONE#002	7	10-Sep-18		17-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	71.43%																				
A9452	Karma DNW First Reinstatement Layer ZONE#003	7	18-Sep-18		25-Sep-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
A9453	Karma DNW First Reinstatement Layer ZONE#004	9	26-Sep-18		06-Oct-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Karma House Connection Execution Phase																																	
House Connection for Zone #1																																	
Prepaid Water Meter and Galvanized Box																																	
A13160	Install Prepaid Water Meter with Galvanized Steel Box	9	02-Sep-18		11-Sep-18		-13	\$38,250.00	\$0.00	\$0.00	\$38,250.00	0%	100%																				
House Connection for Zone #2																																	
Prepaid Water Meter and Galvanized Box																																	
A13230	Install Prepaid Water Meter with Galvanized Steel Box	7	12-Sep-18		19-Sep-18		-13	\$22,500.00	\$0.00	\$0.00	\$22,500.00	0%	42.86%																				
House Connection for Zone #3																																	
Prepaid Water Meter and Galvanized Box																																	
A13300	Install Prepaid Water Meter with Galvanized Steel Box	7	20-Sep-18		27-Sep-18		-13	\$27,375.00	\$0.00	\$0.00	\$27,375.00	0%	0%																				
House Connection for Zone #4																																	
Prepaid Water Meter and Galvanized Box																																	
A13370	Install Prepaid Water Meter with Galvanized Steel Box	14	29-Sep-18		14-Oct-18		-13	\$58,875.00	\$0.00	\$0.00	\$58,875.00	0%	0%																				
Disinfection , Final Reinstatement Works TPL / DNW in Karma																																	
A9480	Final Reinstatement Works (Asphalting)	7	07-Oct-18		14-Oct-18		-13	\$307,085.00	\$0.00	\$0.00	\$307,085.00	0%	0%																				
A9740	Concrete Works	7	07-Oct-18		14-Oct-18		-13	\$24,000.00	\$0.00	\$0.00	\$24,000.00	0%	0%																				
Demobilization, Inspection,Commissioning,Close Out & Handing Over																																	
Initial Snag Lists																																	
A5690	Initial Snag List and WaKThrough for Main Transmission Pipeline and Network	4	17-Oct-18		20-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
A5691	Initial Snag List and WaKThrough for Karma Reservoir	4	17-Oct-18		20-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Certificates of Proper Installation for Installed Equipments (Pre Commissioning)																																	
A9570	Certificate of Proper Installation for Installed Equipments.	4	17-Oct-18		20-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Comissioning and Start Up																																	
A5679	Comissioning and Start Up Phase for all System	8	21-Oct-18		28-Oct-18		-15	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
A5680	Operation Acceptance Testing for the Complete Facility TP/DNW	2	07-Nov-18		08-Nov-18		-15	\$10,000.00	\$0.00	\$0.00	\$10,000.00	0%	0%																				
A9780	Operation Acceptance Testing for the Complete Facility Reservoir	2	07-Nov-18		08-Nov-18		-15	\$3,000.00	\$0.00	\$0.00	\$3,000.00	0%	0%																				
Final Snag Lists																																	
A9700	Final Snag List and Start up and Handing Over for Main Transmission Pipeline	2	10-Nov-18		11-Nov-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
A9710	Final Snag List and Start up and Handing Over for Karma Reservoir	2	10-Nov-18		11-Nov-18		-13	\$0.00	\$0.00	\$0.00	\$0.00	0%	0%																				
Demobilization and Handing Over																																	
A5710	Summary of Demobilization	4	12-Nov-18		15-Nov-18		-15	\$22,796.89	\$0.00	\$0.00	\$22,796.89	0%	0%																				

Actual Work
 Remaining Work
 Critical Remaining Work

Milestone
 Summary



Date	Prepared	Approved
04-Sep-18	Sr.Planning Eng. Haneen Swaiti	Eng. Ali Naser -CEO



USAID | **WEST BANK/GAZA**

FROM THE AMERICAN PEOPLE

ANNEX D

Geo-MIS Data

USAID WEST BANK/ GAZA
 ARCHITECTURE AND ENGINEERING SERVICES
 CONTRACT NO. AID-294-I-13-00003
 TASK ORDER NO. AID-294-TO-17-00001
 PROJECT NAME: KARMA WATER PROJECT



Temporary Job Days Summary Report

Task Order Name: Karma Water Project

PERIOD FROM: October 23, 2017

Project # and Name: TO-17-00001 Karma Water Project

PERIOD TO: August 31, 2018

Contractor: Arab Brothers Construction & Infrastructure Group

Sub-contractor:

Date		Site Staff Job Days**					Total Job Days	Total No. of Full Time Equivalent (FTE) Jobs in the Month*	Total Job Days (Male)	Total Job Days (Female)	No of Male Full Time Equivalent (FTE) Jobs in the Month*	No of Female Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other							
October	2017	0.00	16.00	3.00	0.00	0.00	19.00	0.80	11.00	8.00	0.46	0.34	
November	2017	73.00	43.00	34.00	12.00	3.00	165.00	6.93	140.00	25.00	5.88	1.05	
December	2017	79.50	54.00	130.25	86.75	77.75	428.25	17.99	376.50	51.75	15.82	2.17	
January	2018	92.75	84.75	276.63	191.25	111.00	756.38	31.78	704.38	52.00	29.60	2.18	
February	2018	85.88	109.63	394.88	224.75	94.00	909.13	38.20	861.13	48.00	36.18	2.02	
March	2018	77.50	86.13	361.38	272.63	97.00	894.63	37.59	843.63	51.00	35.45	2.14	
April	2018	93.63	90.75	333.00	292.63	101.00	911.00	38.28	858.50	52.50	36.07	2.21	
May	2018	82.63	97.50	262.75	209.13	101.50	753.50	31.66	701.00	52.50	29.45	2.21	
June	2018	61.88	82.50	152.63	102.75	82.50	482.25	20.26	441.00	41.25	18.53	1.73	
July	2018	101.25	143.00	338.13	209.38	118.50	910.25	38.25	850.75	59.50	35.75	2.50	
August	2018	76.00	105.75	220.25	170.88	132.00	704.88	29.62	641.13	63.75	26.94	2.68	
Total of FY 18							6934.25	291.36	6429.00	505.25	270.13	21.23	

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
ARCHITECTURE AND ENGINEERING SERVICES
CONTRACT NO. AID-294-I-13-00003
TASK ORDER NO. AID-294-TO-17-00001
PROJECT NAME: KARMA WATER PROJECT
TEMPORARY JOB DAYS REPORT



Task Order Name: Karma Water Project
Project # and Name: TO-17-00001 Karma Water Project
Contractor Arab Brothers Construction & Infrastructure Group
Sub-contractor

PERIOD FROM: August 01, 2018
PERIOD TO: August 31, 2018

DATE	Site Staff Job Days **																					Man-days*					Gender Aggregated Man-days*																			
	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 & Envt. Manager	Project Engineer	Surveyor	Surveyor Assistant	Electrical Engineer	CWI	Office Engineer (F)	Skilled Labor	Equipment Operator	Carpenters	Foreman	Unskilled Labor	Flagman	Office Boy	House Keeper (F)	Storage Yard Guard	Security Guard								Reservoir Guard																			
August 1, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	27.00	48.00	36.00	0.00	63.00	18.00	8.00	8.00	8.00	8.00	12.00	3.75	4.75	13.88	10.13	5.50	35.75	2.25																			
August 2, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	27.00	45.00	45.00	0.00	63.00	18.00	8.00	8.00	8.00	8.00	12.00	3.75	5.75	14.63	10.13	5.50	37.50	2.25																			
August 3, 2018	Weekend Holiday "Friday"																			12.00																			0.00	0.00	0.00	0.00	1.50	1.50	0.00	
August 4, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	50.00	30.00	20.00	0.00	40.00	10.00	8.00	8.00	8.00	8.00	12.00	3.75	5.75	12.50	6.25	5.50	31.50	2.25																			
August 5, 2018	10.00	0.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	30.00	30.00	40.00	0.00	60.00	20.00	8.00	8.00	8.00	8.00	12.00	2.50	5.75	12.50	10.00	5.50	34.00	2.25																			
August 6, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	30.00	30.00	40.00	0.00	50.00	10.00	8.00	8.00	8.00	8.00	12.00	3.75	5.75	12.50	7.50	5.50	32.75	2.25																			
August 7, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	50.00	20.00	30.00	0.00	70.00	10.00	8.00	8.00	8.00	8.00	12.00	3.75	5.75	12.50	10.00	5.50	35.25	2.25																			
August 8, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	30.00	20.00	30.00	0.00	70.00	20.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	10.00	11.25	4.50	31.00	3.25																			
August 9, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	20.00	20.00	30.00	0.00	60.00	10.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	8.75	8.75	4.50	27.25	3.25																			
August 10, 2018	Weekend Holiday "Friday"																			8.00																			0.00	0.00	1.00	0.00	1.50	2.50	0.00	
August 11, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	4.00	10.00	18.00	18.00	0.00	0.00	27.00	9.00	0.00	16.00	8.00	0.00	12.00	3.75	5.25	4.50	4.50	4.50	19.25	3.25																			
August 12, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	27.00	18.00	45.00	0.00	54.00	9.00	0.00	16.00	8.00	8.00	12.00	3.75	4.75	11.25	7.88	5.50	29.88	3.25																			
August 13, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	8.00	10.00	20.00	20.00	50.00	0.00	80.00	10.00	0.00	16.00	8.00	0.00	12.00	3.75	5.75	11.25	11.25	4.50	33.25	3.25																			
August 14, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	20.00	20.00	50.00	0.00	80.00	10.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	11.25	11.25	4.50	32.25	3.25																			
August 15, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	40.00	20.00	40.00	0.00	70.00	20.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	12.50	11.25	4.50	33.50	3.25																			
August 16, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	20.00	30.00	40.00	0.00	80.00	10.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	11.25	11.25	4.50	32.25	3.25																			
August 17, 2018	Weekend Holiday "Friday"																			12.00																			0.00	0.00	0.00	0.00	3.00	3.00	0.00	
August 18, 2018	10.00	10.00	10.00	20.00	0.00	0.00	8.00	0.00	10.00	20.00	20.00	40.00	0.00	90.00	10.00	0.00	16.00	8.00	0.00	12.00	3.75	4.75	10.00	12.50	4.50	32.25	3.25																			
August 19, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	8.00	24.00	0.00	0.00	24.00	8.00	0.00	16.00	8.00	0.00	12.00	3.00	4.00	4.00	4.00	4.50	16.50	3.00																			
August 20, 2018	Eid Al Adha Holiday																			12.00																			0.00	0.00	0.00	0.00	3.00	3.00	0.00	
August 21, 2018																				12.00																				0.00	0.00	0.00	0.00	3.00	3.00	0.00
August 22, 2018																				12.00																				0.00	0.00	0.00	0.00	3.00	3.00	0.00
August 23, 2018																				12.00																				0.00	0.00	0.00	0.00	3.00	3.00	0.00
August 24, 2018	Weekend Holiday "Friday"																			12.00																			0.00	0.00	0.00	0.00	3.00	3.00	0.00	
August 25, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	8.00	16.00	0.00	0.00	24.00	16.00	0.00	16.00	8.00	0.00	12.00	3.00	4.00	3.00	5.00	4.50	16.50	3.00																			
August 26, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	24.00	16.00	16.00	0.00	8.00	8.00	0.00	16.00	8.00	0.00	12.00	3.00	4.00	7.00	2.00	4.50	17.50	3.00																			
August 27, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	24.00	16.00	32.00	0.00	24.00	0.00	0.00	16.00	8.00	0.00	12.00	3.00	4.00	9.00	3.00	4.50	20.50	3.00																			
August 28, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	24.00	16.00	32.00	0.00	24.00	0.00	0.00	16.00	8.00	0.00	12.00	3.00	4.00	9.00	3.00	4.50	20.50	3.00																			
August 29, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	24.00	16.00	32.00	0.00	24.00	8.00	0.00	16.00	8.00	8.00	12.00	3.00	4.00	9.00	4.00	5.50	22.50	3.00																			
August 30, 2018	8.00	8.00	8.00	16.00	0.00	0.00	8.00	0.00	8.00	24.00	16.00	32.00	0.00	32.00	16.00	0.00	16.00	8.00	8.00	12.00	3.00	4.00	9.00	6.00	5.50	24.50	3.00																			
August 31, 2018	Weekend Holiday "Friday"																			12.00																			0.00	0.00	0.00	0.00	3.00	3.00	0.00	
Total of Month	206.00	196.00	206.00	412.00	0.00	0.00	176.00	52.00	206.00	573.00	509.00	680.00	0.00	1117.00	250.00	48.00	304.00	284.00	72.00	348.00	76.00	105.75	220.25	170.88	132.00	641.13	63.75																			

* 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.
 In accordance to contract requirements and specifications, Contractors are requested to collect and report data on USAID Indicators using the attached Job-Days reports.
 Contractors are requested to conform to Contract specifications and carefully consider the below requirements:
 • All Job-Days reports' calculations shall be based on working hours.
 • In the case of one task order with more than one project, Man-days of employment for staff assigned on Task Order level shall be equally distributed over the active projects. For example, a Task Order Manager's Man-days for a task order that consists of three (3) projects, two (2) of which are active, shall be evenly distributed over the two (2) active projects.
 • Each individual project shall be reported on separately.
 • Neither expatriate Man-days of employment (i.e. those worked by American or other Third Country National staff) nor management nor administrative Man-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.
 • Contractors shall provide the Engineer in writing with the classification of manpower (including subcontractors' staff) in accordance with Geo-MIS categories (Management, Engineers, Skilled Labor, Unskilled Labor and other).
 • GEO-MIS activity level indicator reporting shall be included in Monthly Reports submitted to the Contracting Officer Representative (COR) in accordance to contract requirements.

AES-WBG Geo MIS Reporting Updates:
 - In the Job-days Report, Gender Aggregated job-days for each working day shall be reported separately. Consequently, monthly totals shall also be generated separately for both genders.
 - Under Worker/Classification Hours section, Female positions shall always be identified with the (F) letter.
 - In the Summary Report, Full Time Equivalent (FTE) sections for Males and Females shall be separately reported in addition to the project's total FTE for each month.



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ANNEX E

Testing Reports Log

Pending - Under CMC Review
Code B - To Be Closed
Code C/D - Resubmit

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
1	CW05-ABC-TST-00001-00	Bedding Material Aggregate -Test Report for KAR-6 Pipeline at Sta. 0+030. Test report #: BM/QC/17161.	December 28, 2017	January 27, 2018	January 3, 2018	6	A
2	CW05-ABC-TST-00002-00	Backfill Materials - Coarse Aggregate -Test Report for KAR-5 Pipeline at Sta. 0+500. Test report #: BM/QC/17162.	December 28, 2017	January 27, 2018	January 3, 2018	6	A
3	CW05-ABC-TST-00003-00	Geotechnical Inspection Report for Karma Reservoir and Retaining Walls. Test Report #:ST/17223/INSP	January 3, 2018	February 2, 2018	January 11, 2018	8	A
4	CW05-ABC-TST-00004-00	Ready Mix Concrete for Pre-Cast Manholes (120*120*110cm) at 7 Days. Test Report #: BM/CT/18169.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
5	CW05-ABC-TST-00005-00	Backfill Materials – Coarse Aggregate -Test Report for KAR-50 Pipeline at Sta. 0+000. Test Report #: BM/QC/18005.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
6	CW05-ABC-TST-00006-00	Bedding Material Aggregate -Test Report for KAR-50 Pipeline at Sta. 0+000. Test Report #: BM/QC/18004.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
7	CW05-ABC-TST-00007-00	Base Course Materials -Test Report for KAR-50 Pipeline at Sta. 0+000. Test Report #: ST/18011.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
8	CW05-ABC-TST-00008-00	Reinforcement Deformed Steel Bars for $\phi 12$, $\phi 14$, $\phi 16$, $\phi 20$ and $\phi 25$ mm. Test Report #: BM/STL/18002.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
9	CW05-ABC-TST-00009-00	Retaining Wall Overall Global Stability Analysis for Eastern RW around Karma Reservoir. Report #: SI/18022.	February 4, 2018	March 6, 2018	February 7, 2018	3	E
10	CW05-ABC-TST-00010-00	Retaining Wall Overall Global Stability Analysis for Southern RW around Karma Reservoir. Report #: SI/18022.	February 4, 2018	March 6, 2018	February 7, 2018	3	E
11	CW05-ABC-TST-00011-00	Retaining Wall Overall Global Stability Analysis for Western RW around Karma Reservoir. Report #: SI/18022.	February 4, 2018	March 6, 2018	February 7, 2018	3	E
12	CW05-ABC-TST-00012-00	Ready Mix Concrete Test for Pre-Cast Manholes at 7 and 28 Days. Tests Report #: BM/CT/18169	February 5, 2018	March 7, 2018	February 7, 2018	2	A
13	CW05-ABC-TST-00013-00	Radiography of Welds for 3", 4" and 6" Elbows - Report No. 48289 (Report and X-Ray Films)	February 8, 2018	March 10, 2018	February 25, 2018	17	B
14	CW05-ABC-TST-00014-00	Retaining Wall Overall Global Stability Analysis for Northern RW around Karma Reservoir (TYP-V-B). Report #: SI/18034-A.	February 12, 2018	March 14, 2018	February 19, 2018	7	E
15	CW05-ABC-TST-00015-00	Retaining Wall Overall Global Stability Analysis for Northern RW around Karma Reservoir (TYP-III-A). Report #: SI/18034-B.	February 12, 2018	March 14, 2018	February 19, 2018	7	E
16	CW05-ABC-TST-00016-00	Retaining Wall Overall Global Stability Analysis for Northern RW around Karma Reservoir (TYP S-RW-042). Report #: SI/18034-C.	February 12, 2018	March 14, 2018	February 19, 2018	7	E
17	CW05-ABC-TST-00017-00	Retaining Wall Overall Global Stability Analysis for Northern RW around Karma Reservoir (TYP-IV-A). Report #: SI/18030.	February 12, 2018	March 14, 2018	February 19, 2018	7	E
18	CW05-ABC-TST-00018-00	Ready Mix Concrete for Foundations of the Retaining Wall at 7 Days. Test Report #: BM/CT/18301.	February 15, 2018	March 17, 2018	February 19, 2018	4	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
19	CW05-ABC-TST-00019-00	Trial Mix for 30 MPa With Admixture 2 J.7 at 7 Days. Test Report #: BM/CT/18302.	February 15, 2018	March 17, 2018	February 19, 2018	4	C
20	CW05-ABC-TST-00019-01	Trial Mix for 30 MPa With Admixture 2 J.7 at 7 Days. Test Report #: BM/CT/18302.	April 1, 2018	May 1, 2018	April 10, 2018	9	C
21	CW05-ABC-TST-00019-02	Trial Mix for 30 MPa With Admixture 2 J.7 at 7 Days. Test Report #: BM/CT/18302.	May 9, 2018	June 8, 2018	May 16, 2018	7	A
22	CW05-ABC-TST-00020-00	Trial Mix for 30 MPa With Admixture 2 SP 430 at 7 Days. Test Report #: BM/CT/18303.	February 15, 2018	March 17, 2018	February 19, 2018	4	C
23	CW05-ABC-TST-00020-01	Trial Mix for 30 MPa With Admixture 2 SP 430 at 7 Days. Test Report #: BM/CT/18303.	April 1, 2018	May 1, 2018	April 9, 2018	8	A
24	CW05-ABC-TST-00021-00	Trial Mix for 35 MPa With Admixture 2 J.7 at 7 Days. Test Report #: BM/CT/18304.	February 15, 2018	March 17, 2018	February 19, 2018	4	A
25	CW05-ABC-TST-00022-00	Trial Mix for 35 MPa With Admixture 2 SP 430 at 7 Days. Test Report #: BM/CT/18305.	February 15, 2018	March 17, 2018	February 19, 2018	4	C
26	CW05-ABC-TST-00022-01	Trial Mix for 35 MPa With Admixture 2 SP 430 at 7 Days. Test Report #: BM/CT/18305.	April 1, 2018	May 1, 2018	April 9, 2018	8	A
27	CW05-ABC-TST-00023-00	Trial Mix (Field Batch) for 24-MPa (at 7 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18251.	February 19, 2018	March 21, 2018	February 27, 2018	8	A
28	CW05-ABC-TST-00024-00	Trial Mix (Field Batch) for 30-MPa (at 7 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18252.	February 19, 2018	March 21, 2018	February 27, 2018	8	A
29	CW05-ABC-TST-00025-00	Trial Mix (Field Batch) for 35-MPa (at 7 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18253.	February 19, 2018	March 21, 2018	February 27, 2018	8	A
30	CW05-ABC-TST-00026-00	Base Course Material -Test Report for KAR-4 Pipeline at Sta. 0+170. Test Report #: ST/18037.	February 21, 2018	March 23, 2018	March 5, 2018	12	A
31	CW05-ABC-TST-00027-00	Test Report for Tie Rods – Screw Threaded. Test Report #: BM/STL/18009.	February 21, 2018	March 23, 2018	March 5, 2018	12	A
32	CW05-ABC-TST-00028-00	Backfill Materials - Coarse Aggregate -Test Report for KAR-4 Pipeline at Sta. 0+590 Source (Jedah (Al Jabari) Crusher Plant) Test report #: BM/QC/18035	February 25, 2018	March 27, 2018	March 5, 2018	8	A
33	CW05-ABC-TST-00029-00	Bedding Material Aggregate -Test Report for KAR-4 Pipeline at Sta. 0+590 Source (Jedah (Al Jabari) Crusher Plant) Test Report #: BM/QC/18036	February 25, 2018	March 27, 2018	March 5, 2018	8	A
34	CW05-ABC-TST-00030-00	Trial Mix (Field Batch) for 24-MPa (at 28 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18373	February 26, 2018	March 28, 2018	March 7, 2018	9	A
35	CW05-ABC-TST-00031-00	Trial Mix (Field Batch) for 30-MPa (at 28 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18374	February 26, 2018	March 28, 2018	March 7, 2018	9	A
36	CW05-ABC-TST-00032-00	Trial Mix (Field Batch) for 35-MPa (at 28 Days) from Zalloum Ready Mix Concrete Plant. Test Report #: BM/CT/18375	February 26, 2018	March 28, 2018	March 7, 2018	9	A
37	CW05-ABC-TST-00033-00	Base Course Materials -Test Report for KAR-4 Pipeline at Sta. 0+590 Source (Jedah (Al Jabari) Crusher Plant) Test Report #: ST/18045	March 6, 2018	April 5, 2018	March 8, 2018	2	A
38	CW05-ABC-TST-00034-00	Ready-Mix Concrete for Blinding Concrete for the Southern and Eastern Retaining Walls (at 28 Days) Test Report #: BM/CT/18263	March 6, 2018	April 5, 2018	March 8, 2018	2	A
39	CW05-ABC-TST-00035-00	Ready-Mix Concrete for Lean Concrete for the Northern Retaining Wall (at 7 Days) Test Report #: BM/CT/18383	March 6, 2018	April 5, 2018	March 8, 2018	2	A
40	CW05-ABC-TST-00036-00	Ready-Mix Concrete for the Southern Retaining Wall-Part 1 (at 7 Days) Test Report #: BM/CT/18389	March 6, 2018	April 5, 2018	March 8, 2018	2	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
41	CW05-ABC-TST-00037-00	Ready-Mix Concrete for Pre-Cast Manholes (120*120*110cm) at 7 Days. Test Report #: BM/CT/18406	March 6, 2018	April 5, 2018	March 14, 2018	8	A
42	CW05-ABC-TST-00038-00	Ready-Mix Concrete for Retaining Wall Foundation Type (42A-C & V-B) at 7 Days. Test Report #: BM/CT/18440	March 12, 2018	April 11, 2018	March 14, 2018	2	A
43	CW05-ABC-TST-00039-00	Ready-Mix Concrete for Lean Concrete for Retaining Wall at 7 Days. Test Report #: BM/CT/18455	March 18, 2018	April 17, 2018	March 19, 2018	1	A
44	CW05-ABC-TST-00040-00	Ready-Mix Concrete for Lean Concrete for Retaining Wall at 7 Days. Test Report #: BM/CT/18474	March 18, 2018	April 17, 2018	March 19, 2018	1	A
45	CW05-ABC-TST-00041-00	Ready-Mix Concrete for Lean Concrete below Reservoir Foundation at 7 Days. Test Report #: BM/CT/18476	March 18, 2018	April 17, 2018	March 19, 2018	1	A
46	CW05-ABC-TST-00042-00	Ready-Mix Concrete for Southern RW - Second Part (at 7 Days). Test Report #: BM/CT/18482	March 19, 2018	April 18, 2018	March 22, 2018	3	A
47	CW05-ABC-TST-00043-00	Ready-Mix Concrete Above The Pipelines (at 7 Days). Test Report #: BM/CT/18483	March 19, 2018	April 18, 2018	March 22, 2018	3	A
48	CW05-ABC-TST-00044-00	Ready-Mix Concrete for Lean Concrete for Reservoir Footing (at 7 Days). Test Report #: BM/CT/18484	March 19, 2018	April 18, 2018	March 22, 2018	3	A
49	CW05-ABC-TST-00045-00	Ready-Mix Concrete for Foundation of Northern RW (at 7 Days). Test Report #: BM/CT/18494	March 19, 2018	April 18, 2018	March 22, 2018	3	A
50	CW05-ABC-TST-00046-00	Ready-Mix Concrete for Foundation of RW (Type III) (at 7 Days). Test Report #: BM/CT/18502	March 19, 2018	April 18, 2018	March 22, 2018	3	A
51	CW05-ABC-TST-00047-00	Ready-Mix Concrete for Lean Concrete for the Northern Retaining Wall (at 28 Days) Test Report #: BM/CT/18383	March 26, 2018	April 25, 2018	March 27, 2018	1	A
52	CW05-ABC-TST-00048-00	Ready-Mix Concrete for the Southern Retaining Wall-Part 1 (at 28 Days) Test Report #: BM/CT/18389	March 26, 2018	April 25, 2018	March 27, 2018	1	A
53	CW05-ABC-TST-00049-00	Ready-Mix Concrete for Pre-Cast Manholes (120*120*110cm) at 28 Days. Test Report #: BM/CT/18406	March 26, 2018	April 25, 2018	March 27, 2018	1	A
54	CW05-ABC-TST-00050-00	Test Report for Filter Fabric (Geotextile). Test Report #: BM/QC/18032-2	March 26, 2018	April 25, 2018	March 27, 2018	1	A
55	CW05-ABC-TST-00051-00	Ready Mix Concrete for Foundations of the Retaining Wall (at 28 Days). Test Report #: BM/CT/18301.	March 29, 2018	April 28, 2018	April 5, 2018	7	A
56	CW05-ABC-TST-00052-00	Trial Mix for 35 MPa With Admixture 2 J.7 (at 28 Days). Test Report #: BM/CT/18304.	March 29, 2018	April 28, 2018	April 5, 2018	7	A
57	CW05-ABC-TST-00053-00	Ready-Mix Concrete for Retaining Wall Foundation Type (42A-C & V-B) (at 28 Days). Test Report #: BM/CT/18440	April 1, 2018	May 1, 2018	April 9, 2018	8	A
58	CW05-ABC-TST-00054-00	Ready-Mix Concrete for Lean Concrete for Retaining Wall (at 28 Days). Test Report #: BM/CT/18455	April 1, 2018	May 1, 2018	April 9, 2018	8	A
59	CW05-ABC-TST-00055-00	Ready-Mix Concrete for Stem of Retaining Wall Type IV-A (at 7 Days). Test Report #: BM/CT/18573	April 1, 2018	May 1, 2018	April 9, 2018	8	A
60	CW05-ABC-TST-00056-00	Ready-Mix Concrete for the Footings of Karma Reservoir (at 7 Days). Test Report #: BM/CT/18574	April 1, 2018	May 1, 2018	April 9, 2018	8	A
61	CW05-ABC-TST-00057-00	Ready-Mix Concrete for Stem of Retaining Wall Type C (at 7 Days). Test Report #: BM/CT/18578	April 1, 2018	May 1, 2018	April 9, 2018	8	A
62	CW05-ABC-TST-00058-00	Ready-Mix Concrete for Retaining Wall Type IV-A (at 7 Days). Test Report #: BM/CT/18614	April 5, 2018	May 5, 2018	April 17, 2018	12	C
63	CW05-ABC-TST-00058-01	Ready-Mix Concrete for Retaining Wall Type IV-A (at 7 Days). Test Report #: BM/CT/18614	April 22, 2018	May 22, 2018	April 25, 2018	3	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
64	CW05-ABC-TST-00059-00	Ready-Mix Concrete for Lean Concrete for Retaining Wall (at 7 Days). Test Report #: BM/CT/18615	April 5, 2018	May 5, 2018	April 17, 2018	12	C
65	CW05-ABC-TST-00059-01	Ready-Mix Concrete for Lean Concrete for Retaining Wall (at 7 Days). Test Report #: BM/CT/18615	April 22, 2018	May 22, 2018	April 25, 2018	3	A
66	CW05-ABC-TST-00060-00	Ready-Mix Concrete for Lean Concrete for Retaining Wall at (28 Days). Test Report #: BM/CT/18474	April 5, 2018	May 5, 2018	April 17, 2018	12	C
67	CW05-ABC-TST-00060-01	Ready-Mix Concrete for Lean Concrete for Retaining Wall at (28 Days). Test Report #: BM/CT/18474	April 22, 2018	May 22, 2018	April 25, 2018	3	A
68	CW05-ABC-TST-00061-00	Ready-Mix Concrete for Lean Concrete below Reservoir Foundation at (28 Days). Test Report #: BM/CT/18476	April 5, 2018	May 5, 2018	April 11, 2018	6	A
69	CW05-ABC-TST-00062-00	Ready-Mix Concrete for Southern RW - Second Part (at 28 Days). Test Report #: BM/CT/18482	April 5, 2018	May 5, 2018	April 17, 2018	12	C
70	CW05-ABC-TST-00062-01	Ready-Mix Concrete for Southern RW - Second Part (at 28 Days). Test Report #: BM/CT/18482	April 23, 2018	May 23, 2018	April 25, 2018	2	A
71	CW05-ABC-TST-00063-00	Ready-Mix Concrete Above The Pipelines (at 28 Days). Test Report #: BM/CT/18483	April 5, 2018	May 5, 2018	April 17, 2018	12	C
72	CW05-ABC-TST-00063-01	Ready-Mix Concrete Above The Pipelines (at 28 Days). Test Report #: BM/CT/18483	April 23, 2018	May 23, 2018	April 25, 2018	2	A
73	CW05-ABC-TST-00064-00	Ready-Mix Concrete for Lean Concrete for Reservoir Footing (at 28 Days). Test Report #: BM/CT/18484	April 5, 2018	May 5, 2018	April 11, 2018	6	A
74	CW05-ABC-TST-00065-00	Ready-Mix Concrete for Foundation of Northern RW (at 28 Days). Test Report #: BM/CT/18494	April 19, 2018	May 19, 2018	April 25, 2018	6	C
75	CW05-ABC-TST-00065-01	Ready-Mix Concrete for Foundation of Northern RW (at 28 Days). Test Report #: BM/CT/18494	May 9, 2018	June 8, 2018	May 16, 2018	7	A
76	CW05-ABC-TST-00066-00	Ready-Mix Concrete for Foundation of RW (Type III) (at 28 Days). Test Report #: BM/CT/18502	April 19, 2018	May 19, 2018	April 25, 2018	6	C
77	CW05-ABC-TST-00066-01	Ready-Mix Concrete for Foundation of RW (Type III) (at 28 Days). Test Report #: BM/CT/18502	May 9, 2018	June 8, 2018	May 16, 2018	7	A
78	CW05-ABC-TST-00067-00	Ready-Mix Concrete for Foundation of RW (Type B) and Stem of RW (Type VB) (at 7 Days). Test Report #: BM/CT/18627	April 19, 2018	May 19, 2018	April 24, 2018	5	A
79	CW05-ABC-TST-00068-00	Ready-Mix Concrete for Western RW (Type III A) (at 7 Days). Test Report #: BM/CT/18649	April 19, 2018	May 19, 2018	April 24, 2018	5	A
80	CW05-ABC-TST-00069-00	Ready-Mix Concrete for Columns of the Ground Floor of Karma Reservoir (at 7 Days). Test Report #: BM/CT/18650	April 19, 2018	May 19, 2018	April 24, 2018	5	A
81	CW05-ABC-TST-00070-00	Ready-Mix Concrete for Stem of Retaining Wall Type IV-A (At 28 Days). Test Report #: BM/CT/18573	April 24, 2018	May 24, 2018	April 30, 2018	6	C
82	CW05-ABC-TST-00070-01	Ready-Mix Concrete for Stem of Retaining Wall Type IV-A (At 28 Days). Test Report #: BM/CT/18573	May 9, 2018	June 8, 2018	May 16, 2018	7	A
83	CW05-ABC-TST-00071-00	Ready-Mix Concrete for the Footings of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18574	April 24, 2018	May 24, 2018	April 30, 2018	6	A
84	CW05-ABC-TST-00072-00	Ready-Mix Concrete for Stem of Retaining Wall Type C (At 28 Days). Test Report #: BM/CT/18578	April 24, 2018	May 24, 2018	April 30, 2018	6	A
85	CW05-ABC-TST-00073-00	Ready-Mix Concrete for Stem of Retaining Wall Type B and Encasement Above the Pipes (At 7 Days). Test Report #: BM/CT/18677	April 24, 2018	May 24, 2018	April 30, 2018	6	A
86	CW05-ABC-TST-00074-00	Ready-Mix Concrete for Slab On Grade of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18685	April 24, 2018	May 24, 2018	April 30, 2018	6	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
87	CW05-ABC-TST-00075-00	Ready-Mix Concrete for Western Retaining Wall Type IV-A (at 28 Days). Test Report #: BM/CT/18614	May 8, 2018	June 7, 2018	May 9, 2018	1	A
88	CW05-ABC-TST-00076-00	Ready-Mix Concrete for Eastern Retaining Wall - Type B (at 28 Days). Test Report #: BM/CT/18615	May 8, 2018	June 7, 2018	May 9, 2018	1	A
89	CW05-ABC-TST-00077-00	Ready-Mix Concrete for Foundations of RW (Type B) and Stem of RW (Type VB) (at 28 Days). Test Report #: BM/CT/18627	May 8, 2018	June 7, 2018	May 9, 2018	1	A
90	CW05-ABC-TST-00078-00	Ready-Mix Concrete for Western RW (Type III A) (at 28 Days). Test Report #: BM/CT/18649	May 8, 2018	June 7, 2018	May 9, 2018	1	A
91	CW05-ABC-TST-00079-00	Ready-Mix Concrete for Columns of the First Floor of Karma Reservoir (at 28 Days). Test Report #: BM/CT/18650	May 9, 2018	June 8, 2018	May 16, 2018	7	A
92	CW05-ABC-TST-00080-00	Ready-Mix Concrete for Beams of the First Floor of Karma Reservoir (at 7 Days). Test Report #: BM/CT/18746	May 9, 2018	June 8, 2018	May 16, 2018	7	C
93	CW05-ABC-TST-00080-01	Ready-Mix Concrete for Beams of the First Floor of Karma Reservoir (at 7 Days). Test Report #: BM/CT/18746	July 1, 2018	July 31, 2018	July 11, 2018	10	A
94	CW05-ABC-TST-00081-00	Ready-Mix Concrete for Main Connection Chamber Foundation (KAR-1 @ Sta.0+000) (at 7 Days). Test Report #: BM/CT/18762	May 9, 2018	June 8, 2018	May 16, 2018	7	A
95	CW05-ABC-TST-00082-00	Ready-Mix Concrete for Stem of Retaining Wall Type B and Encasement above the Pipes (At 28 Days). Test Report #: BM/CT/18677	May 16, 2018	June 15, 2018	May 20, 2018	4	C
96	CW05-ABC-TST-00082-01	Ready-Mix Concrete for Stem of Retaining Wall Type B and Encasement above the Pipes (At 28 Days). Test Report #: BM/CT/18677	May 30, 2018	June 29, 2018	June 11, 2018	12	A
97	CW05-ABC-TST-00083-00	Ready-Mix Concrete for Slab On Grade of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18685	May 16, 2018	June 15, 2018	May 20, 2018	4	C
98	CW05-ABC-TST-00083-01	Ready-Mix Concrete for Slab On Grade of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18685	May 30, 2018	June 29, 2018	June 11, 2018	12	A
99	CW05-ABC-TST-00084-00	Ready-Mix Concrete for Slab of the Main Manhole (At 7 Days). Test Report #: BM/CT/18797	May 16, 2018	June 15, 2018	May 20, 2018	4	A
100	CW05-ABC-TST-00085-00	Ready-Mix Concrete for Columns of the Second Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18800	May 16, 2018	June 15, 2018	May 20, 2018	4	C
101	CW05-ABC-TST-00085-01	Ready-Mix Concrete for Columns of the Second Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18800	May 30, 2018	June 29, 2018	June 11, 2018	12	A
102	CW05-ABC-TST-00086-00	Backfilling Materials/Single Size Aggregate (Hommos Size) at Stockpiling Area Source Al Shebel Crusher Plant. Test Report #: BM/QC/18130	May 24, 2018	June 23, 2018	May 30, 2018	6	A
103	CW05-ABC-TST-00087-00	Backfilling/Bedding Materials (Somsom Size) for House Connections Source Al Shebel Crusher Plant. Test Report #: BM/QC/18131	May 24, 2018	June 23, 2018	May 30, 2018	6	A
104	CW05-ABC-TST-00088-00	Base Course Materials Source Al Shebel Crusher Plant. Test Report #: ST/18160	May 24, 2018	June 23, 2018	May 30, 2018	6	A
105	CW05-ABC-TST-00089-00	Ready-Mix Concrete for Beams of the Second Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18834	May 30, 2018	June 29, 2018	June 11, 2018	12	C
106	CW05-ABC-TST-00089-01	Ready-Mix Concrete for Beams of the Second Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18834	July 1, 2018	July 31, 2018	July 8, 2018	7	A
107	CW05-ABC-TST-00090-00	Ready-Mix Concrete for Beams of the First Level of Karma Reservoir (at 28 Days). Test Report #: BM/CT/18746	May 30, 2018	June 29, 2018	June 11, 2018	12	C
108	CW05-ABC-TST-00090-01	Ready-Mix Concrete for Beams of the First Level of Karma Reservoir (at 28 Days). Test Report #: BM/CT/18746	July 1, 2018	July 31, 2018	July 11, 2018	10	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
109	CW05-ABC-TST-00091-00	Ready-Mix Concrete for Columns of the Third Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18884	June 4, 2018	July 4, 2018	June 19, 2018	15	C
110	CW05-ABC-TST-00091-01	Ready-Mix Concrete for Columns of the Third Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18884	July 1, 2018	July 31, 2018	July 11, 2018	10	C
111	CW05-ABC-TST-00091-02	Ready-Mix Concrete for Columns of the Third Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18884	July 12, 2018	August 11, 2018	July 17, 2018	5	A
112	CW05-ABC-TST-00092-00	Ready-Mix Concrete for Main Connection Chamber Foundation (KAR-1 @ Sta.0+000) (at 28 Days). Test Report #: BM/CT/18762	June 4, 2018	July 4, 2018	June 19, 2018	15	A
113	CW05-ABC-TST-00093-00	Ready-Mix Concrete for Walls of the Main Manholes (at 28 Days). Test Report #: BM/CT/18778	June 4, 2018	July 4, 2018	June 19, 2018	15	A
114	CW05-ABC-TST-00094-00	Ready-Mix Concrete for Slab of the Main Manhole (At 28 Days). Test Report #: BM/CT/18797	June 10, 2018	July 10, 2018	June 19, 2018	9	A
115	CW05-ABC-TST-00095-00	Ready-Mix Concrete for Columns of the Second Level and Staircase (Part 1) of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18800	June 10, 2018	July 10, 2018	June 19, 2018	9	A
116	CW05-ABC-TST-00096-00	Ready-Mix Concrete for Beams of the Second Level of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18834	June 10, 2018	July 10, 2018	June 24, 2018	14	A
117	CW05-ABC-TST-00097-00	Concrete Core Test for Beams of the First Level of Karma Reservoir. Test Report #: BM/COR/18029	June 11, 2018	July 11, 2018	June 24, 2018	13	A
118	CW05-ABC-TST-00098-00	Ready-Mix Concrete for Beams and Stairs (Part 2) of the Third Level of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18910	June 12, 2018	July 12, 2018	June 24, 2018	12	A
119	CW05-ABC-TST-00099-00	Ready-Mix Concrete for Columns of the Fourth Level and Stairs of Karma Reservoir (At 7 Days). Test Report #: BM/CT/18941	July 1, 2018	July 31, 2018	July 2, 2018	1	A
120	CW05-ABC-TST-00100-00	Ready-Mix Concrete for Beams and Stairs (Part 2) of the Third Level of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18910	July 1, 2018	July 31, 2018	July 2, 2018	1	A
121	CW05-ABC-TST-00101-00	Ready-Mix Concrete for Columns of the Third Level and Staircase (Part 1) of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18884	July 1, 2018	July 31, 2018	July 2, 2018	1	C
122	CW05-ABC-TST-00101-01	Ready-Mix Concrete for Columns of the Third Level and Staircase (Part 1) of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18884	July 3, 2018	August 2, 2018	July 8, 2018	5	A
123	CW05-ABC-TST-00102-00	Ready-Mix Concrete for Columns of the Fourth Level and Stairs of Karma Reservoir (At 28 Days). Test Report #: BM/CT/18941	July 22, 2018	August 21, 2018	July 23, 2018	1	A
124	CW05-ABC-TST-00103-00	Field Density Test for Base Course at KAR-3 from Sta.0+000 to Sta.0+350. Test Report #: (ST/FD/18394)	July 22, 2018	August 21, 2018	July 23, 2018	1	C
125	CW05-ABC-TST-00103-01	Field Density Test for Base Course at KAR-3 from Sta.0+000 to Sta.0+350. Test Report #: (ST/FD/18394)	August 28, 2018	September 27, 2018	August 30, 2018	2	E
126	CW05-ABC-TST-00104-00	Backfilling/Bedding Materials (Somsom Size) at Stockpiling Area, Source Al Shebel Crusher Plant. Test Report #: BM/QC/18198	July 22, 2018	August 21, 2018	July 23, 2018	1	A
127	CW05-ABC-TST-00105-00	Backfilling Materials (Hommos Size) at Stockpiling Area, Source Al Shebel Crusher Plant. Test Report #: BM/QC/18197	July 22, 2018	August 21, 2018	July 23, 2018	1	A
128	CW05-ABC-TST-00106-00	Bituminous Paving Mixture Test Report for 3/4" Asphalt at KAR-3 from Sta. 0+070 to Sta. 0+320, Source A'mal Co. Test Report #: AS/TBM/18103	July 22, 2018	August 21, 2018	July 23, 2018	1	A
129	CW05-ABC-TST-00107-00	Field Density Test for Base Course at KAR-4 from Sta.0+000 to Sta.0+609. Test Report #: (ST/FD/18398)	July 22, 2018	August 21, 2018	July 30, 2018	8	C
130	CW05-ABC-TST-00108-00	Base Course Materials -Test Report for KAR-3 Pipeline. Test Report #: ST/18208.	July 22, 2018	August 21, 2018	July 30, 2018	8	A

No.	Test No.	Test Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
131	CW05-ABC-TST-00109-00	Revised Field Density Test Report for Base Course at KAR-3 from Sta.0+000 to Sta.0+350. Test Report #: (ST/FD/18394)	August 15, 2018	September 14, 2018	August 26, 2018	11	A
132	CW05-ABC-TST-00110-00	Revised Field Density Test Report for Base Course at KAR-4 from Sta.0+000 to Sta.0+609. Test Report #: (ST/FD/18398)	August 15, 2018	September 14, 2018	August 26, 2018	11	C



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ANNEX F

Inspection Requests Log

Pending - Under CMC Review
Code C/D - Resubmit

No.	IR No.	IR Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	Status 1st Inspection	Status 2nd Inspection
1	CW05-ABC-IRF-00001-00	Projects' Temporary Signs after Installation.	November 27, 2017	November 28, 2017	November 29, 2017	November 29, 2017	1	A	
2	CW05-ABC-IRF-00002-00	Steel pipes 50 mm prior start external coating.	December 3, 2017	December 4, 2017	December 5, 2017	December 4, 2017	0	A	
3	CW05-ABC-IRF-00003-00	External coating for steel pipes 50 mm.	December 3, 2017	December 5, 2017	December 6, 2017	December 6, 2017	1	A	
4	CW05-ABC-IRF-00004-00	Engineers' Primary Field Office Handing Over (Attached check list for IT and furniture).	December 4, 2017	December 5, 2017	December 6, 2017	December 6, 2017	1	C	
5	CW05-ABC-IRF-00004-01	Engineers' Primary Field Office Handing Over (Attached check list for IT and furniture).	December 6, 2017	December 7, 2017	December 8, 2017	December 11, 2017	4	A	
6	CW05-ABC-IRF-00005-00	Steel pipes 75 mm, 100 mm and 150 mm prior start external coating and cement lining.	December 5, 2017	December 5, 2017	December 6, 2017	December 6, 2017	1	A	
7	CW05-ABC-IRF-00006-00	External coating for steel pipes 75 mm.	December 6, 2017	December 7, 2017	December 8, 2017	December 7, 2017	0	A	
8	CW05-ABC-IRF-00007-00	Storage Yard (facilities and services).	December 7, 2017	December 7, 2017	December 8, 2017	December 7, 2017	0	C	
9	CW05-ABC-IRF-00007-01	Storage Yard (facilities and services).	December 13, 2017	December 13, 2017	December 14, 2017	December 14, 2017	1	C	
10	CW05-ABC-IRF-00007-02	Storage Yard (facilities and services).	December 17, 2017	December 17, 2017	December 18, 2017	December 17, 2017	0	A	
11	CW05-ABC-IRF-00008-00	Start demolition, removal and relocation of trees clear and grub site.	December 10, 2017	December 10, 2017	December 11, 2017	December 10, 2017	0	C	
12	CW05-ABC-IRF-00008-01	Start demolition, removal and relocation of trees clear and grub site.	December 10, 2017	December 11, 2017	December 12, 2017	December 11, 2017	0	A	
13	CW05-ABC-IRF-00009-00	Start site and access road grading and preparation.	December 10, 2017	December 10, 2017	December 11, 2017	December 10, 2017	0	C	
14	CW05-ABC-IRF-00009-01	Start site and access road grading and preparation.	December 10, 2017	December 11, 2017	December 12, 2017	December 12, 2017	1	A	
15	CW05-ABC-IRF-00010-00	Start excavation.	December 10, 2017	December 10, 2017	December 11, 2017	December 10, 2017	0	C	
16	CW05-ABC-IRF-00010-01	Start excavation.	March 22, 2018	March 22, 2018	March 23, 2018	March 23, 2018	1	A	
17	CW05-ABC-IRF-00011-00	Cement lining for steel pipes 75 mm.	December 10, 2017	December 10, 2017	December 11, 2017	December 10, 2017	0	A	
18	CW05-ABC-IRF-00012-00	Safety measures.	December 10, 2017	December 10, 2017	December 11, 2017	December 10, 2017	0	A	
19	CW05-ABC-IRF-00013-00	External coating for steel pipes 100 mm.	December 10, 2017	December 11, 2017	December 12, 2017	December 12, 2017	1	A	
20	CW05-ABC-IRF-00014-00	Galvanized steel pipes 50 mm as per attached MRR.	December 12, 2017	December 12, 2017	December 13, 2017	December 12, 2017	0	A	
21	CW05-ABC-IRF-00015-00	Steel pipes 38 mm, 25 mm and 19 mm prior start external coating.	December 14, 2017	December 14, 2017	December 15, 2017	December 14, 2017	0	A	
22	CW05-ABC-IRF-00016-00	Galvanized steel fittings and warning tape as per attached MRR #002.	December 19, 2017	December 19, 2017	December 20, 2017	December 19, 2017	0	A	
23	CW05-ABC-IRF-00017-00	Pipeline Alignment prior starting excavation from Sta. 0+400 to Sta. 0+655.42.	December 20, 2017	December 20, 2017	December 21, 2017	December 21, 2017	1	A	
24	CW05-ABC-IRF-00018-00	Safety and traffic arrangements prior starting excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+400 to Sta. 0+655.42.	December 21, 2017	December 21, 2017	December 22, 2017	December 21, 2017	0	A	

No.	IR No.	IR Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	Status 1st Inspection	Status 2nd Inspection
25	CW05-ABC-IRF-00019-00	Excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+400 to Sta. 0+655.42.	December 21, 2017	December 23, 2017	December 24, 2017	December 24, 2017	1	A	
26	CW05-ABC-IRF-00020-00	Pipeline Alignment prior starting excavation for KAR-30 from Sta. 0+0.0 to Sta. 0+152 and KAR-47 from Sta. 0+0.0 to Sta. 0+55.	December 21, 2017	December 23, 2017	December 24, 2017	December 24, 2017	1	A	
27	CW05-ABC-IRF-00021-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+400 to Sta. 0+300.	December 24, 2017	December 24, 2017	December 25, 2017	December 24, 2017	0	A	
28	CW05-ABC-IRF-00022-00	Excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+400 to Sta. 0+300.	December 24, 2017	December 24, 2017	December 25, 2017	December 24, 2017	0	A	
29	CW05-ABC-IRF-00023-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+300 to Sta. 0+200.	December 24, 2017	December 26, 2017	December 27, 2017	December 27, 2017	1	A	
30	CW05-ABC-IRF-00024-00	Excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+300 to Sta. 0+200.	December 24, 2017	December 26, 2017	December 27, 2017	December 27, 2017	1	A	
31	CW05-ABC-IRF-00025-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+000 to Sta. 0+200.	December 28, 2017	December 28, 2017	December 29, 2017	December 31, 2017	3	A	
32	CW05-ABC-IRF-00026-00	Excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+000 to Sta. 0+200.	December 28, 2017	December 28, 2017	December 29, 2017	December 31, 2017	3	C	
33	CW05-ABC-IRF-00026-01	Excavation, installation and backfilling for 2" pipelines along KAR-5 from Sta. 0+000 to Sta. 0+200.	March 1, 2018	March 3, 2018	March 4, 2018	March 4, 2018	1	A	
34	CW05-ABC-IRF-00027-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+0.0 to Sta. 0+200.	December 28, 2017	December 30, 2017	December 31, 2017	December 31, 2017	1	A	
35	CW05-ABC-IRF-00028-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+000 to Sta. 0+200.	December 28, 2017	December 30, 2017	December 31, 2017	December 31, 2017	1	A	
36	CW05-ABC-IRF-00029-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+200 to Sta. 0+300.	December 31, 2017	December 31, 2017	January 1, 2018	December 31, 2017	0	A	
37	CW05-ABC-IRF-00030-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+200 to Sta. 0+300.	December 31, 2017	December 31, 2017	January 1, 2018	December 31, 2017	0	A	
38	CW05-ABC-IRF-00031-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+300 to Sta. 0+450.	January 3, 2018	January 3, 2018	January 4, 2018	January 4, 2018	1	A	
39	CW05-ABC-IRF-00032-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+300 to Sta. 0+450.	January 3, 2018	January 3, 2018	January 4, 2018	January 4, 2018	1	A	
40	CW05-ABC-IRF-00033-00	Steel Reinforcement and Casting Concrete for Precast Gate Valve (1.20 X1.20X1.10 m).	January 3, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
41	CW05-ABC-IRF-00034-00	External coating for steel pipes 38 mm.	January 3, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
42	CW05-ABC-IRF-00035-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+450 to Sta. 0+550.	January 3, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
43	CW05-ABC-IRF-00036-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+450 to Sta. 0+550.	January 3, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
44	CW05-ABC-IRF-00037-00	Steel Reinforcement and Concrete Encasement from Sta. 0+308 to Sta. 0+320 and from Sta. 0+337 to Sta. 0+342.	January 3, 2018	January 3, 2018	January 4, 2018	January 4, 2018	1	A	
45	CW05-ABC-IRF-00038-00	Galvanized threaded steel pipes 2", 1.5", 1" and 3/4" as per attached MRR #003.	January 4, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	C	
46	CW05-ABC-IRF-00038-01	Galvanized threaded steel pipes 2", 1.5", 1" and 3/4" as per attached MRR #003.	March 25, 2018	March 25, 2018	March 26, 2018	March 26, 2018	1	A	
47	CW05-ABC-IRF-00039-00	Factory Made Fittings as per attached MRR #004.	January 4, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
48	CW05-ABC-IRF-00040-00	Filter Fabric (Geotextile) as per attached MRR #005.	January 4, 2018	January 4, 2018	January 5, 2018	January 4, 2018	0	A	
49	CW05-ABC-IRF-00041-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-8.	January 4, 2018	January 7, 2018	January 8, 2018	January 8, 2018	1	A	
50	CW05-ABC-IRF-00042-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-8.	January 4, 2018	January 7, 2018	January 8, 2018	January 8, 2018	1	A	
51	CW05-ABC-IRF-00043-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-50.	January 4, 2018	January 8, 2018	January 9, 2018	January 9, 2018	1	A	
52	CW05-ABC-IRF-00044-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-50.	January 4, 2018	January 8, 2018	January 9, 2018	January 9, 2018	1	A	

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53	CW05-ABC-IRF-00045-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-31.	January 9, 2018	January 9, 2018	January 10, 2018	January 10, 2018	1	A	
54	CW05-ABC-IRF-00046-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-31.	January 9, 2018	January 9, 2018	January 10, 2018	January 10, 2018	1	A	
55	CW05-ABC-IRF-00047-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-35.	January 11, 2018	January 11, 2018	January 12, 2018	January 11, 2018	0	A	
56	CW05-ABC-IRF-00048-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-35.	January 11, 2018	January 11, 2018	January 12, 2018	January 11, 2018	0	A	
57	CW05-ABC-IRF-00049-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-7.	January 11, 2018	January 11, 2018	January 12, 2018	January 11, 2018	0	A	
58	CW05-ABC-IRF-00050-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-7.	January 11, 2018	January 11, 2018	January 12, 2018	January 11, 2018	0	A	
59	CW05-ABC-IRF-00051-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-7.	January 11, 2018	January 13, 2018	January 14, 2018	January 14, 2018	1	A	
60	CW05-ABC-IRF-00052-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-7.	January 11, 2018	January 13, 2018	January 14, 2018	January 14, 2018	1	A	
61	CW05-ABC-IRF-00053-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-9.	January 14, 2018	January 14, 2018	January 15, 2018	January 15, 2018	1	A	
62	CW05-ABC-IRF-00054-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-9.	January 14, 2018	January 14, 2018	January 15, 2018	January 15, 2018	1	A	
63	CW05-ABC-IRF-00055-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-28.	January 14, 2018	January 14, 2018	January 15, 2018	January 15, 2018	1	A	
64	CW05-ABC-IRF-00056-00	Start digging for 2" pipelines along KAR-28.	January 14, 2018	January 14, 2018	January 15, 2018	January 15, 2018	1	A	
65	CW05-ABC-IRF-00057-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-9.	January 16, 2018	January 16, 2018	January 17, 2018	January 17, 2018	1	A	
66	CW05-ABC-IRF-00058-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-9.	January 16, 2018	January 16, 2018	January 17, 2018	January 17, 2018	1	A	
67	CW05-ABC-IRF-00059-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-29.	January 16, 2018	January 16, 2018	January 17, 2018	January 17, 2018	1	A	
68	CW05-ABC-IRF-00060-00	Pipeline Alignment prior start digging for KAR-29.	January 16, 2018	January 16, 2018	January 17, 2018	January 17, 2018	1	A	
69	CW05-ABC-IRF-00061-00	Fit up of 11.25 degree 3", 4" and 6" Mitered Bends prior welding.	January 16, 2018	January 17, 2018	January 18, 2018	January 18, 2018	1	C	
70	CW05-ABC-IRF-00061-01	Fit up of 11.25 degree 3", 4" and 6" Mitered Bends prior welding.	March 22, 2018	March 22, 2018	March 23, 2018	March 23, 2018	1	A	
71	CW05-ABC-IRF-00062-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-29.	January 17, 2018	January 17, 2018	January 18, 2018	January 18, 2018	1	A	
72	CW05-ABC-IRF-00063-00	Continue digging for KAR-29.	January 17, 2018	January 17, 2018	January 18, 2018	January 18, 2018	1	A	
73	CW05-ABC-IRF-00064-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-9.	January 17, 2018	January 17, 2018	January 18, 2018	January 18, 2018	1	A	
74	CW05-ABC-IRF-00065-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-9.	January 17, 2018	January 17, 2018	January 18, 2018	January 18, 2018	1	A	
75	CW05-ABC-IRF-00066-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-29.	January 18, 2018	January 18, 2018	January 19, 2018	January 18, 2018	0	A	
76	CW05-ABC-IRF-00067-00	Continue digging for KAR-29.	January 18, 2018	January 18, 2018	January 19, 2018	January 18, 2018	0	A	
77	CW05-ABC-IRF-00068-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-18.	January 18, 2018	January 18, 2018	January 19, 2018	January 18, 2018	0	A	
78	CW05-ABC-IRF-00069-00	Start digging for KAR-18.	January 18, 2018	January 18, 2018	January 19, 2018	January 18, 2018	0	A	
79	CW05-ABC-IRF-00070-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-18.	January 18, 2018	January 20, 2018	January 21, 2018	January 21, 2018	1	A	
80	CW05-ABC-IRF-00071-00	Continue digging for KAR-18.	January 18, 2018	January 20, 2018	January 21, 2018	January 21, 2018	1	A	

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81	CW05-ABC-IRF-00072-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-9.	January 18, 2018	January 20, 2018	January 21, 2018	January 21, 2018	1	A	
82	CW05-ABC-IRF-00073-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-9.	January 18, 2018	January 20, 2018	January 21, 2018	January 21, 2018	1	A	
83	CW05-ABC-IRF-00074-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-14.	January 21, 2018	January 21, 2018	January 22, 2018	January 22, 2018	1	A	
84	CW05-ABC-IRF-00075-00	Start digging for 2" pipelines along KAR-14.	January 21, 2018	January 21, 2018	January 22, 2018	January 22, 2018	1	A	
85	CW05-ABC-IRF-00076-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-16.	January 21, 2018	January 21, 2018	January 22, 2018	January 22, 2018	1	A	
86	CW05-ABC-IRF-00077-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-16.	January 21, 2018	January 21, 2018	January 22, 2018	January 22, 2018	1	A	
87	CW05-ABC-IRF-00078-00	Excavation levels and blinding concrete locations for reservoir and retaining walls (Southern and Western RW-TYPE-IV-A) prior start form work.	January 21, 2018	January 21, 2018	January 22, 2018	January 22, 2018	1	A	
88	CW05-ABC-IRF-00079-00	Casting blinding concrete for reservoir and retaining walls (Southern and Western RW-TYPE-IV-A).	January 22, 2018	January 22, 2018	January 23, 2018	January 23, 2018	1	A	
89	CW05-ABC-IRF-00080-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-16.	January 22, 2018	January 22, 2018	January 23, 2018	January 23, 2018	1	A	
90	CW05-ABC-IRF-00081-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-16.	January 22, 2018	January 22, 2018	January 23, 2018	January 23, 2018	1	A	
91	CW05-ABC-IRF-00082-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-16.	January 23, 2018	January 23, 2018	January 24, 2018	January 24, 2018	1	A	
92	CW05-ABC-IRF-00083-00	Digging for 2" pipelines along KAR-16.	January 23, 2018	January 23, 2018	January 24, 2018	January 24, 2018	1	A	
93	CW05-ABC-IRF-00084-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-14.	January 23, 2018	January 23, 2018	January 24, 2018	January 24, 2018	1	A	
94	CW05-ABC-IRF-00085-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-14.	January 23, 2018	January 23, 2018	January 24, 2018	January 24, 2018	1	A	
95	CW05-ABC-IRF-00086-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-18.	January 24, 2018	January 24, 2018	January 25, 2018	January 25, 2018	1	A	
96	CW05-ABC-IRF-00087-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-18.	January 24, 2018	January 24, 2018	January 25, 2018	January 25, 2018	1	A	
97	CW05-ABC-IRF-00088-00	Pipeline Alignment prior starting excavation from Sta. 0+000 to Sta. 0+387.25.	January 25, 2018	January 25, 2018	January 26, 2018	January 25, 2018	0	A	
98	CW05-ABC-IRF-00089-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-17 from Sta. 0+000 to Sta. 0+387.25.	January 25, 2018	January 25, 2018	January 26, 2018	January 25, 2018	0	A	
99	CW05-ABC-IRF-00090-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-17.	January 25, 2018	January 25, 2018	January 26, 2018	January 25, 2018	0	A	
100	CW05-ABC-IRF-00091-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-16.	January 25, 2018	January 27, 2018	January 28, 2018	January 28, 2018	1	A	
101	CW05-ABC-IRF-00092-00	Pipeline Alignment prior start digging for 2" pipeline along KAR-22 from Sta. 0+000 to Sta. 0+160.	January 25, 2018	January 27, 2018	January 28, 2018	January 28, 2018	1	A	
102	CW05-ABC-IRF-00093-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-22 from Sta. 0+000 to Sta. 0+160.	January 25, 2018	January 27, 2018	January 28, 2018	January 28, 2018	1	A	
103	CW05-ABC-IRF-00094-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-17.	January 28, 2018	January 28, 2018	January 29, 2018	January 29, 2018	1	A	
104	CW05-ABC-IRF-00095-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-17.	January 29, 2018	January 29, 2018	January 30, 2018	January 30, 2018	1	A	
105	CW05-ABC-IRF-00096-00	Casting lean concrete for the eastern RW (TYPE S-R-W-042B).	January 29, 2018	January 29, 2018	January 30, 2018	January 30, 2018	1	A	
106	CW05-ABC-IRF-00097-00	Pipeline Alignment prior start digging for 2" pipeline along KAR-23 from Sta. 0+000 to Sta. 0+287.	January 29, 2018	January 29, 2018	January 30, 2018	January 30, 2018	1	A	
107	CW05-ABC-IRF-00098-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-23 from Sta. 0+000 to Sta. 0+287.	January 29, 2018	January 29, 2018	January 30, 2018	January 30, 2018	1	A	
108	CW05-ABC-IRF-00099-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-17.	January 30, 2018	January 30, 2018	January 31, 2018	January 31, 2018	1	A	

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109	CW05-ABC-IRF-00100-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-22.	January 31, 2018	January 31, 2018	February 1, 2018	February 1, 2018	1	A	
110	CW05-ABC-IRF-00101-00	Pipeline Alignment prior start digging for 2" pipeline (L=6.00 m) and 1.5" (Line - 267, L=101.45 m) along KAR-27.	January 31, 2018	January 31, 2018	February 1, 2018	February 1, 2018	1	A	
111	CW05-ABC-IRF-00102-00	Safety and traffic measures prior start digging for 2" pipeline (L=6.00 m) and 1.5" (Line - 267, L=101.45 m) along KAR-27.	January 31, 2018	January 31, 2018	February 1, 2018	February 1, 2018	1	A	
112	CW05-ABC-IRF-00103-00	Pipeline Alignment prior start digging for 2" pipeline along KAR-10 from Sta. 0+000 to Sta. 0+192.31	January 31, 2018	January 31, 2018	February 1, 2018	February 1, 2018	1	A	
113	CW05-ABC-IRF-00104-00	Safety and traffic measures prior start digging for 2" pipeline along KAR-10 from Sta. 0+000 to Sta. 0+192.31	January 31, 2018	January 31, 2018	February 1, 2018	February 1, 2018	1	A	
114	CW05-ABC-IRF-00105-00	Pipeline Alignment prior starting excavation for 2" pipeline along KAR-48 from Sta. 0+000 to Sta. 0+250.7	January 31, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
115	CW05-ABC-IRF-00106-00	Safety and traffic measures prior starting excavation, installation and backfilling for 2" pipeline along KAR-48 from Sta. 0+000 to Sta. 0+250.7	January 31, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
116	CW05-ABC-IRF-00107-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-48.	January 31, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
117	CW05-ABC-IRF-00108-00	Steel pipes 3/4", 1" and 1.5" as per attached MRR #006.	January 31, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
118	CW05-ABC-IRF-00109-00	Steel pipes 3", 4" and 6" as per attached MRR #007.	January 31, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
119	CW05-ABC-IRF-00110-00	Start Excavation, installation and backfilling for 2" and 1.5" pipelines along KAR-27.	February 1, 2018	February 1, 2018	February 2, 2018	February 1, 2018	0	A	
120	CW05-ABC-IRF-00111-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-23.	February 1, 2018	February 3, 2018	February 4, 2018	February 4, 2018	1	A	
121	CW05-ABC-IRF-00112-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-48.	February 1, 2018	February 3, 2018	February 4, 2018	February 4, 2018	1	A	
122	CW05-ABC-IRF-00113-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-48.	February 4, 2018	February 4, 2018	February 5, 2018	February 5, 2018	1	A	
123	CW05-ABC-IRF-00114-00	Pipeline Alignment for 2" pipeline along KAR-21 from Sta. 0+000 to Sta. 0+50.51	February 4, 2018	February 4, 2018	February 5, 2018	February 5, 2018	1	A	
124	CW05-ABC-IRF-00115-00	Safety and traffic measures for 2" pipeline along KAR-21 from Sta. 0+000 to Sta. 0+50.51	February 4, 2018	February 4, 2018	February 5, 2018	February 5, 2018	1	A	
125	CW05-ABC-IRF-00116-00	Formwork and steel reinforcement for retaining walls foundation (Southern and Western RW-TYPE-IV-A) prior casting concrete.	February 4, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
126	CW05-ABC-IRF-00117-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-23.	February 5, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
127	CW05-ABC-IRF-00118-00	Safety and traffic measures prior starting excavation for 3" pipeline along KAR-4 from Sta. 0+000 to Sta. 0+609	February 5, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
128	CW05-ABC-IRF-00119-00	Pipeline Alignment for 3" pipeline along KAR-4 from Sta. 0+000 to Sta. 0+609	February 5, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
129	CW05-ABC-IRF-00120-00	Start Excavation for 3" pipeline along KAR-4.	February 5, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
130	CW05-ABC-IRF-00121-00	Casting concrete for foundations of retaining walls (Southern and Western Type IV A).	February 5, 2018	February 5, 2018	February 6, 2018	February 6, 2018	1	A	
131	CW05-ABC-IRF-00122-00	Start Excavation, installation and backfilling for 1.5" and 2" pipelines along KAR-28.	February 6, 2018	February 6, 2018	February 7, 2018	February 7, 2018	1	A	
132	CW05-ABC-IRF-00123-00	Welding branch nipple to factory made tees for 3", 4" and 6" pipes.	February 6, 2018	February 6, 2018	February 7, 2018	February 6, 2018	0	A	
133	CW05-ABC-IRF-00124-00	Safety and traffic measures for 2" pipeline along KAR-15 from Sta. 0+000 to Sta. 0+179.	February 6, 2018	February 6, 2018	February 7, 2018	February 7, 2018	1	A	
134	CW05-ABC-IRF-00125-00	Pipeline Alignment for 2" pipeline along KAR-15 from Sta. 0+000 to Sta. 0+179.	February 6, 2018	February 6, 2018	February 7, 2018	February 7, 2018	1	A	
135	CW05-ABC-IRF-00126-00	Start Excavation, installation and backfilling for 1.5" pipelines along KAR-29.	February 6, 2018	February 6, 2018	February 7, 2018	February 7, 2018	1	A	
136	CW05-ABC-IRF-00127-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-10.	February 7, 2018	February 7, 2018	February 8, 2018	February 8, 2018	1	A	

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137	CW05-ABC-IRF-00128-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-6.	February 8, 2018	February 8, 2018	February 9, 2018	February 8, 2018	0	A	
138	CW05-ABC-IRF-00129-00	Safety and traffic measures prior starting excavation for 2" pipeline along KAR-30 from Sta. 0+005 to Sta. 0+097	February 8, 2018	February 10, 2018	February 11, 2018	February 11, 2018	1	A	
139	CW05-ABC-IRF-00130-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-30.	February 8, 2018	February 10, 2018	February 11, 2018	February 11, 2018	1	A	
140	CW05-ABC-IRF-00131-00	Pipeline Alignment for 2" pipeline along KAR-20 from Sta. 0+000 to Sta. 0+046.	February 8, 2018	February 10, 2018	February 11, 2018	February 11, 2018	1	A	
141	CW05-ABC-IRF-00132-00	Safety and traffic measures for 2" pipeline along KAR-20 from Sta. 0+000 to Sta. 0+046.	February 8, 2018	February 10, 2018	February 11, 2018	February 11, 2018	1	A	
142	CW05-ABC-IRF-00133-00	Start Excavation, installation and backfilling for 2" pipelines along KAR-20.	February 8, 2018	February 10, 2018	February 11, 2018	February 11, 2018	1	A	
143	CW05-ABC-IRF-00134-00	Continue Excavation and start installation and backfilling for 3" pipeline along KAR-4.	February 11, 2018	February 11, 2018	February 12, 2018	February 12, 2018	1	A	
144	CW05-ABC-IRF-00135-00	Start Excavation, installation and backfilling for 2" pipeline along KAR-15.	February 11, 2018	February 11, 2018	February 12, 2018	February 12, 2018	1	A	
145	CW05-ABC-IRF-00136-00	Continue Excavation, installation and backfilling for 3" pipeline along KAR-4, and casting concrete encasement from Sta. 0+061 to Sta. 0+067.50 and from Sta. 0+225 to Sta. 0+231.5	February 12, 2018	February 12, 2018	February 13, 2018	February 13, 2018	1	A	
146	CW05-ABC-IRF-00137-00	Continue Excavation, installation and backfilling for 2" pipeline along KAR-15.	February 12, 2018	February 12, 2018	February 13, 2018	February 13, 2018	1	A	
147	CW05-ABC-IRF-00138-00	Continue Excavation, installation and backfilling for 1.5" pipelines along KAR-29.	February 12, 2018	February 12, 2018	February 13, 2018	February 13, 2018	1	A	
148	CW05-ABC-IRF-00139-00	Steel reinforcement for the southern RW stem (Part 1).	February 13, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
149	CW05-ABC-IRF-00140-00	Pipeline Alignment for 1.5" and 2" pipelines along KAR-13 from Sta. 0+000 to Sta. 0+069.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
150	CW05-ABC-IRF-00141-00	Safety and traffic measures for 1.5" and 2" pipeline along KAR-13 from Sta. 0+000 to Sta. 0+069.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
151	CW05-ABC-IRF-00142-00	Start Excavation, installation and backfilling for 1.5" pipeline along KAR-13.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
152	CW05-ABC-IRF-00143-00	Continue Excavation, installation and backfilling for 3" pipeline along KAR-4.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
153	CW05-ABC-IRF-00144-00	Pipeline Alignment for 2" pipeline along KAR-11 from Sta. 0+000 to Sta. 0+057.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
154	CW05-ABC-IRF-00145-00	Safety and traffic measures for 2" pipeline along KAR-11 from Sta. 0+000 to Sta. 0+057.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
155	CW05-ABC-IRF-00146-00	Start Excavation, installation and backfilling for 2" pipeline along KAR-11.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
156	CW05-ABC-IRF-00147-00	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole) as per attached MRR #008.	February 14, 2018	February 14, 2018	February 15, 2018	February 15, 2018	1	A	
157	CW05-ABC-IRF-00148-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-30.	February 15, 2018	February 15, 2018	February 16, 2018	February 15, 2018	0	A	
158	CW05-ABC-IRF-00149-00	Safety and traffic measures prior starting excavation for 1" pipeline along KAR-47 from Sta. 0+000 to Sta. 0+055	February 15, 2018	February 15, 2018	February 16, 2018	February 15, 2018	0	A	
159	CW05-ABC-IRF-00150-00	Start Excavation, installation and backfilling for 2" pipeline along KAR-47 and 1" pipeline along Line 16.	February 15, 2018	February 15, 2018	February 16, 2018	February 15, 2018	0	A	
160	CW05-ABC-IRF-00151-00	Continue Excavation, installation and backfilling for 3" pipeline along KAR-4.	February 15, 2018	February 15, 2018	February 16, 2018	February 15, 2018	0	A	
161	CW05-ABC-IRF-00152-00	Excavation levels and blinding concrete locations for Northern retaining wall prior casting lean concrete.	February 15, 2018	February 17, 2018	February 18, 2018	February 18, 2018	1	A	
162	CW05-ABC-IRF-00153-00	Pipeline Alignment for 2" pipeline along KAR-32 from Sta. 0+000 to Sta. 0+037.	February 18, 2018	February 18, 2018	February 19, 2018	February 18, 2018	0	A	
163	CW05-ABC-IRF-00154-00	Safety and traffic measures for 2" pipeline along KAR-32 from Sta. 0+000 to Sta. 0+037.	February 18, 2018	February 18, 2018	February 19, 2018	February 18, 2018	0	A	
164	CW05-ABC-IRF-00155-00	Casting blinding concrete for Northern retaining wall foundation.	February 19, 2018	February 19, 2018	February 20, 2018	February 20, 2018	1	A	

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165	CW05-ABC-IRF-00156-00	Casting Concrete for the southern RW stem (Part 1).	February 19, 2018	February 20, 2018	February 21, 2018	February 21, 2018	1	A	
166	CW05-ABC-IRF-00157-00	Continue Excavation, installation and backfilling for 3" pipeline along KAR-4.	February 19, 2018	February 20, 2018	February 21, 2018	February 21, 2018	1	A	
167	CW05-ABC-IRF-00158-00	Safety and traffic measures for 4" pipeline along KAR-3 from Sta. 0+000 to Sta. 0+423.95	February 21, 2018	February 21, 2018	February 22, 2018	February 22, 2018	1	A	
168	CW05-ABC-IRF-00159-00	Pipeline Alignment for 4" pipeline along KAR-3 from Sta. 0+000 to Sta. 0+423.95	February 21, 2018	February 21, 2018	February 22, 2018	February 22, 2018	1	A	
169	CW05-ABC-IRF-00160-00	Start Excavation, installation and backfilling for 4" pipeline along KAR-3.	February 21, 2018	February 21, 2018	February 22, 2018	February 22, 2018	1	A	
170	CW05-ABC-IRF-00161-00	Continue Excavation, installation and backfilling for 4" pipeline along KAR-3.	February 21, 2018	February 22, 2018	February 23, 2018	February 22, 2018	0	A	
171	CW05-ABC-IRF-00162-00	Safety and traffic measures for 2" additional pipeline along KAR-48 A from Sta. 0+000 to Sta. 0+100	February 22, 2018	February 22, 2018	February 23, 2018	February 22, 2018	0	A	
172	CW05-ABC-IRF-00163-00	Pipeline Alignment for 2" additional pipeline along KAR-48 A from Sta. 0+000 to Sta. 0+100	February 22, 2018	February 22, 2018	February 23, 2018	February 22, 2018	0	A	
173	CW05-ABC-IRF-00164-00	Safety and traffic measures for 4" pipeline along KAR-1 from Sta. 0+000 to Sta. 0+138	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	C	
174	CW05-ABC-IRF-00164-01	Safety and traffic measures for 4" pipeline along KAR-1 from Sta. 0+000 to Sta. 0+138	March 4, 2018	March 4, 2018	March 5, 2018	March 5, 2018	1	A	
175	CW05-ABC-IRF-00165-00	Pipeline Alignment for 4" pipeline along KAR-1 from Sta. 0+000 to Sta. 0+138	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	C	
176	CW05-ABC-IRF-00165-01	Pipeline Alignment for 4" pipeline along KAR-1 from Sta. 0+000 to Sta. 0+138	March 4, 2018	March 4, 2018	March 5, 2018	March 5, 2018	1	A	
177	CW05-ABC-IRF-00166-00	Start Excavation, installation and backfilling for 4" pipeline along KAR-1.	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	C	
178	CW05-ABC-IRF-00166-01	Start Excavation, installation and backfilling for 4" pipeline along KAR-1.	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
179	CW05-ABC-IRF-00167-00	Safety and traffic measures for common trench 3" pipeline along KAR-2 from Sta. 0+000 to Sta. 0+140 and 4" KAR-1 from Sta. 0+138 to Sta. 0+276.07	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	A	
180	CW05-ABC-IRF-00168-00	Pipeline Alignment for 3" pipeline along KAR-2 from Sta. 0+000 to Sta. 0+140	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	A	
181	CW05-ABC-IRF-00169-00	Start Excavation, installation and backfilling for 3" pipeline along KAR-2.	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	C	
182	CW05-ABC-IRF-00169-01	Start Excavation, installation and backfilling for 3" pipeline along KAR-2.	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
183	CW05-ABC-IRF-00170-00	Location of Precast Manholes at KAR-5 prior start digging at Sta. 0+449	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	C	
184	CW05-ABC-IRF-00170-01	Location of Precast Manholes at KAR-5 prior start digging at Sta. 0+449	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
185	CW05-ABC-IRF-00171-00	Location of Precast Manholes at KAR-30 prior start digging.	February 22, 2018	February 24, 2018	February 25, 2018	February 25, 2018	1	A	
186	CW05-ABC-IRF-00172-00	Excavation and pipe installation for house and future connections including safety measures at KAR-13 and KAR-14	February 25, 2018	February 25, 2018	February 26, 2018	February 26, 2018	1	A	
187	CW05-ABC-IRF-00173-00	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole) as per attached MRR #009.	February 25, 2018	February 25, 2018	February 26, 2018	February 26, 2018	1	A	
188	CW05-ABC-IRF-00174-00	Steel Bars (Ø10, Ø12, Ø14, Ø16, Ø20 and Ø25) as per attached MRR #010.	February 25, 2018	February 25, 2018	February 26, 2018	February 26, 2018	1	A	
189	CW05-ABC-IRF-00175-00	Excavation and pipe installation for house and future connections including safety measures at KAR-10 and KAR-13	February 27, 2018	February 27, 2018	February 28, 2018	February 28, 2018	1	A	
190	CW05-ABC-IRF-00176-00	Environmental Checklist Closeout for the Month of December 2017 and January 2018.	February 27, 2018	February 27, 2018	February 28, 2018	February 28, 2018	1	A	
191	CW05-ABC-IRF-00177-00	Excavation and pipe installation for house and future connections including safety measures at KAR-5	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	
192	CW05-ABC-IRF-00178-00	Formwork and steel reinforcement for retaining walls foundation (Northern RW-TYPE 42-A Section C and TYPE-IV-B) prior casting concrete.	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	

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193	CW05-ABC-IRF-00179-00	Safety and traffic measures for additional 2" pipeline along KAR-7 from Sta. 0+260 to Sta. 0+410.	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	
194	CW05-ABC-IRF-00180-00	Pipeline Alignment for additional 2" pipeline along KAR-7 from Sta. 0+260 to Sta. 0+410.	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	
195	CW05-ABC-IRF-00181-00	Steel Mesh Fence and Posts as per attached MRR #011.	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	
196	CW05-ABC-IRF-00182-00	Casting concrete for retaining walls foundation (Northern RW-TYPE 42-A Section C and TYPE-IV-B)	February 28, 2018	February 28, 2018	March 1, 2018	March 1, 2018	1	A	
197	CW05-ABC-IRF-00183-00	Continue excavation and pipe installation for house and future connections including safety measures at KAR-5	March 1, 2018	March 1, 2018	March 2, 2018	March 1, 2018	0	A	
198	CW05-ABC-IRF-00184-00	Casting lean concrete block under reservoir foundation.	March 1, 2018	March 1, 2018	March 2, 2018	March 1, 2018	0	A	
199	CW05-ABC-IRF-00185-00	Excavation and pipe installation for house and future connections including safety measures at KAR-6	March 1, 2018	March 3, 2018	March 4, 2018	March 4, 2018	1	A	
200	CW05-ABC-IRF-00186-00	Start Excavation for 3" pipelines along KAR-1 and KAR-2	March 1, 2018	March 3, 2018	March 4, 2018	March 4, 2018	1	A	
201	CW05-ABC-IRF-00187-00	Excavation and pipe installation for house connections including safety measures at KAR-5	March 1, 2018	March 3, 2018	March 4, 2018	March 4, 2018	1	A	
202	CW05-ABC-IRF-00188-00	Start installation for 3" and 4" pipelines along KAR-1 and KAR-2	March 4, 2018	March 4, 2018	March 5, 2018	March 5, 2018	1	A	
203	CW05-ABC-IRF-00189-00	Steel reinforcement for the southern RW stem (Part 2).	March 4, 2018	March 4, 2018	March 5, 2018	March 5, 2018	1	A	
204	CW05-ABC-IRF-00190-00	Continue casting lean concrete block under reservoir foundation.	March 4, 2018	March 4, 2018	March 5, 2018	March 5, 2018	1	A	
205	CW05-ABC-IRF-00191-00	Continue casting lean concrete block under reservoir foundation.	March 5, 2018	March 5, 2018	March 6, 2018	March 6, 2018	1	A	
206	CW05-ABC-IRF-00192-00	Excavation and pipe installation for house connections including safety measures at KAR-6	March 5, 2018	March 5, 2018	March 6, 2018	March 6, 2018	1	A	
207	CW05-ABC-IRF-00193-00	Safety and traffic measures for 2" pipelines along KAR-6 from Sta. 0+617.10 to Sta. 0+670	March 5, 2018	March 5, 2018	March 6, 2018	March 6, 2018	1	A	
208	CW05-ABC-IRF-00194-00	Pipeline Alignment for 2" pipelines along KAR-6 from Sta. 0+617.10 to Sta. 0+670	March 5, 2018	March 5, 2018	March 6, 2018	March 6, 2018	1	A	
209	CW05-ABC-IRF-00195-00	Safety and traffic measures for 2" pipelines along KAR-30 from Sta. 0+152 to Sta. 0+202	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
210	CW05-ABC-IRF-00196-00	Pipeline Alignment for 2" pipelines along KAR-30 from Sta. 0+152 to Sta. 0+202	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
211	CW05-ABC-IRF-00197-00	Casting concrete for the southern RW stem (Part 2).	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
212	CW05-ABC-IRF-00198-00	Formwork and steel reinforcement for foundation of the Northern RW (TYPE-IV) prior casting concrete.	March 6, 2018	March 7, 2018	March 8, 2018	March 7, 2018	0	A	
213	CW05-ABC-IRF-00199-00	Casting concrete for foundation of the Northern RW (TYPE-IV)	March 6, 2018	March 7, 2018	March 8, 2018	March 7, 2018	0	A	
214	CW05-ABC-IRF-00200-00	Casting concrete block and encasement at KAR-1 from Sta. 0+077 to Sta. 0+276 and at KAR-2 from Sta. 0+000 to Sta. 0+140.	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
215	CW05-ABC-IRF-00201-00	Continue casting lean concrete block under reservoir foundation.	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
216	CW05-ABC-IRF-00202-00	Safety and traffic measures for 6" pipelines along KAR-3 from Sta. 0+000 to Sta. 0+057	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
217	CW05-ABC-IRF-00203-00	Pipeline Alignment for 6" pipelines along KAR-3 from Sta. 0+000 to Sta. 0+057	March 6, 2018	March 6, 2018	March 7, 2018	March 7, 2018	1	A	
218	CW05-ABC-IRF-00204-00	Continue excavation and pipe installation for house connections including safety measures at KAR-6	March 7, 2018	March 7, 2018	March 8, 2018	March 8, 2018	1	A	
219	CW05-ABC-IRF-00205-00	Excavation and pipe installation for house connections including safety measures at KAR-31	March 7, 2018	March 7, 2018	March 8, 2018	March 8, 2018	1	A	
220	CW05-ABC-IRF-00206-00	Precast Manholes location and start digging at KAR-28 and KAR-29	March 8, 2018	March 8, 2018	March 9, 2018	March 8, 2018	0	A	

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221	CW05-ABC-IRF-00207-00	Precast Manholes location and start digging at KAR-50.	March 8, 2018	March 8, 2018	March 9, 2018	March 8, 2018	0	A	
222	CW05-ABC-IRF-00208-00	Formwork and steel reinforcement for foundation of the Western RW (TYPE-III A) prior casting concrete.	March 8, 2018	March 8, 2018	March 9, 2018	March 8, 2018	0	A	
223	CW05-ABC-IRF-00209-00	Casting concrete for foundation of the Western RW (TYPE-III A)	March 8, 2018	March 8, 2018	March 9, 2018	March 8, 2018	0	A	
224	CW05-ABC-IRF-00210-00	Continue excavation and pipe installation for house connections including safety measures at KAR-6	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
225	CW05-ABC-IRF-00211-00	Excavation and pipe installation for house connections including safety measures at KAR-8	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
226	CW05-ABC-IRF-00212-00	Excavation and pipe installation for house connections including safety measures at KAR-31	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	C	
227	CW05-ABC-IRF-00212-01	Excavation and pipe installation for house connections including safety measures at KAR-31	March 29, 2018	March 31, 2018	April 1, 2018	April 1, 2018	1	A	
228	CW05-ABC-IRF-00213-00	Start excavation, installation and backfilling for 2" pipelines along KAR-6 from Sta. 0+617.10 to Sta. 0+670	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
229	CW05-ABC-IRF-00214-00	Precast Manholes location and start digging at KAR-8 at Sta.0+003	March 8, 2018	March 10, 2018	March 11, 2018	March 11, 2018	1	A	
230	CW05-ABC-IRF-00215-00	Continue Excavation, installation and backfilling for 2" pipelines along KAR-30.	March 11, 2018	March 11, 2018	March 12, 2018	March 12, 2018	1	A	
231	CW05-ABC-IRF-00216-00	Excavation and pipe installation for house connections including safety measures at Line-16	March 11, 2018	March 11, 2018	March 12, 2018	March 12, 2018	1	A	
232	CW05-ABC-IRF-00217-00	Precast Manholes location and start digging at KAR-6 at Sta.0+005	March 11, 2018	March 11, 2018	March 12, 2018	March 12, 2018	1	A	
233	CW05-ABC-IRF-00218-00	Gate valve location and start digging at KAR-5 at Sta.0+003	March 11, 2018	March 11, 2018	March 12, 2018	March 12, 2018	1	A	
234	CW05-ABC-IRF-00219-00	Excavation, installation and backfilling for 2" pipeline along KAR-7 from Sta. 0+260 to Sta. 0+410.	March 12, 2018	March 12, 2018	March 13, 2018	March 13, 2018	1	A	
235	CW05-ABC-IRF-00220-00	Excavation, installation and backfilling for 2" pipeline along KAR-48 A from Sta. 0+000 to Sta. 0+100	March 13, 2018	March 13, 2018	March 14, 2018	March 14, 2018	1	A	
236	CW05-ABC-IRF-00221-00	Continue excavation and pipe installation for house connections including safety measures at KAR-16	March 14, 2018	March 14, 2018	March 15, 2018	March 15, 2018	1	A	
237	CW05-ABC-IRF-00222-00	Gate valve location and start digging at KAR-16 at Sta.0+050	March 14, 2018	March 14, 2018	March 15, 2018	March 15, 2018	1	A	
238	CW05-ABC-IRF-00223-00	Gate valve location and start digging at KAR-17 at Sta.0+006	March 14, 2018	March 14, 2018	March 15, 2018	March 15, 2018	1	A	
239	CW05-ABC-IRF-00224-00	Formwork and steel reinforcement for northern retaining wall stem (TYPE 42-A Section C and TYPE-IV-A) prior casting concrete.	March 14, 2018	March 14, 2018	March 15, 2018	March 15, 2018	1	A	
240	CW05-ABC-IRF-00225-00	Continue excavation and pipe installation for house connections including safety measures at KAR-16	March 15, 2018	March 15, 2018	March 16, 2018	March 15, 2018	0	A	
241	CW05-ABC-IRF-00226-00	Gate valve location and start digging at KAR-21 at Sta.0+006	March 15, 2018	March 15, 2018	March 16, 2018	March 15, 2018	0	A	
242	CW05-ABC-IRF-00227-00	Gate valve location and start digging at KAR-7 at Sta.0+010	March 15, 2018	March 15, 2018	March 16, 2018	March 15, 2018	0	A	
243	CW05-ABC-IRF-00228-00	Excavation and pipe installation for house connections including safety measures at KAR-28	March 15, 2018	March 15, 2018	March 16, 2018	March 15, 2018	0	A	
244	CW05-ABC-IRF-00229-00	Gate valve location and start digging at KAR-31 at Sta.0+003	March 15, 2018	March 17, 2018	March 18, 2018	March 18, 2018	1	A	
245	CW05-ABC-IRF-00230-00	Gate valve location and start digging at KAR-5 at Sta.0+359	March 15, 2018	March 17, 2018	March 18, 2018	March 18, 2018	1	A	
246	CW05-ABC-IRF-00231-00	Excavation and pipe installation for house connections including safety measures at KAR-7	March 15, 2018	March 17, 2018	March 18, 2018	March 18, 2018	1	A	
247	CW05-ABC-IRF-00232-00	Continue excavation and pipe installation for house connections including safety measures at KAR-7	March 18, 2018	March 18, 2018	March 19, 2018	March 19, 2018	1	A	
248	CW05-ABC-IRF-00233-00	Continue excavation and pipe installation for house connections including safety measures at KAR-28	March 18, 2018	March 18, 2018	March 19, 2018	March 19, 2018	1	A	

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249	CW05-ABC-IRF-00234-00	Concrete surface for southern RW foundation and stem prior start coating.	March 18, 2018	March 18, 2018	March 19, 2018	March 19, 2018	1	A	
250	CW05-ABC-IRF-00235-00	Gate valve location and start digging at KAR-5 at Sta.0+195	March 18, 2018	March 18, 2018	March 19, 2018	March 19, 2018	1	A	
251	CW05-ABC-IRF-00236-00	Gate valve location and start digging at KAR-6 at Sta.0+285	March 19, 2018	March 19, 2018	March 20, 2018	March 20, 2018	1	A	
252	CW05-ABC-IRF-00237-00	Gate valve locations at KAR-35 at Sta.0+006 and KAR-31 at Sta.0+104	March 19, 2018	March 19, 2018	March 20, 2018	March 20, 2018	1	A	
253	CW05-ABC-IRF-00238-00	Precast manholes bituminous external coating.	March 19, 2018	March 19, 2018	March 20, 2018	March 20, 2018	1	A	
254	CW05-ABC-IRF-00239-00	Installation of precast manholes for gate valves at KAR-28 at Sta.0+005, KAR-50 at Sta.0+002 and KAR-8 at Sta.0+006	March 20, 2018	March 20, 2018	March 21, 2018	R	R	R	
255	CW05-ABC-IRF-00239-01	Installation of precast manholes for gate valves at KAR-28 at Sta.0+005, KAR-50 at Sta.0+002 and KAR-8 at Sta.0+006	March 21, 2018	March 21, 2018	March 22, 2018	March 22, 2018	1	A	
256	CW05-ABC-IRF-00240-00	Formwork prior casting concrete for northern retaining wall stem (TYPE 42-A Section C and TYPE-IV-A).	March 20, 2018	March 20, 2018	March 21, 2018	March 21, 2018	1	A	
257	CW05-ABC-IRF-00241-00	Casting concrete for northern retaining wall stem (TYPE 42-A Section C and TYPE-IV-A).	March 20, 2018	March 20, 2018	March 21, 2018	March 21, 2018	1	A	
258	CW05-ABC-IRF-00242-00	Start digging for gate valves at KAR-35 at Sta.0+006 and KAR-31 at Sta.0+104	March 20, 2018	March 20, 2018	March 21, 2018	March 21, 2018	1	A	
259	CW05-ABC-IRF-00243-00	First layer of protective coating for southern RW foundation and 3.70 m of the stem.	March 20, 2018	March 20, 2018	March 21, 2018	March 21, 2018	1	A	
260	CW05-ABC-IRF-00244-00	Formwork, steel reinforcement and installation of earthing system and electrical underground conduit prior casting concrete for reservoir foundation.	March 20, 2018	March 21, 2018	March 22, 2018	March 22, 2018	1	A	
261	CW05-ABC-IRF-00245-00	Environmental Checklist Closeout for the Month of February 2018.	March 20, 2018	March 20, 2018	March 21, 2018	March 21, 2018	1	A	
262	CW05-ABC-IRF-00246-00	Casting concrete for reservoir foundations.	March 20, 2018	March 21, 2018	March 22, 2018	March 22, 2018	1	A	
263	CW05-ABC-IRF-00247-00	Installation of precast manholes for gate valves at KAR-5 at Sta.0+449 and KAR-6 at Sta.0+006 and Sta.0+285	March 21, 2018	March 21, 2018	March 22, 2018	March 22, 2018	1	A	
264	CW05-ABC-IRF-00248-00	Gate valve location and start digging at KAR-14 at Sta.0+007	March 22, 2018	March 22, 2018	March 23, 2018	March 22, 2018	0	A	
265	CW05-ABC-IRF-00249-00	Gate valve location and start digging at KAR-9 at Sta.0+101	March 22, 2018	March 22, 2018	March 23, 2018	March 22, 2018	0	A	
266	CW05-ABC-IRF-00250-00	Excavation and pipe installation for house connections including safety measures at KAR-7 & KAR-9	March 22, 2018	March 24, 2018	March 25, 2018	March 25, 2018	1	C	
267	CW05-ABC-IRF-00250-01	Excavation and pipe installation for house connections including safety measures at KAR-7 & KAR-9	March 25, 2018	March 25, 2018	March 26, 2018	March 26, 2018	1	C	
268	CW05-ABC-IRF-00250-02	Excavation and pipe installation for house connections including safety measures at KAR-7 & KAR-9	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
269	CW05-ABC-IRF-00251-00	Gate valves locations and start digging at KAR-9 at Sta.0+003 and KAR-10 at Sta.0+018	March 22, 2018	March 24, 2018	March 25, 2018	March 25, 2018	1	A	
270	CW05-ABC-IRF-00252-00	Galvanized threaded steel pipes 1.5" as per attached MRR #012.	March 25, 2018	March 25, 2018	March 26, 2018	March 26, 2018	1	A	
271	CW05-ABC-IRF-00253-00	Steel reinforcement for western retaining wall stem (TYPE-IV-A) prior casting concrete.	March 26, 2018	March 26, 2018	March 27, 2018	March 27, 2018	1	A	
272	CW05-ABC-IRF-00254-00	Concrete surface for reservoir foundations prior start coating.	March 26, 2018	March 26, 2018	March 27, 2018	March 27, 2018	1	A	
273	CW05-ABC-IRF-00255-00	Joint sealant thioflex 600 as per attached MRR #013.	March 26, 2018	March 26, 2018	March 27, 2018	March 27, 2018	1	A	
274	CW05-ABC-IRF-00256-00	Steel reinforcement for northern retaining wall stem (TYPE-V-B) prior casting concrete.	March 26, 2018	March 26, 2018	March 27, 2018	March 27, 2018	1	A	
275	CW05-ABC-IRF-00257-00	Closing formwork prior casting concrete for western retaining wall stem (TYPE-IV-A)	March 27, 2018	March 27, 2018	March 28, 2018	March 27, 2018	0	A	
276	CW05-ABC-IRF-00258-00	Casting concrete for western retaining wall stem (TYPE-IV-A).	March 27, 2018	March 27, 2018	March 28, 2018	March 27, 2018	0	A	

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277	CW05-ABC-IRF-00259-00	Gate valves locations and start digging at KAR-9 at Sta.0+334, KAR-10 at Sta.0+188 and KAR-11 at Sta.0+005	March 27, 2018	March 27, 2018	March 28, 2018	March 27, 2018	0	A	
278	CW05-ABC-IRF-00260-00	Connection and backfilling for precast gate valve at KAR-5 at Sta.0+449.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
279	CW05-ABC-IRF-00260-01	Connection and backfilling for precast gate valve at KAR-5 at Sta.0+449.	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
280	CW05-ABC-IRF-00261-00	Connection and backfilling for precast gate valve at KAR-6 at Sta.0+285.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
281	CW05-ABC-IRF-00261-01	Connection and backfilling for precast gate valve at KAR-6 at Sta.0+285.	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
282	CW05-ABC-IRF-00262-00	First layer of protective coating for inner faces of reservoir foundations.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	A	
283	CW05-ABC-IRF-00263-00	Surface preparation for western retaining wall foundation (TYPE-IV-A and III).	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
284	CW05-ABC-IRF-00263-01	Surface preparation for western retaining wall foundation (TYPE-IV-A and III).	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
285	CW05-ABC-IRF-00263-02	Surface preparation for western retaining wall foundation (TYPE-IV-A and III).	April 16, 2018	April 16, 2018	April 17, 2018	April 17, 2018	1	A	
286	CW05-ABC-IRF-00264-00	Connection and backfilling for precast gate valve at KAR-6 at Sta.0+005.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
287	CW05-ABC-IRF-00264-01	Connection and backfilling for precast gate valve at KAR-6 at Sta.0+005.	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	A	
288	CW05-ABC-IRF-00265-00	Connection and backfilling for precast gate valve at KAR-50 at Sta.0+002.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
289	CW05-ABC-IRF-00265-01	Connection and backfilling for precast gate valve at KAR-50 at Sta.0+002.	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
290	CW05-ABC-IRF-00266-00	Connection and backfilling for precast gate valve at KAR-28 at Sta.0+005.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	C	
291	CW05-ABC-IRF-00266-01	Connection and backfilling for precast gate valve at KAR-28 at Sta.0+005.	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
292	CW05-ABC-IRF-00267-00	Steel Bars (Ø10, Ø12 , Ø14 , Ø16 , Ø20 and Ø25) as per attached MRR #014.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	A	
293	CW05-ABC-IRF-00268-00	Second layer of protective coating for inner faces of reservoir foundations.	March 28, 2018	March 28, 2018	March 29, 2018	March 29, 2018	1	A	
294	CW05-ABC-IRF-00269-00	Closing formwork prior casting concrete for northern retaining wall stem (TYPE-V-B)	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
295	CW05-ABC-IRF-00270-00	Formwork and steel reinforcement for eastern retaining wall foundation (TYPE-B) prior casting concrete	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
296	CW05-ABC-IRF-00271-00	Casting concrete for northern retaining wall stem (TYPE-V-B) and eastern retaining wall foundation (TYPE-B)	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
297	CW05-ABC-IRF-00272-00	Gate valve location and start digging at KAR-48A at Sta.0+007	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
298	CW05-ABC-IRF-00273-00	Excavation and pipe installation for house and future connections including safety measures at KAR-7	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
299	CW05-ABC-IRF-00274-00	Gate valve location and start digging at KAR-22 at Sta.0+012	March 29, 2018	March 29, 2018	March 30, 2018	March 29, 2018	0	A	
300	CW05-ABC-IRF-00275-00	Excavation and pipe installation for house and future connections including safety measures at KAR-40	March 29, 2018	March 31, 2018	April 1, 2018	April 1, 2018	1	A	
301	CW05-ABC-IRF-00276-00	Gate valve location and start digging at KAR-23 at Sta.0+012	March 29, 2018	March 31, 2018	April 1, 2018	April 1, 2018	1	A	
302	CW05-ABC-IRF-00277-00	Excavation and pipe installation for house and future connections including safety measures at KAR-35	March 29, 2018	March 31, 2018	April 1, 2018	April 1, 2018	1	A	
303	CW05-ABC-IRF-00278-00	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole) as per attached MRR #015.	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	
304	CW05-ABC-IRF-00279-00	Precast Manhole Step as per attached MRR #016.	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	

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305	CW05-ABC-IRF-00280-00	Excavation and pipe installation for house connections including safety measures at KAR-6	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	
306	CW05-ABC-IRF-00281-00	Continue excavation, installation and backfilling for 1.5" pipeline along KAR-29.	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	
307	CW05-ABC-IRF-00282-00	Excavation and pipe installation for house connections including safety measures at KAR-29	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	
308	CW05-ABC-IRF-00283-00	Continue excavation, installation and backfilling for 2" pipeline along KAR-28.	April 1, 2018	April 1, 2018	April 2, 2018	April 2, 2018	1	A	
309	CW05-ABC-IRF-00284-00	Excavation and pipe installation for house and future connections including safety measures at KAR-23	April 2, 2018	April 2, 2018	April 3, 2018	April 3, 2018	1	A	
310	CW05-ABC-IRF-00285-00	Gate valve location and start digging at KAR-27 at Sta.0+010	April 2, 2018	April 2, 2018	April 3, 2018	April 3, 2018	1	A	
311	CW05-ABC-IRF-00286-00	Concrete surface for northern RW (Type 42-A section C, Type V-B and Type IV) foundation and stem prior start coating.	April 2, 2018	April 2, 2018	April 3, 2018	April 3, 2018	1	C	
312	CW05-ABC-IRF-00286-01	Concrete surface for northern RW (Type 42-A section C, Type V-B and Type IV) foundation and stem prior start coating.	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
313	CW05-ABC-IRF-00287-00	Steel reinforcement for western retaining wall stem (TYPE III-A) prior closing formwork.	April 2, 2018	April 2, 2018	April 3, 2018	April 3, 2018	1	A	
314	CW05-ABC-IRF-00288-00	Gate valve location and start digging at KAR-13 at Sta.0+003	April 2, 2018	April 2, 2018	April 3, 2018	April 3, 2018	1	A	
315	CW05-ABC-IRF-00289-00	Excavation and pipe installation for house and future connections including safety measures at KAR-17	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
316	CW05-ABC-IRF-00290-00	Gate valve location and start digging at KAR-7 at Sta.0+205	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
317	CW05-ABC-IRF-00291-00	Gate valve location and start digging at KAR-35 at Sta.0+110	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
318	CW05-ABC-IRF-00292-00	Closing formwork prior casting concrete for western retaining wall stem (TYPE III-A).	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
319	CW05-ABC-IRF-00293-00	Second layer of protective coating for southern RW foundation and 3.70 m of the stem.	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
320	CW05-ABC-IRF-00294-00	Steel reinforcement for columns of the reservoir first level prior closing formwork.	April 3, 2018	April 3, 2018	April 4, 2018	April 4, 2018	1	A	
321	CW05-ABC-IRF-00295-00	Continue excavation and pipe installation for future and house connections including safety measures at KAR-16.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
322	CW05-ABC-IRF-00296-00	Excavation and pipe installation for future and house connections including safety measures at KAR-22.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
323	CW05-ABC-IRF-00297-00	Closing formwork prior casting concrete for columns of the reservoir first level.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
324	CW05-ABC-IRF-00298-00	Casting concrete for columns of the reservoir first level.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
325	CW05-ABC-IRF-00299-00	Casting concrete for western retaining wall stem (TYPE III-A).	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
326	CW05-ABC-IRF-00300-00	Gate valve location and start digging at KAR-32 at Sta.0+005	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
327	CW05-ABC-IRF-00301-00	First layer of protective coating for the external face of northern RW (Type 42-A section C, Type V-B and Type IV) foundation and stem.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
328	CW05-ABC-IRF-00302-00	Second layer of protective coating for the external face of northern RW (Type 42-A section C, Type V-B and Type IV) foundation and stem.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
329	CW05-ABC-IRF-00303-00	First layer of protective coating for the internal face of northern RW (Type 42-A section C, Type V-B and Type IV) stem.	April 4, 2018	April 4, 2018	April 5, 2018	April 5, 2018	1	A	
330	CW05-ABC-IRF-00304-00	Excavation and pipe installation for house and future connections including safety measures at KAR-9	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	
331	CW05-ABC-IRF-00305-00	First layer of protective coating for the internal face of northern RW (Type 42-A section C, Type V-B and Type IV) foundation.	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	
332	CW05-ABC-IRF-00306-00	Second layer of protective coating for the internal face of northern RW (Type 42-A section C, Type V-B and Type IV) stem.	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	

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333	CW05-ABC-IRF-00307-00	Excavation and pipe installation for house connections including safety measures at KAR-14	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	
334	CW05-ABC-IRF-00308-00	Precast manholes bituminous external coating.	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	
335	CW05-ABC-IRF-00309-00	Second layer of protective coating for the internal face of northern RW (Type 42-A section C, Type V-B and Type IV) foundation.	April 5, 2018	April 5, 2018	April 6, 2018	April 5, 2018	0	A	
336	CW05-ABC-IRF-00310-00	Excavation and pipe installation for future and house connections including safety measures at KAR-30	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
337	CW05-ABC-IRF-00311-00	Excavation and pipe installation for future and house connections including safety measures at KAR-47	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
338	CW05-ABC-IRF-00312-00	Excavation and pipe installation for future and house connections including safety measures at KAR-5	April 5, 2018	April 7, 2018	April 8, 2018	April 8, 2018	1	A	
339	CW05-ABC-IRF-00313-00	Excavation and pipe installation for future and house connections including safety measures at KAR-23	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	C	
340	CW05-ABC-IRF-00313-01	Excavation and pipe installation for future and house connections including safety measures at KAR-23	April 18, 2018	April 18, 2018	April 19, 2018	April 19, 2018	1	A	
341	CW05-ABC-IRF-00314-00	Excavation and pipe installation for house connections including safety measures at Line-204 and Line-273	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
342	CW05-ABC-IRF-00315-00	Excavation and pipe installation for 2" pipelines and house connections including safety measures at KAR-21	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
343	CW05-ABC-IRF-00316-00	Installation of precast manholes for gate valve at KAR-9 at Sta.0+003	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
344	CW05-ABC-IRF-00317-00	Installation of precast manholes for gate valve at KAR-9 at Sta.0+103	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
345	CW05-ABC-IRF-00318-00	Installation of precast manholes for gate valve at KAR-9 at Sta.0+334	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
346	CW05-ABC-IRF-00319-00	Installation of precast manholes for gate valve at KAR-11 at Sta.0+005	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
347	CW05-ABC-IRF-00320-00	Installation of precast manholes for gate valve at KAR-10 at Sta.0+188	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
348	CW05-ABC-IRF-00321-00	Installation of precast manholes for gate valve at KAR-14 at Sta.0+003	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
349	CW05-ABC-IRF-00322-00	Installation of precast manholes for gate valve at KAR-7 at Sta.0+005	April 5, 2018	April 8, 2018	April 9, 2018	April 9, 2018	1	A	
350	CW05-ABC-IRF-00323-00	Steel reinforcement for eastern retaining wall stem (TYPE-B).	April 5, 2018	April 8, 2018	April 9, 2018	April 8, 2018	0	A	
351	CW05-ABC-IRF-00324-00	Connection and backfilling for precast gate valve at KAR-8 at Sta.0+003.	April 9, 2018	April 9, 2018	April 10, 2018	April 10, 2018	1	A	
352	CW05-ABC-IRF-00325-00	Connection and backfilling for precast gate valve at KAR-14 at Sta.0+007.	April 9, 2018	April 9, 2018	April 10, 2018	April 10, 2018	1	A	
353	CW05-ABC-IRF-00326-00	Final formwork and Casting concrete for eastern retaining wall stem (TYPE-B).	April 10, 2018	April 10, 2018	April 11, 2018	April 11, 2018	1	A	
354	CW05-ABC-IRF-00327-00	Casting Concrete Encasement from Sta. 0+038 to Sta. 0+045.50 at KAR-21	April 10, 2018	April 10, 2018	April 11, 2018	April 11, 2018	1	A	
355	CW05-ABC-IRF-00328-00	Excavation and pipe installation for house connections including safety measures at KAR-11	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	C	
356	CW05-ABC-IRF-00328-01	Excavation and pipe installation for house connections including safety measures at KAR-11	April 16, 2018	April 16, 2018	April 17, 2018	April 17, 2018	1	A	
357	CW05-ABC-IRF-00329-00	Connection and backfilling for precast gate valve at KAR-9 at Sta.0+103	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	A	
358	CW05-ABC-IRF-00330-00	Connection and backfilling for precast gate valve at KAR-9 at Sta.0+334	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	A	
359	CW05-ABC-IRF-00331-00	Connection and backfilling for precast gate valve at KAR-10 at Sta.0+188	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	A	
360	CW05-ABC-IRF-00332-00	Steel reinforcement and casting concrete for slab on grade.	April 11, 2018	April 11, 2018	April 12, 2018	April 12, 2018	1	A	

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361	CW05-ABC-IRF-00333-00	Precast manholes bituminous external coating.	April 12, 2018	April 12, 2018	April 13, 2018	April 12, 2018	0	A	
362	CW05-ABC-IRF-00334-00	First layer of protective coating for external faces of reservoir foundations.	April 12, 2018	April 12, 2018	April 13, 2018	April 12, 2018	0	A	
363	CW05-ABC-IRF-00335-00	Gate valve location and start digging at KAR-6 at Sta.0+476	April 12, 2018	April 12, 2018	April 13, 2018	April 12, 2018	0	A	
364	CW05-ABC-IRF-00336-00	Second layer of protective coating for external faces of reservoir foundations.	April 12, 2018	April 12, 2018	April 13, 2018	April 12, 2018	0	A	
365	CW05-ABC-IRF-00337-00	Installation of precast manholes for gate valve at KAR-5 at Sta.0+359	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
366	CW05-ABC-IRF-00338-00	Installation of precast manholes for gate valve at KAR-31 at Sta.0+003	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
367	CW05-ABC-IRF-00339-00	Installation of precast manholes for gate valve at KAR-31 at Sta.0+104	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
368	CW05-ABC-IRF-00340-00	Installation of precast manholes for gate valve at KAR-35 at Sta.0+006	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
369	CW05-ABC-IRF-00341-00	Installation of precast manholes for gate valve at KAR-7 at Sta.0+205	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
370	CW05-ABC-IRF-00342-00	Surface preparation for internal face of eastern retaining wall (TYPE-B) stem and foundation.	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
371	CW05-ABC-IRF-00343-00	Installation of precast manholes for gate valve at KAR-16 at Sta.0+050	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
372	CW05-ABC-IRF-00344-00	First layer of protective coating for internal face of eastern retaining wall (TYPE-B) stem and foundation.	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
373	CW05-ABC-IRF-00345-00	Second layer of protective coating for internal face of eastern retaining wall (TYPE-B) stem and foundation.	April 12, 2018	April 12, 2018	April 13, 2018	April 14, 2018	2	A	
374	CW05-ABC-IRF-00346-00	Installation of precast manholes for gate valve at KAR-5 at Sta.0+003	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
375	CW05-ABC-IRF-00346-01	Installation of precast manholes for gate valve at KAR-5 at Sta.0+003	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
376	CW05-ABC-IRF-00347-00	Installation of precast manholes for gate valve at KAR-5 at Sta.0+195	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
377	CW05-ABC-IRF-00347-01	Installation of precast manholes for gate valve at KAR-5 at Sta.0+195	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
378	CW05-ABC-IRF-00348-00	Installation of precast manholes for gate valve at KAR-35 at Sta.0+110	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
379	CW05-ABC-IRF-00348-01	Installation of precast manholes for gate valve at KAR-35 at Sta.0+110	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
380	CW05-ABC-IRF-00349-00	Installation of precast manholes for gate valve at KAR-21 at Sta.0+006	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
381	CW05-ABC-IRF-00349-01	Installation of precast manholes for gate valve at KAR-21 at Sta.0+006	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
382	CW05-ABC-IRF-00350-00	Installation of precast manholes for gate valve at KAR-17 at Sta.0+006	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
383	CW05-ABC-IRF-00350-01	Installation of precast manholes for gate valve at KAR-17 at Sta.0+006	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
384	CW05-ABC-IRF-00351-00	Excavation and pipe installation for future and house connections including safety measures at KAR-9	April 12, 2018	April 14, 2018	April 15, 2018	April 15, 2018	1	C	
385	CW05-ABC-IRF-00351-01	Excavation and pipe installation for future and house connections including safety measures at KAR-9	April 17, 2018	April 17, 2018	April 18, 2018	April 18, 2018	1	A	
386	CW05-ABC-IRF-00352-00	Installation of precast manholes for gate valve at KAR-13 at Sta.0+003	April 12, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	C	
387	CW05-ABC-IRF-00352-01	Installation of precast manholes for gate valve at KAR-13 at Sta.0+003	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
388	CW05-ABC-IRF-00353-00	Installation of precast manholes for gate valve at KAR-22 at Sta.0+012	April 12, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	

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389	CW05-ABC-IRF-00354-00	Installation of precast manholes for gate valve at KAR-23 at Sta.0+012	April 12, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
390	CW05-ABC-IRF-00355-00	Installation of precast manholes for gate valve at KAR-48A at Sta.0+007	April 12, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
391	CW05-ABC-IRF-00356-00	Installation of precast manholes for gate valve at KAR-29 at Sta.0+005	April 12, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
392	CW05-ABC-IRF-00357-00	Precast manholes bituminous external coating.	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
393	CW05-ABC-IRF-00358-00	Service Connection Chamber location prior start digging at KAR-1.	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
394	CW05-ABC-IRF-00359-00	Installation of precast manholes for gate valve at KAR-10 at Sta.0+018	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
395	CW05-ABC-IRF-00360-00	Installation of precast manholes for gate valve at KAR-27 at Sta.0+010	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
396	CW05-ABC-IRF-00361-00	Surface preparation for the external face of eastern retaining wall (TYPE-B) stem and foundation.	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
397	CW05-ABC-IRF-00362-00	First layer of protective coating for the external face of eastern retaining wall (TYPE-B) stem and foundation.	April 15, 2018	April 15, 2018	April 16, 2018	April 16, 2018	1	A	
398	CW05-ABC-IRF-00363-00	Surface preparation for western retaining wall stem (TYPE-IV-A and III).	April 16, 2018	April 16, 2018	April 17, 2018	April 17, 2018	1	A	
399	CW05-ABC-IRF-00364-00	Excavation and pipe installation for future connections including safety measures at KAR-10	April 17, 2018	April 17, 2018	April 18, 2018	April 18, 2018	1	A	
400	CW05-ABC-IRF-00365-00	Formwork, steel reinforcement and casting concrete for stair case (part 1) - Reservoir first level.	April 17, 2018	April 17, 2018	April 18, 2018	April 18, 2018	1	A	
401	CW05-ABC-IRF-00366-00	Connection and backfilling for precast gate valve at KAR-11 at Sta.0+005	April 17, 2018	April 17, 2018	April 18, 2018	April 18, 2018	1	A	
402	CW05-ABC-IRF-00367-00	First layer of protective coating for western retaining wall foundation and stem (TYPE-IV-A and III).	April 17, 2018	April 17, 2018	April 18, 2018	April 18, 2018	1	A	
403	CW05-ABC-IRF-00368-00	Excavation and pipe installation for future and house connections including safety measures at KAR-9	April 18, 2018	April 18, 2018	April 19, 2018	April 19, 2018	1	A	
404	CW05-ABC-IRF-00369-00	Gate valve location and start digging at KAR-6 at Sta.0+440	April 18, 2018	April 18, 2018	April 19, 2018	April 19, 2018	1	A	
405	CW05-ABC-IRF-00370-00	Second layer of protective coating for external faces of eastern retaining wall (TYPE-B) stem and foundation and for western retaining wall foundation and stem (TYPE-IV-A and III).	April 18, 2018	April 18, 2018	April 19, 2018	April 19, 2018	1	A	
406	CW05-ABC-IRF-00371-00	Excavation level and dimensions for service main connection chamber at KAR-1 at Sta. 0+000	April 18, 2018	April 18, 2018	April 19, 2018	April 19, 2018	1	A	
407	CW05-ABC-IRF-00372-00	Excavation and pipe installation for house connections including safety measures at KAR-5	April 19, 2018	April 19, 2018	April 20, 2018	April 19, 2018	0	A	
408	CW05-ABC-IRF-00373-00	Gate valve location and start digging at KAR-15 at Sta.0+006	April 19, 2018	April 19, 2018	April 20, 2018	April 19, 2018	0	A	
409	CW05-ABC-IRF-00374-00	Excavation and pipe installation for house connections including safety measures at KAR-3	April 19, 2018	April 21, 2018	April 22, 2018	April 22, 2018	1	A	
410	CW05-ABC-IRF-00375-00	Excavation and pipe installation for house connections including safety measures at KAR-10	April 19, 2018	April 21, 2018	April 22, 2018	April 22, 2018	1	A	
411	CW05-ABC-IRF-00376-00	Gate valve location and start digging at KAR-18 at Sta.0+002	April 19, 2018	April 21, 2018	April 22, 2018	April 23, 2018	2	A	
412	CW05-ABC-IRF-00377-00	Installation of precast manholes for gate valve at KAR-15 at Sta.0+006	April 19, 2018	April 21, 2018	April 22, 2018	April 22, 2018	1	C	
413	CW05-ABC-IRF-00377-01	Installation of precast manholes for gate valve at KAR-15 at Sta.0+006	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
414	CW05-ABC-IRF-00378-00	Steel reinforcement for beams and stair case (part 2) for the first level of the reservoir prior closing formwork.	April 22, 2018	April 22, 2018	April 23, 2018	April 23, 2018	1	A	
415	CW05-ABC-IRF-00379-00	Gate valve location and start digging at KAR-20 at Sta.0+010	April 22, 2018	April 22, 2018	April 23, 2018	April 23, 2018	1	A	
416	CW05-ABC-IRF-00380-00	Continue excavation and pipe installation for house connections including safety measures at KAR-3	April 22, 2018	April 22, 2018	April 23, 2018	April 23, 2018	1	A	

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417	CW05-ABC-IRF-00381-00	Closing formwork and casting concrete for beams and stair case (part 2) of the reservoir first level.	April 22, 2018	April 22, 2018	April 23, 2018	April 23, 2018	1	A	
418	CW05-ABC-IRF-00382-00	Continue excavation and pipe installation for future and house connections including safety measures at KAR-3	April 23, 2018	April 23, 2018	April 24, 2018	April 24, 2018	1	A	
419	CW05-ABC-IRF-00383-00	Gate valve location and start digging at KAR-8 at Sta.0+120	April 23, 2018	April 23, 2018	April 24, 2018	April 24, 2018	1	A	
420	CW05-ABC-IRF-00384-00	Excavation and pipe installation for future and house connections including safety measures at KAR-15	April 23, 2018	April 23, 2018	April 24, 2018	April 24, 2018	1	A	
421	CW05-ABC-IRF-00385-00	Continue excavation and pipe installation for future and house connections including safety measures at KAR-15	April 24, 2018	April 24, 2018	April 25, 2018	April 25, 2018	1	A	
422	CW05-ABC-IRF-00386-00	Steel Bars (Ø10, Ø14, Ø16 and Ø25) as per attached MRR #017.	April 24, 2018	April 24, 2018	April 25, 2018	April 25, 2018	1	A	
423	CW05-ABC-IRF-00387-00	Formwork and steel reinforcement prior casting concrete for service main connection chamber at KAR-1 at Sta. 0+000	April 24, 2018	April 24, 2018	April 25, 2018	April 25, 2018	1	A	
424	CW05-ABC-IRF-00388-00	Continue excavation and pipe installation for future and house connections including safety measures at KAR-3	April 24, 2018	April 24, 2018	April 25, 2018	April 25, 2018	1	A	
425	CW05-ABC-IRF-00389-00	Connection and backfilling for precast gate valve at KAR-7 at Sta.0+205	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
426	CW05-ABC-IRF-00390-00	Connection and backfilling for precast gate valve at KAR-16 at Sta.0+050	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
427	CW05-ABC-IRF-00391-00	Pipeline Alignment prior start digging at KAR-14 from Sta. 0+167.5 to Sta. 0+287.5	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
428	CW05-ABC-IRF-00392-00	Gate valve location and start digging at KAR-14 at Sta.0+280	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
429	CW05-ABC-IRF-00393-00	Environmental Checklist Closeout for the Month of March 2018.	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
430	CW05-ABC-IRF-00394-00	Casting concrete for the foundation of service main connection chamber at KAR-1 at Sta. 0+000	April 25, 2018	April 25, 2018	April 26, 2018	April 26, 2018	1	A	
431	CW05-ABC-IRF-00395-00	Steel reinforcement for columns of the reservoir second level.	April 26, 2018	April 26, 2018	April 27, 2018	April 26, 2018	0	A	
432	CW05-ABC-IRF-00396-00	Precast manholes bituminous external coating.	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
433	CW05-ABC-IRF-00397-00	Installation of precast manholes for gate valves at KAR-14 at Sta.0+280, KAR-18 at Sta.0+002 and KAR-20 at Sta.0+010	April 26, 2018	April 28, 2018	April 29, 2018	April 29, 2018	1	A	
434	CW05-ABC-IRF-00398-00	Steel reinforcement for walls of the service main connection chamber at KAR-1 at Sta. 0+000	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
435	CW05-ABC-IRF-00399-00	Connection and backfilling for precast gate valves at KAR-31 at Sta.0+003 and KAR-5 at Sta.0+359	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
436	CW05-ABC-IRF-00400-00	Precast manholes bituminous external coating.	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
437	CW05-ABC-IRF-00401-00	Cathodic Protection Components.	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
438	CW05-ABC-IRF-00402-00	Puddle flange for service main connection chamber at KAR-1 at Sta. 0+000	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
439	CW05-ABC-IRF-00403-00	Installation of precast manholes for gate valves at KAR-32 at Sta.0+005, KAR-30 at Sta.0+003, KAR-8 at Sta.0+120 and KAR-6 at Sta.0+440 and Sta.0+476	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
440	CW05-ABC-IRF-00404-00	Steel reinforcement prior closing formwork for second level stair case (part 1).	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
441	CW05-ABC-IRF-00405-00	Level under perforated pipes at Karma reservoir.	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	C	
442	CW05-ABC-IRF-00405-01	Level under perforated pipes at Karma reservoir.	April 30, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
443	CW05-ABC-IRF-00406-00	Connection and backfilling for precast gate valves at KAR-18 at Sta.0+002, KAR-5 at Sta.0+195 and KAR-6 at Sta.0+440	April 29, 2018	April 29, 2018	April 30, 2018	April 30, 2018	1	A	
444	CW05-ABC-IRF-00407-00	Excavation and pipe installation for house connections including safety measures at KAR-3	April 30, 2018	April 30, 2018	May 1, 2018	April 30, 2018	0	A	

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445	CW05-ABC-IRF-00408-00	Excavation and pipe installation for future and house connections including safety measures at KAR-18	April 30, 2018	April 30, 2018	May 1, 2018	April 30, 2018	0	A	
446	CW05-ABC-IRF-00409-00	Closing formwork for walls of the service main connection chamber at KAR-1 at Sta. 0+000	April 30, 2018	April 30, 2018	May 1, 2018	April 30, 2018	0	A	
447	CW05-ABC-IRF-00410-00	Casting concrete for walls of the service main connection chamber at KAR-1 at Sta. 0+000	April 30, 2018	April 30, 2018	May 1, 2018	April 30, 2018	0	A	
448	CW05-ABC-IRF-00411-00	Excavation and pipe installation for house connections including safety measures at KAR-14	April 30, 2018	April 30, 2018	May 1, 2018	April 30, 2018	0	A	
449	CW05-ABC-IRF-00412-00	Closing formwork for second level stair case (part 1).	April 30, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
450	CW05-ABC-IRF-00413-00	Closing formwork for columns of second level of the reservoir.	April 30, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
451	CW05-ABC-IRF-00414-00	Casting concrete for second level columns and stair case (part 1) - reservoir second level	April 30, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
452	CW05-ABC-IRF-00415-00	Excavation and pipe installation for house connections including safety measures at KAR-6 and KAR-6A	May 1, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
453	CW05-ABC-IRF-0416-00	Washout location and start digging at KAR-6 at Sta.0+480	May 1, 2018	May 1, 2018	May 2, 2018	May 2, 2018	1	A	
454	CW05-ABC-IRF-00417-00	Install drain piping with total length of 35 m for retaining walls (Type 042-A and Type B).	May 2, 2018	May 2, 2018	May 3, 2018	May 3, 2018	1	A	
455	CW05-ABC-IRF-00418-00	Excavation and pipe installation for future and house connections including safety measures at KAR-50	May 2, 2018	May 2, 2018	May 3, 2018	May 3, 2018	1	A	
456	CW05-ABC-IRF-0419-00	Gate valve location and start digging at KAR-48 at Sta.0+247	May 2, 2018	May 2, 2018	May 3, 2018	May 3, 2018	1	A	
457	CW05-ABC-IRF-00420-00	Excavation and pipe installation for house connections including safety measures at KAR-6	May 2, 2018	May 2, 2018	May 3, 2018	May 3, 2018	1	A	
458	CW05-ABC-IRF-00421-00	Excavation and pipe installation for future and house connections including safety measures at KAR-17	May 3, 2018	May 3, 2018	May 4, 2018	May 3, 2018	0	A	
459	CW05-ABC-IRF-0422-00	Gate valve location and start digging at KAR-48 at Sta.0+060	May 3, 2018	May 3, 2018	May 4, 2018	May 3, 2018	0	A	
460	CW05-ABC-IRF-0423-00	Puddle flange for precast manholes as per attached MRR#019	May 3, 2018	May 3, 2018	May 4, 2018	May 3, 2018	0	A	
461	CW05-ABC-IRF-00424-00	Excavation and pipe installation for house connections including safety measures at KAR-16	May 3, 2018	May 3, 2018	May 4, 2018	May 3, 2018	0	A	
462	CW05-ABC-IRF-00425-00	Steel reinforcement for the slab of the service main connection chamber at KAR-1 at Sta. 0+000	May 3, 2018	May 3, 2018	May 4, 2018	May 3, 2018	0	A	
463	CW05-ABC-IRF-00426-00	Casting concrete for the slab of the service main connection chamber at KAR-1 at Sta. 0+000	May 3, 2018	May 3, 2018	May 4, 2018	May 6, 2018	3	A	
464	CW05-ABC-IRF-00427-00	Excavation and pipe installation for house connections including safety measures at KAR-4	May 6, 2018	May 6, 2018	May 7, 2018	May 7, 2018	1	C	
465	CW05-ABC-IRF-00427-01	Excavation and pipe installation for house connections including safety measures at KAR-4	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	
466	CW05-ABC-IRF-00428-00	Connection and backfilling for precast gate valve at KAR-9 at Sta.0+003	May 6, 2018	May 6, 2018	May 7, 2018	May 7, 2018	1	A	
467	CW05-ABC-IRF-00429-00	Excavation and pipe installation for house connections including safety measures at KAR-7	May 7, 2018	May 7, 2018	May 8, 2018	May 8, 2018	1	A	
468	CW05-ABC-IRF-00430-00	Continue excavation and pipe installation for house connections including safety measures at KAR-4	May 7, 2018	May 7, 2018	May 8, 2018	May 8, 2018	1	A	
469	CW05-ABC-IRF-00431-00	Connection and backfilling for precast gate valve at KAR-7 at Sta.0+005	May 7, 2018	May 7, 2018	May 8, 2018	May 8, 2018	1	A	
470	CW05-ABC-IRF-00432-00	Excavation and pipe installation for house connections including safety measures at KAR-21	May 8, 2018	May 8, 2018	May 9, 2018	May 9, 2018	1	A	
471	CW05-ABC-IRF-00433-00	Steel reinforcement for beams and stair case (part 2) prior closing formwork for the reservoir second level.	May 8, 2018	May 8, 2018	May 9, 2018	May 9, 2018	1	A	
472	CW05-ABC-IRF-00434-00	Excavation and pipe installation for house and future connections including safety measures at KAR-4	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	

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473	CW05-ABC-IRF-00435-00	Closing formwork and casting concrete for beams and stair case (part 2) for the reservoir second level.	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	
474	CW05-ABC-IRF-00436-00	Excavation and pipe installation for 2" pipelines including safety measures at KAR-21	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	
475	CW05-ABC-IRF-00437-00	Connection and backfilling for precast gate valve at KAR-21 at Sta.0+006	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	
476	CW05-ABC-IRF-00438-00	Continue excavation, installation and backfilling for 2" pipelines along KAR-16 including safety measures.	May 9, 2018	May 9, 2018	May 10, 2018	May 10, 2018	1	A	
477	CW05-ABC-IRF-00439-00	Continue excavation and pipe installation for house and future connections including safety measures at KAR-4	May 10, 2018	May 10, 2018	May 11, 2018	May 10, 2018	0	A	
478	CW05-ABC-IRF-00440-00	Location of 3" gate valve at Sta.0+241, 3" gate valve at Sta.0+603, washout at Sta.0+303 and air vent at Sta.0+607 at KAR-4.	May 10, 2018	May 10, 2018	May 11, 2018	May 10, 2018	0	A	
479	CW05-ABC-IRF-00441-00	Continue excavation and pipe installation for house and future connections including safety measures at KAR-4	May 10, 2018	May 12, 2018	May 13, 2018	May 13, 2018	1	A	
480	CW05-ABC-IRF-00442-00	Continue excavation and pipe installation for house and future connections including safety measures at KAR-4	May 13, 2018	May 13, 2018	May 14, 2018	May 14, 2018	1	A	
481	CW05-ABC-IRF-00443-00	Steel reinforcement for columns of the reservoir third level prior closing formwork.	May 14, 2018	May 14, 2018	May 15, 2018	May 14, 2018	0	A	
482	CW05-ABC-IRF-00444-00	Surface preparation prior applying bituminous external coating for service main connection chamber at KAR-1 Sta.0+000.	May 16, 2018	May 16, 2018	May 17, 2018	May 17, 2018	1	A	
483	CW05-ABC-IRF-00445-00	Excavation and pipe installation for house connections including safety measures at KAR-48	May 16, 2018	May 16, 2018	May 17, 2018	May 17, 2018	1	A	
484	CW05-ABC-IRF-00446-00	Connection and backfilling for precast gate valve at KAR-6 at Sta.0+476	May 17, 2018	May 17, 2018	May 18, 2018	May 17, 2018	0	A	
485	CW05-ABC-IRF-00447-00	Location of air vent at KAR-9 at Sta.0+403 and washout at Sta.0+109	May 17, 2018	May 17, 2018	May 18, 2018	May 17, 2018	0	A	
486	CW05-ABC-IRF-00448-00	First layer of protective bituminous external coating for service main connection chamber at KAR-1 Sta.0+000.	May 17, 2018	May 17, 2018	May 18, 2018	May 17, 2018	0	A	
487	CW05-ABC-IRF-00449-00	Excavation and pipe installation for house connections including safety measures at KAR-27	May 17, 2018	May 19, 2018	May 20, 2018	May 20, 2018	1	A	
488	CW05-ABC-IRF-00450-00	Second layer of protective bituminous external coating for service main connection chamber at KAR-1 Sta.0+000.	May 17, 2018	May 19, 2018	May 20, 2018	May 20, 2018	1	A	
489	CW05-ABC-IRF-00451-00	Location and start digging for 4" gate valve at KAR-3 Sta.0+066.	May 20, 2018	May 20, 2018	May 21, 2018	May 21, 2018	1	A	
490	CW05-ABC-IRF-00452-00	Continue excavation and pipe installation for house connections including safety measures at KAR-27	May 20, 2018	May 20, 2018	May 21, 2018	May 21, 2018	1	A	
491	CW05-ABC-IRF-00453-00	Closing formwork for columns and stair case (part 1) of the reservoir third level.	May 20, 2018	May 20, 2018	May 21, 2018	May 21, 2018	1	A	
492	CW05-ABC-IRF-00454-00	Location and start digging for air vent at KAR-8 Sta.0+006, air vent at KAR-31 Sta.0+005 and washout at KAR-5 Sta.0+383.	May 21, 2018	May 21, 2018	May 22, 2018	May 22, 2018	1	A	
493	CW05-ABC-IRF-00455-00	Casting concrete for columns and stair case (part 1) of the reservoir third level.	May 21, 2018	May 22, 2018	May 23, 2018	May 23, 2018	1	A	
494	CW05-ABC-IRF-00456-00	Connection and backfilling for precast gate valve at KAR-48A Sta.0+007	May 22, 2018	May 22, 2018	May 23, 2018	May 23, 2018	1	A	
495	CW05-ABC-IRF-00457-00	Excavation, installation and backfilling for 2" pipelines along KAR-14 including safety measures.	May 23, 2018	May 23, 2018	May 24, 2018	May 24, 2018	1	A	
496	CW05-ABC-IRF-00458-00	Continue excavation, installation and backfilling for 2" pipelines along KAR-14 including safety measures.	May 24, 2018	May 24, 2018	May 25, 2018	May 24, 2018	0	A	
497	CW05-ABC-IRF-00459-00	Location and start digging for air vents at KAR-5 Sta.0+197 and at KAR-6 Sta.0+125	May 24, 2018	May 26, 2018	May 27, 2018	May 27, 2018	1	A	
498	CW05-ABC-IRF-00460-00	Connection and backfilling for precast gate valve at KAR-22 Sta.0+012	May 24, 2018	May 26, 2018	May 27, 2018	May 27, 2018	1	A	
499	CW05-ABC-IRF-00461-00	Excavation, installation and backfilling for 2" pipelines along KAR-48 including safety measures.	May 27, 2018	May 27, 2018	May 28, 2018	May 28, 2018	1	A	
500	CW05-ABC-IRF-00462-00	Connection and backfilling for precast gate valve at KAR-23 Sta.0+012	May 27, 2018	May 27, 2018	May 28, 2018	May 28, 2018	1	A	

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501	CW05-ABC-IRF-00463-00	Washout location at KAR-35 Sta.0+058	May 28, 2018	May 28, 2018	May 29, 2018	May 29, 2018	1	A	
502	CW05-ABC-IRF-00464-00	Steel Bars (Ø10, Ø16 , Ø20 and Ø25) as per attached MRR #020	May 28, 2018	May 28, 2018	May 29, 2018	May 29, 2018	1	A	
503	CW05-ABC-IRF-00465-00	Connection and backfilling for precast gate valve at KAR-27 Sta.0+010	May 28, 2018	May 28, 2018	May 29, 2018	May 29, 2018	1	A	
504	CW05-ABC-IRF-00466-00	Steel reinforcement for beams of the reservoir third level.	May 28, 2018	May 29, 2018	May 30, 2018	May 30, 2018	1	A	
505	CW05-ABC-IRF-00467-00	Start digging for washout at KAR-35 Sta.0+058.	May 29, 2018	May 29, 2018	May 30, 2018	May 30, 2018	1	A	
506	CW05-ABC-IRF-00468-00	Steel reinforcement for stair case (part 2) of the reservoir third level prior closing formwork.	May 30, 2018	May 30, 2018	May 31, 2018	May 31, 2018	1	A	
507	CW05-ABC-IRF-00469-00	Closing formwork for beams and stair case (part 2) of the reservoir third level prior casting concrete.	May 30, 2018	May 30, 2018	May 31, 2018	May 31, 2018	1	C	
508	CW05-ABC-IRF-00469-01	Closing formwork for beams and stair case (part 2) of the reservoir third level prior casting concrete.	May 31, 2018	May 31, 2018	June 1, 2018	May 31, 2018	0	A	
509	CW05-ABC-IRF-00470-00	Casting concrete for beams and stair case (part 2) of the reservoir third level.	May 30, 2018	May 30, 2018	May 31, 2018	May 31, 2018	1	C	
510	CW05-ABC-IRF-00470-01	Casting concrete for beams and stair case (part 2) of the reservoir third level.	May 31, 2018	May 31, 2018	June 1, 2018	May 31, 2018	0	A	
511	CW05-ABC-IRF-00471-00	Excavation and pipe installation for house connections including safety measures at KAR-48	May 31, 2018	May 31, 2018	June 1, 2018	May 31, 2018	0	A	
512	CW05-ABC-IRF-00472-00	Washout location and start digging at KAR-1 Sta. 0+005	May 31, 2018	May 31, 2018	June 1, 2018	May 31, 2018	0	A	
513	CW05-ABC-IRF-00473-00	Excavation and pipe installation for house and future connections including safety measures at KAR-48	May 31, 2018	June 2, 2018	June 3, 2018	June 3, 2018	1	C	
514	CW05-ABC-IRF-00473-01	Excavation and pipe installation for house and future connections including safety measures at KAR-48	June 3, 2018	June 3, 2018	June 4, 2018	June 4, 2018	1	A	
515	CW05-ABC-IRF-00474-00	Location of washout at KAR-3 Sta.0+396 and air vent at KAR-4 Sta.0+218	May 31, 2018	June 2, 2018	June 3, 2018	June 3, 2018	1	A	
516	CW05-ABC-IRF-00475-00	Location of 3" gate valve at KAR-4 Sta.0+007 and 4" gate valve at KAR-3 Sta.0+392	May 31, 2018	June 2, 2018	June 3, 2018	June 3, 2018	1	A	
517	CW05-ABC-IRF-00476-00	Start digging for washout at KAR-4 Sta.0+303 and air vent at KAR-4 Sta.0+218	June 3, 2018	June 3, 2018	June 4, 2018	June 4, 2018	1	A	
518	CW05-ABC-IRF-00477-00	Start digging for 3" gate valve at KAR-4 Sta.0+007 and 4" gate valve at KAR-3 Sta.0+392	June 4, 2018	June 4, 2018	June 5, 2018	June 5, 2018	1	A	
519	CW05-ABC-IRF-00478-00	Steel reinforcement for columns of the reservoir fourth level.	June 5, 2018	June 5, 2018	June 6, 2018	June 6, 2018	1	A	
520	CW05-ABC-IRF-00479-00	Excavation, installation and backfilling for 2" pipelines and house connections along KAR-48A including safety measures.	June 5, 2018	June 5, 2018	June 6, 2018	June 6, 2018	1	A	
521	CW05-ABC-IRF-00480-00	Excavation and pipe installation for future connections including safety measures at KAR-48A	June 7, 2018	June 7, 2018	June 8, 2018	June 7, 2018	0	A	
522	CW05-ABC-IRF-00481-00	Excavation and pipe installation for house connections including safety measures at KAR-48	June 7, 2018	June 9, 2018	June 10, 2018	June 10, 2018	1	A	
523	CW05-ABC-IRF-00482-00	Excavation and pipe installation for future connections including safety measures at KAR-23	June 7, 2018	June 9, 2018	June 10, 2018	June 9, 2018	0	C	
524	CW05-ABC-IRF-00482-01	Excavation and pipe installation for future connections including safety measures at KAR-23	June 10, 2018	June 10, 2018	June 11, 2018	June 10, 2018	0	A	
525	CW05-ABC-IRF-00483-00	Excavation and pipe installation for house connections including safety measures at KAR-48	June 10, 2018	June 10, 2018	June 11, 2018	June 11, 2018	1	A	
526	CW05-ABC-IRF-00484-00	Excavation and pipe installation for future and house connections including safety measures at KAR-27	June 11, 2018	June 11, 2018	June 12, 2018	June 12, 2018	1	A	
527	CW05-ABC-IRF-00485-00	Steel reinforcement for stair case (part 1) - Reservoir fourth level.	June 11, 2018	June 12, 2018	June 13, 2018	June 12, 2018	0	A	
528	CW05-ABC-IRF-00486-00	Closing formwork prior casting concrete for columns and stair case (part 1) - Reservoir fourth level.	June 11, 2018	June 11, 2018	June 12, 2018	June 12, 2018	1	A	

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529	CW05-ABC-IRF-00487-00	Casting concrete for columns and stair case (part 1) - Reservoir fourth level.	June 11, 2018	June 12, 2018	June 13, 2018	June 13, 2018	1	A	
530	CW05-ABC-IRF-00488-00	Magnesium anodes as per attached MRR #21.	June 12, 2018	June 12, 2018	June 13, 2018	June 13, 2018	1	A	
531	CW05-ABC-IRF-00489-00	Excavation, installation and backfilling for 2" pipelines and house connections along KAR-32 including safety measures.	June 20, 2018	June 20, 2018	June 21, 2018	June 21, 2018	1	A	
532	CW05-ABC-IRF-00490-00	Connection and backfilling for precast gate valve at KAR-32 Sta.0+005	June 20, 2018	June 20, 2018	June 21, 2018	June 21, 2018	1	A	
533	CW05-ABC-IRF-00491-00	Excavation and pipe installation for future connections including safety measures at KAR-30	June 21, 2018	June 21, 2018	June 22, 2018	June 21, 2018	0	A	
534	CW05-ABC-IRF-00492-00	Surface preparation prior start coating for the attached highlighted section of the southern RW (2.10 m of the stem).	June 21, 2018	June 21, 2018	June 22, 2018	June 21, 2018	0	A	
535	CW05-ABC-IRF-00493-00	Excavation and pipe installation for house connections including safety measures at KAR-8	June 21, 2018	June 21, 2018	June 22, 2018	June 24, 2018	3	A	
536	CW05-ABC-IRF-00494-00	Connection and backfilling for precast gate valve at KAR-30 Sta.0+003	June 21, 2018	June 21, 2018	June 22, 2018	June 24, 2018	3	A	
537	CW05-ABC-IRF-00495-00	Precast manholes bituminous external coating.	June 21, 2018	June 23, 2018	June 24, 2018	June 24, 2018	1	A	
538	CW05-ABC-IRF-00496-00	Installation of precast manholes for gate valve at KAR-19 Sta.0+002, KAR-48 Sta. 0+060 and KAR-48 Sta. 0+247	June 21, 2018	June 23, 2018	June 24, 2018	June 24, 2018	1	A	
539	CW05-ABC-IRF-00497-00	First layer of protective coating for the attached highlighted section of the southern RW (1.30 m of the stem).	June 21, 2018	June 23, 2018	June 24, 2018	June 24, 2018	1	A	
540	CW05-ABC-IRF-00498-00	Second layer of protective coating for the attached highlighted section of the southern RW (1.30 m of the stem).	June 21, 2018	June 23, 2018	June 24, 2018	June 24, 2018	1	A	
541	CW05-ABC-IRF-00499-00	Connection and backfilling for precast gate valve at KAR-48 Sta.0+247	June 24, 2018	June 24, 2018	June 25, 2018	June 25, 2018	1	A	
542	CW05-ABC-IRF-00500-00	Connection and backfilling for precast gate valve at KAR-48 Sta.0+060	June 24, 2018	June 24, 2018	June 25, 2018	June 25, 2018	1	A	
543	CW05-ABC-IRF-00501-00	Control valves as per attached MRR #22.	June 24, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
544	CW05-ABC-IRF-00502-00	Connection and backfilling for precast gate valve at KAR-19 Sta.0+002	June 25, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
545	CW05-ABC-IRF-00503-00	Surface preparation prior start coating for the attached highlighted section of the southern RW – part 1 (2.10 m of the stem).	June 25, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
546	CW05-ABC-IRF-00504-00	First layer of protective coating for the attached highlighted section of the southern RW – part 1 (1.30 m of the stem).	June 25, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
547	CW05-ABC-IRF-00505-00	Connection and backfilling for precast gate valves at KAR-13 Sta.0+003	June 25, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
548	CW05-ABC-IRF-00506-00	Connection and backfilling for precast gate valves at KAR-35 Sta.0+110	June 25, 2018	June 25, 2018	June 26, 2018	June 26, 2018	1	A	
549	CW05-ABC-IRF-00507-00	Second layer of protective coating for the attached highlighted section of the southern RW – part 1 (1.30 m of the stem).	June 26, 2018	June 26, 2018	June 27, 2018	June 27, 2018	1	A	
550	CW05-ABC-IRF-00508-00	Connection and backfilling for precast gate valves at KAR-35 Sta.0+006	June 26, 2018	June 26, 2018	June 27, 2018	June 27, 2018	1	A	
551	CW05-ABC-IRF-00509-00	Connection and backfilling for precast gate valves at KAR-31 Sta.0+104	June 26, 2018	June 26, 2018	June 27, 2018	June 27, 2018	1	A	
552	CW05-ABC-IRF-00510-00	Connection and backfilling for precast gate valve at KAR-8 Sta.0+120	June 27, 2018	June 27, 2018	June 28, 2018	June 28, 2018	1	A	
553	CW05-ABC-IRF-00511-00	Steel and Stainless Steel thimbles for Karma reservoir as per attached MRR #23	June 27, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	
554	CW05-ABC-IRF-00512-00	Connection and backfilling for precast gate valve at KAR-29 Sta.0+005	June 27, 2018	June 27, 2018	June 28, 2018	June 28, 2018	1	A	
555	CW05-ABC-IRF-00513-00	Excavation, installation and backfilling for 2" pipelines along KAR-26 including safety measures.	June 28, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	
556	CW05-ABC-IRF-00514-00	Surface preparation prior start coating for the attached highlighted section of the southern RW with total length 3.00 m (2.10 m of the stem).	June 28, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	

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557	CW05-ABC-IRF-00515-00	Excavation and pipe installation for house connections including safety measures at KAR-26	June 28, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	
558	CW05-ABC-IRF-00516-00	First layer of protective coating for the attached highlighted section of the southern RW with total length 3.00 m (2.10 m of the stem).	June 28, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	
559	CW05-ABC-IRF-00517-00	Environmental Checklist Closeout for the Month of May 2018.	June 28, 2018	June 28, 2018	June 29, 2018	June 28, 2018	0	A	
560	CW05-ABC-IRF-00518-00	Excavation and pipe installation for house connections including safety measures at KAR-26	June 28, 2018	June 30, 2018	July 1, 2018	July 1, 2018	1	A	
561	CW05-ABC-IRF-00519-00	Second layer of protective coating for the attached highlighted section of the southern RW with total length 3.00 m (2.10 m of the stem).	July 1, 2018	July 1, 2018	July 2, 2018	July 1, 2018	0	A	
562	CW05-ABC-IRF-00520-00	Connection and backfilling for precast gate valve at KAR-17 Sta.0+006	July 1, 2018	July 1, 2018	July 2, 2018	July 2, 2018	1	A	
563	CW05-ABC-IRF-00521-00	Connection and backfilling for precast gate valve at KAR-15 Sta.0+006	July 1, 2018	July 1, 2018	July 2, 2018	July 2, 2018	1	A	
564	CW05-ABC-IRF-00522-00	Excavation and pipe installation for house connections including safety measures at KAR-3	July 1, 2018	July 1, 2018	July 2, 2018	July 2, 2018	1	A	
565	CW05-ABC-IRF-00523-00	Precast Chambers (120 x 120 x 200 CM) as per attached MRR #024.	July 2, 2018	July 2, 2018	July 3, 2018	July 2, 2018	0	A	
566	CW05-ABC-IRF-00524-00	Stainless Steel Pipes, Fittings and Flanges as per attached MRR #25.	July 2, 2018	July 3, 2018	July 4, 2018	July 3, 2018	0	A	
567	CW05-ABC-IRF-00525-00	Bituminous external coating for 3" and 4" Precast Gate Valve Chambers and 2" Precast Washout Chamber.	July 4, 2018	July 4, 2018	July 5, 2018	July 5, 2018	1	A	
568	CW05-ABC-IRF-00526-00	Formwork for the reservoir bottom slab prior start steel reinforcement works.	July 4, 2018	July 4, 2018	July 5, 2018	July 4, 2018	0	C	
569	CW05-ABC-IRF-00526-01	Formwork for the reservoir bottom slab prior start steel reinforcement works.	July 5, 2018	July 5, 2018	July 6, 2018	July 5, 2018	0	C	
570	CW05-ABC-IRF-00526-02	Formwork for the reservoir bottom slab prior start steel reinforcement works.	July 23, 2018	July 23, 2018	July 24, 2018	July 23, 2018	0	A	
571	CW05-ABC-IRF-00527-00	Swing check valves as per attached MRR #26.	July 4, 2018	July 5, 2018	July 6, 2018	July 5, 2018	0	A	
572	CW05-ABC-IRF-00528-00	Combination air release valve as per attached MRR #27.	July 4, 2018	July 5, 2018	July 6, 2018	July 5, 2018	0	A	
573	CW05-ABC-IRF-00529-00	Surface preparation prior start coating for the attached highlighted section of the southern RW - Part 1 with total length 3.00 m (2.10 m of the stem).	July 5, 2018	July 7, 2018	July 8, 2018	July 8, 2018	1	A	
574	CW05-ABC-IRF-00530-00	First layer of protective coating for the attached highlighted section of the southern RW - Part 1 with total length 3.00 m (1.30 m of the stem).	July 5, 2018	July 7, 2018	July 8, 2018	July 8, 2018	1	A	
575	CW05-ABC-IRF-00531-00	Second layer of protective coating for the attached highlighted section of the southern RW - Part 1 with total length 3.00 m (1.30 m of the stem).	July 5, 2018	July 7, 2018	July 8, 2018	July 8, 2018	1	A	
576	CW05-ABC-IRF-00532-00	Installation of precast manholes for 3" gate valve at KAR-4 Sta.0+007, and 4" gate valve at KAR-3 Sta.0+392 and washout at Sta.0+396	July 5, 2018	July 7, 2018	July 8, 2018	July 8, 2018	1	C	
577	CW05-ABC-IRF-00532-01	Installation of precast manholes for 3" gate valve at KAR-4 Sta.0+007, and 4" gate valve at KAR-3 Sta.0+392 and washout at Sta.0+396	July 8, 2018	July 8, 2018	July 9, 2018	July 9, 2018	1	A	
578	CW05-ABC-IRF-00533-00	Marking asphalt limits for trench reinstatement prior start asphalt cutting at KAR-3 from Sta.0+070 to Sta.0+320.	July 9, 2018	July 9, 2018	July 10, 2018	July 10, 2018	1	A	
579	CW05-ABC-IRF-00534-00	Connection and backfilling for 3" gate valve at KAR-4 Sta.0+007 and 4" gate valve at KAR-3 Sta.0+392	July 9, 2018	July 9, 2018	July 10, 2018	July 10, 2018	1	A	
580	CW05-ABC-IRF-00535-00	Thimbles' locations at the reservoir bottom slab.	July 10, 2018	July 10, 2018	July 11, 2018	July 11, 2018	1	A	
581	CW05-ABC-IRF-00536-00	Marking asphalt limits for trench reinstatement prior start asphalt cutting at KAR-4 from Sta.0+135 to Sta.0+140, from Sta.0+180 to Sta.0+220, from Sta.0+310 to Sta.0+325, from Sta.0+370 to Sta.0+390, from Sta.0+430 to Sta.0+560 and from Sta.0+570 to Sta.0+609.	July 11, 2018	July 11, 2018	July 12, 2018	July 12, 2018	1	A	
582	CW05-ABC-IRF-00537-00	Base Course layer for trench reinstatement prior start the first layer of asphalt work at KAR-3 from Sta.0+070 to Sta.0+320	July 12, 2018	July 12, 2018	July 13, 2018	July 12, 2018	0	A	
583	CW05-ABC-IRF-00538-00	Excavation, installation and backfilling for 3" and 4" pipelines along KAR-3 including safety measures.	July 12, 2018	July 12, 2018	July 13, 2018	July 12, 2018	0	A	

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584	CW05-ABC-IRF-00539-00	Location for 2" air vent at KAR-3 Sta.0+037.	July 12, 2018	July 12, 2018	July 13, 2018	July 12, 2018	0	A	
585	CW05-ABC-IRF-00540-00	Excavation, installation and backfilling for 4" pipelines along KAR-1 including safety measures.	July 12, 2018	July 12, 2018	July 13, 2018	July 12, 2018	0	A	
586	CW05-ABC-IRF-00541-00	Spraying MC prime coat and spreading asphalt at KAR-3 from Sta.0+070 to Sta.0+380 including safety measures.	July 12, 2018	July 14, 2018	July 15, 2018	July 15, 2018	1	A	
587	CW05-ABC-IRF-00542-00	Steel reinforcement for the reservoir bottom slab.	July 12, 2018	July 14, 2018	July 15, 2018	July 15, 2018	1	A	
588	CW05-ABC-IRF-00543-00	Excavation, installation and backfilling for 6" pipelines along KAR-3 including safety measures.	July 12, 2018	July 14, 2018	July 15, 2018	July 15, 2018	1	A	
589	CW05-ABC-IRF-00544-00	Connection and backfilling for precast gate valve at KAR-10 Sta.0+018	July 12, 2018	July 14, 2018	July 15, 2018	July 15, 2018	1	C	
590	CW05-ABC-IRF-00544-01	Connection and backfilling for precast gate valve at KAR-10 Sta.0+018	July 15, 2018	July 15, 2018	July 16, 2018	July 16, 2018	1	A	
591	CW05-ABC-IRF-00545-00	Excavation and pipe installation for house connections including safety measures at KAR-10	July 12, 2018	July 14, 2018	July 15, 2018	July 15, 2018	1	C	
592	CW05-ABC-IRF-00545-01	Excavation and pipe installation for house connections including safety measures at KAR-10	July 15, 2018	July 15, 2018	July 16, 2018	July 16, 2018	1	A	
593	CW05-ABC-IRF-00546-00	Installation of precast manholes for 3" gate valve at KAR-4 Sta.0+603 and 4" gate valve at KAR-3 Sta.0+066	July 15, 2018	July 15, 2018	July 16, 2018	July 16, 2018	1	A	
594	CW05-ABC-IRF-00547-00	Steel flanges as per attached MRR #28.	July 15, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
595	CW05-ABC-IRF-00548-00	Dismantling joint as per attached MRR #29.	July 15, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
596	CW05-ABC-IRF-00549-00	Flange gaskets as per attached MRR #30.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
597	CW05-ABC-IRF-00550-00	Base Course layer for trench reinstatement prior start the first layer of asphalt work at KAR-4 from Sta.0+135 to Sta.0+140, from Sta.0+180 to Sta.0+220, from Sta.0+310 to Sta.0+325, from Sta.0+370 to Sta.0+390, from Sta.0+430 to Sta.0+560 and from Sta.0+570 to Sta.0+609.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
598	CW05-ABC-IRF-00551-00	Formwork and steel reinforcement for stair case (part 2) of reservoir fourth level.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
599	CW05-ABC-IRF-00552-00	Final formwork prior casting concrete for the reservoir bottom slab.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
600	CW05-ABC-IRF-00553-00	Casting concrete for the reservoir bottom slab.	July 16, 2018	July 17, 2018	July 18, 2018	July 18, 2018	1	A	
601	CW05-ABC-IRF-00554-00	Spraying MC prime coat and spreading asphalt at KAR-4 from Sta.0+135 to Sta.0+140, from Sta.0+180 to Sta.0+220, from Sta.0+310 to Sta.0+325, from Sta.0+370 to Sta.0+390, from Sta.0+430 to Sta.0+560 and from Sta.0+570 to Sta.0+609 including safety measures.	July 16, 2018	July 17, 2018	July 18, 2018	July 18, 2018	1	A	
602	CW05-ABC-IRF-00555-00	Excavation, installation and backfilling for 2" pipelines along KAR-6 including safety measures.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
603	CW05-ABC-IRF-00556-00	Water stop installation for the reservoir bottom slab.	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
604	CW05-ABC-IRF-00557-00	Connection and backfilling for precast gate valve at KAR-5 Sta.0+003	July 16, 2018	July 16, 2018	July 17, 2018	July 17, 2018	1	A	
605	CW05-ABC-IRF-00558-00	Pen seal as per attached MRR #31.	July 17, 2018	July 17, 2018	July 18, 2018	July 18, 2018	1	A	
606	CW05-ABC-IRF-00559-00	Excavation and pipe installation for house connections including safety measures at KAR-6	July 17, 2018	July 17, 2018	July 18, 2018	July 18, 2018	1	A	
607	CW05-ABC-IRF-00560-00	Excavation and pipe installation for house connections including safety measures at KAR-5	July 17, 2018	July 17, 2018	July 18, 2018	July 18, 2018	1	A	
608	CW05-ABC-IRF-00561-00	Precast Chambers (150 x 150 x 200 CM) as per attached MRR #032.	July 18, 2018	July 18, 2018	July 19, 2018	July 18, 2018	0	A	
609	CW05-ABC-IRF-00562-00	Precast Chambers (120 x 120 x 200 CM) as per attached MRR #033.	July 19, 2018	July 19, 2018	July 20, 2018	July 22, 2018	3	A	

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610	CW05-ABC-IRF-00563-00	Connection and backfilling for precast gate valve at KAR-20 Sta.0+010	July 19, 2018	July 19, 2018	July 20, 2018	July 22, 2018	3	A	
611	CW05-ABC-IRF-00564-00	Excavation and pipe installation for house connections including safety measures at KAR-20	July 19, 2018	July 19, 2018	July 20, 2018	July 22, 2018	3	A	
612	CW05-ABC-IRF-00565-00	Excavation and pipe installation for house connections including safety measures at KAR-15	July 19, 2018	July 21, 2018	July 22, 2018	July 22, 2018	1	C	
613	CW05-ABC-IRF-00565-01	Excavation and pipe installation for house connections including safety measures at KAR-15	August 30, 2018	August 30, 2018	August 31, 2018	August 30, 2018	0	A	
614	CW05-ABC-IRF-00566-00	Excavation and pipe installation for house connections including safety measures at KAR-5	July 19, 2018	July 21, 2018	July 22, 2018	July 22, 2018	1	C	
615	CW05-ABC-IRF-00566-01	Excavation and pipe installation for house connections including safety measures at KAR-5	July 22, 2018	July 22, 2018	July 23, 2018	July 23, 2018	1	A	
616	CW05-ABC-IRF-00567-00	Excavation and pipe installation for house connections including safety measures at KAR-6	July 22, 2018	July 22, 2018	July 23, 2018	July 23, 2018	1	A	
617	CW05-ABC-IRF-00568-00	Bituminous external coating for 2" and 3" precast air vent and washout chambers.	July 23, 2018	July 24, 2018	July 25, 2018	July 24, 2018	0	A	
618	CW05-ABC-IRF-00569-00	Installation of precast manhole for air vent at KAR-5 Sta.0+197	July 24, 2018	July 24, 2018	July 25, 2018	July 24, 2018	0	A	
619	CW05-ABC-IRF-00570-00	Installation of precast manhole for air vent at KAR-8 Sta.0+006	July 24, 2018	July 24, 2018	July 25, 2018	July 24, 2018	0	A	
620	CW05-ABC-IRF-00571-00	Installation of precast manhole for air vent at KAR-6 Sta.0+125	July 24, 2018	July 24, 2018	July 25, 2018	July 24, 2018	0	A	
621	CW05-ABC-IRF-00572-00	Installation of precast manhole for air vent at KAR-4 Sta.0+218	July 24, 2018	July 24, 2018	July 25, 2018	July 24, 2018	0	A	
622	CW05-ABC-IRF-00573-00	Bituminous external coating for 2" and 3" precast air vent chambers.	July 25, 2018	July 25, 2018	July 26, 2018	July 26, 2018	1	A	
623	CW05-ABC-IRF-00574-00	Connection and backfilling for precast air vent at KAR-5 Sta.0+197	July 25, 2018	July 25, 2018	July 26, 2018	July 26, 2018	1	A	
624	CW05-ABC-IRF-00575-00	Excavation and pipe installation for house connections including safety measures at KAR-5	July 25, 2018	July 25, 2018	July 26, 2018	July 26, 2018	1	A	
625	CW05-ABC-IRF-00576-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for 2" gate valves at KAR-9 Sta.0+334, KAR-10 Sta.0+188 and KAR-11 Sta.0+005, as per attached drawing. (Up to 40 cm)	July 25, 2018	July 25, 2018	July 26, 2018	July 25, 2018	0	C	
626	CW05-ABC-IRF-00576-01	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for 2" gate valves at KAR-9 Sta.0+334, KAR-10 Sta.0+188 and KAR-11 Sta.0+005, as per attached drawing. (Up to 40 cm)	August 6, 2018	August 6, 2018	August 7, 2018	August 6, 2018	0	A	
627	CW05-ABC-IRF-00577-00	Installation of precast manholes for air vents at KAR-9 Sta.0+403 and KAR-31 Sta.0+005	July 26, 2018	July 26, 2018	July 27, 2018	July 26, 2018	0	A	
628	CW05-ABC-IRF-00578-00	Installation of precast manholes for washouts at KAR-1 Sta.0+005 and KAR-6 Sta.0+480	July 26, 2018	July 26, 2018	July 27, 2018	July 26, 2018	0	A	
629	CW05-ABC-IRF-00579-00	Connection and backfilling for precast air vent at KAR-8 Sta.0+006	July 26, 2018	July 26, 2018	July 27, 2018	July 26, 2018	0	A	
630	CW05-ABC-IRF-00580-00	Connection and backfilling for precast air vent at KAR-31 Sta.0+005	July 26, 2018	July 26, 2018	July 27, 2018	July 26, 2018	0	C	
631	CW05-ABC-IRF-00580-01	Connection and backfilling for precast air vent at KAR-31 Sta.0+005	July 30, 2018	July 30, 2018	July 31, 2018	July 31, 2018	1	A	
632	CW05-ABC-IRF-00581-00	Installation of precast manhole for A.R.V at KAR-4 Sta.0+607	July 26, 2018	July 28, 2018	July 29, 2018	July 29, 2018	1	A	
633	CW05-ABC-IRF-00582-00	Installation of precast manhole for G.V 3" at KAR-4 Sta.0+242	July 26, 2018	July 28, 2018	July 29, 2018	July 29, 2018	1	A	
634	CW05-ABC-IRF-00583-00	Installation of precast manhole for washout at KAR-4 Sta.0+303	July 26, 2018	July 28, 2018	July 29, 2018	July 29, 2018	1	A	
635	CW05-ABC-IRF-00584-00	Marking anode locations from anode #01 to anode #03 prior start excavations.	July 26, 2018	July 28, 2018	July 29, 2018	July 29, 2018	1	A	
636	CW05-ABC-IRF-00585-00	Excavation, installation and backfilling for 6" pipelines along KAR-3 including safety measures.	July 29, 2018	July 29, 2018	July 30, 2018	July 30, 2018	1	A	

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637	CW05-ABC-IRF-00586-00	Excavation, installation and backfilling for house connection pipelines along KAR-3 including safety measures.	July 29, 2018	July 29, 2018	July 30, 2018	July 30, 2018	1	A	
638	CW05-ABC-IRF-00587-00	Anode excavation from anode #01 to anode #03 at KAR-1	July 29, 2018	July 29, 2018	July 30, 2018	July 29, 2018	0	A	
639	CW05-ABC-IRF-00588-00	Connection and backfilling for precast 3" gate valve at KAR-3 Sta.0+066.	July 29, 2018	July 29, 2018	July 30, 2018	July 30, 2018	1	A	
640	CW05-ABC-IRF-00589-00	Connection and backfilling for precast gate valve at KAR-14 Sta.0+280.	July 30, 2018	July 30, 2018	July 31, 2018	July 31, 2018	1	A	
641	CW05-ABC-IRF-00590-00	St. St. Bolts, Nuts and Washers Material as per attached MRR #34.	July 30, 2018	July 30, 2018	July 31, 2018	July 31, 2018	1	A	
642	CW05-ABC-IRF-00591-00	Karma Gate Valves as per attached MRR #35.	July 30, 2018	July 31, 2018	August 1, 2018	July 31, 2018	0	A	
643	CW05-ABC-IRF-00592-00	Karma Strainers as per attached MRR #36.	July 30, 2018	July 31, 2018	August 1, 2018	July 31, 2018	0	A	
644	CW05-ABC-IRF-00593-00	Pipeline Alignment prior starting excavation for KAR-1 and KAR-2 from Sta.0+250 to Sta.0+270	July 31, 2018	July 31, 2018	August 1, 2018	July 31, 2018	0	A	
645	CW05-ABC-IRF-00594-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-30 Sta.0+003, KAR-5 Sta.0+449 and KAR-8 Sta.0+003, and air vent at KAR-8 Sta.0+006 as per attached drawing. (Up to 40 cm)	July 31, 2018	July 31, 2018	August 1, 2018	July 31, 2018	0	A	
646	CW05-ABC-IRF-00595-00	Anode installation from anode #01 to anode #03 at KAR-1	July 31, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
647	CW05-ABC-IRF-00596-00	Formwork, steel reinforcement and casting concrete for concrete encasement at KAR-3 from Sta. 0+013 to Sta. 0+016 (3.00*0.75*0.75 m)	July 31, 2018	July 31, 2018	August 1, 2018	August 1, 2018	1	A	
648	CW05-ABC-IRF-00597-00	Steel reinforcement for reservoir walls prior closing formwork.	July 31, 2018	July 31, 2018	August 1, 2018	August 1, 2018	1	A	
649	CW05-ABC-IRF-00598-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-32 Sta.0+005, KAR-31 Sta.0+003, KAR-4 Sta.0+603 and KAR-5 Sta.0+359, and air vent at KAR-4 Sta.0+218 as per attached drawing. (Up to 40 cm)	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
650	CW05-ABC-IRF-00599-00	Installation of precast manhole for washout at KAR-5 Sta.0+383	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
651	CW05-ABC-IRF-00600-00	Installation of precast manhole for washout at KAR-35 Sta.0+058	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
652	CW05-ABC-IRF-00601-00	Installation of precast manhole for washout at KAR-9 Sta.0+109	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
653	CW05-ABC-IRF-00602-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for washouts at KAR-1 Sta.0+005, KAR-6 Sta.0+480, KAR-5 Sta.0+383 and KAR-9 Sta.0+109 as per attached drawing. (Up to 40 cm)	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
654	CW05-ABC-IRF-00603-00	Pipeline Alignment prior start excavation for 2" pipeline along KAR-19 from Sta.0+006 to Sta.0+050	August 1, 2018	August 1, 2018	August 2, 2018	August 2, 2018	1	A	
655	CW05-ABC-IRF-00604-00	Flange welding for precast gate valve at KAR-31 Sta.0+003	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
656	CW05-ABC-IRF-00605-00	Flange welding for precast gate valve at KAR-32 Sta.0+005	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
657	CW05-ABC-IRF-00606-00	Flange welding for precast gate valve at KAR-5 Sta.0+359	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
658	CW05-ABC-IRF-00607-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-14 Sta.0+007, KAR-9 Sta.0+003 and Sta.0+103, KAR-13 Sta.0+003, KAR-27 Sta.0+010 and KAR-6 Sta.0+476 as per attached drawing. (Up to 40 cm)	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
659	CW05-ABC-IRF-00608-00	Connection and backfilling for air vent at KAR-9 Sta.0+403.	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
660	CW05-ABC-IRF-00609-00	Connection and backfilling for air vent at KAR-4 Sta.0+218.	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	

No.	IR No.	IR Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	Status 1st Inspection	Status 2nd Inspection
661	CW05-ABC-IRF-00610-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-16 Sta.0+050, KAR-48 Sta.0+060 and Sta.0+247, KAR-50 Sta.0+002 as per attached drawing. (Up to 40 cm)	August 2, 2018	August 2, 2018	August 3, 2018	August 2, 2018	0	A	
662	CW05-ABC-IRF-00611-00	Closing formwork prior casting concrete for reservoir walls.	August 2, 2018	August 4, 2018	August 5, 2018	August 5, 2018	1	C	
663	CW05-ABC-IRF-00611-01	Closing formwork prior casting concrete for reservoir walls.	August 5, 2018	August 5, 2018	August 6, 2018	August 6, 2018	1	A	
664	CW05-ABC-IRF-00612-00	Connection and backfilling for washouts at KAR-35 Sta.0+058.	August 2, 2018	August 4, 2018	August 5, 2018	August 5, 2018	1	A	
665	CW05-ABC-IRF-00613-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-5 Sta.0+003 and Sta.0+195, KAR-6 Sta.0+005 and , Sta.0+285, KAR-22 Sta.0+012, KAR-23 Sta.0+012 and Sta.0+285 and KAR-35 Sta.0+006 as per attached drawing. (Up to 40 cm)	August 2, 2018	August 4, 2018	August 5, 2018	August 5, 2018	1	A	
666	CW05-ABC-IRF-00614-00	Steel reinforcement for the reservoir central column.	August 2, 2018	August 4, 2018	August 5, 2018	August 5, 2018	1	A	
667	CW05-ABC-IRF-00615-00	Connection and backfilling for washout at KAR-6 Sta.0+480	August 5, 2018	August 5, 2018	August 6, 2018	August 6, 2018	1	A	
668	CW05-ABC-IRF-00616-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for washouts at KAR-35 Sta.0+058, KAR-6 Sta.0+480 and at KAR-1 Sta.0+005 and gate valves at KAR-35 Sta.0+110, KAR-7 Sta.0+205 and at service connection chamber Sta.0+000 as per attached drawing. (Up to 40 cm)	August 5, 2018	August 5, 2018	August 6, 2018	August 6, 2018	1	A	
669	CW05-ABC-IRF-00617-00	Connection and backfilling for washout at KAR-5 Sta.0+383	August 5, 2018	August 5, 2018	August 6, 2018	August 6, 2018	1	A	
670	CW05-ABC-IRF-00618-00	Connection and backfilling for 3" gate valve at KAR-4 Sta.0+603	August 6, 2018	August 6, 2018	August 7, 2018	August 7, 2018	1	A	
671	CW05-ABC-IRF-00619-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-7 Sta.0+005, KAR-21 Sta.0+010, KAR-17 Sta.0+006, KAR-4 Sta.0+242 and KAR-48 Sta.0+060. (Up to 40 cm)	August 6, 2018	August 6, 2018	August 7, 2018	August 7, 2018	1	A	
672	CW05-ABC-IRF-00620-00	Closing formwork for the reservoir central column.	August 6, 2018	August 6, 2018	August 7, 2018	August 7, 2018	1	A	
673	CW05-ABC-IRF-00621-00	Casting concrete for reservoir walls and central column.	August 6, 2018	August 6, 2018	August 7, 2018	August 7, 2018	1	A	
674	CW05-ABC-IRF-00622-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-28 Sta.0+005, KAR-10 Sta.0+018, KAR-14 Sta.0+280, KAR-15 Sta.0+006, KAR-20 Sta.0+010 and KAR-3 Sta.0+066. (Up to 40 cm)	August 7, 2018	August 7, 2018	August 8, 2018	August 8, 2018	1	A	
675	CW05-ABC-IRF-00623-00	Connection and backfilling for washout at KAR-1 Sta.0+005	August 7, 2018	August 7, 2018	August 8, 2018	August 8, 2018	1	A	
676	CW05-ABC-IRF-00624-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-31 Sta.0+104, KAR-3 Sta.0+392, KAR-4 Sta.0+007, KAR-18 Sta.0+002 and washout at KAR-3 Sta.0+396. (Up to 40 cm)	August 8, 2018	August 8, 2018	August 9, 2018	August 9, 2018	1	A	
677	CW05-ABC-IRF-00625-00	Connection and backfilling for gate valve at KAR-4 Sta.0+242	August 8, 2018	August 8, 2018	August 9, 2018	August 9, 2018	1	A	
678	CW05-ABC-IRF-00626-00	Formwork and steel reinforcement for neck extension of precast manholes prior casting concrete for gate valves at KAR-29 Sta.0+005, KAR-8 Sta.0+120, KAR-6 Sta.0+440, and washout at KAR-4 Sta.0+303 and air vent at KAR-4 Sta.0+607. (Up to 40 cm)	August 9, 2018	August 9, 2018	August 10, 2018	August 9, 2018	0	A	
679	CW05-ABC-IRF-00627-00	Reservoir Vent as per attached MRR #37.	August 9, 2018	August 9, 2018	August 10, 2018	August 9, 2018	0	A	
680	CW05-ABC-IRF-00628-00	Sample for precast manholes internal repair for gate valves at KAR-10 Sta.0+018 and at KAR-3 Sta.0+066	August 9, 2018	August 9, 2018	August 10, 2018	August 9, 2018	0	C	
681	CW05-ABC-IRF-00628-01	Sample for precast manholes internal repair for gate valves at KAR-10 Sta.0+018 and at KAR-3 Sta.0+066	August 12, 2018	August 12, 2018	August 13, 2018	August 13, 2018	1	C	
682	CW05-ABC-IRF-00629-00	Steel handrail sample for Karma elevated reservoir before hot-dip galvanizing.	August 9, 2018	August 9, 2018	August 10, 2018	August 9, 2018	0	A	

No.	IR No.	IR Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	Status 1st Inspection	Status 2nd Inspection
683	CW05-ABC-IRF-00630-00	Flange welding for precast gate valves as per attachment.	August 9, 2018	August 11, 2018	August 12, 2018	August 12, 2018	1	C	
684	CW05-ABC-IRF-00630-01	Flange welding for precast gate valves as per attachment.	August 13, 2018	August 13, 2018	August 14, 2018	August 14, 2018	1	A	
685	CW05-ABC-IRF-00631-00	Connection and backfilling for washout at KAR-9 Sta.0+109	August 9, 2018	August 11, 2018	August 12, 2018	August 12, 2018	1	A	
686	CW05-ABC-IRF-00632-00	Precast manholes internal repair for gate valve at KAR-14 Sta.0+280	August 12, 2018	August 12, 2018	August 13, 2018	August 13, 2018	1	C	
687	CW05-ABC-IRF-00633-00	Connection and backfilling for washout at KAR-4 Sta.0+303	August 12, 2018	August 12, 2018	August 13, 2018	August 13, 2018	1	A	
688	CW05-ABC-IRF-00634-00	Connection and backfilling for washout at KAR-3 Sta.0+396	August 12, 2018	August 12, 2018	August 13, 2018	August 13, 2018	1	A	
689	CW05-ABC-IRF-00635-00	Precast manholes internal repair for gate valve at KAR-15 Sta.0+006	August 13, 2018	August 13, 2018	August 14, 2018	August 14, 2018	1	A	
690	CW05-ABC-IRF-00636-00	Locations of house connections along KAR-19.	August 13, 2018	August 13, 2018	August 14, 2018	August 14, 2018	1	A	
691	CW05-ABC-IRF-00637-00	Flange Insulating Kit as per attached MRR #38.	August 13, 2018	August 13, 2018	August 14, 2018	August 14, 2018	1	A	
692	CW05-ABC-IRF-00638-00	Formwork for the reservoir top slab and staircase prior start steel reinforcement.	August 13, 2018	August 14, 2018	August 15, 2018	August 15, 2018	1	A	
693	CW05-ABC-IRF-00639-00	Precast manholes internal repair for gate valve at KAR-5 Sta.0+003 and KAR-6 Sta.0+005.	August 14, 2018	August 14, 2018	August 15, 2018	August 15, 2018	1	A	
694	CW05-ABC-IRF-00640-00	Connection and backfilling for service connection chamber at Sta.0+000	August 16, 2018	August 16, 2018	August 17, 2018	August 16, 2018	0	A	
695	CW05-ABC-IRF-00641-00	Thimbles for level indicator as per attached MRR #39	August 16, 2018	August 16, 2018	August 17, 2018	August 16, 2018	0	A	
696	CW05-ABC-IRF-00642-00	Steel reinforcement and final formwork for the reservoir top slab and staircase prior casting concrete.	August 16, 2018	August 16, 2018	August 17, 2018	August 18, 2018	2	A	
697	CW05-ABC-IRF-00643-00	Locations of level indicator thimble and vent sleeves for the reservoir top slab.	August 16, 2018	August 16, 2018	August 17, 2018	August 18, 2018	2	A	
698	CW05-ABC-IRF-00644-00	Installation of electrical conduits at the reservoir top slab.	August 16, 2018	August 16, 2018	August 17, 2018	August 18, 2018	2	A	
699	CW05-ABC-IRF-00645-00	Connection and backfilling for air vent at KAR-6 Sta.0+125.	August 16, 2018	August 18, 2018	August 19, 2018	August 19, 2018	1	A	
700	CW05-ABC-IRF-00646-00	Casting concrete for the reservoir top slab and staircase.	August 16, 2018	August 18, 2018	August 19, 2018	August 19, 2018	1	A	
701	CW05-ABC-IRF-00647-00	Excavation and pipe installation for house and future connections including safety measures at KAR-6	August 16, 2018	August 18, 2018	August 19, 2018	August 19, 2018	1	A	
702	CW05-ABC-IRF-00648-00	Installation of test station at KAR-1 Sta.0+250.	August 19, 2018	August 19, 2018	August 20, 2018	August 19, 2018	0	A	
703	CW05-ABC-IRF-00649-00	Precast manholes internal repair for gate valves at KAR-6 Sta.0+285 and KAR-35 Sta.0+006	August 26, 2018	August 26, 2018	August 27, 2018	August 26, 2018	0	A	
704	CW05-ABC-IRF-00650-00	Location and start digging for gate valve at KAR-2 Sta. 0+010.	August 26, 2018	August 26, 2018	August 27, 2018	August 27, 2018	1	A	
705	CW05-ABC-IRF-00651-00	Connection and backfilling for air vent at KAR-4 Sta.0+607.	August 26, 2018	August 26, 2018	August 27, 2018	August 26, 2018	0	A	
706	CW05-ABC-IRF-00652-00	Rotary vent for the reservoir vault as per attached MRR #40.	August 26, 2018	August 26, 2018	August 27, 2018	August 27, 2018	1	A	
707	CW05-ABC-IRF-00653-00	Environmental Checklist Closeout for the Month of July 2018.	August 26, 2018	August 26, 2018	August 27, 2018	August 27, 2018	1	A	
708	CW05-ABC-IRF-00654-00	Formwork, steel reinforcement and casting concrete for urban washouts at KAR-1, KAR-4 and KAR-9.	August 27, 2018	August 27, 2018	August 28, 2018	August 28, 2018	1	A	
709	CW05-ABC-IRF-00655-00	Precast manholes internal repair for gate valves at KAR-5 Sta.0+195, KAR-28 Sta.0+005, KAR-31 Sta.0+104, KAR-29 Sta.0+005 and KAR-6 Sta.0+440	August 28, 2018	August 28, 2018	August 29, 2018	August 29, 2018	1	A	
710	CW05-ABC-IRF-00656-00	Formwork, steel reinforcement and casting concrete for urban washouts at KAR-3, KAR-5 and KAR-6.	August 28, 2018	August 28, 2018	August 29, 2018	August 29, 2018	1	A	

No.	IR No.	IR Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	Status 1st Inspection	Status 2nd Inspection
711	CW05-ABC-IRF-00657-00	Formwork, steel reinforcement and casting concrete for urban washouts at KAR-35.	August 29, 2018	August 29, 2018	August 30, 2018	August 30, 2018	1	A	
712	CW05-ABC-IRF-00658-00	Excavation, installation and backfilling for 2" pipelines and house connections along KAR-19 including safety measures.	August 29, 2018	August 29, 2018	August 30, 2018	August 30, 2018	1	A	
713	CW05-ABC-IRF-00659-00	Steel hangers for Karma elevated reservoir (before galvanization) as per attached MRR #41.	August 29, 2018	August 29, 2018	August 30, 2018	August 30, 2018	1	C	
714	CW05-ABC-IRF-00660-00	Precast manholes internal repair for gate valves at KAR-32 Sta.0+005, KAR-31 Sta.0+003 and washout at KAR-5 Sta.0+383	August 30, 2018	August 30, 2018	August 31, 2018	August 30, 2018	0	A	
715	CW05-ABC-IRF-00661-00	Excavation, installation and backfilling for future connections along KAR-2 including safety measures.	August 30, 2018	August 30, 2018	August 31, 2018	August 30, 2018	0	A	
716	CW05-ABC-IRF-00662-00	Installation of precast manhole for gate valve at KAR-2 Sta.0+010.	August 30, 2018	September 1, 2018	September 2, 2018	P	P	P	
717	CW05-ABC-IRF-00663-00	Precast manholes internal repair for gate valves at KAR-6 Sta.0+476 and KAR-50 Sta.0+002	August 30, 2018	September 1, 2018	September 2, 2018	P	P	P	



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ANNEXE G

Submittals Log

	Pending - Under CMC Review
	Code B - To Be Closed
	Code C/D - Resubmit

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
Section 01015							
1	CW05-ABC-01015-PCD-00001-00	Karma Water Project- Permits	November 1, 2017	December 1, 2017	November 9, 2017	8	C
2	CW05-ABC-01015-PCD-00001-01	Karma Water Project- Permits	November 12, 2017	December 12, 2017	November 22, 2017	10	A
3	CW05-ABC-01015-PCD-00002-00	General Construction Method Statement	November 1, 2017	December 1, 2017	November 27, 2017	26	C
4	CW05-ABC-01015-PCD-00002-01	General Construction Method Statement	November 29, 2017	December 29, 2017	December 17, 2017	18	A
5	CW05-ABC-01015-PCD-00003-00	Storage Yard	November 1, 2017	December 1, 2017	November 6, 2017	5	B
6	CW05-ABC-01015-PCD-00003-01	Storage Yard	November 19, 2017	December 19, 2017	November 22, 2017	3	A
7	CW05-ABC-01015-PCD-00004-00	Safety Plan	November 1, 2017	December 1, 2017	November 14, 2017	13	B
8	CW05-ABC-01015-PCD-00004-01	Safety Plan	November 20, 2017	December 20, 2017	November 21, 2017	1	A
9	CW05-ABC-01015-PCD-00005-00	Excavation & Trenching Safety Plan	November 7, 2017	December 7, 2017	November 20, 2017	13	C
10	CW05-ABC-01015-PCD-00005-01	Excavation & Trenching Safety Plan	November 27, 2017	December 27, 2017	November 28, 2017	1	A
11	CW05-ABC-01015-PCD-00006-00	Construction Risk Management Program.	November 12, 2017	December 12, 2017	November 27, 2017	15	A
12	CW05-ABC-01015-PCD-00007-00	Environmental Monitoring & Mitigation Plan.	November 12, 2017	December 12, 2017	November 14, 2017	2	A
13	CW05-ABC-01015-PCD-00008-00	Traffic Control Plan	November 12, 2017	December 12, 2017	November 16, 2017	4	D
14	CW05-ABC-01015-PCD-00008-01	Traffic Control Plan	November 20, 2017	December 20, 2017	November 21, 2017	1	A
15	CW05-ABC-01015-PCD-00009-00	Dumping Site	November 16, 2017	December 16, 2017	December 6, 2017	20	C
16	CW05-ABC-01015-PCD-00009-01	Dumping Site	December 10, 2017	January 9, 2018	December 14, 2017	4	A
17	CW05-ABC-01015-PCD-00010-00	Key Personnel - Record Copy	November 21, 2017	December 21, 2017	November 22, 2017	1	E
18	CW05-ABC-01015-DAB-00011-00	As Built Drawing (Red Marks) Karma Pipelines 50 mm (Part 1).	April 15, 2018	May 15, 2018	April 24, 2018	9	D

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
19	CW05-ABC-01015-DAB-00012-00	As Built Drawing (Red Marks) Karma Pipelines 50 mm (Part 2).	April 15, 2018	May 15, 2018	April 24, 2018	9	D
Section 01025							
1	CW05-ABC-01025-PCD-00001-00	Copy of Guarantee Certificate	November 1, 2017	December 1, 2017	November 6, 2017	5	E
2	CW05-ABC-01025-PCD-00002-00	Copy of Insurance Certificate	November 7, 2017	December 7, 2017	November 9, 2017	2	E
Section 01300							
1	CW05-ABC-01300-PCD-00001-00	Submittals Schedule	November 1, 2017	December 1, 2017	November 21, 2017	20	C
2	CW05-ABC-01300-PCD-00001-01	Submittals Schedule	December 12, 2017	January 11, 2018	December 17, 2017	5	A
3	CW05-ABC-01300-SHP-00002-00	Frame Template.	November 7, 2017	December 7, 2017	November 19, 2017	12	B
4	CW05-ABC-01300-SHP-00002-01	Frame Template.	November 29, 2017	December 29, 2017	December 13, 2017	14	B
5	CW05-ABC-01300-SHP-00002-02	Frame Template.	December 17, 2017	January 16, 2018	December 24, 2017	7	B
6	CW05-ABC-01300-SHP-00002-03	Frame Template.	January 21, 2018	February 20, 2018	January 22, 2018	1	A
7	CW05-ABC-01300-SHP-00003-00	Retaining Wall around Karma Reservoir.	November 16, 2017	December 16, 2017	November 28, 2017	R	R
8	CW05-ABC-01300-SHP-00004-00	Shop Drawing Karma Pipelines.	November 26, 2017	December 26, 2017	December 5, 2017	9	D
9	CW05-ABC-01300-SHP-00004-01	Shop Drawing Karma Pipelines.	February 27, 2018	March 29, 2018	March 4, 2018	5	A
10	CW05-ABC-01300-MTD-00005-00	Repair Method Statement for Steel Pipes Cement Lining.	November 29, 2017	December 29, 2017	December 14, 2017	15	A
11	CW05-ABC-01300-SHP-00006-00	Karma Network Shop Drawing (Part 1)	December 3, 2017	January 2, 2018	December 13, 2017	10	B
12	CW05-ABC-01300-SHP-00006-01	Karma Network Shop Drawing (Part 1)	December 17, 2017	January 16, 2018	December 24, 2017	7	B
13	CW05-ABC-01300-SHP-00006-02	Karma Network Shop Drawing (Part 1)	December 28, 2017	January 27, 2018	January 3, 2018	6	A
14	CW05-ABC-01300-PCD-00007-00	Equipments' / Operators' licenses and insurances.	December 11, 2017	January 10, 2018	December 17, 2017	6	B
15	CW05-ABC-01300-PCD-00007-01	Equipments' / Operators' licenses and insurances.	December 18, 2017	January 17, 2018	December 21, 2017	3	A
16	CW05-ABC-01300-SHP-00008-00	Karma Reservoir Structural Shop Drawings.	December 13, 2017	January 12, 2018	January 2, 2018	20	B
17	CW05-ABC-01300-SHP-00008-01	Karma Reservoir Structural Shop Drawings.	January 15, 2018	February 14, 2018	January 31, 2018	16	A
18	CW05-ABC-01300-SHP-00008-02	Karma Reservoir Structural Shop Drawings (For Construction Copy)	February 6, 2018	March 8, 2018	February 8, 2018	2	E

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
19	CW05-ABC-01300-SHP-00009-00	Structural Shop Drawing for Southern Retaining Wall around Karma Reservoir.	December 20, 2017	January 19, 2018	December 28, 2017	8	B
20	CW05-ABC-01300-SHP-00009-01	Structural Shop Drawing for Southern Retaining Wall around Karma Reservoir.	January 4, 2018	February 3, 2018	January 17, 2018	13	B
21	CW05-ABC-01300-SHP-00009-02	Structural Shop Drawing for Southern Retaining Wall around Karma Reservoir (For Construction Copy)	February 11, 2018	March 13, 2018	February 12, 2018	1	A
22	CW05-ABC-01300-SHP-00010-00	Structural Shop Drawing for Retaining Wall around Karma Reservoir.	December 24, 2017	January 23, 2018	January 17, 2018	24	C
23	CW05-ABC-01300-SHP-00010-01	Structural Shop Drawing for Retaining Wall around Karma Reservoir.	February 26, 2018	March 28, 2018	March 4, 2018	6	A
24	CW05-ABC-01300-SHP-00011-00	Karma Network Shop Drawing (Part 2)	January 8, 2018	February 7, 2018	January 11, 2018	3	B
25	CW05-ABC-01300-SHP-00011-01	Karma Network Shop Drawing (Part 2)	January 16, 2018	February 15, 2018	January 18, 2018	2	A
26	CW05-ABC-01300-SHP-00012-00	Yard Piping & Reservoir Thimbles Shop Drawing for Karma Reservoir.	January 9, 2018	February 8, 2018	February 4, 2018	26	C
27	CW05-ABC-01300-SHP-00012-01	Yard Piping & Reservoir Thimbles Shop Drawing for Karma Reservoir.	February 18, 2018	March 20, 2018	March 8, 2018	18	B
28	CW05-ABC-01300-SHP-00012-02	Yard Piping & Reservoir Thimbles Shop Drawing for Karma Reservoir.	March 11, 2018	April 10, 2018	March 15, 2018	4	A
29	CW05-ABC-01300-SHP-00012-03	Yard Piping & Reservoir Thimbles Shop Drawing for Karma Reservoir (For Construction Copy)	March 29, 2018	April 28, 2018	April 11, 2018	13	A
30	CW05-ABC-01300-SHP-00013-00	Structural Shop Drawing for Western Retaining Wall Around Karma Reservoir.	January 10, 2018	February 9, 2018	January 16, 2018	6	B
31	CW05-ABC-01300-SHP-00013-01	Structural Shop Drawing for Western Retaining Wall around Karma Reservoir (For Construction Copy)	February 18, 2018	March 20, 2018	February 25, 2018	7	A
32	CW05-ABC-01300-MAT-00014-00	Sample of PVC Sheets 0.5mm.	January 10, 2018	February 9, 2018	R	R	R
33	CW05-ABC-01300-MAT-00014-01	Sample of PVC Sheets	January 11, 2018	February 10, 2018	January 21, 2018	10	A
34	CW05-ABC-01300-SHP-00015-00	Mechanical Shop Drawings for DN50 Washout on 50mm, 80mm, and 100mm Pipes.	January 11, 2018	February 10, 2018	February 6, 2018	26	C
35	CW05-ABC-01300-SHP-00015-01	Mechanical Shop Drawings for DN50 Washout on 50mm, 80mm, and 100mm Pipes.	February 11, 2018	March 13, 2018	February 27, 2018	16	B
36	CW05-ABC-01300-SHP-00015-02	Mechanical Shop Drawings for DN50 Washout on 50mm, 80mm, and 100mm Pipes.	March 26, 2018	April 25, 2018	April 15, 2018	20	B
37	CW05-ABC-01300-SHP-00015-03	Mechanical Shop Drawings for DN50 Washout on 50mm, 80mm, and 100mm Pipes.	April 19, 2018	May 19, 2018	April 24, 2018	5	A
38	CW05-ABC-01300-SHP-00015-04	Mechanical Shop Drawings for DN50 Washout on 50mm, 80mm, and 100mm Pipes (For Construction Copy)	August 1, 2018	August 31, 2018	August 6, 2018	5	A
39	CW05-ABC-01300-MAT-00016-00	PVC Weep Holes' Sample for Retaining Wall	January 14, 2018	February 13, 2018	January 28, 2018	14	A
40	CW05-ABC-01300-SCH-00017-00	Monthly Updated Submittals Schedule January 17, 2018	January 21, 2018	February 20, 2018	February 11, 2018	21	C
41	CW05-ABC-01300-SCH-00017-01	Monthly Updated Submittals Schedule January 17, 2018	June 6, 2018	July 6, 2018	June 25, 2018	19	A
42	CW05-ABC-01300-MAT-00018-00	Plastic Water Stop for Retaining Walls (Data and Sample).	January 22, 2018	February 21, 2018	January 28, 2018	6	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
43	CW05-ABC-01300-SHP-00019-00	Karma Network Shop Drawing (Part 3)	January 24, 2018	February 23, 2018	February 4, 2018	11	B
44	CW05-ABC-01300-SHP-00019-01	Karma Network Shop Drawing (Part 3)	February 5, 2018	March 7, 2018	February 8, 2018	3	A
45	CW05-ABC-01300-SHP-00020-00	Structural Shop Drawing for Eastern Retaining Wall around Karma Reservoir.	January 31, 2018	March 2, 2018	February 4, 2018	4	A
46	CW05-ABC-01300-SHP-00020-01	Structural Shop Drawing for Eastern Retaining Wall around Karma Reservoir (For Construction Copy)	February 6, 2018	March 8, 2018	February 8, 2018	2	E
47	CW05-ABC-01300-SHP-00021-00	Karma Network Shop Drawing (Part 4)	February 4, 2018	March 6, 2018	February 12, 2018	8	B
48	CW05-ABC-01300-SHP-00021-01	Karma Network Shop Drawing (Part 4) (For Construction Copy)	February 21, 2018	March 23, 2018	February 27, 2018	6	A
49	CW05-ABC-01300-PQD-00022-00	Updated Equipments' / Operators' licenses and insurances.	February 5, 2018	March 7, 2018	February 11, 2018	6	A
50	CW05-ABC-01300-SHP-00023-00	Structural Shop Drawing for Northern Retaining Wall Around Karma Reservoir.	February 5, 2018	March 7, 2018	February 6, 2018	1	B
51	CW05-ABC-01300-SHP-00023-01	Structural Shop Drawing for Northern Retaining Wall Around Karma Reservoir.	February 7, 2018	March 9, 2018	R	R	R
52	CW05-ABC-01300-SHP-00023-02	Structural Shop Drawing for Northern Retaining Wall around Karma Reservoir (For Construction Copy)	February 19, 2018	March 21, 2018	February 25, 2018	6	A
53	CW05-ABC-01300-PSP-00024-00	Safety Plan Monthly Update for December 2017 and January 2018.	February 7, 2018	March 9, 2018	February 11, 2018	4	A
54	CW05-ABC-01300-RYS-00025-00	Construction Risk Management Program Monthly Update for December 2017 and January 2018.	February 7, 2018	March 9, 2018	February 15, 2018	8	A
55	CW05-ABC-01300-MTD-00026-00	Environmental Monitoring & Mitigation Plan Monthly Update for December 2017 and January 2018.	February 11, 2018	March 13, 2018	February 15, 2018	4	A
56	CW05-ABC-01300-PQP-00027-00	Quality Control Plan Monthly Update for December 2017 and January 2018	February 20, 2018	March 22, 2018	February 25, 2018	5	A
57	CW05-ABC-01300-MAT-00028-00	Spare Parts List	February 21, 2018	March 23, 2018	March 11, 2018	18	B
58	CW05-ABC-01300-RMP-00029-00	Construction Risk Management Program Monthly Update for February 2018	March 4, 2018	April 3, 2018	March 11, 2018	7	A
59	CW05-ABC-01300-PSP-00030-00	Safety Plan Monthly Update for February 2018	March 4, 2018	April 3, 2018	March 11, 2018	7	A
60	CW05-ABC-01300-PQD-00031-00	Crane license and insurance.	March 20, 2018	April 19, 2018	March 22, 2018	2	A
61	CW05-ABC-01300-SHP-00032-00	Structural Shop Drawings for Karma Service Connection Chamber	March 29, 2018	April 28, 2018	R	R	R
62	CW05-ABC-01300-SHP-00032-01	Structural Shop Drawings for Karma Service Connection Chamber	April 3, 2018	May 3, 2018	April 9, 2018	6	B
63	CW05-ABC-01300-SHP-00032-02	Structural Shop Drawings for Karma Service Connection Chamber (For Construction Copy)	April 18, 2018	May 18, 2018	R	R	R
64	CW05-ABC-01300-SHP-00032-03	Structural Shop Drawings for Karma Service Connection Chamber (For Construction Copy)	April 24, 2018	May 24, 2018	April 25, 2018	1	A
65	CW05-ABC-01300-PSP-00033-00	Safety Plan Monthly Update for March 2018	April 15, 2018	May 15, 2018	April 18, 2018	3	A
66	CW05-ABC-01300-RMP-00034-00	Construction Risk Management Program Monthly Update for March 2018	April 15, 2018	May 15, 2018	April 18, 2018	3	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
67	CW05-ABC-01300-OMM-00035-00	O&M Manual Outline	April 29, 2018	May 29, 2018	May 22, 2018	23	A
68	CW05-ABC-01300-PQP-00036-00	Quality Control Plan Monthly Update for February, March and April 2018.	May 6, 2018	June 5, 2018	May 8, 2018	2	B
69	CW05-ABC-01300-PQP-00036-01	Quality Control Plan Monthly Update for February, March and April 2018.	May 9, 2018	June 8, 2018	May 16, 2018	7	A
70	CW05-ABC-01300-SCH-00037-00	Monthly Updated Submittals Schedule for February, March and April 2018.	May 7, 2018	June 6, 2018	June 5, 2018	29	A
71	CW05-ABC-01300-MTD-00038-00	Environmental Monitoring & Mitigation Plan Monthly Update for February, March and April 2018	May 16, 2018	June 15, 2018	May 23, 2018	7	A
72	CW05-ABC-01300-PSP-00039-00	Safety Plan Monthly Update for April and May 2018	June 4, 2018	July 4, 2018	June 11, 2018	7	A
73	CW05-ABC-01300-PQP-00040-00	Quality Control Plan Monthly Update for May 2018.	June 6, 2018	July 6, 2018	June 11, 2018	5	B
74	CW05-ABC-01300-PQP-00040-01	Quality Control Plan Monthly Update for May 2018.	June 21, 2018	July 21, 2018	June 25, 2018	4	A
75	CW05-ABC-01300-RMP-00041-00	Construction Risk Management Program Monthly Update for April and May 2018	June 6, 2018	July 6, 2018	June 11, 2018	5	A
76	CW05-ABC-01300-SCH-00042-00	Monthly Updated Submittals Schedule for May 2018.	June 10, 2018	July 10, 2018	June 26, 2018	16	B
77	CW05-ABC-01300-SCH-00042-01	Monthly Updated Submittals Schedule for May 2018.	August 5, 2018	September 4, 2018	August 13, 2018	8	E
78	CW05-ABC-01300-PQP-00043-00	Quality Control Plan Monthly Update for June 2018.	July 5, 2018	August 4, 2018	July 11, 2018	6	B
79	CW05-ABC-01300-PQP-00043-01	Quality Control Plan Monthly Update for June 2018.	July 12, 2018	August 11, 2018	July 17, 2018	5	A
80	CW05-ABC-01300-SCH-00044-00	Monthly Updated Submittals Schedule for June 2018.	July 8, 2018	August 7, 2018	July 26, 2018	18	A
81	CW05-ABC-01300-OMM-00045-00	Preliminary O&M Manual - Volume 1 Section 1&3	July 26, 2018	August 25, 2018	August 6, 2018	11	B
82	CW05-ABC-01300-OMM-00045-01	Preliminary O&M Manual - Volume 1 Section 1&3	August 13, 2018	September 12, 2018	August 15, 2018	2	E
83	CW05-ABC-01300-SCH-00046-00	Monthly Updated Submittals Schedule for July 2018.	August 8, 2018	September 7, 2018	August 26, 2018	18	A
84	CW05-ABC-01300-MMP-00047-00	Environmental Monitoring & Mitigation Plan Monthly Update for May, June and July 2018	August 8, 2018	September 7, 2018	August 27, 2018	19	B
85	CW05-ABC-01300-DAB-00048-00	Frame Template for Final As Built Drawings.	August 8, 2018	September 7, 2018	P	P	P
86	CW05-ABC-01300-PSP-00049-00	Safety Plan Monthly Update for June and July 2018	August 8, 2018	September 7, 2018	August 27, 2018	19	C
87	CW05-ABC-01300-OMM-00050-00	Preliminary O&M Manual - Volume 1 Section 1&2	August 8, 2018	September 7, 2018	August 13, 2018	5	A
88	CW05-ABC-01300-SHP-00051-00	Shop Drawing for Washout Outfall in Urban Areas Cast in Situ.	August 12, 2018	September 11, 2018	August 16, 2018	4	A
89	CW05-ABC-01300-SHP-00052-00	Shop Drawings for Karma Reservoir Sliding Gate.	August 14, 2018	September 13, 2018	August 28, 2018	14	D
90	CW05-ABC-01300-PQP-00053-00	Quality Control Plan Monthly Update for July 2018.	August 15, 2018	September 14, 2018	August 26, 2018	11	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
91	CW05-ABC-01300-PQP-00053-01	Quality Control Plan Monthly Update for July 2018.	August 27, 2018	September 26, 2018	August 28, 2018	1	A
Section 01310							
1	CW05-ABC-01310-PCD-00001-00	Computerized CPM Capability Statement	November 1, 2017	December 1, 2017	November 6, 2017	5	A
2	CW05-ABC-01310-PCD-00002-00	60 Days Plan Of Operation.	November 12, 2017	December 12, 2017	November 17, 2017	5	B
3	CW05-ABC-01310-PCD-00002-01	60 Days Plan Of Operation.	November 28, 2017	December 28, 2017	December 3, 2017	5	A
4	CW05-ABC-01310-PCD-00003-00	Project Overview Bar Chart.	November 12, 2017	December 12, 2017	November 17, 2017	5	B
5	CW05-ABC-01310-PCD-00003-01	Project Overview Bar Chart.	November 28, 2017	December 28, 2017	December 3, 2017	5	A
6	CW05-ABC-01310-PCD-00004-00	CPM Construction Schedule Narrative Report.	November 28, 2017	December 28, 2017	December 12, 2017	14	C
7	CW05-ABC-01310-PCD-00004-01	CPM Construction Schedule Narrative Report.	December 27, 2017	January 26, 2018	January 3, 2018	7	C
8	CW05-ABC-01310-PCD-00004-02	CPM Construction Schedule Narrative Report.	January 4, 2018	February 3, 2018	January 22, 2018	18	B
9	CW05-ABC-01310-PCD-00004-03	CPM Construction Schedule Narrative Report.	February 1, 2018	March 3, 2018	February 11, 2018	10	B
10	CW05-ABC-01310-PCD-00004-04	CPM Construction Schedule Narrative Report.	May 22, 2018	June 21, 2018	June 19, 2018	28	A
11	CW05-ABC-01310-SCH-00005-00	Updated CPM Construction Schedule Data Date 31 January 2018.	February 7, 2018	March 9, 2018	February 26, 2018	19	B
12	CW05-ABC-01310-SCH-00005-01	Updated CPM Construction Schedule Data Date 31 January 2018.	March 11, 2018	April 10, 2018	March 15, 2018	4	B
13	CW05-ABC-01310-SCH-00005-02	Updated CPM Construction Schedule Data Date 31 January 2018.	May 22, 2018	June 21, 2018	June 19, 2018	28	A
14	CW05-ABC-01310-SCH-00006-00	Updated CPM Construction Schedule February Update Narrative Report	March 11, 2018	April 10, 2018	March 15, 2018	4	B
15	CW05-ABC-01310-SCH-00006-01	Updated CPM Construction Schedule February Update Narrative Report	May 22, 2018	June 21, 2018	June 19, 2018	28	A
16	CW05-ABC-01310-SCH-00007-00	Revised CPM Construction Schedule 12 March 2018 Narrative Report	March 29, 2018	April 28, 2018	April 24, 2018	26	B
17	CW05-ABC-01310-SCH-00007-01	Revised CPM Construction Schedule 12 March 2018 Narrative Report	April 29, 2018	May 29, 2018	May 16, 2018	17	A
18	CW05-ABC-01310-SCH-00008-00	Updated CPM Construction Schedule March Update Narrative Report.	April 5, 2018	May 5, 2018	April 30, 2018	25	C
19	CW05-ABC-01310-SCH-00009-00	Updated CPM Construction Schedule 30 April Update.	May 20, 2018	June 19, 2018	June 5, 2018	16	B
20	CW05-ABC-01310-SCH-00010-00	Updated CPM Construction Schedule 30 June Update	July 11, 2018	August 10, 2018	July 30, 2018	19	C
Section 01380							
1	CW05-ABC-01380-PCD-00001-00	Dilapidation Survey	November 12, 2017	December 12, 2017	December 7, 2017	25	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
2	CW05-ABC-01380-PCD-00001-01	Dilapidation Survey	January 21, 2018	February 20, 2018	February 4, 2018	14	A
3	CW05-ABC-01380-SHP-00002-00	500 m ³ Reservoir Grid Level	November 12, 2017	December 12, 2017	November 21, 2017	9	C
4	CW05-ABC-01380-SHP-00002-01	500 m ³ Reservoir Grid Level	November 26, 2017	December 26, 2017	December 7, 2017	11	B
5	CW05-ABC-01380-SHP-00002-02	500 m ³ Reservoir Grid Level	December 10, 2017	January 9, 2018	December 13, 2017	3	A
Section 01400							
1	CW05-ABC-01400-PCD-00001-00	Testing Lab CV	November 1, 2017	December 1, 2017	November 6, 2017	5	B
2	CW05-ABC-01400-PCD-00001-01	Testing Lab CV	November 19, 2017	December 19, 2017	November 23, 2017	4	A
3	CW05-ABC-01400-PCD-00002-00	Quality Control Plan	November 1, 2017	December 1, 2017	November 16, 2017	15	C
4	CW05-ABC-01400-PCD-00002-01	Quality Control Plan	November 19, 2017	December 19, 2017	December 12, 2017	23	A
5	CW05-ABC-01400-PQP-00003-00	3rd Party Test Lab CV (International Center for Geotechnical & Engineering Studies).	January 16, 2018	February 15, 2018	January 28, 2018	12	C
6	CW05-ABC-01400-PQP-00003-01	3rd Party Test Lab CV (International Center for Geotechnical & Engineering Studies).	March 28, 2018	April 27, 2018	April 1, 2018	4	E
Section 01500							
1	CW05-ABC-01500-PCD-00001-00	Projects' Temporary Signs	November 1, 2017	December 1, 2017	November 6, 2017	5	B
2	CW05-ABC-01500-PCD-00001-01	Projects' Temporary Signs	November 19, 2017	December 19, 2017	November 22, 2017	3	A
Section 01590							
1	CW05-ABC-01590-PCD-00001-00	Engineers' Field Offices Furniture	October 26, 2017	November 25, 2017	November 1, 2017	6	B
2	CW05-ABC-01590-PCD-00001-01	Engineers' Field Offices Furniture	November 19, 2017	December 19, 2017	December 12, 2017	23	A
3	CW05-ABC-01590-PCD-00002-00	Engineers' Computer System and Miscellaneous	October 26, 2017	November 25, 2017	November 9, 2017	14	B
4	CW05-ABC-01590-PCD-00002-01	Engineers' Computer System and Miscellaneous	November 16, 2017	December 16, 2017	November 17, 2017	1	A
5	CW05-ABC-01590-PCD-00003-00	Engineers' Primary Field Office Layout	October 26, 2017	November 25, 2017	November 2, 2017	7	B
6	CW05-ABC-01590-PCD-00003-01	Engineers' Primary Field Office Layout	November 21, 2017	December 21, 2017	December 12, 2017	21	A
Section 01820							
1	CW05-ABC-01820-TRP-00001-00	Training Outline	April 25, 2018	May 25, 2018	May 17, 2018	22	C
2	CW05-ABC-01820-TRP-00001-01	Training Outline	May 20, 2018	June 19, 2018	June 5, 2018	16	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
3	CW05-ABC-01820-TRP-00002-00	Training Material - Volume 2	August 5, 2018	September 4, 2018	August 8, 2018	3	B
4	CW05-ABC-01820-TRP-00002-01	Training Material - Volume 2	August 9, 2018	September 8, 2018	August 27, 2018	18	A
Section 02200							
1	CW05-ABC-02200-MAT-00001-00	Base Course Material Source Al Shebel Crusher Plant - Beit Emra Town.	November 27, 2017	December 27, 2017	December 14, 2017	17	B
2	CW05-ABC-02200-MAT-00001-01	Base Course Material Source Al Shebel Crusher Plant - Beit Emra Town.	December 17, 2017	January 16, 2018	December 21, 2017	4	A
3	CW05-ABC-02200-MAT-00002-00	Sub-Base Material Alternative Source Al Bushra Crusher Plant / Hebron City.	November 27, 2017	December 27, 2017	December 17, 2017	20	B
4	CW05-ABC-02200-MAT-00002-01	Sub-Base Material Alternative Source Al Bushra Crusher Plant / Hebron City.	January 28, 2018	February 27, 2018	January 31, 2018	3	A
5	CW05-ABC-02200-SHP-00003-00	Karma Reservoir and Retaining Wall Excavation Plan.	December 27, 2017	January 26, 2018	January 3, 2018	7	C
6	CW05-ABC-02200-SHP-00003-01	Karma Reservoir and Retaining Wall Excavation Plan.	January 14, 2018	February 13, 2018	January 18, 2018	4	C
7	CW05-ABC-02200-SHP-00003-02	Karma Reservoir and Retaining Wall Excavation Plan.	February 18, 2018	March 20, 2018	February 26, 2018	8	B
8	CW05-ABC-02200-SHP-00003-03	Karma Reservoir and Retaining Wall Excavation Plan (For Construction Copy)	February 27, 2018	March 29, 2018	March 8, 2018	9	A
9	CW05-ABC-02200-MAT-00004-00	Base Course Material Source Al Ja'bari Crusher Plant – Bani Naem Town.	February 18, 2018	March 20, 2018	February 25, 2018	7	A
10	CW05-ABC-02200-MAT-00005-00	Filter Fabric (Geotextile) Material (Type A) – for Retaining Walls (Data and Sample)	February 22, 2018	March 24, 2018	February 27, 2018	5	B
11	CW05-ABC-02200-MAT-00005-01	Filter Fabric (Geotextile) Material (Type A) – for Retaining Walls (Data and Sample)	May 6, 2018	June 5, 2018	May 8, 2018	2	A
12	CW05-ABC-02200-MAT-00006-00	Filter Fabric (Geotextile) Material for Retaining Walls - Source SKAPS Industries India PVT. LTD (Data and Sample)	May 6, 2018	June 5, 2018	May 9, 2018	3	A
Section 02202							
1	CW05-ABC-02202-MAT-00001-00	Underground Warning Tapes for Water Pipelines.	November 9, 2017	December 9, 2017	November 16, 2017	7	B
2	CW05-ABC-02202-MAT-00001-01	Underground Warning Tapes for Water Pipelines.	November 26, 2017	December 26, 2017	December 19, 2017	23	A
3	CW05-ABC-02202-MTD-00002-00	Method Statement for (50 mm) Pipelines.	November 16, 2017	December 16, 2017	December 12, 2017	26	C
4	CW05-ABC-02202-MTD-00002-01	Method Statement for (50 mm) Pipelines.	December 14, 2017	January 13, 2018	December 26, 2017	12	B
5	CW05-ABC-02202-MTD-00002-02	Method Statement for (50 mm) Pipelines.	February 15, 2018	March 17, 2018	February 18, 2018	3	A
6	CW05-ABC-02202-MAT-00003-00	Filter Fabric (Geotextile) (Type A – Above Trench) Data and sample.	November 26, 2017	December 26, 2017	December 12, 2017	16	A
7	CW05-ABC-02202-MAT-00004-00	Backfilling Materials Source Al Shebel Crusher Plant - Beit Emra Town.	November 27, 2017	December 27, 2017	December 14, 2017	17	B
8	CW05-ABC-02202-MAT-00004-01	Backfilling Materials Source Al Shebel Crusher Plant - Beit Emra Town.	December 17, 2017	January 16, 2018	December 21, 2017	4	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
9	CW05-ABC-02202-MAT-00005-00	Backfilling Materials Alternative Source Al Bushra Crusher Plant / Hebron City.	November 27, 2017	December 27, 2017	December 17, 2017	20	B
10	CW05-ABC-02202-MAT-00005-01	Backfilling Materials Alternative Source Al Bushra Crusher Plant / Hebron City.	January 28, 2018	February 27, 2018	January 31, 2018	3	A
11	CW05-ABC-02202-MTD-00006-00	Method Statement for Karma (75 mm, 100 mm and 150 mm) Steel Pipes.	December 3, 2017	January 2, 2018	December 27, 2017	24	B
12	CW05-ABC-02202-MTD-00006-01	Method Statement for Karma (75 mm, 100 mm and 150 mm) Steel Pipes.	January 9, 2018	February 8, 2018	January 28, 2018	19	A
13	CW05-ABC-02202-MTD-00007-00	Method Statement for Construction of the Precast and Cast in Place Concrete Manholes.	December 3, 2017	January 2, 2018	December 27, 2017	24	C
14	CW05-ABC-02202-MTD-00007-01	Method Statement for Construction of the Precast and Cast in Place Concrete Manholes.	January 8, 2018	February 7, 2018	January 22, 2018	14	A
15	CW05-ABC-02202-MAT-00008-00	Filter Fabric (Geotextile) - Alternative (Data and sample).	February 5, 2018	March 7, 2018	February 12, 2018	7	A
16	CW05-ABC-02202-MAT-00009-00	Backfilling Materials for Trench Source Al Ja'bari Crusher Plant – Bani Naem Town	February 18, 2018	March 20, 2018	February 25, 2018	7	A
17	CW05-ABC-02202-MAT-00010-00	Prime Coat and Tack Coat (PAZKAR and BITUM)	April 29, 2018	May 29, 2018	May 3, 2018	4	A
18	CW05-ABC-02202-MAT-00011-00	Filter Fabric (Geotextile) Material for Trenches - Source SKAPS Industries India PVT. LTD (Data and Sample)	May 6, 2018	June 5, 2018	May 9, 2018	3	A
Section 02490							
1	CW05-ABC-02490-MAT-00001-00	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole).	December 7, 2017	January 6, 2018	December 21, 2017	14	B
2	CW05-ABC-02490-MAT-00001-01	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole).	December 27, 2017	January 26, 2018	January 3, 2018	7	B
3	CW05-ABC-02490-MAT-00001-02	Precast Gate Valve in Handhole (1.20 X1.20X1.10 m – Addasi Precast Manhole).	January 9, 2018	February 8, 2018	January 11, 2018	2	A
4	CW05-ABC-02490-MAT-00002-00	Precast Chamber (120 x 120 x 200 CM) (150 x 150 x 200 CM)	January 16, 2018	February 15, 2018	January 28, 2018	12	B
5	CW05-ABC-02490-MAT-00002-01	Precast Chamber (120 x 120 x 200 CM) (150 x 150 x 200 CM)	March 12, 2018	April 11, 2018	March 15, 2018	3	A
6	CW05-ABC-02490-MAT-00002-02	Precast Chamber (120 x 120 x 200 CM) (150 x 150 x 200 CM) (For Construction Copy)	April 30, 2018	May 30, 2018	May 3, 2018	3	A
7	CW05-ABC-02490-MAT-00003-00	Precast Manhole Step Material, Sample and Method of Installation.	January 22, 2018	February 21, 2018	February 4, 2018	13	A
Section 02606							
1	CW05-ABC-02606-MAT-00001-00	Manhole Cover 750mm and 600mm.	December 27, 2017	January 26, 2018	December 31, 2017	4	D
2	CW05-ABC-02606-MAT-00001-01	Manhole Cover 750mm and 600mm.	April 22, 2018	May 22, 2018	April 24, 2018	2	E
3	CW05-ABC-02606-MAT-00002-00	600mm Manhole Covers	March 5, 2018	April 4, 2018	April 1, 2018	27	B
4	CW05-ABC-02606-MAT-00002-01	600mm Manhole Covers	April 3, 2018	May 3, 2018	April 5, 2018	2	A
5	CW05-ABC-02606-MAT-00003-00	750mm Manhole Covers	March 5, 2018	April 4, 2018	April 1, 2018	27	D

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
6	CW05-ABC-02606-MAT-00003-01	750mm Manhole Covers	April 22, 2018	May 22, 2018	April 25, 2018	3	E
7	CW05-ABC-02606-MAT-00004-00	700mm Manhole Covers and Frames	April 23, 2018	May 23, 2018	April 30, 2018	7	B
8	CW05-ABC-02606-MAT-00004-01	700mm Manhole Covers and Frames	May 16, 2018	June 15, 2018	May 28, 2018	12	A
Section 02641							
1	CW05-ABC-02641-MAT-00001-00	Prepayment Metering Systems	February 7, 2018	March 9, 2018	February 25, 2018	18	A
2	CW05-ABC-02641-SHP-00002-00	Mechanical Shop Drawings for Above Grade Water Meter Assembly	March 11, 2018	April 10, 2018	March 27, 2018	16	C
3	CW05-ABC-02641-SHP-00002-01	Mechanical Shop Drawings for Above Grade Water Meter Assembly	April 15, 2018	May 15, 2018	April 17, 2018	2	A
4	CW05-ABC-02641-OMM-00003-00	Preliminary O&M Manual for Pre-Paid Water Meters - Volume 2 Section 8G	August 12, 2018	September 11, 2018	August 28, 2018	16	C
Section 02675							
1	CW05-ABC-02675-PQP-00001-00	CV for Birzeit Disinfection Tests Lab	August 12, 2018	September 11, 2018	August 15, 2018	3	B
Section 02704							
1	CW05-ABC-02704-MTD-00001-00	Method Statement for Flushing, Disinfection, Pressure and Leakage Testing of New Pipelines	December 31, 2017	January 30, 2018	January 28, 2018	28	C
2	CW05-ABC-02704-MTD-00001-01	Method Statement for Flushing, Disinfection, Pressure and Leakage Testing of New Pipelines	April 3, 2018	May 3, 2018	April 24, 2018	21	B
3	CW05-ABC-02704-MTD-00001-02	Method Statement for Flushing, Disinfection, Pressure and Leakage Testing of New Pipelines	July 4, 2018	August 3, 2018	July 11, 2018	7	A
4	CW05-ABC-02704-PQP-00002-00	Lab CV for the Disinfection Tests	July 24, 2018	August 23, 2018	August 6, 2018	13	C
Section 02832							
1	CW05-ABC-02832-MAT-00001-00	Steel Mesh Fence and Posts.	December 24, 2017	January 23, 2018	December 28, 2017	4	B
2	CW05-ABC-02832-MAT-00001-01	Steel Mesh Fence and Posts.	January 8, 2018	February 7, 2018	R	R	R
3	CW05-ABC-02832-MAT-00001-02	Steel Mesh Fence and Posts.	February 1, 2018	March 3, 2018	February 8, 2018	7	B
4	CW05-ABC-02832-MAT-00001-03	Steel Mesh Fence and Posts.	May 1, 2018	May 31, 2018	May 17, 2018	16	A
Section 03100							
1	CW05-ABC-03100-MAT-00001-00	Tie Rod for Reservoir Walls and Retaining Walls. (Data and Sample)	December 31, 2017	January 30, 2018	January 16, 2018	16	B
2	CW05-ABC-03100-MAT-00001-01	Tie Rod for Reservoir Walls and Retaining Walls. (Data and Sample)	March 12, 2018	April 11, 2018	March 14, 2018	2	A
3	CW05-ABC-03100-SHP-00002-00	Formwork Shop Drawing and Design Calculations for Retaining Walls.	January 8, 2018	February 7, 2018	January 28, 2018	20	E

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
4	CW05-ABC-03100-MAT-00003-00	Form Work Materials Plywood and Bracing /Samples.	January 11, 2018	February 10, 2018	January 18, 2018	7	E
5	CW05-ABC-03100-MAT-00004-00	Samples for Spacer and Plastic Chamfer	January 16, 2018	February 15, 2018	January 22, 2018	6	B
6	CW05-ABC-03100-MAT-00004-01	Samples for Spacer and Plastic Chamfer	January 24, 2018	February 23, 2018	January 31, 2018	7	A
7	CW05-ABC-03100-SHP-00005-00	Formwork Shop Drawing and Design Calculations for Karma Elevated Water Tank	March 28, 2018	April 27, 2018	April 9, 2018	7	E
Section 03200							
1	CW05-ABC-03200-MAT-00001-00	Steel Reinforcement.	November 28, 2017	December 28, 2017	December 21, 2017	23	B
2	CW05-ABC-03200-MAT-00001-01	Steel Reinforcement.	February 14, 2018	March 16, 2018	February 25, 2018	11	A
Section 03250							
1	CW05-ABC-03250-MAT-00001-00	PVC Water Stop 250 mm.	November 28, 2017	December 28, 2017	December 19, 2017	21	B
2	CW05-ABC-03250-MAT-00001-01	PVC Water Stop 250 mm.	December 31, 2017	January 30, 2018	January 3, 2018	3	A
3	CW05-ABC-03250-MAT-00002-00	PVC Water Stop 150 mm (Data and Sample).	December 19, 2017	January 18, 2018	December 26, 2017	7	C
4	CW05-ABC-03250-MAT-00002-01	PVC Water Stop 150 mm (Data and Sample).	December 27, 2017	January 26, 2018	January 3, 2018	7	B
5	CW05-ABC-03250-MAT-00002-02	PVC Water Stop 150 mm (Data and Sample).	January 3, 2018	February 2, 2018	January 8, 2018	5	A
6	CW05-ABC-03250-MAT-00003-00	Sample for PVC Water Stop 250 mm.	January 3, 2018	February 2, 2018	January 11, 2018	8	A
7	CW05-ABC-03250-MAT-00004-00	Sellable Water Stop for Chamber (SW30) Material and Sample	April 24, 2018	May 24, 2018	April 30, 2018	6	A
8	CW05-ABC-03250-MTD-00005-00	Method Statement for Installation of Swellable Water Stop (SW30 and Adhesive)	April 29, 2018	May 29, 2018	R	R	R
9	CW05-ABC-03250-MTD-00005-01	Method Statement for Installation of Swellable Water Stop (SW30 and Adhesive)	April 30, 2018	May 30, 2018	May 3, 2018	3	A
Section 03300							
1	CW05-ABC-03300-MAT-00001-00	Concrete Mix Design – Al-Aabed Mix Plant (Classes A1, A3-35 (35 MPa), A3-30 (30 MPa), B (28 MPa), A3-24 (24 MPa), D1 (21 MPa) and D7 (14 MPa)).	December 5, 2017	January 4, 2018	December 21, 2017	16	B
2	CW05-ABC-03300-MAT-00001-01	Concrete Mix Design – Al-Aabed Mix Plant (Classes A1, A3-35 (35 MPa), A3-30 (30 MPa), B (28 MPa), A3-24 (24 MPa), D1 (21 MPa) and D7 (14 MPa)).	January 21, 2018	February 20, 2018	January 28, 2018	7	A
3	CW05-ABC-03300-MTD-00002-00	Concrete Temperature Control Plan during Hot Weather	January 14, 2018	February 13, 2018	January 31, 2018	17	B
4	CW05-ABC-03300-MTD-00002-01	Concrete Temperature Control Plan during Hot Weather	February 14, 2018	March 16, 2018	February 27, 2018	13	A
5	CW05-ABC-03300-MAT-00003-00	Concrete Super Plasticizer (Conplast SP430- Fosroc).	January 21, 2018	February 20, 2018	January 28, 2018	7	B
6	CW05-ABC-03300-MAT-00003-01	Concrete Super Plasticizer (Conplast SP430- Fosroc).	March 13, 2018	April 12, 2018	March 15, 2018	2	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
7	CW05-ABC-03300-MAT-00004-00	Concrete Mix Design / Zalloum Plant.	February 12, 2018	March 14, 2018	February 15, 2018	3	B
8	CW05-ABC-03300-MAT-00004-01	Concrete Mix Design / Zalloum Plant.	March 4, 2018	April 3, 2018	March 8, 2018	4	B
9	CW05-ABC-03300-MAT-00004-02	Concrete Mix Design / Zalloum Plant.	March 29, 2018	April 28, 2018	April 5, 2018	7	A
10	CW05-ABC-03300-MAT-00005-00	Concrete Mix Design / Al Janoub Plant	February 18, 2018	March 20, 2018	February 25, 2018	7	B
11	CW05-ABC-03300-MAT-00005-01	Concrete Mix Design / Al Janoub Plant	July 15, 2018	August 14, 2018	July 18, 2018	3	E
12	CW05-ABC-03300-MAT-00006-00	Isolation Material for Buried Concrete (SM01 for Manholes)	June 21, 2018	July 21, 2018	June 25, 2018	4	A
Section 03350							
1	CW05-ABC-03350-MAT-00001-00	Concrete Curing Material (Concure WB309)	January 14, 2018	February 13, 2018	January 16, 2018	2	B
2	CW05-ABC-03350-MAT-00001-01	Concrete Curing Material (Concure WB309)	February 14, 2018	March 16, 2018	February 25, 2018	11	A
3	CW05-ABC-03350-MAT-00002-00	Cementation Repair Mortar (Renderoc FC) and Method Statement.	February 6, 2018	March 8, 2018	February 11, 2018	5	B
4	CW05-ABC-03350-MAT-00002-01	Cementation Repair Mortar (Renderoc FC) and Method Statement.	March 13, 2018	April 12, 2018	March 15, 2018	2	A
5	CW05-ABC-03350-MAT-00003-00	General Concrete Repair Method Statement and Materials	February 22, 2018	March 24, 2018	March 4, 2018	10	B
6	CW05-ABC-03350-MAT-00003-01	General Concrete Repair Method Statement and Materials	March 13, 2018	April 12, 2018	R	R	R
7	CW05-ABC-03350-MAT-00003-02	General Concrete Repair Method Statement and Materials	March 15, 2018	April 14, 2018	March 22, 2018	7	A
Section 05520							
1	CW05-ABC-05520-SHP-00001-00	Shop Drawings for Karma Elevated Reservoir Steel Handrail	July 9, 2018	August 8, 2018	July 12, 2018	3	D
2	CW05-ABC-05520-SHP-00001-01	Shop Drawings for Karma Elevated Reservoir Steel Handrail	July 16, 2018	August 15, 2018	July 18, 2018	2	B
3	CW05-ABC-05520-SHP-00001-02	Shop Drawings for Karma Elevated Reservoir Steel Handrail (For Construction Copy)	August 1, 2018	August 31, 2018	August 6, 2018	5	A
4	CW05-ABC-05520-SHP-00002-00	Shop Drawings for Internal Stainless Steel Ladders of Karma Reservoir	July 11, 2018	August 10, 2018	July 23, 2018	12	C
5	CW05-ABC-05520-SHP-00002-01	Shop Drawings for Internal Stainless Steel Ladders of Karma Reservoir	August 14, 2018	September 13, 2018	August 27, 2018	13	B
6	CW05-ABC-05520-SHP-00002-02	Shop Drawings for Internal Stainless Steel Ladders of Karma Reservoir (For Construction Copy)	August 29, 2018	September 28, 2018	P	P	P
Section 07900							
1	CW05-ABC-07900-MAT-00001-00	Joint Sealant Thioflex 600.	January 15, 2018	February 14, 2018	January 18, 2018	3	A
Section 08305							

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
1	CW05-ABC-08305-MAT-00001-00	HALLIDAY Access Hatches.	December 21, 2017	January 20, 2018	January 11, 2018	21	C
2	CW05-ABC-08305-MAT-00001-01	HALLIDAY Access Hatches.	January 29, 2018	February 28, 2018	January 31, 2018	2	A
Section 09940							
1	CW05-ABC-09940-MAT-00001-00	Coating of Steel Pipes Inside Chambers and above Ground	November 9, 2017	December 9, 2017	November 23, 2017	14	B
2	CW05-ABC-09940-MAT-00001-01	Coating of Steel Pipes Inside Chambers and above Ground	December 5, 2017	January 4, 2018	December 12, 2017	7	A
3	CW05-ABC-09940-MAT-00002-00	Internal Epoxy Coating for 500 m ³ Elevated Karma Reservoir (Nitocote EPSW).	December 28, 2017	January 27, 2018	January 16, 2018	19	A
4	CW05-ABC-09940-MTD-00003-00	Internal Break Tank Coating and Repair Method Statement and Materials	August 9, 2018	September 8, 2018	August 26, 2018	17	C
5	CW05-ABC-09940-MTD-00004-00	Internal Elevated Tank Coating and Repair Method Statement and Materials	August 27, 2018	September 26, 2018	P	P	P
Section 13110							
1	CW05-ABC-13110-MAT-00001-00	Cathodic Protection Test Stations & Shunts	November 8, 2017	December 8, 2017	November 23, 2017	15	A
2	CW05-ABC-13110-MAT-00002-00	Cathodic Protection Pin Brazing & Consumables	November 8, 2017	December 8, 2017	November 19, 2017	11	A
3	CW05-ABC-13110-MAT-00003-00	Flange Insulating Kit	November 8, 2017	December 8, 2017	November 20, 2017	12	B
4	CW05-ABC-13110-MAT-00003-01	Flange Insulating Kit	December 18, 2017	January 17, 2018	December 24, 2017	6	A
5	CW05-ABC-13110-MAT-00004-00	Cathodic Protection Magnesium Anodes & Installation Method Statement	November 8, 2017	December 8, 2017	November 20, 2017	12	B
6	CW05-ABC-13110-MAT-00004-01	Cathodic Protection Magnesium Anodes & Installation Method Statement	December 5, 2017	January 4, 2018	December 24, 2017	19	A
7	CW05-ABC-13110-MAT-00005-00	Cathodic Protection Handy Caps	November 9, 2017	December 9, 2017	November 19, 2017	10	A
8	CW05-ABC-13110-MAT-00006-00	Cathodic Protection Pipe Lead & Bond wires	November 9, 2017	December 9, 2017	November 23, 2017	14	A
9	CW05-ABC-13110-MAT-00007-00	Cathodic Protection Corrosion Reference Electrode.	November 22, 2017	December 22, 2017	November 23, 2017	1	A
10	CW05-ABC-13110-MAT-00008-00	Conduits for Cathodic Protection Wires.	November 26, 2017	December 26, 2017	December 3, 2017	7	A
11	CW05-ABC-13110-MAT-00009-00	Valve Box for Cathodic Protection Test Station	January 28, 2018	February 27, 2018	February 15, 2018	18	B
12	CW05-ABC-13110-MAT-00009-01	Valve Box for Cathodic Protection Test Station	April 4, 2018	May 4, 2018	April 19, 2018	15	A
13	CW05-ABC-13110-SHP-00010-00	Mechanical Shop Drawings for Flange Insulation Kit Locations.	February 6, 2018	March 8, 2018	February 20, 2018	14	C
14	CW05-ABC-13110-SHP-00010-01	Mechanical Shop Drawings for Flange Insulation Kit Locations.	March 4, 2018	April 3, 2018	March 8, 2018	4	A
15	CW05-ABC-13110-SHP-00011-00	Mechanical Shop Drawings Of Cathodic Protection System for Karma Transmission Line KAR-1 (100-mm).	April 5, 2018	May 5, 2018	April 19, 2018	14	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
16	CW05-ABC-13110-SHP-00011-01	Mechanical Shop Drawings Of Cathodic Protection System for Karma Transmission Line KAR-1 (100-mm).	July 5, 2018	August 4, 2018	July 17, 2018	12	B
17	CW05-ABC-13110-SHP-00011-02	Mechanical Shop Drawings Of Cathodic Protection System for Karma Transmission Line KAR-1 (100-mm).	July 24, 2018	August 23, 2018	July 26, 2018	2	A
18	CW05-ABC-13110-SHP-00011-03	Mechanical Shop Drawings Of Cathodic Protection System for Karma Transmission Line KAR-1 (100-mm) (For Construction Copy)	August 1, 2018	August 31, 2018	August 6, 2018	5	A
19	CW05-ABC-13110-OMM-00012-00	Preliminary O&M Manual for Cathodic Protection - Volume 2 Section 10	July 31, 2018	August 30, 2018	August 8, 2018	8	B
20	CW05-ABC-13110-OMM-00012-01	Preliminary O&M Manual for Cathodic Protection - Volume 2 Section 10	August 9, 2018	September 8, 2018	August 15, 2018	6	A
Section 13191							
1	CW05-ABC-13191-SHP-00001-00	Level Indicator and Vents	February 4, 2018	March 6, 2018	February 25, 2018	21	B
2	CW05-ABC-13191-SHP-00001-01	Level Indicator and Vents	August 13, 2018	September 12, 2018	August 16, 2018	3	E
Section 13500							
1	CW05-ABC-13500-MAT-00001-00	Control and SCADA System Supplier Profile.	February 18, 2018	March 20, 2018	February 27, 2018	9	A
2	CW05-ABC-13500-MAT-00002-00	Manual Pressure Calibrator with Digital Calibration Gauge	May 7, 2018	June 6, 2018	May 23, 2018	16	A
Section 13530							
1	CW05-ABC-13530-MAT-00001-00	RTU Panel Drawings and Related Components	May 9, 2018	June 8, 2018	May 16, 2018	7	C
2	CW05-ABC-13530-MAT-00001-01	RTU Panel Drawings and Related Components	May 20, 2018	June 19, 2018	R	R	R
3	CW05-ABC-13530-MAT-00001-02	RTU Panel Drawings and Related Components	May 20, 2018	June 19, 2018	May 28, 2018	8	C
4	CW05-ABC-13530-MAT-00001-03	RTU Panel Drawings and Related Components	June 6, 2018	July 6, 2018	June 20, 2018	14	A
Section 13562							
1	CW05-ABC-13562-MAT-00001-00	GSM / GPRS Magnetic Flow Meter	February 19, 2018	March 21, 2018	March 8, 2018	17	B
2	CW05-ABC-13562-MAT-00001-01	GSM / GPRS Magnetic Flow Meter	May 20, 2018	June 19, 2018	May 27, 2018	7	A
3	CW05-ABC-13562-MAT-00002-00	Reservoir Magnetic Flow Meter	February 20, 2018	March 22, 2018	March 8, 2018	16	B
4	CW05-ABC-13562-MAT-00002-01	Reservoir Magnetic Flow Meter	June 10, 2018	July 10, 2018	July 2, 2018	22	E
5	CW05-ABC-13562-MAT-00003-00	Reservoir MODBUS Magnetic Flow Meter	April 30, 2018	May 30, 2018	May 27, 2018	27	A
Section 13563							
1	CW05-ABC-13563-MAT-00001-00	Reservoir Level Transmitter	March 29, 2018	April 28, 2018	April 5, 2018	7	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
2	CW05-ABC-13563-MAT-00001-01	Reservoir Level Transmitter	May 6, 2018	June 5, 2018	May 8, 2018	2	A
3	CW05-ABC-13563-MAT-00002-00	Reservoir Level Float Switch	April 12, 2018	May 12, 2018	April 19, 2018	7	A
4	CW05-ABC-13563-MAT-00003-00	Connection Chamber Pressure Transmitter	April 30, 2018	May 30, 2018	May 23, 2018	23	A
5	CW05-ABC-13563-MAT-00004-00	Karma Connection Chamber Differential Pressure Switch	May 22, 2018	June 21, 2018	May 28, 2018	6	C
6	CW05-ABC-13563-MAT-00004-01	Karma Connection Chamber Differential Pressure Switch	May 29, 2018	June 28, 2018	June 20, 2018	22	B
7	CW05-ABC-13563-MAT-00004-02	Karma Connection Chamber Differential Pressure Switch	July 24, 2018	August 23, 2018	July 30, 2018	6	E
8	CW05-ABC-13563-MAT-00005-00	Karma Connection Chamber Data Logger	May 22, 2018	June 21, 2018	May 28, 2018	6	C
9	CW05-ABC-13563-MAT-00005-01	Karma Connection Chamber Data Logger	May 29, 2018	June 28, 2018	June 20, 2018	22	B
10	CW05-ABC-13563-MAT-00005-02	Karma Connection Chamber Data Logger	July 24, 2018	August 23, 2018	July 30, 2018	6	E
11	CW05-ABC-13563-OMM-00006-00	Preliminary O&M Manual for Level Pressure Transmitter - Volume 2 Section 7D	August 19, 2018	September 18, 2018	August 26, 2018	7	A
Section 13566							
1	CW05-ABC-13566-MAT-00001-00	Reservoir Proximity Switch	April 22, 2018	May 22, 2018	April 24, 2018	2	A
Section 13590							
1	CW05-ABC-13590-MTD-00001-00	Radio Path Study	March 11, 2018	April 10, 2018	March 20, 2018	9	C
2	CW05-ABC-13590-MTD-00001-01	Radio Path Study	March 27, 2018	April 26, 2018	April 5, 2018	9	A
3	CW05-ABC-13590-MTD-00002-00	Karma Connection Chamber Coverage and Feasibility Study	March 21, 2018	April 20, 2018	April 11, 2018	21	C
4	CW05-ABC-13590-MTD-00002-01	Karma Connection Chamber Coverage and Feasibility Study	June 19, 2018	July 19, 2018	July 2, 2018	13	A
5	CW05-ABC-13590-MAT-00003-00	Radio Mast Antenna and Network Components	May 8, 2018	June 7, 2018	May 16, 2018	8	A
Section 15020							
1	CW05-ABC-15020-PQP-00001-00	GABI SHOEF – Nondestructive Testing Lab	November 9, 2017	December 9, 2017	November 16, 2017	7	A
2	CW05-ABC-15020-PQP-00002-00	MOREX– Nondestructive Testing Lab-Alternative	November 9, 2017	December 9, 2017	November 16, 2017	7	A
3	CW05-ABC-15020-MAT-00003-00	Anti-Seize Threads Lubricant.	November 9, 2017	December 9, 2017	November 16, 2017	7	A
4	CW05-ABC-15020-MAT-00004-00	Threaded Pipes Fiber Sealant & Primer.	December 5, 2017	January 4, 2018	December 27, 2017	22	A
5	CW05-ABC-15020-MAT-00005-00	Wall Penetration Modular Seal (Pen Seal).	December 17, 2017	January 16, 2018	January 3, 2018	17	C

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
6	CW05-ABC-15020-MAT-00005-01	Wall Penetration Modular Seal (Pen Seal).	January 31, 2018	March 2, 2018	February 4, 2018	4	A
7	CW05-ABC-15020-PQD-00006-00	Welder Qualifications - Fadi Shawabkeh	January 4, 2018	February 3, 2018	January 15, 2018	11	A
8	CW05-ABC-15020-MAT-00007-00	Sample for Stainless Steel 304 Insect Mesh for Chamber Vent.	June 20, 2018	July 20, 2018	June 25, 2018	5	A
9	CW05-ABC-15020-SHP-00008-00	Shop Drawings for Level Indicator and Vents / Revised	July 2, 2018	August 1, 2018	July 17, 2018	15	C
10	CW05-ABC-15020-SHP-00008-01	Shop Drawings for Level Indicator and Vents / Revised	July 22, 2018	August 21, 2018	July 23, 2018	1	B
11	CW05-ABC-15020-SHP-00008-02	Shop Drawings for Level Indicator and Vents / Revised	July 24, 2018	August 23, 2018	July 26, 2018	2	A
12	CW05-ABC-15020-PQD-00009-00	Welder Qualifications - Khalil Al Shawabkeh	July 9, 2018	August 8, 2018	July 18, 2018	9	A
Section 15062							
1	CW05-ABC-15062-PQP-00001-00	ARCEYES - For Testing and Qualification Welding Procedures and Welders.	November 9, 2017	December 9, 2017	November 23, 2017	14	A
2	CW05-ABC-15062-MAT-00002-00	Steel Flanges.	November 9, 2017	December 9, 2017	November 20, 2017	11	C
3	CW05-ABC-15062-MAT-00002-01	Steel Flanges.	November 26, 2017	December 26, 2017	December 4, 2017	8	A
4	CW05-ABC-15062-MTD-00003-00	Welding Procedure Specification (WPS's) & Procedure Qualification Records (PQR's) For Shop and Field Welds.	November 9, 2017	December 9, 2017	December 3, 2017	24	B
5	CW05-ABC-15062-MTD-00003-01	Welding Procedure Specification (WPS's) & Procedure Qualification Records (PQR's) For Shop and Field Welds.	December 6, 2017	January 5, 2018	December 14, 2017	8	A
6	CW05-ABC-15062-MAT-00004-00	Factory Made Fittings.	November 13, 2017	December 13, 2017	November 20, 2017	7	A
7	CW05-ABC-15062-MAT-00005-00	Heat Shrinkable Sheets and Tapes.	November 13, 2017	December 13, 2017	December 3, 2017	20	A
8	CW05-ABC-15062-MAT-00006-00	Dismantling Joints.	November 13, 2017	December 13, 2017	December 3, 2017	20	B
9	CW05-ABC-15062-MAT-00006-01	Dismantling Joints.	February 4, 2018	March 6, 2018	February 11, 2018	7	A
10	CW05-ABC-15062-MAT-00006-02	Dismantling Joints.	February 11, 2018	March 13, 2018	February 19, 2018	8	A
11	CW05-ABC-15062-MAT-00007-00	Water Steel Pipes.	November 16, 2017	December 16, 2017	November 29, 2017	13	B
12	CW05-ABC-15062-MAT-00007-01	Water Steel Pipes.	December 18, 2017	January 17, 2018	December 31, 2017	13	A
13	CW05-ABC-15062-MAT-00008-00	Dismantling Joints - Alternative	December 12, 2017	January 11, 2018	December 26, 2017	14	C
14	CW05-ABC-15062-MAT-00008-01	Dismantling Joints - Alternative	December 31, 2017	January 30, 2018	January 16, 2018	16	B
15	CW05-ABC-15062-MAT-00008-02	Dismantling Joints - Alternative	March 12, 2018	April 11, 2018	March 14, 2018	2	A
16	CW05-ABC-15062-MTD-00009-00	Method Statement for Mitered Bends Fabrication (ANSI/AWWA C-208).	December 31, 2017	January 30, 2018	January 18, 2018	18	B

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
17	CW05-ABC-15062-MTD-00009-01	Method Statement for Mitered Bends Fabrication (ANSI/AWWA C-208).	January 24, 2018	February 23, 2018	February 8, 2018	15	A
18	CW05-ABC-15062-PQD-00010-00	Qualifications of Certified Welding Inspector.	January 4, 2018	February 3, 2018	January 15, 2018	11	A
19	CW05-ABC-15062-SHP-00011-00	11.25 Degree Mitered Bends Fabrication for 3", 4" and 6" Pipelines.	January 4, 2018	February 3, 2018	January 16, 2018	12	A
20	CW05-ABC-15062-SHP-00012-00	Mechanical Shop Drawings for Karma Reservoir Vault.	January 31, 2018	March 2, 2018	February 26, 2018	26	C
21	CW05-ABC-15062-SHP-00012-01	Mechanical Shop Drawings for Karma Reservoir Vault.	April 15, 2018	May 15, 2018	April 24, 2018	9	B
22	CW05-ABC-15062-SHP-00012-02	Mechanical Shop Drawings for Karma Reservoir Vault.	May 21, 2018	June 20, 2018	June 5, 2018	15	A
23	CW05-ABC-15062-MAT-00013-00	Treated Stainless Steel Bolts, Washers, and Nuts	April 3, 2018	May 3, 2018	April 17, 2018	14	B
24	CW05-ABC-15062-MAT-00013-01	Treated Stainless Steel Bolts, Washers, and Nuts	April 22, 2018	May 22, 2018	April 24, 2018	2	A
25	CW05-ABC-15062-MAT-00014-00	Wall Sleeves with Puddle Flanges with Sample.	May 2, 2018	June 1, 2018	May 3, 2018	1	A
26	CW05-ABC-15062-PQD-00015-00	Certified Welding Inspector CWI (Balaji Gunasekaran)	August 16, 2018	September 15, 2018	August 27, 2018	11	A
Section 15064							
1	CW05-ABC-15064-MAT-00001-00	Stainless Steel Bolts, Washers and Nuts.	November 26, 2017	December 26, 2017	December 4, 2017	8	C
2	CW05-ABC-15064-MAT-00001-01	Stainless Steel Bolts, Washers and Nuts.	December 18, 2017	January 17, 2018	December 24, 2017	6	A
3	CW05-ABC-15064-MTD-00002-00	Stainless Steel Welding Procedure Specifications (WPS) & Welder Qualifications.	November 28, 2017	December 28, 2017	December 10, 2017	12	A
4	CW05-ABC-15064-MAT-00003-00	Stainless Steel Pipes, Fittings and Flanges	December 5, 2017	January 4, 2018	December 14, 2017	9	C
5	CW05-ABC-15064-MAT-00003-01	Stainless Steel Pipes, Fittings and Flanges	January 11, 2018	February 10, 2018	January 16, 2018	5	A
Section 15065							
1	CW05-ABC-15065-MAT-00001-00	Steel Bolts, Washers and nuts	November 6, 2017	December 6, 2017	November 20, 2017	14	C
2	CW05-ABC-15065-MAT-00001-01	Steel Bolts, Washers and nuts	November 22, 2017	December 22, 2017	November 23, 2017	1	A
3	CW05-ABC-15065-MAT-00002-00	Flange Gaskets	November 6, 2017	December 6, 2017	November 19, 2017	13	A
4	CW05-ABC-15065-MAT-00003-00	Vent Pipes for Chambers	November 6, 2017	December 6, 2017	November 19, 2017	13	A
5	CW05-ABC-15065-MAT-00004-00	Galvanized & Coated Steel pipes (2" and smaller).	November 9, 2017	December 9, 2017	December 3, 2017	24	C
6	CW05-ABC-15065-MAT-00004-01	Galvanized & Coated Steel pipes (2" and smaller).	December 3, 2017	January 2, 2018	December 5, 2017	2	A
7	CW05-ABC-15065-MAT-00005-00	Threaded Malleable Galvanized Fittings.	November 9, 2017	December 9, 2017	November 23, 2017	14	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
8	CW05-ABC-15065-SHP-00006-00	Mechanical Shop Drawings for Karma Service Connection	January 25, 2018	February 24, 2018	February 20, 2018	26	C
9	CW05-ABC-15065-SHP-00006-01	Mechanical Shop Drawings for Karma Service Connection	March 11, 2018	April 10, 2018	March 29, 2018	18	B
10	CW05-ABC-15065-SHP-00006-02	Mechanical Shop Drawings for Karma Service Connection	April 3, 2018	May 3, 2018	April 22, 2018	19	A
11	CW05-ABC-15065-SHP-00006-03	Mechanical Shop Drawings for Karma Service Connection (For Construction Copy)	April 22, 2018	May 22, 2018	April 24, 2018	2	A
12	CW05-ABC-15065-SHP-00007-00	Mechanical Shop Drawings for Karma Reservoir Yard Piping and Thimbles - Option 2	June 7, 2018	July 7, 2018	June 26, 2018	19	A
13	CW05-ABC-15065-SHP-00007-01	Mechanical Shop Drawings for Karma Reservoir Yard Piping and Thimbles - Option 2 (For Construction Copy)	August 1, 2018	August 31, 2018	August 8, 2018	7	A
Section 15067							
1	CW05-ABC-15067-MAT-00001-00	Under-Drain Perforated Pipe (Data and Sample).	February 1, 2018	March 3, 2018	February 20, 2018	19	B
2	CW05-ABC-15067-SHP-00002-00	Shop Drawing for Drain Piping for Karma Reservoir Retaining Walls.	March 13, 2018	April 12, 2018	March 22, 2018	9	B
3	CW05-ABC-15067-SHP-00002-01	Shop Drawing for Drain Piping for Karma Reservoir Retaining Walls (For Construction Copy).	July 4, 2018	August 3, 2018	July 11, 2018	7	A
4	CW05-ABC-15067-MAT-00003-00	Solid Wall Drain Pipes & Fittings	March 18, 2018	April 17, 2018	April 1, 2018	14	B
5	CW05-ABC-15067-MAT-00003-01	Solid Wall Drain Pipes & Fittings	April 3, 2018	May 3, 2018	April 16, 2018	13	A
6	CW05-ABC-15067-MAT-00004-00	80mm Drain Pipes & Fittings for Karma Reservoir	April 12, 2018	May 12, 2018	April 16, 2018	4	A
Section 15091							
1	CW05-ABC-15091-MAT-00001-00	Ball Valves.	November 26, 2017	December 26, 2017	December 21, 2017	25	C
2	CW05-ABC-15091-MAT-00001-01	Ball Valves.	January 29, 2018	February 28, 2018	February 4, 2018	6	A
3	CW05-ABC-15091-MAT-00002-00	Ball Valves for Strainers Drain	May 16, 2018	June 15, 2018	May 23, 2018	7	C
4	CW05-ABC-15091-MAT-00002-01	Ball Valves for Strainers Drain	June 12, 2018	July 12, 2018	June 26, 2018	14	E
5	CW05-ABC-15091-MAT-00003-00	Ball and Check Valves for Reservoirs	June 19, 2018	July 19, 2018	July 2, 2018	13	B
6	CW05-ABC-15091-MAT-00004-00	Ball and Check Valves for Reservoirs – Alternative	July 2, 2018	August 1, 2018	July 5, 2018	3	B
7	CW05-ABC-15091-OMM-00005-00	Preliminary O&M Manual for Ball Valve - Volume 2 Section 8C	July 31, 2018	August 30, 2018	August 8, 2018	8	B
8	CW05-ABC-15091-OMM-00005-01	Preliminary O&M Manual for Ball Valve - Volume 2 Section 8C	August 9, 2018	September 8, 2018	August 16, 2018	7	B
Section 15093							
1	CW05-ABC-15093-MAT-00001-00	Swing Check Valves.	December 31, 2017	January 30, 2018	January 15, 2018	15	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
2	CW05-ABC-15093-MAT-00002-00	Swing Check Valves – Alternative.	January 18, 2018	February 17, 2018	January 31, 2018	13	A
3	CW05-ABC-15093-MAT-00003-00	Swing Check Valve for Reservoir Valves Vault.	January 21, 2018	February 20, 2018	January 31, 2018	10	A
4	CW05-ABC-15093-MAT-00004-00	Raphael Swing Check Valves - Alternative	January 24, 2018	February 23, 2018	February 4, 2018	11	B
5	CW05-ABC-15093-MAT-00004-01	Raphael Swing Check Valves - Alternative	February 6, 2018	March 8, 2018	February 8, 2018	2	A
6	CW05-ABC-15093-OMM-00005-00	Preliminary O&M Manual for Check Valve - Volume 2 Section 8B	July 30, 2018	August 29, 2018	August 6, 2018	2	C
7	CW05-ABC-15093-OMM-00005-01	Preliminary O&M Manual for Check Valve - Volume 2 Section 8B	August 9, 2018	September 8, 2018	August 13, 2018	11	B
Section 15104							
1	CW05-ABC-15104-MAT-00001-00	GV2 Resilient Seated Gate Valves	December 12, 2017	January 11, 2018	December 27, 2017	15	C
2	CW05-ABC-15104-MAT-00001-01	GV2 Resilient Seated Gate Valves	January 23, 2018	February 22, 2018	February 4, 2018	12	B
3	CW05-ABC-15104-MAT-00001-02	GV2 Resilient Seated Gate Valves	February 6, 2018	March 8, 2018	February 19, 2018	13	B
4	CW05-ABC-15104-MAT-00001-03	GV2 Resilient Seated Gate Valves	March 22, 2018	April 21, 2018	April 1, 2018	10	A
5	CW05-ABC-15104-SHP-00002-00	Mechanical Shop Drawings for Gate Valve Chambers.	January 11, 2018	February 10, 2018	February 6, 2018	26	C
6	CW05-ABC-15104-SHP-00002-01	Mechanical Shop Drawings for Gate Valve Chambers.	February 13, 2018	March 15, 2018	February 27, 2018	14	C
7	CW05-ABC-15104-SHP-00002-02	Mechanical Shop Drawings for Gate Valve Chambers.	March 26, 2018	April 25, 2018	April 10, 2018	15	A
8	CW05-ABC-15104-SHP-00002-03	Mechanical Shop Drawings for Gate Valve Chambers (For Construction Copy)	August 1, 2018	August 31, 2018	August 6, 2018	5	A
9	CW05-ABC-15104-OMM-00003-00	Preliminary O&M Manual for Gate Valve - Volume 2 Section 8A	July 30, 2018	August 29, 2018	August 6, 2018	7	C
10	CW05-ABC-15104-OMM-00003-01	Preliminary O&M Manual for Gate Valve - Volume 2 Section 8A	August 9, 2018	September 8, 2018	August 15, 2018	6	A
Section 15108							
1	CW05-ABC-15108-MAT-00001-00	Combination Air Valves	December 14, 2017	January 13, 2018	December 31, 2017	17	B
2	CW05-ABC-15108-MAT-00001-01	Combination Air Valves	January 29, 2018	February 28, 2018	February 4, 2018	6	A
3	CW05-ABC-15108-SHP-00002-00	Shop Drawing for DN50 Combination Air Valve Chambers.	January 9, 2018	February 8, 2018	February 4, 2018	26	C
4	CW05-ABC-15108-SHP-00002-01	Shop Drawing for DN50 Combination Air Valve Chambers.	February 11, 2018	March 13, 2018	February 20, 2018	9	B
5	CW05-ABC-15108-SHP-00002-02	Shop Drawing for DN50 Combination Air Valve Chambers.	March 26, 2018	April 25, 2018	April 10, 2018	15	A
6	CW05-ABC-15108-SHP-00002-03	Shop Drawing for DN50 Combination Air Valve Chambers (For Construction Copy)	August 1, 2018	August 31, 2018	August 6, 2018	5	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
7	CW05-ABC-15108-MAT-00003-00	Combination Air valves - Alternative	January 24, 2018	February 23, 2018	February 4, 2018	11	A
8	CW05-ABC-15108-OMM-00004-00	Preliminary O&M Manual for Combination Air Valve - Volume 2 Section 8F	July 31, 2018	August 30, 2018	August 8, 2018	8	B
9	CW05-ABC-15108-OMM-00004-01	Preliminary O&M Manual for Combination Air Valve - Volume 2 Section 8F	August 9, 2018	September 8, 2018	August 15, 2018	11	A
Section 15130							
1	CW05-ABC-15130-MAT-00001-00	Pressure Gauges & Snubbers.	November 26, 2017	December 26, 2017	December 14, 2017	18	A
2	CW05-ABC-15130-MAT-00002-00	Pressure Range of Project pressure gauges	January 28, 2018	February 27, 2018	February 8, 2018	11	A
3	CW05-ABC-15130-MAT-00003-00	US Pressure gauges and Snubbers	March 4, 2018	April 3, 2018	March 15, 2018	11	B
4	CW05-ABC-15130-MAT-00003-01	US Pressure gauges and Snubbers	March 18, 2018	April 17, 2018	March 26, 2018	8	A
5	CW05-ABC-15130-OMM-00004-00	Preliminary O&M Manual for Pressure Gauges - Volume 2 Section 8E	July 31, 2018	August 30, 2018	August 8, 2018	8	B
6	CW05-ABC-15130-OMM-00004-01	Preliminary O&M Manual for Pressure Gauges - Volume 2 Section 8E	August 12, 2018	September 11, 2018	August 15, 2018	3	A
Section 15140							
1	CW05-ABC-15140-MAT-00001-00	Adjustable Pipe Support.	January 8, 2018	February 7, 2018	January 31, 2018	23	C
2	CW05-ABC-15140-MAT-00001-01	Adjustable Pipe Support.	February 11, 2018	March 13, 2018	February 19, 2018	8	C
3	CW05-ABC-15140-MAT-00001-02	Adjustable Pipe Support.	March 5, 2018	April 4, 2018	March 19, 2018	14	B
4	CW05-ABC-15140-MAT-00001-03	Adjustable Pipe Support.	June 13, 2018	July 13, 2018	July 2, 2018	19	A
5	CW05-ABC-15140-MAT-00002-00	Pipe Wall Clamps	February 13, 2018	March 15, 2018	February 19, 2018	6	C
6	CW05-ABC-15140-MAT-00002-01	Pipe Wall Clamps	March 27, 2018	April 26, 2018	April 16, 2018	20	A
7	CW05-ABC-15140-MAT-00003-00	Fabrication Drawings for Pipe Hanger of Elevated Reservoir	April 23, 2018	May 23, 2018	May 17, 2018	24	C
8	CW05-ABC-15140-MAT-00003-01	Fabrication Drawings for Pipe Hanger of Elevated Reservoir	August 2, 2018	September 1, 2018	August 12, 2018	10	C
9	CW05-ABC-15140-MAT-00003-02	Fabrication Drawings for Pipe Hanger of Elevated Reservoir	August 27, 2018	September 26, 2018	August 28, 2018	1	A
10	CW05-ABC-15140-MAT-00004-00	Pipe Support M-109	July 30, 2018	August 29, 2018	August 1, 2018	2	A
11	CW05-ABC-15140-MAT-00005-00	Elbow Support for Elevated Reservoirs	August 19, 2018	September 18, 2018	August 28, 2018	9	B
12	CW05-ABC-15140-MAT-00006-00	Wall Clamp Sample for Pre-Paid Water Meters.	August 19, 2018	September 18, 2018	August 29, 2018	10	C
13	CW05-ABC-15140-MAT-00006-01	Wall Clamp Sample for Pre-Paid Water Meters.	August 29, 2018	September 28, 2018	P	P	P

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
14	CW05-ABC-15140-MAT-00007-00	Adjustable Jack Support M-108.	August 26, 2018	September 25, 2018	P	P	P
Section 15217							
1	CW05-ABC-15217-MAT-00001-00	CLA-VAL Flow Control Valve	February 4, 2018	March 6, 2018	February 20, 2018	16	C
2	CW05-ABC-15217-MAT-00001-01	CLA-VAL Flow Control Valves	March 11, 2018	April 10, 2018	March 26, 2018	15	B
3	CW05-ABC-15217-MAT-00001-02	CLA-VAL Flow Control Valves	April 12, 2018	May 12, 2018	April 17, 2018	5	A
4	CW05-ABC-15217-MAT-00002-00	CLA-VAL Pressure Reducing Valves	February 4, 2018	March 6, 2018	February 20, 2018	16	C
5	CW05-ABC-15217-MAT-00002-01	CLA-VAL Pressure Reducing Valves	March 11, 2018	April 10, 2018	March 26, 2018	15	A
6	CW05-ABC-15217-MAT-00003-00	CLA-VAL Altitude Control Valve	February 8, 2018	March 10, 2018	February 25, 2018	17	C
7	CW05-ABC-15217-MAT-00003-01	CLA-VAL Altitude Control Valve	March 27, 2018	April 26, 2018	April 16, 2018	20	B
8	CW05-ABC-15217-MAT-00003-02	CLA-VAL Altitude Control Valve	April 19, 2018	May 19, 2018	April 24, 2018	5	A
9	CW05-ABC-15217-OMM-00004-00	Preliminary O&M Manual for Pressure Reducing Valve - Volume 2 Section 9A	July 31, 2018	August 30, 2018	August 8, 2018	8	B
10	CW05-ABC-15217-OMM-00004-01	Preliminary O&M Manual for Pressure Reducing Valve - Volume 2 Section 9A	August 9, 2018	September 8, 2018	August 15, 2018	6	A
11	CW05-ABC-15217-OMM-00005-00	Preliminary O&M Manual for Flow Control Valve - Volume 2 Section 9B	July 31, 2018	August 30, 2018	August 6, 2018	6	B
12	CW05-ABC-15217-OMM-00005-01	Preliminary O&M Manual for Flow Control Valve - Volume 2 Section 9B	August 8, 2018	September 7, 2018	August 13, 2018	5	A
13	CW05-ABC-15217-OMM-00006-00	Preliminary O&M Manual for Altitude Control Valve - Volume 2 Section 9C	July 31, 2018	August 30, 2018	August 8, 2018	8	B
14	CW05-ABC-15217-OMM-00006-01	Preliminary O&M Manual for Altitude Control Valve - Volume 2 Section 9C	August 9, 2018	September 8, 2018	August 15, 2018	6	A
Section 15400							
1	CW05-ABC-15400-MAT-00001-00	Hose Bibb and Rack for Reservoirs	April 29, 2018	May 29, 2018	May 21, 2018	22	C
2	CW05-ABC-15400-MAT-00001-01	Hose Bibb and Rack for Reservoirs	July 3, 2018	August 2, 2018	July 5, 2018	2	E
3	CW05-ABC-15400-MAT-00002-00	Rotary Vent for Valves Rooms of Elevated Reservoirs.	May 1, 2018	May 31, 2018	May 23, 2018	22	A
4	CW05-ABC-15400-MAT-00003-00	Yard Hydrants for Reservoirs.	June 12, 2018	July 12, 2018	July 2, 2018	20	A
Section 15450							
1	CW05-ABC-15450-MAT-00001-00	Flanged Strainers.	November 14, 2017	December 14, 2017	November 25, 2017	11	B
2	CW05-ABC-15450-MAT-00001-01	Flanged Strainers.	December 5, 2017	January 4, 2018	December 21, 2017	16	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
3	CW05-ABC-15450-MAT-00002-00	Flanged Strainers - Alternative	December 12, 2017	January 11, 2018	December 26, 2017	14	C
4	CW05-ABC-15450-MAT-00002-01	Flanged Strainers - Alternative	December 31, 2017	January 30, 2018	January 15, 2018	15	B
5	CW05-ABC-15450-MAT-00002-02	Flanged Strainers - Alternative	March 4, 2018	April 3, 2018	March 8, 2018	4	A
6	CW05-ABC-15450-OMM-00003-00	Preliminary O&M Manual for Strainer - Volume 2 Section 8D	July 31, 2018	August 30, 2018	August 8, 2018	8	B
7	CW05-ABC-15450-OMM-00003-01	Preliminary O&M Manual for Strainer - Volume 2 Section 8D	August 9, 2018	September 8, 2018	August 13, 2018	4	A
Section 16050							
1	CW05-ABC-16050-MAT-00001-00	Earthing System.	December 14, 2017	January 13, 2018	December 21, 2017	7	B
2	CW05-ABC-16050-MAT-00001-01	Earthing System.	January 18, 2018	February 17, 2018	January 22, 2018	4	A
3	CW05-ABC-16050-MAT-00002-00	LV Power Cable.	December 14, 2017	January 13, 2018	December 21, 2017	7	A
4	CW05-ABC-16050-MAT-00003-00	Cable Termination.	December 14, 2017	January 13, 2018	December 21, 2017	7	A
5	CW05-ABC-16050-MAT-00004-00	Electrical PVC Conduits.	December 14, 2017	January 13, 2018	December 21, 2017	7	A
6	CW05-ABC-16050-MAT-00005-00	Electrical Exposed Conduits.	December 14, 2017	January 13, 2018	December 21, 2017	7	B
7	CW05-ABC-16050-MAT-00005-01	Electrical Exposed Conduits.	January 18, 2018	February 17, 2018	January 22, 2018	4	A
8	CW05-ABC-16050-MAT-00006-00	Instruments and Control Cable.	December 14, 2017	January 13, 2018	December 21, 2017	7	B
9	CW05-ABC-16050-MAT-00006-01	Instruments and Control Cable.	January 18, 2018	February 17, 2018	January 22, 2018	4	A
10	CW05-ABC-16050-MAT-00007-00	Lighting Fixtures.	December 14, 2017	January 13, 2018	December 21, 2017	7	A
11	CW05-ABC-16050-MAT-00008-00	Wiring Device.	December 14, 2017	January 13, 2018	December 21, 2017	7	A
12	CW05-ABC-16050-MAT-00009-00	Main Distribution Board.	December 17, 2017	January 16, 2018	December 21, 2017	4	B
13	CW05-ABC-16050-MAT-00009-01	Main Distribution Board.	January 18, 2018	February 17, 2018	January 22, 2018	4	A
14	CW05-ABC-16050-MAT-00010-00	Beacon Light System.	December 26, 2017	January 25, 2018	December 27, 2017	1	A
15	CW05-ABC-16050-SHP-00011-00	Electrical Shop Drawings for 500 m ³ Elevated Reservoir Earthing System	March 13, 2018	April 12, 2018	March 19, 2018	6	B
16	CW05-ABC-16050-SHP-00011-01	Electrical Shop Drawings for 500 m ³ Elevated Reservoir Earthing System	March 20, 2018	April 19, 2018	March 20, 2018	0	A
17	CW05-ABC-16050-SHP-00012-00	Electrical Shop Drawings for Karma Reservoir-Electrical Raceways	March 19, 2018	April 18, 2018	March 20, 2018	1	B
18	CW05-ABC-16050-SHP-00012-01	Electrical Shop Drawings for Karma Reservoir-Electrical Raceways	March 21, 2018	April 20, 2018	March 26, 2018	5	A

No.	Submittal No.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Status
19	CW05-ABC-16050-SHP-00013-00	Electrical Shop Drawings for Karma Service Connection Chamber	May 16, 2018	June 15, 2018	May 17, 2018	1	A
20	CW05-ABC-16050-MAT-00014-00	Hdpe Conduit Sample for Service Connection Chambers Antennas	May 16, 2018	June 15, 2018	May 17, 2018	1	A
21	CW05-ABC-16050-OMM-00015-00	Preliminary O&M Manual for Cables (Volume 2 Section 1) and Lighting Fixtures (Volume 2 Section 2)	July 26, 2018	August 25, 2018	August 16, 2018	21	A
Section 16670							
1	CW05-ABC-16670-MAT-00001-00	Lightning Protection System	April 12, 2018	May 12, 2018	April 22, 2018	10	C
2	CW05-ABC-16670-MAT-00001-01	Lightning Protection System	May 28, 2018	June 27, 2018	June 20, 2018	23	B
Section JS							
1	CW05-ABC-JS004030-MAT-00001-00	Asphalt Mix Design – Roots	May 13, 2018	June 12, 2018	May 23, 2018	10	B
2	CW05-ABC-JS004030-MAT-00001-01	Asphalt Mix Design – Roots	July 4, 2018	August 3, 2018	July 11, 2018	7	A
3	CW05-ABC-JS004030-MAT-00002-00	Asphalt Mix Design – A'mal	May 13, 2018	June 12, 2018	May 23, 2018	10	B
4	CW05-ABC-JS004030-MAT-00002-01	Asphalt Mix Design – A'mal	July 4, 2018	August 3, 2018	July 11, 2018	7	A



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WEST BANK/GAZA

ANNEXE H
Site Memorandums Log



USAID WEST BANK/GAZA
LOCAL CONSTRUCTION PROGRAM (LCP)
CONTRACT NO. AID-294-I-13-00003
TO-17-00001 (CW05) KARMA WATER PROJECT
SITE MEMOS LOG CMC-ABC

No.	SM No.	SM Description	Received Date	Type
1	CW05-ATS-FLM-ABC-00001	Protective Coating for Buried Concrete Elements.	December 26, 2017	Site Instruction
2	CW05-ATS-FLM-ABC-00002	Revised Pavement Repair and Restoration Per Actual Site Conditions.	December 26, 2017	Site Instruction
3	CW05-ATS-FLM-ABC-00003	Over Excavation under Foundation of the Retaining Walls (Unauthorized Excavation)	December 31, 2017	Record of Unsatisfactory Work Practice
4	CW05-ATS-FLM-ABC-00004	Over Excavation under Foundation of the Retaining Walls.	January 3, 2018	Record of Unsatisfactory Work Practice
5	CW05-ATS-FLM-ABC-00005	Over Excavation under Foundation of the Retaining Walls.	January 11, 2018	Record of Unsatisfactory Work Practice
6	CW05-ATS-FLM-ABC-00006	Revised Detail Drawings for Retaining Walls at the Northern-East Side of Karma Reservoir.	January 17, 2018	Site Instruction
7	CW05-ATS-FLM-ABC-00007	Unsafe Conditions Observed at Network Pipeline Works.	January 17, 2018	Record of Unsafe Condition
8	CW05-ATS-FLM-ABC-00008	Third-Party Test Report - Satisfactory Test Results	January 21, 2018	Other
9	CW05-ATS-FLM-ABC-00009	Third-Party Test Report - Satisfactory Test Results	January 31, 2018	Other
10	CW05-ATS-FLM-ABC-00010	Changes in Mechanical Requirements	February 21, 2018	Site Instruction
11	CW05-ATS-FLM-ABC-00011	Unsafe Conditions Observed at Network Pipeline Works & Reservoir Site	March 5, 2018	Record of Unsafe Condition
12	CW05-ATS-FLM-ABC-00012	Third-Party Test Report - Satisfactory Test Results	March 14, 2018	Other
13	CW05-ATS-FLM-ABC-00013	Third-Party Test Report - Satisfactory Test Results	April 10, 2018	Other
14	CW05-ATS-FLM-ABC-00014	Non-Complying Backfilling Materials at Karma Reservoir	April 10, 2018	Record of Non Quality Compliance
15	CW05-ATS-FLM-ABC-00015	Third-Party Test Report - Satisfactory Test Results	April 30, 2018	Other
16	CW05-ATS-FLM-ABC-00016	Third-Party Test Report - Satisfactory Test Results	May 16, 2018	Other

No.	SM No.	SM Description	Received Date	Type
17	CW05-ATS-FLM-ABC-00017	Non-Complying Concrete Compressive Strength Test Result	May 30, 2018	Record of Non Quality Compliance
18	CW05-ATS-FLM-ABC-00018	Non-Complying Concrete Compressive Strength Test Result	May 31, 2018	Record of Non Quality Compliance
19	CW05-ATS-FLM-ABC-00019	Third-Party Test Report - Satisfactory Test Results	June 11, 2018	Other
20	CW05-ATS-FLM-ABC-00020	Third-Party Test Report - Satisfactory Test Results	July 18, 2018	Other
21	CW05-ATS-FLM-ABC-00021	Third-Party Test Report - Satisfactory Test Results	July 18, 2018	Other
22	CW05-ATS-FLM-ABC-00022	Third-Party Test Report - Satisfactory Test Results	July 23, 2018	Other
23	CW05-ATS-FLM-ABC-00023	Third-Party Test Report - Satisfactory Test Results	July 23, 2018	Other
24	CW05-ATS-FLM-ABC-00024	Concrete Work for Manholes' Cover Adjustment	July 25, 2018	Record of Unsatisfactory Work Practice
25	CW05-ATS-FLM-ABC-00025	Combination Air Valve Concrete Chamber at (Sta.0+037 - KAR-03 Pipeline)	July 26, 2018	Site Instruction
26	CW05-ATS-FLM-ABC-00026	Trench and Road Reinstatement	July 26, 2018	Record of Joint Walkthrough
27	CW05-ATS-FLM-ABC-00027	Third-Party Test Report - Satisfactory Test Results	August 1, 2018	Other
28	CW05-ATS-FLM-ABC-00028	Unsatisfactory Practice of Concrete Placing and Finishing of Walls at Karma Elevated Reservoir.	August 9, 2018	Record of Unsatisfactory Work Practice/Record of Non Quality Compliance
29	CW05-ATS-FLM-ABC-00029	Project Permanent Signs Change.	August 16, 2018	Site Instruction



USAID WEST BANK/GAZA
 LOCAL CONSTRUCTION PROGRAM (LCP)
 CONTRACT NO. AID-294-I-13-00003
 TO-17-00001 (CW05) KARMA WATER PROJECT
 SITE MEMOS LOG ABC-CMC

No.	SM No.	SM Description	Sent Date	Type
1	CW05-ABC-FLM-ATS-00001	Differing Site Conditions	December 20, 2017	Record of Joint Walkthrough
2	CW05-ABC-FLM-ATS-00002	Remedy Plan for Over Excavated Sections of the Retaining Wall.	January 2, 2018	Record of Unsatisfactory Work Practice
3	CW05-ABC-FLM-ATS-00003	Remedy Plan for Over Excavated Sections of the Retaining Wall.	January 10, 2018	Record of Unsatisfactory Work Practice
4	CW05-ABC-FLM-ATS-00004	Unsafe Conditions Observed at Network Pipeline Works.	January 21, 2018	Record of Unsafe Condition
5	CW05-ABC-FLM-ATS-00005	Unsafe Conditions Observed at Network Pipeline Works & Reservoir Site	March 6, 2018	Record of Unsafe Condition
6	CW05-ABC-FLM-ATS-00006	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00014	April 15, 2018	Record of Non Quality Compliance
7	CW05-ABC-FLM-ATS-00007	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00017	July 11, 2018	Record of Non Quality Compliance
8	CW05-ABC-FLM-ATS-00008	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00018	July 11, 2018	Record of Non Quality Compliance
9	CW05-ABC-FLM-ATS-00009	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00024	July 29, 2018	Other
10	CW05-ABC-FLM-ATS-00010	Response to CMC Site Memorandum CW05-ATS-FLM-ABC-00028	August 12, 2018	Other



ANNEXE I
Requests for Information Log

USAID WEST BANK/GAZA
LOCAL CONSTRUCTION PROGRAM (LCP)
CONTRACT NO. AID-294-I-13-00003
TO-17-00001 (CW05) KARMA WATER PROJECT
REQUEST FOR INFORMATION LOG

No.	RFI No.	RFI Description	Submitted Date	Contract Due Date	Response Date	Review Days
1	CW05-ABC-RFI-ATS-00001	Trench Width Modifications For 2" Pipelines.	November 12, 2017	December 12, 2017	November 19, 2017	7
2	CW05-ABC-RFI-ATS-00002	Karma Reservoir Retaining Walls.	December 3, 2017	January 2, 2018	December 19, 2017	16
3	CW05-ABC-RFI-ATS-00003	Standardization of Valves and Fittings Pressure ratings & End Flanges	December 19, 2017	January 18, 2018	December 26, 2017	7
4	CW05-ABC-RFI-ATS-00004	Pre-Paid Water Meter Assembly Unit	January 18, 2018	February 17, 2018	January 30, 2018	12
5	CW05-ABC-RFI-ATS-00005	Position indicators for Gate Valves	January 18, 2018	February 17, 2018	February 6, 2018	19
6	CW05-ABC-RFI-ATS-00006	Bolts of Flanged Joints	February 11, 2018	March 13, 2018	February 21, 2018	10
7	CW05-ABC-RFI-ATS-00007	Manholes' Cover and Frame	April 9, 2018	May 9, 2018	April 23, 2018	14
8	CW05-ABC-RFI-ATS-00008	Electromagnetic Flow Meters	April 30, 2018	May 30, 2018	May 13, 2018	13
9	CW05-ABC-RFI-ATS-00009	Project Spare Parts	May 6, 2018	June 5, 2018	May 9, 2018	3
10	CW05-ABC-RFI-ATS-00010	Base Course Reinstatement	August 2, 2018	September 1, 2018	August 13, 2018	11



ANNEXE J
Received Materials - Equipment Log

TO 17-00001 (CW05) KARMA WATER PROJECT

EQUIPMENT LOG

Date	Description	Qty.	Hours	Quantity Idle
August 1, 2018	Wheel Excavator	1.00	9.00	
	3CX JCB	1.00	9.00	
	Water Tank	1.00	3.00	
	Safety Car	1.00	9.00	
	Truck	1.00	9.00	
	Crane	1.00	9.00	
August 2, 2018	Wheel Excavator	1.00	9.00	
	3CX JCB	1.00	9.00	
	Welding M/C	1.00	9.00	
	Safety Car	1.00	9.00	
	Truck	1.00	9.00	
August 4, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
	Truck	1.00	10.00	
August 5, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
	Truck	1.00	10.00	
August 6, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
	Truck	1.00	10.00	
August 7, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 8, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 9, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 11, 2018	3CX JCB	1.00	9.00	
	Safety Car	1.00	9.00	
August 12, 2018	3CX JCB	1.00	9.00	
	Safety Car	1.00	9.00	
August 13, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 14, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 15, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 16, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
	Truck	1.00	10.00	
August 18, 2018	3CX JCB	1.00	10.00	
	Safety Car	1.00	10.00	
August 19, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	
	Bobcat	1.00	8.00	
August 25, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	
August 26, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	

TO 17-00001 (CW05) KARMA WATER PROJECT
EQUIPMENT LOG

Date	Description	Qty.	Hours	Quantity Idle
August 27, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	
August 28, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	
August 29, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	
August 30, 2018	3CX JCB	1.00	8.00	
	Safety Car	1.00	8.00	

TO 17-00001 (CW05) KARMA WATER PROJECT

RECEIVED MATERIALS LOG

Date	Description	Qty	Location
August 1, 2018	No delivered Materials		
August 2, 2018	No delivered Materials		
August 4, 2018	No delivered Materials		
August 5, 2018	No delivered Materials		
August 6, 2018	Concrete A1-35 Mpa	68 Cu.M	Reservoir Walls
August 7, 2018	No delivered Materials		
August 8, 2018	Steel Bars	6 Ton	Reservoir Top Slab
August 9, 2018	No delivered Materials		
August 11, 2018	No delivered Materials		
August 12, 2018	No delivered Materials		
August 13, 2018	No delivered Materials		
August 14, 2018	No delivered Materials		
August 15, 2018	No delivered Materials		
August 16, 2018	Backfilling materials - Single size	20 Cu.m	Precast manholes
	Backfilling materials - Base course	20 Cu.m	Precast manholes
	Backfilling materials - Somsom	20 Cu.m	Precast manholes
August 18, 2018	Backfilling materials - Single size	20 Cu.m	Precast manholes
	Backfilling materials - Base course	20 Cu.m	Precast manholes
	Backfilling materials - Somsom	20 Cu.m	Precast manholes
	Concrete A1-35 Mpa	37 Cu.M	Reservoir top slab and staircase
August 19, 2018	No delivered Materials		
August 25, 2018	No delivered Materials		
August 26, 2018	No delivered Materials		
August 27, 2018	No delivered Materials		
August 28, 2018	No delivered Materials		
August 29, 2018	Backfilling materials - Single size	40 Cu.m	KAR-19
	Backfilling materials - Base course	20 Cu.m	KAR-19
	Backfilling materials - Somsom	20 Cu.m	KAR-19
August 30, 2018	Backfilling materials - Single size	20 Cu.m	KAR-19
	Backfilling materials - Base course	20 Cu.m	KAR-19
	Backfilling materials - Somsom	20 Cu.m	KAR-19



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WEST BANK/GAZA

ANNEXE K

Payments Log



USAID WEST BANK/GAZA
 LOCAL CONSTRUCTION PROGRAM (LCP)
 CONTRACT NO. AID-294-I-13-00003
 TO-17-00001 (CW05) KARMA WATER PROJECT
 PROGRESS PAYMENT LOG

No.	Payment No.	Invoiced Amount (\$)	Retension Amount (\$)	Cumulative Invoiced (\$)	Task Order Amount (\$)	Remaining Amount (\$)	Percentage Billed	Submitted Date
1	CW05-ABC-PPR-00001	\$ 101,187.58	\$ -	\$ 101,187.58	\$ 2,693,673.87	\$ 2,592,486.29	3.76%	December 20, 2017
2	CW05-ABC-PPR-00002	\$ 132,347.33	\$ -	\$ 233,534.91	\$ 2,693,673.87	\$ 2,460,138.96	8.67%	February 4, 2018
3	CW05-ABC-PPR-00003	\$ 372,224.67	\$ -	\$ 605,759.58	\$ 2,693,673.87	\$ 2,087,914.29	22.49%	March 28, 2018
4	CW05-ABC-PPR-00004	\$ 201,487.49	\$ -	\$ 807,247.07	\$ 2,693,673.87	\$ 1,886,426.80	29.97%	April 29, 2018
5	CW05-ABC-PPR-00005	\$ 40,682.41	\$ -	\$ 847,929.48	\$ 2,693,673.87	\$ 1,845,744.39	31.48%	May 13, 2018
6	CW05-ABC-PPR-00006	\$ 75,584.78	\$ -	\$ 923,514.26	\$ 2,693,673.87	\$ 1,770,159.61	34.28%	June 13, 2018
7	CW05-ABC-PPR-00007	\$ 99,044.53	\$ -	\$ 1,022,558.79	\$ 2,693,673.87	\$ 1,671,115.08	37.96%	July 30, 2018
8	CW05-ABC-PPR-00008	\$ 45,940.57	\$ -	\$ 1,068,499.36	\$ 2,693,673.87	\$ 1,625,174.51	39.67%	August 15, 2018



ANNEXE L
Change Order Requests Log

USAID WEST BANK/GAZA
 LOCAL CONSTRUCTION PROGRAM (LCP)
 CONTRACT NO. AID-294-I-13-00003
 TO-17-00001 (CW05) KARMA WATER PROJECT
 CHANGE ORDER REQUESTS LOG

No.	COR No.	COR Description	COR Cost (\$)	COR Time (Calendar Day)	Submitted Date	Response Date	Review Period
1	CW05-ABC-COR-ATS-00001	Revised Pavement Repair and Restoration per Actual Site Conditions.	\$ 210,881.00	=	January 8, 2018	Retracted on January 09, 2018	
2	CW05-ABC-COR-ATS-00001	Revised Pavement Repair and Restoration per Actual Site Conditions.	\$ 210,881.00	-	January 10, 2018	January 16, 2018	6
3	CW05-ABC-COR-ATS-00002	Revised Pavement Repair and Restoration per Actual Site Conditions-Breakdown Analysis.	\$ 198,621.00	-	January 25, 2018	February 11, 2018	17
4	CW05-ABC-COR-ATS-00003	Applying two coats of bituminous coating as a protective coating for the buried concrete elements (Reservoir foundation and buried elements of the retaining walls)	\$ 12,350.00	-	January 25, 2018	February 11, 2018	17
5	CW05-ABC-COR-ATS-00004	The Use of Pre-Paid Water Meter Assembly Unit in lieu of Volumetric Water Meter.	\$ 14,914.70	-	February 4, 2018	February 21, 2018	17
6	CW05-ABC-COR-ATS-00005	The Use of Pre-Paid Water Meter Assembly Unit in lieu of Volumetric Water Meter.	\$ 10,936.40	-	February 8, 2018	February 21, 2018	13
7	CW05-ABC-COR-ATS-00006	Upgrade the Flanged Joints' Bolts to Strain Hardened SS316 (B8M Class2).	\$ 3,348.22	-	February 25, 2018	March 11, 2018	14
8	CW05-ABC-COR-ATS-00007	Upgrade the Flanged Joints' Bolts to Strain Hardened SS316 (B8M Class2).	\$ 3,333.42	-	March 6, 2018	March 11, 2018	5
9	CW05-ABC-COR-ATS-00008	Cost Time Extension due to Changes in the Retaining Walls at the Reservoir's Site.	\$ 165,761.74	42	March 6, 2018	March 8, 2018	2
10	CW05-ABC-COR-ATS-00009	Changes in Mechanical Requirements.	\$ 1,015.00	-	March 7, 2018	April 1, 2018	25
11	CW05-ABC-COR-ATS-00010	Upgrade the Flanged Joints' Bolts to Strain Hardened SS316 (B8M Class2).	\$ 2,833.42	-	March 11, 2018	March 15, 2018	4
12	CW05-ABC-COR-ATS-00011	Changes in Mechanical Requirements.	\$ 5,350.00	-	June 7, 2018	June 24, 2018	17
13	CW05-ABC-COR-ATS-00012	Changes in Electromagnetic Flow Meters from GPRS System to SMS.	\$ 815.00	17	June 19, 2018	Retracted on June 19, 2018	R
14	CW05-ABC-COR-ATS-00012	Changes in Electromagnetic Flow Meters from GPRS System to SMS.	\$ 815.00	17	June 21, 2018	July 17, 2018	26
15	CW05-ABC-COR-ATS-00013	Changes to Combination Air Vent Chamber	\$ (534.00)	-	August 16, 2018	August 27, 2018	11
16	CW05-ABC-COR-ATS-00014	Concrete Protection	\$ 3,500.00	-	August 16, 2018	August 27, 2018	11
17	CW05-ABC-COR-ATS-00015	Changes to Combination Air Vent Chamber.	\$ (750.00)	-	August 28, 2018		
18	CW05-ABC-COR-ATS-00016	Concrete Protection.	\$ 3,200.00	-	August 28, 2018		



ANNEXE M

Change Orders Log



USAID WEST BANK/GAZA
 LOCAL CONSTRUCTION PROGRAM (LCP)
 CONTRACT NO. AID-294-I-13-00003
 TO-17-00001 (CW05) KARMA WATER PROJECT
 CHANGE ORDER LOG

No.	Change Order No.	Change Order Description	Cost (\$)	Time Extension (Calendar Days)	Previous BOQ Items	Current BOQ Items	Previous Day Work	Current Day Work	Previous Completion Date	Current Completion Date	Date Signed By ABC	Date Signed By USAID COR
1	Change Order #001	Trench Pavement Reinstatement to Match Actual Site Conditions, Supply and Apply Two Coats of Bituminous Coating for All Buried Concrete Elements, Revised Detail Drawings for Retaining Wall Segments at the Eastern and the North-Eastern Side of the Reservoir, Multi-Jet Water Meters Class C in Lieu of Volumetric Type Class D Pre-Payment Water Meters, New Project Definitive Quantities, and Time Extension.	\$65,185.34	42	\$2,393,673.87	\$2,458,859.21	\$300,000.00	\$234,814.66	September 2, 2018	October 14, 2018	February 27, 2018	February 28, 2018
2	Change Order #002	Upgrade the Flanged Joints Bolts to Strain Hardened SS316 (B8M Class 2), Changes in Mechanical Requirements, Changes in Electromagnetic Flowmeters, New Project Definitive Quantities, and Time Extension.	\$3,636.49	17	\$2,458,859.21	\$2,462,495.70	\$234,814.66	\$231,178.17	October 14, 2018	October 31, 2018	July 10, 2018	July 16, 2018



ANNEXE N
Contract Modifications Log

USAID WEST BANK/GAZA
 LOCAL CONSTRUCTION PROGRAM (LCP)
 CONTRACT NO. AID-294-I-13-00003
 TO-17-00001 (CW05) KARMA WATER PROJECT
 CONTRACT MODIFICATION LOG

No.	Contract Modification No.	Contract Modification Description	Cost (\$)	Time Extension (Calendar Days)	Previous BOQ Items	Current BOQ Items	Previous Day Work	Current Day Work	Previous Completion Date	Current Completion Date	Date Signed By ABC	Date Signed By USAID	Status
1	Contract Modification #001	Change to USAID COR	\$0.00	0	\$2,393,673.87	\$2,393,673.87	\$300,000.00	\$300,000.00	September 2, 2018	September 2, 2018	NA	February 7, 2018	Approved
2	Contract Modification #002	Trench Pavement Reinstatement to Match Actual Site Conditions, Supply and Apply Two Coats of Bituminous Coating for All Buried Concrete Elements, Revised Detail Drawings for Retaining Wall Segments at the Eastern and the North-Eastern Side of the Reservoir, Multi-Jet Water Meters Class C in Lieu of Volumetric Type Class D Pre-Payment Water Meters, New Project Definitive Quantities, and Time Extension.	\$65,185.34	42	\$2,393,673.87	\$2,458,859.21	\$300,000.00	\$234,814.66	September 2, 2018	October 14, 2018	March 11, 2018	March 12, 2018	Approved
3	Contract Modification #003	Upgrade the Flanged Joints Bolts to Strain Hardened SS316 (B8M Class 2), Changes in Mechanical Requirements, Changes to Manholes' Covers, Changes in Electromagnetic Flowmeters, New Project Definitive Quantities, and Time Extension.	\$3,636.49	17	\$2,458,859.21	\$2,462,495.70	\$234,814.66	\$231,178.17	October 14, 2018	October 31, 2018	August 15, 2018	August 15, 2018	Approved



ANNEXE O

Planned versus Actual S-Curve

Construction Progress S-Curve

Total Contract Value (Original): 2,462,495.70 \$
 Day Work: 231,178.17 \$
 Project Duration: 374 Calendar Day
 NTP Date: 23 October 2017
 End Date: 31 October 2018

	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	15-Aug-18	31-Aug-18	Sep-18	Oct-18	Total
Planned Value Baseline (Interval)	12,434.67	51,811.13	76,211.34	100,438.03	389,016.78	206,754.78	189,629.13	141,442.07	96,705.31	82,114.77	79,568.39	256,298.23	744,274.19	35,796.88	2,462,495.70
% Planned (Interval)	0.50%	2.10%	3.09%	4.08%	15.80%	8.40%	7.70%	5.74%	3.93%	3.33%	3.23%	10.41%	30.22%	1.45%	100%
Planned Value (CUM)	12,434.67	64,245.80	140,457.14	240,895.17	629,911.95	836,666.73	1,026,295.86	1,167,737.93	1,264,443.24	1,346,558.01	1,426,126.40	1,682,424.63	2,426,698.82	2,462,495.70	2,462,495.70
% Planned (CUM)	0.50%	2.61%	5.70%	9.78%	25.58%	33.98%	41.68%	47.42%	51.35%	54.68%	57.91%	68.32%	98.55%	100.00%	100.00%
Earned Value (Interval)	12,434.67	51,811.13	76,211.34	100,438.03	389,016.78	206,754.78	189,629.13	141,442.07	96,705.31	82,114.77	79,568.39	212,661.67			
% Earned Value (Interval)	0.50%	2.10%	3.09%	4.08%	15.80%	8.40%	7.70%	5.74%	3.93%	3.33%	3.23%	8.64%			
Earned Value (CUM)	12,434.67	64,245.80	142,210.95	246,072.26	629,558.65	680,996.50	870,625.63	1,085,274.72	1,184,645.17	1,222,507.32	1,285,372.32	1,498,033.99			
% Earned Value (CUM)	0.50%	2.61%	5.70%	9.78%	25.58%	33.98%	41.68%	47.42%	51.35%	54.68%	57.91%	60.83%			

