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FROM THE AMERICAN PEOPLE

Contract No.: AID-294-I-00-12-00002

Task Order No : AID-294-TO-15-00010

Southwest Jenin Water Project (SWJ)

MONTHLY PROGRESS REPORT

Prepared by: The Morganti Group, Inc.

April , 2016

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Construction Monthly Progress Report # 6

Reporting Period: April 1, 2016 – April 30 , 2016

Contractor: The Morganti Group, Inc.

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Abbreviation

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

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1. Task Order Overview

1.1 Description of the Project

Background:

Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission Infrastructure Needs Program II (INP II) focuses on the rehabilitation and construction of roads, schools, water and wastewater projects. The USAID objective is to help the Palestinian economy by improving Palestinians access to basic infrastructure and services.

Objective:

The objective of this Task Order is to upgrade the existing water supply system in the southeast part of the Jenin Governorate, located in the northern region of the West Bank. The upgrades will improve the transmission of water supply to villages southwest of the Jenin municipality, improve water storability by constructing new reservoirs, and provide a reliable, safe and affordable water supply to the project area.

1.2 Project General Information

Project Name:	Southwest Jenin Water Project
Indefinite Quantity Contract No	AID-294-I-00-12-00002
Task Order No	AID-294-TO-15-00010
Award Date	September 22, 2015
NTP Date	October 26, 2015
Completion Date	February 16, 2017
Contract Value	USD 12,949,433.37
BOQ Line Item Amount	USD 12,449,433.37
Day Work Amount	USD 500,000
Start Date Of Construction Activity	December 27,2015
Contractual Period Of Performance:	480 Calendar Days
Contractual End Date:	February 16, 2017
Project Location (Area and governorate)	The project is located in Jenin Governorate (Arraba, Kuferit, Ajja, Kafr Rai', Jalqamus, Al Mutilla, Meithalun, and Sanur) in Area A, B and C.

1.3 Project Key Map

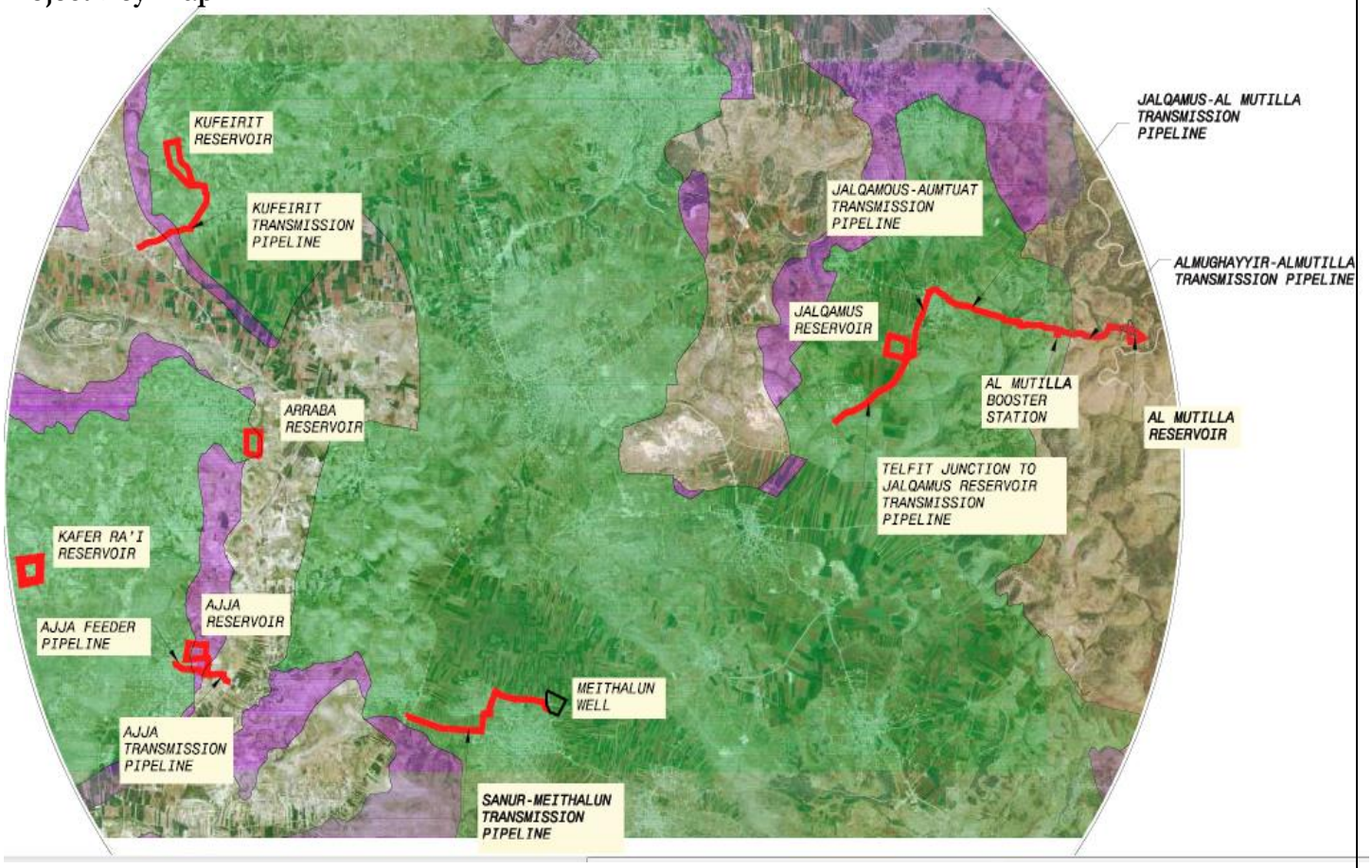


Figure 1: Southwest Jenin Project (SWJ)

1.4 Scope of Work:

The Statement of Work (SOW) is as defined as the below summary description:

Southwest Jenin Water Project

This project includes construction of six reservoirs, construction of booster station, chambers construction, chambers rehabilitation and the construction of approximately 17 km of steel transmission pipelines and Networks. Project elements will be constructed with SCADA system.

Project elements consist of the following:

Facilities

1. Arraba Reservoir – Replacement from existing 1000 m3 to a new 2,000 m3.
2. Jalqamus Reservoir – Replacement from existing 500m3 to a new 1000m3.
3. Kafr Rai Reservoir – New Construction 1,000 m3
4. Ajja Reservoir – New Construction 1000 m3
5. Kuferit Reservoir – New Construction 500 m3
6. Al Mutilla Reservoir – New Construction 500 m3
7. Al Mutilla Booster Station which consists of:

   - Construction of site civil, yard piping, and miscellaneous site equipment including concrete equipment pad for packaged booster pump skid and flow monitoring station, and parking bollard.
   - Construction of site electrical power, control, and instrumentation duct bank, site lighting, site grounding, tower mounted transformer, and new electrical equipment installed on an equipment pad.

Pipelines

Construction of New Transmission Mains

1. Jalqamus Junction to Al Mutilla Booster Station
2. Al Mutilla Booster Station to Al Mutilla Reservoir
3. Sanur junction to Maythaloun Well
4. Anza Junction to Ajja Reservoir.

Replacement of Existing Transmission Mains

1. Yabad Junction to Kuferit Reservoir
2. Talfit Junction to Jalqamus Reservoir
3. Jalqamus Reservoir to Jalqamus Junction

Construction of New Network Supply Pipelines

- Ajja Network Supply Pipeline.

Construction of New Distribution Network

- Al Mutilla Distribution Network

Access Roads:

Upgrading and Improving the Access Roads to Reservoir Sites

1. Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)
2. Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)
3. Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)
4. Access Road to Kafr Rai Reservoir (62 m of two-lane road with shoulder)

Construction of new chambers and Existing Chambers Replacement and Rehabilitation.

1. Construction of new WO and ARV chambers along existing pipes (Zababdeh – Talfit Pipeline).
2. Mechanical and Structural Rehabilitation and new construction for Service Connection Chambers and Monitoring chambers along with SCADA monitoring system.
3. Replacement of old WO and ARV chambers along Existing Sanur Main pipeline.

1.5 Project Dashboard Status

Contract Elapsed Time as of April 30, 2016 [%]	38.96 %
Planned Percentage of Completion through April 30 ,2016[%]	14.26%
Actual Percentage of Completion through April 30 ,2016[%]	9.35%
Float (Days)	-39 days

39 (Negative Float) due to deferring site condition at Arraba reservoir, Jalqamus Reservoir, Kuferit reservoir and Kafer Rai reservoir.

2. Safety

2.1 Traffic and Safety Management

Regarding the special nature of Jenin Villages and the nature of this Task Order, like :

- Narrow roads within the residential area. Tight turn towards reservoir access
- Old stone (non-archaeological) walls exist at certain locations along the roads
- Reservoirs sites is an open area with wild vegetation and some olive trees
- Few residences are existing in the vicinity of the reservoir location

- Olive trees are located within reservoir compound
- Sanur reservoir on mountain top, open area and rock – head character
- Reservoir site within potential urban expiation area.

According to the specifications and contract documents, comprehensive standard traffic control Plan submitted for Traffic Plan for Ajja Pipeline through Submittal Number SUB-15-00010-AJP-273-A , Traffic Plan for Kuferit Pipeline prepared and submitted through SUB-15-00010-YKT-274-A, Traffic Control Plan Night Works submitted and approved through SUB-15-00008-SWJ-254-A .

2.2 Safety Meetings

Safety issues were discussed during all internal meetings with both Morganti and subcontractor during the site periodic preparation.

Eleven Tool box meetings were conducted with the staff during the reporting period as mentioned in the following table the following issues were discussed:

No.	STBM No.	Description	Date	Location
1.	TBM-15-00010-ARR-C-E-012	Safety measures before and during casting concrete	April 6, 2016	Arraba
2.	STBM-15-00010-KFR-C-E-013	Safety measures before and during casting concrete	April 11, 2016	Kuferit
3.	STBM-15-00010-MTR-C-E-014	Safety measures before and during casting concrete	April 11, 2016	Al Mutilla
4.	STBM-15-00010-JLR-C-E-015	Safety measures before and during casting concrete	April 11, 2016	Jalqamus
5.	STBM-15-00010-AJR-C-E-016	Safety measures before and during casting construction(Excavation work)	April 17, 2016	Ajja
6.	STBM-15-00010-JLR-C-E-017	Safety measures during high temperature	April 26, 2016	Jalqamus
7.	STBM-15-00010-KFR-C-E-018	Safety measures during high temperature	April 26, 2016	Kuferit
8.	STBM-15-00010-MTR-C-E-019	Safety measures during high temperature	April 26, 2016	Al Mutilla
9.	STBM-15-00010-ARR-C-E-020	Safety measures during high temperature	April 26, 2016	Arraba
10.	STBM-15-00010-ARR-C-E-021	Safety measures before and during casting concrete	April 27, 2016	Arraba
11.	STBM-15-00010-JLR-C-E-022	Safety measures before and during casting concrete and work on heights	April 28, 2016	Jalqamus

2.3 Accident Status

One accident was reported during March as per Accident report No. AIR-15-00010-JLR-C-E-001.

No.	AIR No.	Description	Accident Date	Location	Type of Accident
1.	AIR-15-00010-JLR-C-E-001	A labor tread on wood piece with nail while hose keeping works	April 13, 2016	Jalqamus	Foot Injury

2.4 Notice of Unsafe Condition

None reported during this reporting period.

2.5 Safety Conclusion

All equipment listed and accepted in Safety Trench Excavation Plan were prepared and equipped. Prior to start any excavation activity, all safety measures have been taken into consideration.
Although, prior to start excavation in all projects, all required safety measures were taken into consideration.
In Additional safety tool box meetings were conducted before excavation , scaffolding , steel fixing , and concrete works

3. Environmental Compliance

Environmental check list was issued during this reporting period ECL # 04 for March, 2016 and all comments in the check list were closed (inspection will be presented on next report).
During this reported period the project's lifecycle, all Environmental measures have been taken into considerations.

Environmental Measures:

- Conduct village meetings by Municipalities, informing right-of-way activities
- Ensure that the roads are within municipal master plans and are actually accessible and usable condition
- Conduct meeting with Municipality to ensure compliance with local plans and get informed of land categories
- Take same-point vantage photographs prior, during, and post-construction to ensure site restoration back to original characteristics as much as practical
- Do not overload the vehicles, in particular, the trucks to minimize exhausts emissions
- Water spray of the construction site and the stockpiles of the excess cut materials to minimize dust
- Schedule properly and monitor of any risky activities such as excavation and backfilling
- Assure the use of well-maintained mechanical construction equipment
- Prepare, submit and implement Contractor's safety plan for Engineer's approval prior to starting any project activities
- Identify and isolate construction zones by using warning signs, fencing, and ribbon barriers
- Take appropriate measures to prevent unauthorized persons from entering the work area
- Provide adequate hearing protection, hard hats, safety goggles, brightly colored vests, and other appropriate safety equipment to protect workers and visitors from injury
- Apply special safety requirements for construction of elevated structures such as reservoirs. Provide appropriate scaffoldings, guard rails and personal protection equipment
- Provide first aid kits on construction sites and ensure the presence of personnel with the minimum first aid skills at construction site all times
- Maintain portable toilet and hand washing area properly, with no leaks or spills to the surrounding area.
- Consider suitable engineering and occupational health and safety practices during site preparation in areas where unprotected electrical cables and unstable objects are stored and exist

4. Risk Measures:

As Morganti is responsible for periodic monitoring of the Risk aspects and compliance with the mitigation measures as we indicated in the approved CRMP. Safety and environmental officer check the following items at daily basis:

- Air Quality Control and Dust Control (Spraying water using water tank . vehicle cover loads by sheeting)
- Fire Protection and Prevention
- Personal Protection Equipment (PPE) (colored vest, hearing protection, hard hats, safety boots ...)
- Traffic Control (Barricades , traffic cones , warning signs , flagmen … etc)
- Well-maintained construction equipment, vehicles and machinery to minimize pollutant emissions.
- Good housekeeping (No storage of materials , disposing dumping material in private land)
- Apply health and safety measures by provide temporary bridge, shade to the flag..etc.
- Provide emergency phone numbers (police, fire services, medical services ...etc.
- All dumping material carried to the approved dumping site , and all material moved immediately to keep the site clean
- All trenches and holes immediately backfilled after the completion of a section works.
- Applying all Safety Measures when it needs to work at night.
- Morganti will be responsible for the repair or replacement of any Damage done to the existing facilities
- Morganti will coordinate with respective utility owners prior to initiating works
- Morganti will provide all the required mitigation plans to engineers acceptance
- Depending on how close the structure is to the construction area, Morganti will monitor these structure throughout construction period and make necessary arrangements for each case accordingly

5. Community Outreach

Coordination with local councils and utilities owners were conducted to discuss work scope and challenges as detailed below.

Community outreach was conducted by TMGI in which meeting with Ajja Municipality, meeting with Ajja Girls School, distribution of flayers on Ajja citizens.

Location	Attention	Date	Description
Ajja Area	**Meeting with Ajja Girls School**	**April 12, 2016**	**Meeting with Ajja Girls School to give A brief description for the project .**
Ajja Area	**Ajja Municipality**	**April 12, 2016**	**Meeting with municipality to give A brief description for the project , walkthrough with municipality staff**

6. Gender Action Plan

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

One female portable toilet was prepared and located in the storage yard, to be used during the construction period.

7. Coordination and Meetings

During this reporting period the following coordination and meetings occurred:

Date	Attendance	Subject	Description
April 13, 2016	USAID, B&V, MORGANTI	Bi- Weekly Progress meeting	To review and discuss work scope and Progress of work
April 27, 2016	USAID, B&V, MORGANTI &SAK	Bi- Weekly Progress meeting	To review and discuss work scope and Progress of work

8. Site Visitors

The following table shows the site visitors during this reporting period:

Date	Time	Representative	Representing	Location
April 03, 2016	11:00	Eng. Morad Dewakat	Fosroc product co.	Arraba Reservoir
April 05, 2016	14:00	Eng. Morad Dewakat	Fosroc product co.	Jalqamus reservoir
April 13, 2016	10:00	Aysar Rabaya	PWA	B&V SWJ Qabatia office
April 13, 2016	10:00	Kamal Kasbary	USAID COR	B&V SWJ Qabatia office
April 18, 2016	15:32	Samear Halawa	Al Najah University Laboratory	Jalqamus Storage Yard
April 20, 2016	11:30	Peter Riley	USAID	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir
April 20, 2016	11:30	Sophie Taintor	USAID	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir
April 20, 2016	11:30	Kamal Kasbary	USAID	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir

April 20, 2016	11:30	Anan Al Masri	USAID	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir
April 20, 2016	11:30	Adnan Safi	BV	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir
April 20, 2016	11:30	Bashar Tarawa	BV	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir
April 20, 2016	11:30	Saleem Tafesh	SAK	Kuferit Reservoir, Arraba Reservoir, Jalqamus Reservoir, Al Mutilla Reservoir

9. Material and Equipment Delivered to Site

All required construction material related to construction activities were delivered to the site and to the storage yard and construction sites such as Base course, Ready Mix Concrete A1 , lean concrete (B20), concrete (B30), – For more information please refer to Annex A.

Equipment on Site: Surveying tools, truck, welding machine ,crane and others were used during the reporting period for executing the ongoing construction activities – For more information please refer to Annex - A.

Materials Delivered on Site:

Item	Description	Quantity	Location	Date
1.	Geotextile Roll 1 meter width	25 Roll	Jalqamus Storage Yard	03-April -16
2.	Geotextile Roll 2 meter width	1 Roll	Jalqamus Storage Yard	03-April -16
3.	Geotextile Roll 3 meter width	1 Roll	Jalqamus Storage Yard	03-April -16
4.	Precast Manhole 150x150x200 cm	6	Jalqamus Storage Yard	03-April -16
5.	Manhole Ceiling 150x150x25 cm	6	Jalqamus Storage Yard	03-April -16
6.	Link Seal Model 200	16 Joint	Jalqamus Storage Yard	03-April -16
7.	Link Seal Model 300	61 Joint	Jalqamus Storage Yard	03-April -16
8.	Link Seal Model 425	22 Joint	Jalqamus Storage Yard	03-April -16
9.	Link Seal Model 475	79 joint	Jalqamus Storage Yard	03-April -16
10.	Base Course	70 ton	Ajja Reservoir	03-April -16

11.	Class A1 concrete	90 m3	Reservoir foundation- Jalqamus Reservoir	06-April -16
12.	B-30 concrete	14 m3	RW-_Jalqamus Reservoir	06-April -16
13.	Base Course material	35 ton	Backfilling around Boundary wall- Arraba Reservoir	06-April -16
14.	Class A1 concrete	21.5 m3	Beams at 2nd level and stairs from 2nd land to 2nd level at Al Mutilla Reservoir	09-April -16
15.	Reinforced steel	11.333 Tone	Site area-_Jalqamus Reservoir	11-April -16
16.	Concrete B300	10.5 cum	Boundary wall stem Second stage (2-3)- Jalqamus Reservoir	11-April -16
17.	Single size	30 tone	Site area- Jalqamus Reservoir	12-April -16
18.	Single Size	20 ton	On site- Arraba Reservoir	12-April -16
19.	Timbers	308 PCS	On site of Jalqamus reservoir	13-April -16
20.	B-300 concrete	24 m^3	Retaining Wall-Kuferit Reservoir	16-April -16
21.	Concrete A1	13 cum	Columns 3rd level, stairs from 3rd level to 3rd land- Al Mutilla Reservoir	18-April -16
22.	Single size	18m^3	At Kuferit Reservoir	19-April -16
23.	Base Corse	18 m^3	At Ajja Reservoir	19-April -16
24.	Steel reinforcement 20mm & 16mm	12 ton	Reservoir walls	21-April -16
25.	B-30 Concrete	10.0 m3	Foundation of boundary wall footings from point 8 to existing wall (point 5)	24-April -16
26.	Stainless steel thimble DN:100mm	5 PCs	Storage yard	25-April -16
27.	Stainless steel thimble DN:150mm	7 PCs	Storage yard	25-April -16
28.	Stainless steel thimble DN:200mm	7 PCs	Storage yard	25-April -16
29.	Stainless steel thimble DN:250mm	2 PCs	Storage yard	25-April -16
30.	Stainless Steel Access Manway	3 PCs	Storage yard	25-April -16
31.	Steel Ø16mm	2 Tone	Jalqamus Reservoir	25-April -16
32.	Concrete Class A1	5.0 m3	Reservoir Columns - Jalqamus Reservoir	27-April -16
33.	Class A1 concrete	21.0 m3	3rd Level Beams- Al Mutilla Reservoir	27-April -16
34.	6" pipes	2003 m	Jalqamus Storage Yard	30-April -16

Equipment on Site:

.

Description	Quantity	Hours	Date
Surveying Tools	2	16	02-April -2016
KIA-FORTE(Without driver)	2	16	02-April -2016
PEUOGEOT 301(Without driver)	1	8	02-April -2016
Truck	2	16	02-April -2016
Steel Compactor	1	3	02-April -2016
Excavetor Caterpillar	1	8	02-April -2016
Skoda Fabia 2013	1	8	02-April -2016
JCB(with operator)	1	6	02-April -2016
Veco(with operator)	1	8	02-April -2016
Bobcat	1	3	02-April -2016
Surveying Tools	2	16	03-April -2016
KIA-FORTE(Without driver)	2	16	03-April -2016
PEUOGEOT 301(Without driver)	1	8	03-April -2016
Bobcat	1	6	03-April -2016
Steel Compactor	1	4	03-April -2016
Truck	3	8	03-April -2016
Excavetor Caterpillar	1	4	03-April -2016
Veco(with operator)	1	8	03-April -2016
Skoda Fabia 2013	1	8	03-April -2016
JCB(with operator)	1	6	03-April -2016
Surveying Tools	2	16	04-April -2016
KIA-FORTE(Without driver)	2	16	04-April -2016
PEUOGEOT 301(Without driver)	1	8	04-April -2016
Skoda Fabia 2013	1	8	04-April -2016
Veco(with operator)	1	8	04-April -2016
Surveying Tools	2	16	05-April -2016
KIA-FORTE(Without driver)	2	16	05-April -2016
PEUOGEOT 301(Without driver)	1	8	05-April -2016
Truck	1	0	05-April -2016
Steel Compactor	1	4	05-April -2016
JCB(with operator)	1	8	05-April -2016
Excavetor Caterpillar	1	8	05-April -2016
Roller	1	0	05-April -2016
Skoda Fabia 2013	1	8	05-April -2016
Veco(with operator)	1	8	05-April -2016
Bobcat	2	4	05-April -2016
Surveying Tools	2	10	06-April -2016
KIA-FORTE(Without driver)	2	16	06-April -2016
PEUOGEOT 301(Without driver)	1	8	06-April -2016
JCB(with operator)	1	8	06-April -2016
Bobcat	1	6	06-April -2016
Skoda Fabia 2013	1	8	06-April -2016
Steel Compactor	1	4	06-April -2016

	Excavetor Caterpillar	1	8	06-April -2016
	Veco(with operator)	1	8	06-April -2016
	Surveying Tools	3	10	07-April -2016
	KIA-FORTE(Without driver)	2	16	07-April -2016
	Steel Compactor	1	2	07-April -2016
	PEUOGEOT 301(Without driver)	1	8	07-April -2016
	Skoda Fabia 2013	1	8	07-April -2016
	Truck	1	0	07-April -2016
	JCB(with operator)	1	0	07-April -2016
	Excavetor Caterpillar	1	8	07-April -2016
	3CX-JCB	1	2	07-April -2016
	Bobcat	2	2	07-April -2016
	Roller	1	0	07-April -2016
	Veco(with operator)	1	8	07-April -2016
	Surveying Tools	2	16	09-April -2016
	KIA-FORTE(Without driver)	2	16	09-April -2016
	PEUOGEOT 301(Without driver)	1	8	09-April -2016
	Steel Compactor	1	1	09-April -2016
	JCB(with operator)	1	8	09-April -2016
	Truck	1	8	09-April -2016
	Roller	1	4	09-April -2016
	Skoda Fabia 2013	1	8	09-April -2016
	Excavetor Caterpillar	1	8	09-April -2016
	Veco(with operator)	1	8	09-April -2016
	Bobcat	2	4	09-April -2016
	Surveying Tools	2	16	10-April -2016
	KIA-FORTE(Without driver)	2	16	10-April -2016
	PEUOGEOT 301(Without driver)	1	8	10-April -2016
	Truck	2	12	10-April -2016
	Veco(with operator)	1	8	10-April -2016
	Excavetor Catetpillar	1	8	10-April -2016
	Steel Compactor	1	8	10-April -2016
	3CX-JCB	1	8	10-April -2016
	Skoda Fabia 2013	1	8	10-April -2016
	Surveying Tools	2	16	11-April -2016
	KIA-FORTE(Without driver)	2	16	11-April -2016
	PEUOGEOT 301(Without driver)	1	8	11-April -2016
	Skoda Fabia 2013	1	8	11-April -2016
	Veco(with operator)	1	8	11-April -2016
	Surveying Tools	2	10	12-April -2016
	KIA-FORTE(Without driver)	2	16	12-April -2016
	PEUOGEOT 301(Without driver)	1	6	12-April -2016
	Truck	1	4	12-April -2016
	Small Steel Compactor	1	2	12-April -2016
	Skoda Fabia 2013	1	6	12-April -2016
	Excavetor Catetpillar & JCB	2	16	12-April -2016
	JCB(with operator)	1	4	12-April -2016
	Veco(with operator)	1	6	12-April -2016

	Surveying Tools	2	16	13-April -2016
	KIA-FORTE(Without driver)	2	16	13-April -2016
	PEUOGEOT 301(Without driver)	1	8	13-April -2016
	Excavator Caterpillar & JCB	1	8	13-April -2016
	JCB(with operator)	1	4	13-April -2016
	Steel Compactor	1	4	13-April -2016
	Truck	1	4	13-April -2016
	Skoda Fabia 2013	1	8	13-April -2016
	Bobcat	2	16	13-April -2016
	Roller	1	8	13-April -2016
	Veco(with operator)	1	8	13-April -2016
	Surveying Tools	2	16	14-April -2016
	KIA-FORTE(Without driver)	2	16	14-April -2016
	PEUOGEOT 301(Without driver)	1	8	14-April -2016
	Truck	1	0	14-April -2016
	Steel Compactor	1	0	14-April -2016
	Skoda Fabia 2013	1	8	14-April -2016
	Bobcat	1	8	14-April -2016
	JCB(with operator)	1	4	14-April -2016
	Excavator Caterpillar & JCB	1	4	14-April -2016
	Veco(with operator)	1	8	14-April -2016
	Surveying Tools	2	0	15-April -2016
	KIA-FORTE(Without driver)	2	0	15-April -2016
	PEUOGEOT 301(Without driver)	1	0	15-April -2016
	Skoda Fabia 2013	1	0	15-April -2016
	Veco(with operator)	1	0	15-April -2016
	Surveying Tools	2	16	16-April -2016
	KIA-FORTE(Without driver)	2	16	16-April -2016
	PEUOGEOT 301(Without driver)	1	8	16-April -2016
	Skoda Fabia 2013	1	8	16-April -2016
	Surveying Tools	2	16	17-April -2016
	KIA-FORTE(Without driver)	2	16	17-April -2016
	PEUOGEOT 301(Without driver)	1	8	17-April -2016
	Skoda Fabia 2013	1	8	17-April -2016
	Veco(with operator)	1	8	17-April -2016
	Surveying Tools	2	16	19-April -2016
	KIA-FORTE(Without driver)	2	16	19-April -2016
	PEUOGEOT 301(Without driver)	1	8	19-April -2016
	Steel Compactor	1	8	19-April -2016
	Skoda Fabia 2013	1	8	19-April -2016
	Veco(with operator)	1	8	19-April -2016
	Surveying Tools	2	16	20-April -2016
	KIA-FORTE(Without driver)	2	16	20-April -2016
	PEUOGEOT 301(Without driver)	1	8	20-April -2016
	Skoda Fabia 2013	1	8	20-April -2016
	Veco(with operator)	1	8	20-April -2016
	Surveying Tools	2	16	21-April -2016

	KIA-FORTE(Without driver)	2	16	21-April -2016
	PEUOGEOT 301(Without driver)	1	8	21-April -2016
	Skoda Fabia 2013	1	8	21-April -2016
	Veco(with operator)	1	8	21-April -2016
	Surveying Tools	2	0	22-April -2016
	Excavator JCB	1	0	22-April -2016
	KIA-FORTE(Without driver)	2	0	22-April -2016
	PEUOGEOT 301(Without driver)	1	0	22-April -2016
	Skoda Fabia 2013	1	0	22-April -2016
	Veco(with operator)	1	0	22-April -2016
	Surveying Tools	2	16	23-April -2016
	KIA-FORTE(Without driver)	2	16	23-April -2016
	PEUOGEOT 301(Without driver)	1	8	23-April -2016
	veco	1	8	23-April -2016
	Skoda Fabia 2013	1	8	23-April -2016
	Excavator JCB	1	8	23-April -2016
	Surveying Tools	2	16	24-April -2016
	KIA-FORTE(Without driver)	2	16	24-April -2016
	PEUOGEOT 301(Without driver)	1	8	24-April -2016
	veco	1	8	24-April -2016
	Skoda Fabia 2013	1	8	24-April -2016
	Surveying Tools	2	16	25-April -2016
	KIA-FORTE(Without driver)	2	16	25-April -2016
	PEUOGEOT 301(Without driver)	1	8	25-April -2016
	Skoda Fabia 2013	1	8	25-April -2016
	veco	1	8	25-April -2016
	Surveying Tools	2	16	26-April -2016
	KIA-FORTE(Without driver)	2	16	26-April -2016
	PEUOGEOT 301(Without driver)	1	8	26-April -2016
	Skoda Fabia 2013	1	8	26-April -2016
	veco	1	8	26-April -2016
	Surveying Tools	2	16	27-April -2016
	KIA-FORTE(Without driver)	2	16	27-April -2016
	PEUOGEOT 301(Without driver)	1	8	27-April -2016
	Skoda Fabia 2013	1	8	27-April -2016
	veco	1	8	27-April -2016
	Surveying Tools	2	16	28-April -2016
	KIA-FORTE(Without driver)	2	16	28-April -2016
	PEUOGEOT 301(Without driver)	1	8	28-April -2016
	Skoda Fabia 2013	1	8	28-April -2016
	veco	1	8	28-April -2016
	Surveying Tools	2	0	29-April -2016
	KIA-FORTE(Without driver)	2	0	29-April -2016
	PEUOGEOT 301(Without driver)	1	0	29-April -2016
	Skoda Fabia 2013	1	0	29-April -2016

veco	1	0	29-April -2016
Surveying Tools	2	16	30-April -2016
KIA-FORTE(Without driver)	2	16	30-April -2016
PEUOGEOT 301(Without driver)	1	8	30-April -2016
Excavator JCB	1	8	30-April -2016
Skoda Fabia 2013	1	8	30-April -2016
veco	1	8	30-April -2016

10. Progress and Scheduling

Original CPM Schedule Submittal through Submittal Number SUB-15-00010-SWJ-077-C which approved, Updated CPM Schedule Submittal April 30,2016 was prepared and submitted through submittal number SUB-15-00010-SWJ-306-A– For more information please refer to Annex B.

For one month look ahead please refer to Annex C

11. Activities During this Reporting Period:

1 General.

- Complete fence installation at Kufer Rai Reservoir.
- Walkthrough with PALTEL at Talfeet – Jalqamous – Al Mughayyer pipe lines proposed routs to inspect underground utilities.
- Supply & Spreading of Base Course material for access road and working yard on Ajja Reservoir.
- Preparation of safety signs for Kufer Rai and Ajja sites.
- Fabrication of Ajja site fence gate.
- Preparation of safety signs and concrete barriers for pipe lines works at Jalqamous storage yard .
- Implementing safety plan on Telfit Jalqamus Pipeline, in which safety signs were fixed as per approved plan.
- Coordination for transporting 6" pipes from an Israeli loading zone (Pecker Factory) to FIP factory in Hebron, awaiting the COGAT-DCO approval.
- Start transporting 6" pipes from an Israeli loading zone (Pecker Factory) to FIP factory in Hebron.
- Finish transporting 6" pipes (6,909 L.M) from an Israeli loading zone (Pecker Factory) to FIP factory in Hebron.
- External coating and internal lining process for 6" pipes at FUTURE IRON PIPES (FIP) factory in Hebron during which around 2300 L.M of 6" pipes were externally coated.
- Survey and Marking works on Talfeet – Jalqamous pipe line.
- Distribution of safety figures and photos concerning working on hot season and first aid procedure in all project sites as a part of our safety plane .
- Inspection of Survey points and implementation of safety plane on Talfeet – Jalqamous pipe line.
- Welder's qualification test on Jalqamous Storage yard.
- Joint walkthrough on Talfeet –Jalqamous pipe line with CMC and Jalqamous Municipality as part of preparation to start work on pipe line.
- Marking of alignment prior to start pre-Excavation for TLT 6" pipeline – Telfit Jalqamus Transmission pipeline.

2 500 cubic meter KUFERIT RESERVOIR - AT GRADE (KFR)

- Continue and finish curing for retaining wall footings from point 7 – point 1 and from point 4 – point 7.
- Finish de-shuttering formwork of retaining wall footings from point 7 – point 1 and from point 4 – point

7.

- Continue and finish formwork for concrete wall stem from point 1-3.
- Start and finish steel reinforcement for concrete wall stem from point 1-3.
- Continue and finish excavation and leveling for reservoir's reduced level and washout pipe.
- Start and finish steel reinforcement works for retaining wall from point 3 to point7.
- Start and finish insulation works for washout pipe.
- Start and finish compaction of subgrade under reservoir.
- Start and finish concrete casting for concrete wall stem from point 1 - 3.
- Collecting concrete samples by building center technician for QC test
- Curing for wall stem from point 1-3.
- Field density test for subgrade under reservoir.
- Concrete preparation before applying bitumen coat (water proof) for concrete wall foundation from 3-7.
- Mixing, spreading and compaction of base course layer under slab of grade of reservoir
- Formwork for retaining wall from point 6-7.
- Installation of 6" wash out pipe line under reservoir.
- Field density test for base course layer under reservoir slab on grade.
- Concrete Preparation before applying bitumen coat (water proof) for concrete wall foundation from point 1-3.
- Start and finish formwork and steel reinforcement for reservoir's washout pipe.
- Start and finish casting concrete for retaining wall from point 6-7.
- Concrete samples were taken by Lab technician (building center) for retaining wall from point 6-7.
- Start and finish formwork for retaining wall from point 7-1.
- Curing for concrete wall stem from point 6-7 and washout encasement.
- Start and finish installing filter fabric from point 2 – 3, and backfill single size materials in the same section.
- Concrete surface preparation for concrete stem from point 6 to 7.
- Start and finish concrete casting for retaining wall from point 7-1.
- Concrete samples were taken by lab technician (building center).
- Start and finish formwork for retaining and boundary walls from point 3-5.
- Continue spreading and compacting of base course layer under reservoir slab on grade.
- Start and finish de-shuttering for retaining wall from point 1-7.
- Curing for retaining wall from point 1-7.

3 500 cubic meter AL MUTILLA RESERVOIR – ELEVATED (MTR)

- Finish de-shuttering for columns at level one and for stairs from level one to second land.
- Start and finish formwork for reservoir's beams at level 2.
- Start and finish steel reinforcement for reservoir's beams at level 2.
- Finish curing for columns at level one and for stairs from level one to second land.
- Start and finish formwork for stairs from second land to third level.
- Start and finish casting concrete for Beams at second level and for stairs from second land to second level.
- Taking concrete samples by authorized labor staff " B.C " for compressive strength test , shrinkage, Air voids ,temperature and slump.
- Scaffolding works for 3rd level works.
- Starting and finish curing for Beams at second level and for stairs from second land to second level

- Start de-shuttering for beams at second level and for stairs from second land to second level.
- Finish de-shuttering for beams at second level and for stairs from second land to second level.
- Start and finish steel reinforcement work for columns at 3rd level.
- Start and finish formwork for columns at 3rd level.
- Start and finish formwork and steel reinforcement for stairs from 3rd level to 3rd land
- Finish steel reinforcement for stairs from 3rd level to 3rd land.
- Start and finish casting concrete for columns at 3rd level and stairs from 3rd level to 3rd land.
- Third party laboratory (Al Najah University) collected samples of concrete for quality assurance of concrete casting.
- Implementing of quality control plan on concrete casting in which sampling of cubes, slump test, air voids tests were carried out during casting column concrete.
- Finish de-shuttering for beams at 2nd level.
- Start and finish curing for columns at 3rd level and for stairs from 3rd level to 3rd land.
- Finish de-shuttering for columns at 3rd level.
- Start and finish scaffolding for 4th level.
- Start and finish steel reinforcement for beams at 3th level.
- Start and Finish steel reinforcement work for reservoir's beams at 3rd level.
- Start and finish casting concrete class A1 for reservoir beams at 3rd level and stairs from 3rd land to 3rd level.
- Concrete samples were taken by lab technician (Building Center) for reservoir beams at 3rd level and stairs from 3rd land to 3rd level.

4 1000 cubic meter AJJA RESERVOIR – AT GRADE (AJR)

- Finish spreading and compacting of base course layer for access road to site and at site entrance.
- Installation for site office.
- Fabrication of safety signs.
- Fixing of safety signs.
- Installation of Toilet unit on site
- Start and finish excavation to reach site reduced level & retaining walls..
- Community outreach was conducted by contractor in which meeting with Ajja Municipality, meeting with Ajja Girls School, distribution of flayers on Ajja citizens.
- Start excavation works for boundary and retaining walls from point 7 through point 6, 5, 4, 3, 2 to point 7.
- Survey work for the walls and reservoir foundations.
- Survey works and preparation for formwork at retaining wall.
- Geotechnical samples were taken by technician lab (building center) for the reservoir and walls.
- Start formwork for retaining wall foundation's lean concrete from point 7 to 1 & 1 to 2.

5 1000 cubic meter JALQAMUS RESERVOIR - AT GRADE (JLR)

- Finish curing for concrete of retaining wall stem from point 1-2.
- Finish steel reinforcing for reservoir foundation and slab on grade and wall footing.
- Finish formwork and steel reinforcement works for retaining wall & boundary wall between points 2-3..
- Installation of water stop at reservoir slab on grade.
- Start and finish concrete casting for concrete wall from section 2 to 3.
- Start and finish concrete casting for slab on grade and foundation ring of reservoir.

- Collect concrete samples by building center technician for QC tests.
- Implementation of QC plan in which inspection on mix proportions, control room inspection.
- Start and finish curing for reservoir's slab on grade and wall footing and retaining wall from section 2 to 3.
- Start and finish de shuttering for concrete wall from section 2 to 3, and reservoir foundation.
- Curing for reservoir slab on grade, footing and column foundation.
- Curing for concrete wall stem from section 2 to 3.
- Start and finish casting concrete for boundary wall from section 2 to 3 second stage.
- Concrete samples were taken by lab technician (building center) for boundary wall from section 2 to 3 second stage.
- Start and finish scaffolding work for reservoir columns.
- Start and finish reinforcement steel work for reservoir columns.
- Applying first layer of bitumen coat for reservoir's foundation, retaining wall and boundary wall from Point 5-3.
- Start and finish formwork for reservoir walls and columns of first part.
- Start and finish temporary backfill around reservoir foundation.
- Finish insulation bitumen coat for boundary wall foundation from section 2 to 3 second stage.
- Finish insulation bitumen coat for boundary wall foundation from section 4 to 5.
- Start and finish working in scaffolding around reservoir walls.
- Start and finish backfill the excavated area around boundary wall foundation from section 2 to 3 second stage and boundary wall foundation from section 4 to 5.
- Start and finish steel reinforcement for reservoir walls.
- Start bitumen coating for retaining wall and foundation from section 1 to 3.
- Insolation first layer of bitumen coated for retaining wall from point 1 to 3 first stage.
- Working in scaffolding around reservoir walls.
- Continue insolation first layer of bitumen coated for retaining wall from section 1 to 3 first stage.
- Steel reinforcement sample was taken by lab technician (building center) (Ø16mm).
- Finish insolation first and second layer of bitumen coated for retaining wall from section 1 to 3 first stage.
- Start and finish installation of access man way in the reservoir wall.
- Start and finish casting concrete class A1 for reservoir columns.
- Concrete samples were taken by lab technician (Building Center) for reservoir columns.
- Start install the thimbles and water stop in reservoir walls.
- Install the thimbles and water stop in reservoir walls.
- Start surface preparation of key share.
- Curing for Reservoir Column.
- Start external formwork for reservoir wall first stage.
- Start installation of expandable water stop at presence of manufacture representative..

6 1000 cubic meter KAFER RA'I RESERVOIR - AT GRADE (KRR)

- Preparation for fence installation works at Kufer Rai reservoir site.
- Start fence installation on Kufer Rai Reservoir .

7 2000 cubic meter ARRABA RESERVOIR - AT GRADE (ARR)

- Continue and finish formwork for reservoir's footing (ring foundation).
- Continue and finish steel reinforcement for reservoir's footing and slab on grade.
- Continue and finish formwork for reservoir's internal columns and columns' bases.

- Installation of water stops at reservoir's slab on grade.
- Start and finish backfilling around boundary wall.
- Start and finish reinforcement for level indicator base.
- Continue and finish backfilling works for boundary wall from point 8 to 10 and from 10 to existing wall.
- Start and finish casting concrete for reservoir's footing and slab on grade.
- Start and finish casting concrete for reservoir columns' bases.
- Collecting concrete samples by laboratory technician for quality tests.
- Start and finish curing for concrete of reservoir's footing, slab on grade and columns bases.
- Finish de-shuttering for concrete of reservoir's footing and columns bases.
- Start and continue formwork for reservoir walls of first step
- Start implementing safety plan before excavation for boundary wall from point 8 to point 7 and from point 7 to existing wall.
- Start and continue steel reinforcement for circular column.
- Start and finish excavation work for boundary wall from point 8 to point 7 and from point 7 to existing wall.
- Start and finish backfilling around reservoir's foundation (temporary backfilling).
- Continue working of scaffolding for columns.
- Start steel reinforcement work for reservoir's columns.
- Finish excavation and leveling for boundary wall from point 8 to existing wall.
- Start and finish casting lean concrete from existing wall to point 8.
- Inspection of reservoir base concrete by Building Center Lab to check consistency and durability of concrete during which ultrasonic devise was used.
- Start and finish formwork for boundary wall foundation from existing wall (point 5) to point 8.
- Start and finish steel reinforcement works for boundary wall foundation from existing wall (point 5) to point 8.
- Start and finish casting concrete for boundary wall foundation from existing wall (point 5) to point 8.
- Collecting concrete samples by lab technician (building center).
- Start installing of scaffolding for reservoir's walls – internal side.
- Start installation of scaffolding for reservoir's walls – external side.
- Start and finish de-shuttering formwork of boundary wall foundation from existing wall (point 5) to point 8.
- Finish formwork and steel reinforcement of reservoir's internal columns.
- Start and finish casting concrete for reservoir's internal columns.
- Concrete samples were taken by technician lab (building center) for reservoir's internal columns.
- Start formwork for boundary wall stem from point 8 to existing wall (point 5).
- Start de-shuttering of reservoir's internal columns.
- Start curing of reservoir's internal columns.

8 AL MUTILLA BOOSTER STATION (MTB)

- No construction works.

9 SANOUR-MEITHALON MAIN TRANSMISSION PIPELINE (SMT)

- Walk through conducted with represent BV & Morganti

10 YABAD - KUFEIRIT TRANSMISSION PIPELINE (YKT)

- No construction works.

11 ANZA - AJJA TRANSMISSION PIPELINE (AAT)

- No construction works.

12 AJJA NETWORK SUPPLY PIPELINE (AJP)

- No construction works.

13 TELFIT-JALQAMUS TRANSMISSION PIPELINE (TJT)

- Start implementation of safety and traffic plan for TJT
- started digging for the pipe line from station 0+00 m T0 00+020 m

14 JALQAMUS TRANSMISSION PIPELINE (JLT)

- No construction works.

15 JALQAMUS - AL MUTILLA TRANSMISSION PIPELINE (JMT)

- No construction works.

16 AL MUTILLA TRANSMISSION PIPELINE (MTT)

- No construction works.

17 ALMUTILLA DISTRIBUTION NETWORK (MTN)

- No construction works.

18 SWJ CHAMBERS REHABILITATION

- No construction works.

12. Planned Activities for Next Month

1. 500 cubic meter KUFERIT RESERVOIR - AT GRADE (KFR)

- Casting Lean Concrete Under reservoir
- concrete Curing
- Form/Steel Rebar's for Base Slab and Installing Water Stop
- Internal Formwork for 1st Group Ring Foundation (Construction Joints)
- Casting Concrete for 1st Group Ring Foundation
- De shuttering/Steel Rebar's Cleaning
- Concrete Curing
- Casting Concrete for 2nd Group Base Slab
- Concrete Curing & Isolation for Under Ground Elements
- Form/Steel Rebar's for External Wall & Middle Column Foundation (1st Face) With Seismec Cans Installation

2. 500 cubic meter AL MUTILLA RESERVOIR – ELEVATED (MTR)

- Scaffolding for Fourth Level
- Reinforcing of 4th Level Columns Formwork for 4th Level Columns
- Cast-in-place concrete for 4th Level Columns De-shuttering of 4th Level Columns
- Formwork For Bottom Beams, bottom Slab &Stairs of Reservoir

3. 1000 cubic meter AJJA RESERVOIR – AT GRADE (AJR)

- Start and finish excavation works for working area.
- Start concrete for foundation

4. 1000 cubic meter JALQAMUS RESERVOIR - AT GRADE (JLR)

- Reservoir Walls & Columns - Internal formwork - (Stage 1) Reservoir Walls & Columns - Place concrete (Stage 1)
- Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8) Reservoir Walls - Place concrete (Stage 2)
- Reservoir Roof Slab – Formwork
- Installing Earthling System

5. 1000 cubic meter KAFER RA'I RESERVOIR - AT GRADE (KRR)

- Demolition, removal, clear and grub site
- Site and access Road Grading and Preparation
- Excavation for the base slab of the Reservoir & Inlet Outlet Chamber Soil verification report - Geotechnical report
- Digging of Inlet Outlet chamber (S-RVV01)

6. **2000 cubic meter ARRABA RESERVOIR - AT GRADE (ARR)**
   - Reservoir Walls & Columns - Place concrete (Stage 1)
   - Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)
   - Reservoir Walls - Place concrete (Stage 2)
   - Reservoir Roof Slab - Formwork

7. **AL MUTILLA BOOSTER STATION (MTB)**
   - No construction works.

8. **SANOUR-MEITHALON MAIN TRANSMISSION PIPELINE (SMT)**
   - No construction works.

9. **YABAD - KUFEIRIT TRANSMISSION PIPELINE (YKT)**
   - No construction works.

10. **ANZA - AJJA TRANSMISSION PIPELINE (AAT)**
    - No construction works.

11. **AJJA NETWORK SUPPLY PIPELINE (AJP)**
    - No construction works.

12. **TELFIT-JALQAMUS TRANSMISSION PIPELINE (TJT)**
    - No construction works.

13. **JALQAMUS TRANSMISSION PIPELINE (JLT)**
    - No construction works.

14. **JALQAMUS - AL MUTILLA TRANSMISSION PIPELINE (JMT)**
    - No construction works.

15. **AL MUTILLA TRANSMISSION PIPELINE (MTT)**
    - No construction works.

16. **ALMUTILLA DISTRIBUTION NETWORK (MTN)**
    - No construction works.

17. **SWJ CHAMBERS REHABILITATION**
    - No construction works.

13. Indicators

Indicator 1: Quantity of drinking water available as a result of USG assistance:

Measured by the total volume determined in the design phase per USAID beneficiaries' standard definitions of drinking water supply to be made available as a result of USG assistance in discrete INP projects. Data will be measured at the design stage based on a variety of factors. For water well-drilling/transmission projects, measurements will be based on each well's estimated production capacity and/or transmission capacity. The Contractor shall request this data from the INP II A-E firm for inclusion in the Contractor's first Geo-MIS report as a target estimate. This indicator will be measured and reported on by the Contractor at the completion of the task order based on the tested capacity of the project.

Total number of Beneficiaries	Male		Female	
	No.	%	No.	%
37,836	19,296	51%	18,540	49%

Indicator 2:
This indicator is measured by the number of person days of employment generated by this Task Order. The Contractor must measure person days of employment directly generated by construction work on site. It is

recognized that while this data may extend well beyond the immediate employment generated by this Task Order, this data will be measured by the Contractor at the "prime" and "first tier" subcontractor level only. The Contractor will measure this daily during Task Order implementation through time cards. Neither expatriate person days of employment (i.e. those worked by American or other Third Country National staff) nor management nor administrative person days of employment (i.e. program level and other general and administrative staff shared among multiple task orders) shall be included in the Geo-MIS related reporting. A target estimate is to be provided by the Contractor at the time of the first Geo-MIS report. This indicator will be measured daily and reported on a monthly basis in each Geo-MIS report in accordance with Section H.12.b above. The data shall be further reviewed and reported on at the completion of the task order.

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

Target value = 33,847 *	
Person Days of Employment Generated Previously	**3598.00**
Person Days of Employment Generated During the Current Reporting Period	**1532.88**
Accumulative Persons Days of Employment Generated	**5130.88**
Male Person Days of Employment	
Person Days of Employment Generated Previously	**3405.25**
Person Days of Employment Generated during the current reporting period	**1482.88**
Accumulative Persons Days of Employment Generated	**4888.13**
Female Person Days of Employment	
Person Days of Employment Generated Previously	**192.75**
Person Days of Employment Generated during the current reporting period	**50.00**
Accumulative Persons Days of Employment Generated	**242.75**
Total Number of Full Time Equivalent Jobs (FTE)	
Number of Full Time Equivalent Jobs Generated Previously	**151.18**
Number of Full Time Equivalent Jobs Generated During Current Period	**64.41**
Total Number of Full Time Equivalent Jobs Generated	**215.58**

*The target value is based on the approved CPM schedule

- **Geo MIS Data**

Refer to "Annex M"-Geo MIS Data

14. Working / Non – Working Days

1 Total period of performance (Original): 480 Days
2 Total excusable delays/approved extension: None
3 Completion date: February 16, 2017
4 Modified completion date: --
5 Total no. of working days during this reporting period: 25
6 Accumulated working days: 146
7 Total no. of non-working days (holidays and weekends) during this reporting period: 5
8 Accumulated non-working days (holidays and weekends): 27
9 No. of other non-working days during this month: 0
10 Accumulated other non-working days: 15 (Rainy weather)

11 Accumulated non-working days (Item 8+Item 10): 42

Month	Working days	Non-working Days	
		Week Ends + Holidays	Others (Due to rain)
October 2015	5	1	0
November 2015	26	4	0
December 2015	27	4	0
January 2016	19	5	7
February 2016	20	4	5
March 2016	24	4	3
April 2016	25	5	0
Total	146	27	15

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: April 01, 2016
PERIOD TO: April 30, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks	Chambers rehabilitations		Female	Male	
April 1, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
April 2, 2016	85	18	100	14	119	86	20	11	11	58	2	56	
April 3, 2016	101	18	100	14	115	78	20	11	11	58.5	2	56.5	
April 4, 2016	85	22	92	14	191	94	20	11	11	67.5	2	65.5	
April 5, 2016	89	18	148	14	87	94	20	11	11	61.5	2	59.5	
April 6, 2016	101	18	198	14	95	86	20	11	11	69.25	2	67.25	
April 7, 2016	105	30	112	14	87	66	20	11	11	57	2	55	
April 8, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
April 9, 2016	57	42	88	14	119	94	20	11	11	57	2	55	
April 10, 2016	97	34	96	14	114	38	20	11	11	54.375	2	52.375	
April 11, 2016	97	35	96	14	117	93	20	11	11	61.75	2	59.75	
April 12, 2016	69	35	60	14	87	65	20	11	11	46.5	2	44.5	
April 13, 2016	69	35	76	14	85	65	20	11	11	48.25	2	46.25	
April 14, 2016	89	51	96	14	107	93	20	11	11	61.5	2	59.5	
April 15, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
April 16, 2016	89	51	114	14	103	93	20	11	11	63.25	2	61.25	
April 17, 2016	89	43	112	14	111	93	20	11	11	63	2	61	
April 18, 2016	89	43	112	14	127	93	20	11	11	65	2	63	
April 19, 2016	89	35	131	14	111	72	20	11	11	61.75	2	59.75	
April 20, 2016	81	43	112	14	111	93	20	11	11	62	2	60	
April 21, 2016	81	43	72	14	95	85	20	11	11	54	2	52	
April 22, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
April 23, 2016	89	39	136	14	111	85	20	19	11	65.5	2	63.5	
April 24, 2016	89	47	176	14	103	85	20	19	11	70.5	2	68.5	
April 25, 2016	89	19	128	14	111	85	20	19	11	62	2	60	
April 26, 2016	97	35	88	14	127	101	20	19	11	64	2	62	
April 27, 2016	89	19	88	14	127	93	20	19	11	60	2	58	
April 28, 2016	89	29	88	14	127	45	20	19	11	55.25	2	53.25	
April 29, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: April 01, 2016
PERIOD TO: April 30, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks	Chambers rehabilitations		Female	Male	
April 30, 2016	49	67	88	14	127	53	20	75	11	63	2	61	
Total Hours	**2173**	**889**	**2737**	**370**	**2844**	**2058**	**510**	**397**	**285**				
Total Days	**271.63**	**111.125**	**342.125**	**46.25**	**355.5**	**257.25**	**63.75**	**49.625**	**35.625**	**1532.88**	**50**	**1482.875**	

15. Site Memos

Two site Memos was issued in this reporting period from contractor to CMC, and seven site memos were received from CMC during this reporting period

Site Memos to the Engineer			
No.	**SM No.**	**Description**	**Submitted Date**
1	SM-15-00010-MTR-C-E-004	Response for SM-15-00010-MTR-E-C-006	April 14, 2016
2	SM-15-00010-ARR -C-E-005	Response for SM-15-00010-MTR-E-C-008) Arraba Reservoir Base Slab Casting	April 25, 2016

Site Memos To Contractor			
No.	**SM No.**	**Description**	**Submitted Date**
1	SM-15-00010-SWJ-E-C-007	Third-Party Test Report -Satisfactory Test Result	April 3, 2016
2	SM-15-00010-ARR-E-C-008	Arraba Reservoir Base Slab Concrete Casting	April 7, 2016
3	SM-15-00010-MTR-E-C-009	Response to SM-15-00010-MTR-C-E-004	April 18, 2016
4	SM-15-00010-SMT-E-C-010	Changes to Maythaloun Well Inlet Connection Chamber	April 24, 2016
5	SM-15-00010-MTR-E-C-11	for concrete Finish and Cracks at Al Mutilla Reservoir	April 27, 2016
6	SM-15-00010-SWJ-E-C-12	Third Party Test Report-Satisfactory Test Result	April 27, 2016
7	SM-15-00010-SWJ-E-C-13	Unsafe Conditions in ARR and JLR	April 27, 2016

16. Quality Control and Test Results

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

The Quality Control Plan submitted to Engineer through submittal (SUB-15-00010-SWJ-010-B) to CMC and accepted. During this report period ,on site , several QC tests were conducted for concrete casting in Jalqamus , Al Mutilla, Kuferit , Arraba and Ajja Sites in which concrete sampling for compressive strength , slump , temperature and shrinkage tests were conducted , silica sand and fine aggregate random inspection and test was also conducted as part of QC plan, FDT for selected backfill layers under slab on grade of reservoirs were carried out , soil investigation test for Kuferit reservoir was conducted , all test reports upon receive from Laboratory were submitted to CMC for approval .

A total of Sixty six QC Submittals were submitted during the reporting period as per the following table , for more details please refer to below table and Annex (G)for cumulative on monthly basis.

QC SUBMITTALS LOG						
No.	**Submittal No.**	**Description**	**Submittal Classification**	**Submitted Date**	**Response Date**	**Status**
1	TEST-15-00010-MTR-52-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16310) – (B-20) Lean concrete /Retaining Wall (1-3) Al-Mutilla Reservoir	Concrete	April 3, 2016	April 10, 2016	A
2	TEST-15-00010-MTR-53-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16347) – (B-30) Footing of Retaining Wall (1-3) Al-Mutilla Reservoir	Concrete	April 3, 2016	April 10, 2016	A
3	TEST-15-00010-MTR-54-A	28-Days Concrete Compressive Strength Test Reports(BM/CT/16380) – (A1(35MPaC))) Columns of Level one and Concrete Slab On-Grade Al-Mutilla Reservoir	Concrete	April 3, 2016	April 10, 2016	A
4	TEST-15-00010-MTR-55-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16435) – (A1(35MPaC))) Beams at Level One and Stair at Level One / Al-Mutilla Reservoir	Concrete	April 3, 2016	April 10, 2016	A
5	TEST-15-00010-ARR-056-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16381) – (B-30) Footing of Retaining Wall Between Points(4-5) Jalqamus Reservoir	Concrete	April 3, 2016	April 10, 2016	A
6	TEST-15-00010-JLR-057-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16362) – (B-30) Base of Retaining Wall Between Points (3-4) & Blinding Between Points (4-5)Jalqamus Reservoir	Concrete	April 3, 2016	April 10, 2016	A
7	TEST-15-00010-JLR-058-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16505) – (B-20) Blinding Concrete Below Slab on – Grade (A=210m2) /Jalqamus Reservoir	Concrete	April 3, 2016	April 10, 2016	A
8	TEST-15-00010-JLR-059-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16417) – (B-30) Retaining Wall Between Points (3-4) Jalqamus Reservoir	Concrete	April 4, 2016	April 10, 2016	A
9	TEST-15-00010-ARR-060-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16379) – (A1(35MPaC))) Around Wash Out Pipe Arraba Reservoir	Concrete	April 4, 2016	April 10, 2016	A
10	TEST-15-00010-ARR-061-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16491) – (B-20) Lean concrete Under Reservoir Floor Slab (A = 380 m2) Arraba Reservoir	Concrete	April 4, 2016	April 10, 2016	A
11	TEST-15-00010-ARR-062-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16492) – (B-30) Boundary Wall Stem between Points (8-9)/ Arraba Reservoir	Concrete	April 4, 2016	April 10, 2016	A
12	TEST-15-00010-KFR-063-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16493) – (B-20) Lean Concrete for Concrete Wall Through Points (1,2,3,4,5,6,7) of Kuferit Reservoir	Concrete	April 4, 2016	April 10, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
13	TEST-15-00010-KFR-064-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16499) – (B-30) Footing of Retaining Wall Between Points (4-5) of Kuferit Reservoir	Concrete	April 4, 2016	April 10, 2016	A
14	TEST-15-00010-ARR-065-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16427) – (B-30) Footing of Boundary Wall between (Existing Wall -8) of Arraba Reservoir	Concrete	April 11, 2016	April 12, 2016	A
15	TEST-15-00010-ARR-066-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16457) – (B-30) Boundary Wall between (Existing Wall - 9) of Arraba Reservoir	Concrete	April 11, 2016	April 12, 2016	A
16	TEST-15-00010-JLR-067-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16415) – (B-20) Lean Concrete between Points (1-3) & (3-4) for Retaining Wall of Jalqamus Reservoir	Concrete	April 11, 2016	April 12, 2016	A
17	TEST-15-00010-ARR-068-A	28-Days Concrete Compressive Strength Test Reports(BM/CT/16414) – (B-20) Lean concrete between Point (8-10) and (10- Existing Wall) of Arraba Reservoir	Concrete	April 12, 2016	April 28, 2016	A
18	TEST-15-00010-ARR-069-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16352) – (B-20) Lean concrete Under foundation Ring of Arraba Reservoir	Concrete	April 12, 2016	April 28, 2016	A
19	TEST-15-00010-JLR-070-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16434) – (B-30) Foundation of Retaining Wall between Points (1-3) / Jalqamus Reservoir	Concrete	April 12, 2016	April 28, 2016	A
20	TEST-15-00010-JLR-071-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16500) – (B-30) Stem of Boundary Wall Between Points (4-5)and Footing of Boundary Wall Between Points (2-3) / Jalqamus Reservoir	Concrete	April 12, 2016	April 28, 2016	A
21	TEST-15-00010-JLR-072-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16456) – (B-30) Retaining Wall Between Points (3-5) / Jalqamus Reservoir	Concrete	April 12, 2016	April 28, 2016	A
22	TEST-15-00010-JLR-073-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16417) – (B-30) Retaining Wall Between Points (3-4) Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A
23	TEST-15-00010-JLR-074-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16434) – (B-30) Foundation of Retaining Wall between Points (1-3) / Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A
24	TEST-15-00010-JLR-075-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16456) – (B-30) Retaining Wall Between Points (3-5) / Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
25	Test-15-00010-JLR-076-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16325) – (B-20) Lean concrete under Footing of Retaining Wall between points (3-4) /Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A
26	TEST-15-00010-JLR-077-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16520) – (B-30) Retaining Wall Between Points (1-2) / Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A
27	TEST-15-00010-JLR-078-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16583) – (B-30) Retaining Wall Between Points (2-3) / Jalqamus Reservoir	Concrete	April 17, 2016	April 25, 2016	A
28	TEST-15-00010-ARR-079-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16457) – (B-30) Boundary Wall between (Existing Wall - 9) of Arraba Reservoir	Concrete	April 17, 2016	April 25, 2016	A
29	TEST-15-00010-ARR-080-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16427) – (B-30) Footing of Boundary Wall between (Existing Wall -8) of Arraba Reservoir	Concrete	April 17, 2016	April 25, 2016	A
30	TEST-15-00010-ARR-081-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16571) – A1(35MPa) Base of the Arraba Reservoir (2000 m 3)	Concrete	April 17, 2016	April 25, 2016	C
31	TEST-15-00010-MTR-082-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16418) – (A1(35MPaC))) Stair Case Between (Ground to First Land)Al-Mutilla Reservoir	Concrete	April 17, 2016	April 25, 2016	A
32	TEST-15-00010-MTR-083-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16435) – (A1(35MPaC))) Beams at Level One and Stair at Level One / Al-Mutilla Reservoir	Concrete	April 17, 2016	April 25, 2016	A
33	TEST-15-00010-MTR-084-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16508) – (B-30) Retaining Wall Stem Between Points (1-3) / Al-Mutilla Reservoir	Concrete	April 17, 2016	April 25, 2016	A
34	TEST-15-00010-MTR-085-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16538) – (A1(35MPaC))) columns above Level (1) and Stair Case Between Level (1) & (2) / Al-Mutilla Reservoir	Concrete	April 17, 2016	April 25, 2016	A
35	TEST-15-00010-KFR-086-A	07-Days Concrete Compressive Strength Test Reports(BM/CT/16529) – (B-30) Footing of Retaining Wall Between Points (3-7) & (1-2) of Kuferit Reservoir	Concrete	April 17, 2016	April 25, 2016	A
36	TEST-15-00010-KFR-087-A	Test Report for FDT (field Density Test) Sub –Grade (ST/FD/16175), (ST/16155) – at Kuferit Reservoir Area=127m2	FDT	April 17, 2016	April 25, 2016	C
37	TEST-15-00010-SWJ-088-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16031) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
38	TEST-15-00010-SWJ-089-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16035) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
39	TEST-15-00010-SWJ-090-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16036) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
40	TEST-15-00010-SWJ-091-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16037) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
41	TEST-15-00010-SWJ-092-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16042) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
42	TEST-15-00010-SWJ-093-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16045) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
43	TEST-15-00010-SWJ-094-A	Test Report for Sand equivalent (Crashed Lime Stone Aggregates /Somsom Size) (BM/QC/16056) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
44	TEST-15-00010-SWJ-095-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine Aggregate) (BM/QC/16055) – at University Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
45	TEST-15-00010-SWJ-096-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16041) – at Me'mar Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
46	TEST-15-00010-SWJ-097-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16053) – at Me'mar Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
47	TEST-15-00010-SWJ-098-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16054) – at Me'mar Concrete Factory	Silica sand	April 17, 2016	April 25, 2016	A
48	TEST-15-00010-SWJ-099-A	Test Report for Concrete Aggregates /Quality Verification Test (Concrete Coarse and fine Aggregates /Somsom Size, Adas size & Foul size) (BM/QC/16046) – at University Concrete Factory	Concrete Aggregates	April 17, 2016	April 25, 2016	A
49	TEST-15-00010-KFR-100-A	Test Report - reinforcement deformed steel Bars Ø16 Report # (BM/STL/16016) At Kuferit Reservoir	Concrete Aggregates	April 17, 2016	April 25, 2016	A
50	TEST-15-00010-SWJ-101-A	Test Report for Sand Equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16059) – at University Concrete Factory	Sand	April 21, 2016	April 25, 2016	A
51	TEST-15-00010-SWJ-102-A	Test Report for Sand Equivalent (Crashed Lime Stone Aggregates /Somsom Size) (BM/QC/16061) – at Yabad Concrete Factory	Sand	April 21, 2016	April 25, 2016	A
52	TEST-15-00010-SWJ-103-A	Test Report for Ordinary Portland Cement (Nasher) (BM/PC/16020) – (Nasher Company)	Cement	April 21, 2016	April 25, 2016	A
53	TEST-15-00010-JLR-104-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16505) – (B-20) Blinding Concrete Below Slab on – Grade (A=210m2) /Jalqamus Reservoir	Concrete	April 26, 2016	April 28, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
54	TEST-15-00010-JLR-105-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16500) – (B-30) Stem of Boundary Wall Between Points (4-5)and Footing of Boundary Wall Between Points (2-3) / Jalqamus Reservoir	Concrete	April 26, 2016		Pending
55	TEST-15-00010-JLR-106-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16520) – (B-30) Retaining Wall Between Points (1-2) / Jalqamus Reservoir	Concrete	April 26, 2016	April 28, 2016	C
56	TEST-15-00010-JLR-107-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16598) – (B-30) Retaining Wall Between Points (2-3) / Jalqamus Reservoir	Concrete	April 26, 2016	April 28, 2016	A
57	TEST-15-00010-KFR-108-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16493) – (B-20) Lean Concrete for Concrete Wall Through Points (1,2,3,4,5,6,7) of Kuferit Reservoir	Concrete	April 26, 2016	April 28, 2016	A
58	TEST-15-00010-KFR-109-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16499) – (B-30) Footing of Retaining Wall Between Points (4-5) of Kuferit Reservoir	Concrete	April 26, 2016		Pending
59	TEST-15-00010-JLR-110-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16584) – (A1(35MPa (C))) footing of Jalqamus Reservoir	Concrete	April 26, 2016	April 28, 2016	C
60	TEST-15-00010-KFR-111-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16585) – (B-30) Stem of Retaining Wall section (1-5) Between Points (2-3) length = 21m of Kuferit Reservoir	Concrete	April 26, 2016	April 28, 2016	A
61	TEST-15-00010-KFR-112-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16616) – (B-30) Retaining Wall Between Points (6-7) and wash out of Kuferit Reservoir	Concrete	April 26, 2016	April 28, 2016	A
62	TEST-15-00010-MTR-113-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16508) – (B-30) Retaining Wall Stem Between Points (1-3) / Al-Mutilla Reservoir	Concrete	April 26, 2016	April 28, 2016	A
63	TEST-15-00010-MTR-114-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16592) – (A1(35 MPa (C))) Beams at Second Level and Stairs Between Second land to Second Level / Al-Mutilla Reservoir	Concrete	April 26, 2016	April 28, 2016	A

QC SUBMITTALS LOG						
No.	**Submittal No.**	**Description**	**Submittal Classification**	**Submitted Date**	**Response Date**	**Status**
64	TEST-15-00010-ARR-115-A	28-Days Concrete Compressive Strength Test Reports (BM/CT/16491) – (B-20) Lean concrete Under Reservoir Floor Slab (A = 380 m2) Arraba Reservoir	Concrete	April 26, 2016	April 28, 2016	A
65	TEST-15-00010-SWJ-116-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16586) – (B-30) Field Trial Mix at Yabad ready Mix Concrete Plant	Concrete	April 26, 2016	April 28, 2016	A
66	TEST-15-00010-SWJ-117-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16615) – (A1(35 MPa (C))) Ready Mix Normal Concrete at Yabad Ready Mix Concrete Plant	Concrete	April 26, 2016	April 28, 2016	A

17. Inspection Requests

Eighty nine two inspection requests were issued during the reporting period , for more details, please refer to Annex F

S. No.	Description	Submitting Date	Date Inspection Required	Actual Return Date	Status
IR-15-00010-MTR-011-B	Excavation level at Al Mutilla Reservoir	April 18, 2016	April 18, 2016	April 18, 2016	A
IR-15-00010-SWJ -044-B	Inspecting for welding joint for preparing the welding procedure qualification record at storage yard, refer to accepted submittal no. SUB-15-00010-SWJ-069-B .	April 12, 2016	April 12, 2016	April 12, 2016	A
IR-15-00010-SWJ -114-B	Inspection for welder qualification test (7 welders ,welders ID will be submitted with certification) at Jalqamus Reservoir workshop.	April 25, 2016	April 26, 2016	April 27, 2016	A
IR-15-00010-KFR-119-B	Inspection of reduced level of reservoir foundation at Kuferit Reservoir.	April 6, 2016	April 6, 2016	April 7, 2016	A
IR-15-00010-JLR-134-B	Inspection of form work for foundation and slab on grade at Jalqamus Reservoir.	April 5, 2016	April 5, 2016	April 6, 2016	A
IR-15-00010-JLR-136-A	Inspection of installation of earthing system for foundation at Jalqamus Reservoir.	April 3, 2016	April 3, 2016	April 3, 2016	A
IR-15-00010-SWJ-137-A	Inspection of delivered Geotextile material as attached MRR.. At Jalqamus storage yard.	April 3, 2016	April 4, 2016	April 5, 2016	A
IR-15-00010-SWJ-138-A	Inspection of delivered precast manhole material as attached MRR. At Jalqamus storage yard.	April 3, 2016	April 4, 2016	April 5, 2016	A
IR-15-00010-SWJ-139-A	Inspection of delivered link seal material as attached MRR. At Jalqamus storage yard.	April 3, 2016	April 4, 2016	April 5, 2016	A
IR-15-00010-SWJ-140-A	Inspection of supplied stainless steel pipes and flanges as attached MRR at FIB (Hebron).	April 3, 2016	April 6, 2016	April 5, 2016	A
IR-15-00010-SWJ-141-A	Inspection of casting concrete for slab on grade, foundation and bases of columns for Arraba Reservoir.	April 3, 2016	April 4, 2016	April 5, 2016	A
IR-15-00010-KFR-142-A	Inspection of steel and formwork for retaining wall stem between sections 2 & 3 at Kuferit Reservoir.	April 4, 2016	April 4, 2016	April 5, 2016	C
IR-15-00010-KFR-142-B	Inspection of steel and formwork for retaining wall stem between sections 2 & 3 at Kuferit Reservoir.	April 6, 2016	April 6, 2016	April 7, 2016	A
IR-15-00010-KFR-143-A	Inspection of casting concrete for retaining wall stem between sections 2	April 5, 2016	April 5, 2016	April 5, 2016	C

	& 3 at Kuferit Reservoir.				
IR-15-00010-KFR-143-B	Inspection of casting concrete for retaining wall stem between sections 2 & 3 at Kuferit Reservoir.	April 6, 2016	April 6, 2016	April 7, 2016	A
IR-15-00010-JLR-144-A	Inspection of for steel reinforcement for slab on grade and foundation ,and form work and steel reinforcement for bases of columns for Jalqamus Reservoir..	April 5, 2016	April 5, 2016	April 7, 2016	A
IR-15-00010-JLR-145-A	Inspection of casting concrete for slab on grade, foundation and bases of columns for Jalqamus Reservoir.	April 5, 2016	April 6, 2016	April 5, 2016	C
IR-15-00010-JLR-145-B	Inspection of casting concrete for slab on grade, foundation and bases of columns for Jalqamus Reservoir.	April 6, 2016	April 6, 2016	April 7, 2016	A
IR-15-00010-KFR -146-A	Installation 6" wash out steel pipe line including concrete encasement at Kuferit reservoir	April 5, 2016	April 5, 2016	April 6, 2016	C
IR-15-00010-KFR -146-B	Installation 6" wash out steel pipe line including concrete encasement at Kuferit reservoir	April 10, 2016	April 10, 2016	April 11, 2016	A
IR-15-00010-JLR-147-A	Inspection of formwork and steel reinforcement for stem of Retaining wall between sections 2 & 3 at Jalqamus Reservoir..	April 5, 2016	April 5, 2016	April 6, 2016	A
IR-15-00010-JLR-148-A	Inspection of casting concrete for stem of Retaining wall between sections 2 & 3 at Jalqamus Reservoir..	April 5, 2016	April 5, 2016	April 6, 2016	A
IR-15-00010-SWJ-149-A	Correction of monthly environmental check list of Feb, 2016	April 6, 2016	April 6, 2016	April 7, 2016	C
IR-15-00010-SWJ-149-B	Correction of monthly environmental check list of Feb, 2017	April 10, 2016	April 10, 2016	April 12, 2016	A
IR-15-00010-MTR -150-A	Inspection of formwork and steel reinforcement for beams of 2nd level at Al Mutilla Reservoir.	April 6, 2016	April 7, 2016	April 7, 2016	A
IR-15-00010-MTR -151-A	Inspection of casting concrete for beams of 2nd level at Al Mutilla Reservoir.	April 7, 2016	April 9, 2016	April 10, 2016	A
IR-15-00010-KFR-152-A	Inspection of surface preparation for foundations of boundary wall and retaining wall prior to apply 1 st Bituminous coat from 2 to 7 and from 7 to 1 at Kuferit Reservoir.	April 7, 2016	April 7, 2016	April 7, 2016	C
IR-15-00010-KFR-152-B	Inspection of surface preparation for foundations of boundary wall and retaining wall prior to apply 1st Bituminous coat from 2 to 7 and from 7 to 1 at Kuferit Reservoir.	April 10, 2016	April 10, 2016	April 11, 2016	A
IR-15-00010-KFR-153-A	Inspection of 1st layer of Bituminous coat prior to apply 2nd layer of foundations for boundary wall and retaining wall at Kuferit Reservoir.	April 7, 2016	April 7, 2016	April 7, 2016	C
IR-15-00010-KFR-153-B	Inspection of 1st layer of Bituminous coat prior to apply 2nd layer of	April 17, 2016	April 17, 2016	April 18, 2016	A

		foundations for boundary wall and retaining wall at Kuferit Reservoir.				
	IR-15-00010-ARR-154-A	Inspection of surface preparation for outside reservoir foundation prior to apply 1st Bituminous coat at Arraba Reservoir.	April 10, 2016	April 10, 2016	April 10, 2016	C
	IR-15-00010-ARR-155-A	Inspection for start excavation for foundation of boundary wall from point 5 to point 8 at Arraba Reservoir.	April 10, 2016	April 10, 2016	April 10, 2016	C
	IR-15-00010-ARR-155-B	Inspection for start excavation for foundation of boundary wall from point 5 to point 8 at Arraba Reservoir.	April 12, 2016	April 12, 2016	April 13, 2016	A
	IR-15-00010-JLR-156-A	Inspection of formwork for stem of boundary wall between sections 2 & 3 at Jalqamus Reservoir..	April 10, 2016	April 10, 2016	April 10, 2016	A
	IR-15-00010-JLR-157-A	Inspection of casting concrete for stem of boundary wall between sections 2 & 3 at Jalqamus Reservoir..	April 10, 2016	April 11, 2016	April 11, 2016	A
	IR-15-00010-SWJ-158-A	Inspection of full face gasket as attached MRR. At Qabatia office storage.	April 11, 2016	April 11, 2016	April 11, 2016	A
	IR-15-00010-SWJ-159-A	Inspection of canusa heat shrinkable sheet as attached MRR. At Qabatia office storage.	April 11, 2016	April 11, 2016	April 11, 2016	A
	IR-15-00010-AJR-160-A	Implementing safety traffic plan for Ajja Reservoir.	April 11, 2016	April 11, 2016	April 12, 2016	A
	IR-15-00010-KFR-161-A	Inspection of steel reinforcement for retaining wall stem between sections 6 & 7 at Kuferit Reservoir as attached.	April 12, 2016	April 12, 2016	April 13, 2016	A
	IR-15-00010-SWJ-162-A	Inspection of PVC water stop & expandable water stop as attached MRR. At Qabatia office storage.	April 12, 2016	April 12, 2016	April 12, 2016	A
	IR-15-00010-KFR-163-A	Inspection of formwork for retaining wall stem between sections 6 & 7 at Kuferit Reservoir as attached.	April 13, 2016	April 13, 2016	April 14, 2016	A
	IR-15-00010-KFR-164-A	Inspection of casting concrete for retaining wall stem between sections 6 & 7 at Kuferit Reservoir as attached.	April 14, 2016	April 16, 2016	April 17, 2016	A
	IR-15-00010-JLR-165-A	Inspection of steel reinforcement for columns at Jalqamus Reservoir as attached.	April 14, 2016	April 14, 2016	April 14, 2016	C
	IR-15-00010-JLR-165-B	Inspection of steel reinforcement for columns at Jalqamus Reservoir as attached.	April 17, 2016	April 17, 2016	April 18, 2016	A
	IR-15-00010-MTR -166-A	Inspection of steel reinforcement for columns at 3rd level at Al Mutilla Reservoir.	April 14, 2016	April 14, 2016	April 14, 2016	A
	IR-15-00010-MTR -167-A	Inspection of formwork for columns at 3rd level at Al Mutilla Reservoir.	April 17, 2016	April 18, 2016	April 19, 2016	A
	IR-15-00010-ARR-168-A	Inspection of reduced level for excavation of boundary wall from point 5 to point 8 at Arraba Reservoir.	April 17, 2016	April 17, 2016	April 18, 2016	C

	IR-15-00010-ARR-168-B	Inspection of reduced level for excavation of boundary wall from point 5 to point 8 at Arraba Reservoir.	April 18, 2016	April 18, 2016	April 19, 2016	A
	IR-15-00010-ARR-169-A	Inspection of casting lean concrete for boundary wall from point 5 to point 8 at Arraba Reservoir.	April 17, 2016	April 18, 2016	April 18, 2016	C
	IR-15-00010-ARR-169-B	Inspection of casting lean concrete for boundary wall from point 5 to point 8 at Arraba Reservoir.	April 18, 2016	April 18, 2016	April 19, 2016	A
	IR-15-00010-KFR-170-A	Inspection of surface preparation of 6" wash out concrete encasement prior to apply 1st layer of Bituminous coat at Kuferit Reservoir.	April 17, 2016	April 18, 2016	April 19, 2016	A
	IR-15-00010-KFR-171-A	Inspection of 1st layer & 2nd Layer of Bituminous coat for 6" wash out concrete encasement prior to backfill works at Kuferit Reservoir.	April 17, 2016	April 18, 2016	April 19, 2016	A
	IR-15-00010-SWJ-172-A	Offsite Inspection for bare steel pipes DN150 prior to apply Coating and Lining. Certificates refer to attached certificate at FIP (Hebron) & MRR #12.	April 19, 2016	April 20, 2016	April 21, 2016	A
	IR-15-00010-KFR-173-A	Inspection of steel reinforcement for retaining wall stem from Point 7 to point 1 at Kuferit Reservoir.	April 20, 2016	April 20, 2016	April 21, 2016	A
	IR-15-00010-SWJ-174-A	Inspection of steel pipe sch 40 as attached MRR. At Jalqamus storage yard.	April 20, 2016	April 21, 2016	April 21, 2016	C
	IR-15-00010-ARR-175-A	Inspection of formwork and steel reinforcement for boundary wall foundation from point 5 to point 8 at Arraba Reservoir.	April 21, 2016	April 21, 2016	April 24, 2016	A
	IR-15-00010-ARR-176-A	Inspection of casting concrete for boundary wall foundation from point 5 to point 8 at Arraba Reservoir.	April 21, 2016	April 23, 2016	April 24, 2016	A
	IR-15-00010-TJT-177-A	Inspection of implementing safety traffic plan for Telfit-Jalqamus Transmission Pipeline.	April 24, 2016	April 24, 2016	April 25, 2016	A
	IR-15-00010-TJT-178-A	Inspection of april king the alignment of 6" pipeline for Telfit-Jalqamus Transmission Pipeline.	April 25, 2016	April 26, 2016	April 26, 2016	A
	IR-15-00010-TJT-179-A	Inspection of april king the alignment and location of chambers for Telfit-Jalqamus Transmission Pipeline.	April 25, 2016	April 26, 2016	April 26, 2016	A
	IR-15-00010-KFR-180-A	Inspection of formwork for retaining wall stem between sections7 & 1 at Kuferit Reservoir as attached.	April 24, 2016	April 24, 2016	April 25, 2016	A
	IR-15-00010-SWJ-181-A	Inspection of delivered FOSROC Material as attached MRR-013 At Jalqamus Storage Yard & Qabatia Office Store.	April 24, 2016	April 24, 2016	April 25, 2016	C
	IR-15-00010-SWJ-181-B	Inspection of delivered FOSROC Material as attached MRR-013 At Jalqamus Storage Yard & Qabatia Office Store.	April 26, 2016	April 26, 2016	April 27, 2016	A

	IR-15-00010-JLR-182-A	Inspection of internal formwork for reservoir wall at Jalqamus Reservoir.	April 24, 2016	April 24, 2016	April 25, 2016	C
	IR-15-00010-JLR-182-B	Inspection of internal formwork for reservoir wall at Jalqamus Reservoir.	April 26, 2016	April 26, 2016	April 27, 2016	C
	IR-15-00010-KFR-183-A	Inspection of 2nd layer of Bituminous coat prior to start backfill of foundations for boundary wall and retaining wall at Kuferit Reservoir.	April 24, 2016	April 24, 2016	April 25, 2016	A
	IR-15-00010-SWJ-184-A	Inspection of Stainless Steel Thimble and Access Manway as attached MRR. At Jalqamus storage yard.	April 25, 2016	April 25, 2016	April 27, 2016	A
	IR-15-00010-JLR-185-A	Inspection for location of Thimble (inlet ,outlet, altitude & overflow) and Access Manway at Jalqamus Reservoir.	April 25, 2016	April 25, 2016	April 26, 2016	A
	IR-15-00010-JLR-186-A	Inspection of formwork for columns at Jalqamus Reservoir as attached.	April 25, 2016	April 25, 2016	April 26, 2016	C
	IR-15-00010-JLR-186-B	Inspection of formwork for columns at Jalqamus Reservoir as attached.	April 26, 2016	April 26, 2016	April 27, 2016	A
	IR-15-00010-ARR-187-A	Inspection of steel reinforcement for reservoir columns at Arraba Reservoir as attached.	April 25, 2016	April 25, 2016	April 26, 2016	C
	IR-15-00010-ARR-187-B	Inspection of steel reinforcement for reservoir columns at Arraba Reservoir as attached.	April 27, 2016	April 27, 2016	April 28, 2016	A
	IR-15-00010-ARR-188-A	Inspection for location of Thimble (inlet ,outlet, altitude & overflow) and Access Manway at Arraba Reservoir.	April 25, 2016	April 25, 2016	April 26, 2016	A
	IR-15-00010-KFR-189-A	Inspection of casting concrete for retaining wall stem between sections 7 & 1 at Kuferit Reservoir as attached	April 25, 2016	April 25, 2016	April 25, 2016	A
	IR-15-00010-JLR-190-A	Inspection of surface preparation for retaining wall between section 1-3 before applying 1st Bituminous coat Layer at Jalqamus Reservoir.	April 25, 2016	April 25, 2016	April 27, 2016	A
	IR-15-00010-JLR-191-A	Inspection of 1st layer of Bituminous coat before applying 2nd layer coating of retaining wall between sections 1-3 at Jalqamus Reservoir.	April 25, 2016	April 25, 2016	April 27, 2016	A
	IR-15-00010-JLR-192-A	Inspection of 2nd layer of Bituminous coat before start backfilling of retaining wall between sections 1-3 at Jalqamus Reservoir.	April 26, 2016	April 26, 2016	April 27, 2016	A
	IR-15-00010-KFR-193-A	Inspection of steel reinforcement for retaining wall and boundary wall stem from Point 3 to point 6 at Kuferit Reservoir.	April 26, 2016	April 26, 2016	April 27, 2016	A
	IR-15-00010-AJR-194-A	Inspection of reduced level of boundary wall and retaining wall from section 1-7 and from section 1-2 ,and for retaining wall from 3-6 at Ajja Reservoir.	April 26, 2016	April 27, 2016	April 28, 2016	C
	IR-15-00010-SWJ-195-A	Inspection of fabrication for 6" steel elbow	April 26, 2016	April 26, 2016	April 27, 2016	A
	IR-15-00010-	Inspection of casting concrete for	April 27, 2016	April 27,	April 27, 2016	A

JLR-196-A	columns at Jalqamus Reservoir as attached.		2016		
IR-15-00010-MTR -197-A	Inspection of formwork and steel reinforcement for beams at level 3 and stairs from 3rd land to 3rd level at Al Mutilla Reservoir.	April 27, 2016	April 27, 2016	April 28, 2016	A
IR-15-00010-MTR -198-A	Inspection of casting concrete for beams at level 3 and stairs from 3rd land to 3rd level at Al Mutilla Reservoir	April 27, 2016	April 27, 2016	April 2, 2016	A
IR-15-00010-ARR-199-A	Inspection of formwork for reservoir columns at Arraba Reservoir as attached.	April 27, 2016	April 27, 2016	April 28, 2016	A
IR-15-00010-ARR-200-A	Inspection of casting concrete for reservoir columns at Arraba Reservoir as attached.	April 27, 2016	April 27, 2016	April 28, 2016	A
IR-15-00010-KFR-201-A	Inspection of formwork for retaining wall and boundary wall stem from Point 3 to point 6 at Kuferit Reservoir.	April 28, 2016	April 28, 2016	April 28, 2016	A
IR-15-00010-KFR-202-A	Inspection of casting concrete for retaining wall and boundary wall stem from Point 3 to point 6 at Kuferit Reservoir.	April 28, 2016	May 2, 2016		
IR-15-00010-AJR-204-A	Inspection of formwork for lean concrete under wall foundation from section 1-7 and 1-2 at Ajja Reservoir.	April 30, 2016	April 30, 2016	Pending	A
IR-15-00010-JLR-206-A	Inspection for steel reinforcement for reservoir wall at Jalqamus Reservoir.	April 28, 2016	April 30, 2016	Pending	A

18. Noncompliance report log-NCR

No NCR's were issued during this reporting period.

19. Submittals

A total of fifty nine submittals were submitted during the reporting period as per the following table, 18 with status A, 5 with status B, 16 with status C and 20 still pending. for complete listing of submittals refer to Annex I, Submittal Log.

TASK ORDER SUBMITTALS LOG

Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
SUB-15-00010-SWJ-025-B	Concrete Batch Plants	Pre-Construction	April 12, 2016	April 18, 2016	A
~~SUB-15-00010-SWJ-054-C~~	~~Booster Pumps/KSB~~	~~Material-Mec~~	~~March 27, 2016~~	~~March 31, 2016~~	~~Retracted~~
SUB-15-00010-SWJ-054-C	Booster Pumps/KSB	Material-Mec	April 12, 2016	April 27, 2016	B
SUB-15-00010-SWJ-065-C	Strainer/ Y-Type	Material-Mec	March 9, 2016	March 13, 2016	B
SUB-15-00010-SWJ-068-B	Mechanical Coupling/FlexLock	Material-Mec	April 12, 2016	April 18, 2016	E
SUB-15-00010-SWJ-080-B	Colored PVC Pipes-Conduit for Power and Light	Material-Elec	April 12, 2016	April 19, 2016	E
SUB-15-00010-SWJ-087-B	Traffic Control Plan	Pre-Construction	March 10, 2016	April 5, 2016	B
SUB-15-00010-SWJ-093-B	Class B35 Cylinder Concrete Ready Mix Design(Zakarneh Batch Plant)	Pre-Construction	April 12, 2016	April 18, 2016	A
SUB-15-00010-SWJ-095-B	B35 Concrete Ready Mix Design-Me'mar Batch plant	Pre-Construction	April 12, 2016	April 18, 2016	A
SUB-15-00010-MTR-098-C	Al Mutilla Elevated Reservoir piping Plan & Sections	Shop Drawing	March 13, 2016	April 7, 2016	B
SUB-15-00010-SWJ-104-B	B20/B25/B30/B35 Concrete Ready Mix Design-(Zakarneh Batch Plant)	Pre-Construction	April 12, 2016	April 18, 2016	A
SUB-15-00010-SWJ-116-B	Internal Epoxy Coating - Nitocote EP406	Method Statement	March 24, 2016	April 5, 2016	A
SUB-15-00010-SWJ-136-C	Manhole Steps-Samples and Data	sample	April 24, 2016	May 4, 2016	B
SUB-15-00010-SWJ-151-C	Swellable Water Stop (SW10) Method Statement	Method Statement	April 12, 2016	April 18, 2016	A
SUB-15-00010-SWJ-155-B	Welder's Qualification Testing Report	Pre-Construction	April 3, 2016	April 11, 2016	C
SUB-15-00010-SWJ-155-C	Welder's Qualification Testing Report	Pre-Construction	April 17, 2016	April 28, 2016	B
SUB-15-00010-SWJ-158-B	Pipe Heat Shrinkable Sleeve and Tape	Material-Mec	March 2, 2016	March 14, 2016	A
SUB-15-00010-KFR-165-C	At Grade 500 m3 Kuferit Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 1, 2016	March 3, 2016	A
SUB-15-00010-AJR-166-C	At Grade 1000 m3 Ajja Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 9, 2016	March 13, 2016	A
SUB-15-00010-KRR-167-C	At Grade 1000 m3 Kafer Ra'i Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 2, 2016	March 3, 2016	A
SUB-15-00010-SWJ-172-C	Steel Fence & Post for Reservoir and Booster Station- With Samples	Sample	March 10, 2016	March 17, 2016	A
SUB-15-00010-SWJ-177-B	Alternative Bermad Combination Air Valve 2",3 " & 4"	Material-Mec	April 20, 2016	April 21, 2016	E
SUB-15-00010-TJT-188-C	Shop Drawings-Telfit - Jalqamus Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+137-For Construction	Shop Drawing	April 12, 2016	April 26, 2016	A
SUB-15-0010-KRR-190-B	Shop Drawing for Retainig Wall for Kafer Ra'I Reservoir	Shop Drawing	March 30, 2016	April 7, 2016	B

TASK ORDER SUBMITTALS LOG

Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
SUB-15-00010-SWJ-192-B	Precast Manholes 2.5 X 2 m Clear Dimension ADDASI Company Product	Material-Mec	March 9, 2016	March 15, 2016	A
SUB-15-00010-ARR-206-B	Arraba 2000m3 Reservoir Thimble Plan-For Construction	Material-Mec	April 17, 2016	April 24, 2016	A
SUB-15-00010-ARR-210-B	Arraba 2000 m3 Reservoir Under Drain Plan	Shop Drawing	March 7, 2016	March 14, 2016	A
SUB-15-00010-SMT-211-B	Sanur Connection Champers Shop Drawings	Shop Drawing	March 14, 2016	March 31, 2016	B
SUB-15-00010-JLR-216-B	Jalqamus 1000m3 Reservoir Thimble & Under Drain Plan-for Construction	Material-Mec	March 9, 2016	March 24, 2016	A
SUB-15-00010-SWJ-221-B	Installation Testing of CP Reference Electrodes Test Station	Material-Mec	April 19, 2016	April 28, 2016	C
SUB-15-00010-SWJ-222-B	Stainless Steel Bolts and Nuts	Material-Mec	March 19, 2016	April 13, 2016	B
SUB-15-00010-SMT-225-B	Sanur Meithalun Flow Monitoring Vault Shop Drawings	Shop Drawing	March 17, 2016	April 5, 2016	C
SUB-15-00010-SMT-225-C	Sanur Meithalun Flow Monitoring Vault Shop Drawings	Shop Drawing	April 10, 2016	April 26, 2016	E
SUB-15-00010-JLT-229-B	Shop Drawings Jalqamus- Umatut Force Line (6'') Plan, Profile & Typical Section From STA. 0+186 - to STA. 1+871-For Construction	Shop Drawing	March 30, 2016	April 24, 2016	A
SUB-15-00010-SWJ-232-B	SikaTop Seal 107 Material For Internal coating	Method Statement	March 24, 2016	April 7, 2016	E
SUB-15-00010-KFR-234-A	At Grade 500 m³ Kuferit Reservoir Earthing and Site Layout Electrical Shop Drawings	Shop Drawing	March 2, 2016	March 14, 2016	C
SUB-15-00010-KRR-235-A	Dilapidation Survey(Kafer Ra'i Reservoir)	Pre-Construction	March 2, 2016	March 24, 2016	A
SUB-15-00010-AJR-236-A	Dilapidation Survey(Ajja Pipeline)	Pre-Construction	March 3, 2016	March 15, 2016	A
SUB-15-00010-SWJ-237-A	Swellable Water Stop (SW30) Method Statement	Method Statement	March 6, 2016	March 22, 2016	B
SUB-15-00010-JMT-238-A	Shop Drawings Jalqamus- Mughayyir Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+752	Shop Drawing	March 8, 2016	March 22, 2016	C
SUB-15-00010-JMT-238-B	Shop Drawings Jalqamus- Mughayyir Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+753	Shop Drawing	March 23, 2016	April 5, 2016	C
SUB-15-00010-JMT-238-C	Shop Drawings Jalqamus- Mughayyir Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+754-For Construction	Shop Drawing	April 19, 2016	May 4, 2016	A
SUB-15-00010-KFR-239-A	Kuferit 500m3 Reservoir Thimble & Under Drain Plan	Material-Mec	March 9, 2016	March 15, 2016	B
SUB-15-00010-KFR-239-B	Kuferit 500m3 Reservoir Thimble & Under Drain Plan-For Construction	Material-Mec	March 20, 2016	April 5, 2016	B
SUB-15-00010-SWJ-240-A	Welder Qualifications (CV's and ID's)	Material-Mec	March 9, 2016	March 15, 2016	E
SUB-15-00010-AJR-241-A	At Grade 1000 m³ Ajja Reservoir Earthing and Site Layout Electrical Shop Drawings	Shop Drawing	March 9, 2016	March 21, 2016	C

TASK ORDER SUBMITTALS LOG

Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
SUB-15-00010-SWJ-242-A	250mm Gate Valve Chamber Mechanical Drawing	Material-Mec	March 13, 2016	March 22, 2016	C
SUB-15-00010-SWJ-242-B	250mm Gate Valve Chamber Mechanical Drawing	Material-Mec	March 27, 2016	April 7, 2016	B
SUB-15-00010-SWJ-242-C	250mm Gate Valve Chamber Mechanical Drawing-For Construction	Material-Mec	April 19, 2016	April 27, 2016	A
SUB-15-00010-CHR-243-A	Chamber Rehabilitation Dilapidation Survey	Pre-Construction	March 13, 2016	March 22, 2016	C
SUB-15-00010-CHR-243-B	Chamber Rehabilitation Dilapidation Survey	Pre-Construction	April 10, 2016	April 21, 2016	A
SUB-15-00010-MTN-244-A	Al-Mutilla Network Dilapidation Survey	Pre-Construction	March 13, 2016	March 31, 2016	A
SUB-15-00010-JMT-245-A	Shop Drawings Mughayyir Al-Mutilla Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 1+685	Shop Drawing	March 14, 2016	March 23, 2016	C
SUB-15-00010-JMT-245-B	Shop Drawings Mughayyir Al-Mutilla Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 1+686	Shop Drawing	March 31, 2016	April 24, 2016	C
SUB-15-00010-SWJ-246-A	Updated CPM Schedule Submittal February 29,2016	Pre-Construction	March 15, 2016	April 10, 2016	C
SUB-15-00010-AJR-247-A	Dilapidation Survey (Ajja Reservoir)	Pre-Construction	March 16, 2016	March 22, 2016	A
SUB-15-00010-KFR-248-A	Geotechnical Inspection Report For Kuferit Reservoir	Pre-Construction	March 17, 2016	March 22, 2016	E
SUB-15-00010-MTB-249-A	Main Distribution Board	Material-elec	March 20, 2016	March 28, 2016	C
SUB-15-00010-MTB-249-B	Main Distribution Board	Material-elec	April 14, 2016	April 24, 2016	C
SUB-15-00010-SMT-250-A	Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10"+6")Plan, Profile & Typical Section(Meithalon Well) From STA. 0+000 - 0+134 (10")From STA. 0+000 - 0+086 (10"+6")	Shop Drawing	March 20, 2016	April 5, 2016	C
SUB-15-00010-SMT-250-B	Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10"+6")Plan, Profile & Typical Section(Meithalon Well) From STA. 0+000 - 0+134 (10")From STA. 0+000 - 0+086 (10"+6")	Shop Drawing	April 12, 2016	April 26, 2016	E
SUB-15-00010-AJR-251-A	Traffic Plan for Ajja Reservoir	Pre-Construction	March 23, 2016	April 14, 2016	A
SUB-15-00008-SWJ-252 -A	Temporary Storage Yard Location	Pre-Construction	March 24, 2016	April 10, 2016	C
SUB-15-00008-SWJ-252 -B	Temporary Storage Yard Location	Pre-Construction	April 12, 2016	May 4, 2016	C
SUB-15-00008-SWJ-253-A	Method Statement and Material for Internal Epoxy Coating	Method Statement	March 24, 2016	April 10, 2016	B
SUB-15-00008-SWJ-254-A	Traffic Control Plan Night Works	Pre-Construction	March 24, 2016	April 19, 2016	B
SUB-15-0010-MTB-255-A	Shop Drawing for Retaining Wall For Al-Mutilla Booster Pump	Shop Drawing	March 27, 2016	April 7, 2016	B
SUB-15-00010-MTR-256-A	Motorized Gate Valves	Material-Mec	March 27, 2016	April 11, 2016	D

TASK ORDER SUBMITTALS LOG

Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
SUB-15-00008ARR-257-A	Method Statement for Cast of Concrete for Reservoirs-Foundation and Walls	method Statement	March 27, 2016	April 19, 2016	B
SUB-15-00010-SMT-258	Meithalon Outlet Connection Chamber	Shop Drawing	March 27, 2016	April 26, 2016	E
SUB-15-00010-AJR-259-A	Ajja 1000 m3 Reservoir Thimble & Under Drain Plan	Material-Mec	March 28, 2016	April 19, 2016	C
SUB-15-00010-AJR-259-B	Ajja 1000 m3 Reservoir Thimble & Under Drain Plan	Material-Mec	April 21, 2016	May 5, 2016	C
SUB-15-00010-AJP-260-A	Shop Drawings Plan, Profile & Typical Section Ajja Force Line (8'') From STA. 0+027 - 1+091 Ajja Feeder Line (8'') From STA. 0+027 - 0+443	Shop Drawing	March 28, 2016	April 24, 2016	C
SUB-15-00010-AJR-261-A	Ajja Dump Area	Pre-Construction	March 29, 2016	April 21, 2016	A
SUB-15-00010-TJT-262-A	AUU Connection Chamber Shop Drawings	Shop Drawing	March 31, 2016	April 14, 2016	C
SUB-15-00010-TJT-263-A	TANIN Connection Chamber	Shop Drawing	March 31, 2016	April 24, 2016	C
SUB-15-00010-JMT-264-A	Mughayyir Connection Chamber Shop Drawings	Shop Drawing	April 3, 2016	April 24, 2016	C
SUB-15-00010-JLT-265-A	Jalqamus Connection Chamber Shop Drawings	Shop Drawing	April 3, 2016	April 24, 2016	C
SUB-15-00010-JLT-266-A	Umatut Connection Chamber Shop Drawings	Shop Drawing	April 3, 2016	April 24, 2016	C
SUB-15-00010-AJR-267-A	Excavation Plan For Ajja Reservoir	Pre-Construction	April 3, 2016	April 24, 2016	C
SUB-15-00010-KRR-268-A	Excavation Plan For Kafer Ra'i Reservoir	Pre-Construction	April 5, 2016	April 24, 2016	C
SUB-15-00010-SWJ-269 -A	Method Statement for Cast of Concrete for Reservoirs (Foundation and Walls)1000 m3 Reservoirs	Method Statement	April 5, 2016	April 25, 2016	B
SUB-15-00010-AJP-270-A	Shop Drawings, Plan, Profile & Typical Section Ajja Feeder Line (8'') From STA. 0+443 - 1+260	Shop Drawing	April 7, 2016	April 19, 2016	B
SUB-15-00010-KRR-271-A	Kafer Ra'I 1000 m3 Reservoir Thimble & Under Drain Plan	Shop Drawing	April 10, 2016	April 24, 2016	C
SUB-15-00010-SWJ-272-A	Light Fixture	Pre-Construction	April 11, 2016	April 24, 2016	C
SUB-15-00010-SWJ-272-B	Light Fixture	Pre-Construction	April 26, 2016	May 4, 2016	A
SUB-15-00010-AJP-273-A	Traffic Plan for Ajja Pipeline	Pre-Construction	April 11, 2016	April 19, 2016	C
SUB-15-00010-YKT-274-A	Traffic Plan for Kuferit Pipeline	Pre-Construction	April 11, 2016	April 19, 2016	C
SUB-15-00010-SWJ-275-A	Contractor's Corrosion Engineer Qualifications	Pre-Construction	April 12, 2016	May 4, 2016	A
SUB-15-00010-SWJ-276-A	QC Matrix	Pre-Construction	April 12, 2016	April 26, 2016	C
SUB-15-00010-SWJ-277-A	Swing check DN50 & Smaller	Pre-Construction	April 13, 2016	April 19, 2016	D
SUB-15-00010-SWJ-278-A	Updated CPM Schedule Submittal March 31,2016	Pre-Construction	April 14, 2016	April 28, 2016	C
SUB-15-00010-SWJ-279-A	Thioflex 600 Material & Method Statement	method Statement	April 14, 2016	May 4, 2016	A
SUB-15-00010-SWJ-280-A	Float Level Indicator Shop Drawing	Shop Drawing	April 17, 2016	May 3, 2016	C

TASK ORDER SUBMITTALS LOG

Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
SUB-15-00010-TJT-281-A	AAU Connection Chamber Shop Drawings	Shop Drawing	April 18, 2016	May 9, 2016	C
SUB-15-00010-SWJ-282-A	SWJ Flow Control Valve	Materila-Mec	April 18, 2016	May 8, 2016	C
SUB-15-00010-SWJ-283-A	SWJ Pressure Reducing Valve	Materila-Mec	April 18, 2016	May 17, 2016	C
SUB-15-00010-SWJ-284-A	Altitude Level Control Valve	Materila-Mec	April 18, 2016	May 5, 2016	C
SUB15-00010-SWJ-285-A	BILCO Hatches		April 19, 2016	April 28, 2016	A
SUB-15-00010-TJT-286-A	Specific Method of Statement for Pipeline Construction-Talefit –Jalqamus Transmission Pipeline	Method Statement	April 19, 2016	May 15, 2016	B
SUB-15-00010-SWJ-287-A	Floor Drain	Method Statement	April 20, 2016	April 27, 2016	C
SUB-15-00010-TJT-288-A	Telfit - Jalqamus pipe line Fabricated Elbows Design	Material-Mec	April 19, 2016	April 28, 2016	A
SUB-15-00010-SWJ-289-A	75mm AVAR Mechanical Drawing	Shop Drawing	April 20, 2016	April 28, 2016	C
SUB-15-00010-ARR-290-A	Updated at Grade 2000 m3 Arraba Reservoir Formwork Drawings	Shop Drawing	April 20, 2016	May 11, 2016	C
SUB-15-00010-SWJ-291-A	Washout chamber DN:100,75 mm Mechanical Drawing	Shop Drawing	April 20, 2016	April 28, 2016	C
SUB-15-00010-SWJ-292-A	Welder Qualification (CV,ID)Complementary	Material-Mec	April 21, 2016	May 8, 2016	A
SUB-15-00010-YKT-293-A	Shop Drawings Plan, Profile & Typical SectionKuferit Force Line (6") From STA. 0+000 - 2+460	Shop Drawing	April 21, 2016	May 12, 2016	B
SUB-15-00010-SWJ-294-A	DN: 200,150mm Gate Valve Chamber Mechanical Drawing	Shop Drawing	April 21, 2016	April 28, 2016	B
SUB-15-00010-MTB-295-A	Excavation Plan For Al Mutilla Booster Station	Pre-Construction	April 24, 2016	May 11, 2016	A
SUB-15-00010-ARR-296-A	Arraba 2000 m3 Reservoir Yard Piping and Fabrication Drawing	Shop Drawing	April 25, 2016	May 10, 2016	C
SUB-15-00010-TJT-297-A	Detour of Telfit-Jalqamus Transmission Pipeline (Dilapidation Survey Video)	Pre-Construction	April 25, 2016	May 4, 2016	A
SUB-15-00010-KFR-298-A	Detour of Yabad-Kuferit Transmission Pipeline (Dilapidation Survey Video)	Pre-Construction	April 25, 2016	May 4, 2016	A
A:	No Exceptions Noted				
B:	Make Corrections Noted				
C:	Amend - Resubmit				
D:	Rejected - Resubmit				
E:	Review Not Required				

20. Request for Information

Five Requests for Information were issued during the reporting period – For more details, please refer to Annex J.

No.	RFI No.	Project	Description	Submitted Date	Response Date
1.	RFI-15-00010-SWJ-C-E-013	SWJ	Metal Work in the Project – Aluminum Handrail	April 3, 2016	April 10, 2016
2.	RFI-15-00010-SWJ-C-E-014	SWJ	Air Valves Construction Material	April 10, 2016	April 18, 2016
3.	RFI-15-00010-SWJ-C-E-015	SWJ	Control Valve Downstream Pressure and Flow Set Point	April 13, 2016	April 26, 2016
4.	RFI-15-00010-ARR-C-E-016	SWJ	Replace of 25mm Steel Bars to 20 mm Steel Bars with the same steel area.	April 14, 2016	April 18, 2016
5.	RFI-15-00010-ARR-C-E-017	SWJ	Cost Comparison - RFI-009 & RFI-011 / Flowmeter for Reservoirs and Chambers – System Upgrade proposal	April 17, 2016	Pending

21. Letters and Correspondence with USAID

a. Ten emails were received from USAID representative during this reporting period as per Table 22.1 (Incoming emails), for more information please refer to Annex K (Submittal Log).

b. Eleven emails were sent to USAID representative to Morganti during this reporting period as per Table 22.2, (Outgoing emails), for more information please refer to Annex K (Submittal Log).

Table 22.1 , (Incoming emails)

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	TMGI-15-00010-IN-0038	Re: SWJ-Vetting Request- Al Darb For Water , Irrigation and Sewage Supply	Kamal Kasbary	USAID	Ghassan Alami	Morganti	April 5, 2016
2	TMGI-15-00010-IN-0039	Re: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	April 7, 2016
3	TMGI-15-00010-IN-0040	Re: SWJ Project - Key Personnel Approval - CWI	Kamal Kasbary	USAID	Ghassan Alami	Morganti	April 8, 2016
4	TMGI-15-00010-IN-0041	Re: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	April 11, 2016
5	TMGI-15-00010-IN-0042	Re: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016 R5	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	April 11, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
6	TMGI-15-00010-IN-0043	Re: TO-15-10-SWJ: Construction Monthly Progress # 05 for March , 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	April 18, 2016
7	TMGI-15-00010-IN-0044	Re: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	April 18, 2016
8	TMGI-15-00010-IN-0045	Re: 15-000010 SWJ: Status update	Kamal Kasbary	USAID	Ghassan Alami	Morganti	April 19, 2016
9	TMGI-15-00010-IN-0046	Re: 15-000010 SWJ: Status update	Kamal Kasbary	USAID	Ghassan Alami	Morganti	April 19, 2016
10	TMGI-15-00010-IN-0046	FW: USAID - SWJ Site Visit, April 20, 2016	Kamal Kasbary	USAID	Ghassan Alami; Tharwat Abu Baker; Safi, Adnan; Siag, Abe; Najajreh, Mukhles;	Morganti & BV	April 19, 2016

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	TMGI-15-00010-OUT-0038	RE: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 3, 2016
2	TMGI-15-00010-OUT-0038	RE: TO-15-10-SWJ: Construction Monthly Progress # 05 for March , 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 5, 2016
3	TMGI-15-00010-OUT-0038	RE: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 9, 2016
4	TMGI-15-00010-OUT-0038	FW: TO 15-10 SWJ : Denation Number- Kamal Emailes	Ghassan Alami	Morganti	Kamal Kasbary	USAID	April 9, 2016

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
5	TMGI-15-00010-OUT-0038	RE: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 11, 2016
6	TMGI-15-00010-OUT-0038	RE: TO 15-00010 SWJ: Contractor's Monthly Progress Report #04- February 2016 R5	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 11, 2016
7	TMGI-15-00010-OUT-0038	RE: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 18, 2016
8	TMGI-15-00010-OUT-0038	: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 18, 2016

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
9	TMGI-15-00010-OUT-0038	TO 15-00010 SWJ-Proposed Manhole Cover Inscription	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 19, 2016
10	TMGI-15-00010-OUT-0038	FW: TO-15-00010-SWJ: Pipe Marking	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 20, 2016
11	TMGI-15-00010-OUT-0038	FW: SWJ - Donation Number Request for S.AL Technologies & Al Darb Co.	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	April 26, 2016

22. .Transmittals

Transmittal No.	Description	Submitting Date
TRS.0010.C-E-080	SUB-15-00010-JLT-266-A Umatut Connection Chamber Shop Drawings SUB-15-00010-AJR-267-A Excavation Plan For Ajja Reservoir	April 03, 2016
TRS.0010.C-E-082	SUB-15-00010-KRR-268-A Excavation Plan For Kafer Ra'i Reservoir SUB-15-00010-SWJ-269 -A Method Statement for Cast of Concrete for Reservoirs (Foundation and Walls)1000 m3 Reservoirs	April 05, 2016
TRS.0010.C-E-083	B-15-00010-AJP-270-A "Shop Drawings, Plan, Profile & Typical Section Ajja Feeder Line (8") From STA. 0+443 - 1+260"	April 07, 2016
TRS.0010.C-E-084	B-15-00010-SMT-225-C Sanur Meithalun Flow Monitoring Vault Shop Drawings B-15-00010-CHR-243-B Chamber Rehabilitation Dilapidation Survey SUB-15-00010-KRR-271-A Kafer Ra'I 1000 m3 Reservoir Thimble & Under Drain Plan	April 10, 2016
TRS.0010.C-E-085	SUB-15-00010-SWJ-272-A Light Fixture SUB-15-00010-AJP-273-A Traffic Plan for Ajja Pipeline SUB-15-00010-YKT-274-A Traffic Plan for Kuferit Pipeline	April 11, 2016
TRS.0010.C-E-086	SUB-15-00010-SWJ-025-B Concrete Batch Plants SUB-15-00010-SWJ-054-C Booster Pumps/KSB SUB-15-00010-SWJ-068-B Mechanical Coupling/FlexLock SUB-15-00010-SWJ-080-B Colored PVC Pipes-Conduit for Power and Light SUB-15-00010-SWJ-093-B Class B35 Cylinder Concrete Ready Mix Design(Zakarneh Batch Plant) SUB-15-00010-SWJ-095-B B35 Concrete Ready Mix Design-Me'april Batch plant SUB-15-00010-SWJ-104-B B20/B25/B30/B35 Concrete Ready Mix Design-(Zakarneh Batch Plant) SUB-15-00010-SWJ-151-C Swellable Water Stop (SW10) Method Statement SUB-15-00010-TJT-188-C Shop Drawings-Telfit - Jalqamus Force Line (6") Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+137-For Construction SUB-15-00010-SMT-250-B "Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10"+6"")Plan, Profile & Typical Section(Meithalon Well) From STA. 0+000 - 0+134 (10"")From STA. 0+000 -	April 12, 2016

	0+086 (10""+6"")" SUB-15-00008-SWJ-252 -B Temporary Storage Yard Location SUB-15-00010-SWJ-275-A Contractor's Corrosion Engineer Qualifications SUB-15-00010-SWJ-276-A QC Matrix	
TRS.0010.C-E-087	SUB-15-00010-SWJ-277-A Swing check DN50 & Smaller	April 13, 2016
TRS.0010.C-E-088	SUB-15-00010-MTB-249-B Main Distribution Board SUB-15-00010-SWJ-278-A Updated CPM Schedule Submittal March 31,2016 SUB15-00010-SWJ-279-A Thioflex 600 Material & Method Statement	April 14, 2016
TRS.0010.C-E-089	SUB-15-00010-SWJ-155-C Welder's Qualification Testing Report SUB-15-00010-ARR-206-B Arraba 2000m3 Reservoir Thimble Plan-For Construction SUB-15-00010-SWJ-280-A Float Level Indicator Shop Drawing	April 17, 2016
TRS.0010.C-E-090	SUB-15-00010-TJT-281-A AAU Connection Chamber Shop Drawings SUB-15-00010-SWJ-282-A SWJ Flow Control Valve SUB-15-00010-SWJ-283-A SWJ Pressure Reducing Valve SUB-15-00010-SWJ-284-A Altitude Level Control Valve	April 18, 2016
TRS.0010.C-E-091	SUB-15-00010-SWJ-221-B Installation Testing of CP Reference Electrodes Test Station SUB-15-00010-JMT-238-C "Shop Drawings Jalqamus- Mughayyir Force Line (6") Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+754-For Construction" SUB-15-00010-SWJ-242-C 250mm Gate Valve Chamber Mechanical Drawing-For Construction SUB15-00010-SWJ-285-A BILCO Hatches SUB-15-00010-TJT-286-A Specific Method of Statement for Pipeline Construction-Talefit –Jalqamus Transmission Pipeline SUB-15-00010-TJT-288-A Telfit - Jalqamus pipe line Fabricated Elbows Design	April 19, 2016
TRS.0010.C-E-092	SUB-15-00010-SWJ-177-B Alternative Bermad Combination Air Valve 2",3 " & 4" SUB-15-00010-SWJ-287-A Floor Drain SUB-15-00010-SWJ-289-A 75mm AVAR Mechanical Drawing SUB-15-00010-ARR-290-A Updated at Grade 2000 m3 Arraba Reservoir Formwork Drawings SUB-15-00010-SWJ-291-A "Washout chamber	**April 20, 2016**

	DN:100,75 mm Mechanical Drawing"	
TRS.0010.C-E-093	SUB-15-00010-AJR-259-B Ajja 1000 m3 Reservoir Thimble & Under Drain Plan SUB-15-00010-SWJ-292-A Welder Qualification (CV,ID)Complementary SUB-15-00010-YKT-293-A "Shop Drawings Plan, Profile & Typical SectionKuferit Force Line (6") From STA. 0+000 - 2+460" SUB-15-00010-SWJ-294-A DN: 200,150mm Gate Valve Chamber Mechanical Drawing	**April 21, 2016**
TRS.0010.C-E-094	SUB-15-00010-SWJ-136-C Manhole Steps-Samples and Data SUB-15-00010-MTB-295-A Excavation Plan For Al Mutilla Booster Station	April 24, 2016
TRS.0010.C-E-095	SUB-15-00010-ARR-296-A Arraba 2000 m3 Reservoir Yard Piping and Fabrication Drawing B-15-00010-TJT-297-A "Detour of Telfit-Jalqamus Transmission Pipeline (Dilapidation Survey Video)" B-15-00010-KFR-298-A "Detour of Yabad-Kuferit Transmission Pipeline(Dilapidation Survey Video)"	April 25, 2016
TRS.0010.C-E-096	SUB-15-00010-SWJ-272-B Light Fixture	April 26, 2016

23. Payments:

One payment was issued during this reporting period ,for more detail for payment schedule refer to annex L,

Payment No.	Description	Submitted Date	Amount	Amount Received	Date Received
PAY-15-00010-SWJ-003	Progress payment # 3	April 27, 2016	$ 284,339.11		Pending

24. Variation Orders

VO. No.	Description	VO Status	USAID Approval date	Variation Order Amount	Time Extension Days

No variation orders issued during this reporting period. for more detail for payment schedule refer to annex

25. Variation Order Requests

No variation orders request issued during this reporting period. for more detail for payment schedule refer to annex

VO. No.	Description	Submission Date .	Variation Order Amount	Time Extension Days

26. Obstacles and Challenges

There were many obstacles were taken place during this period, such as 2 days heavy rainy weather, high speed wind and very low temperature in all projects in this task order.
The differing site conditions and variations in Kufer Rai affected the progress of work.

27. PROGRESS PHOTOS (GENERAL)

SWJ -1 Fence at Kufer Rai Reservoir

SWJ -1 Walkthrough with PALTEL

SWJ -1 Jalqamus Storage yard – Safety signs

SWJ -2 Jalqamus Storage yard- Concrete Barriers

SWJ -1 Progress Meeting

SWJ -1 6" pipes delivery in FIP Factory

SWJ -1 6" pipes delivery in Fip Factory

SWJ -1 6" pipes external coating in FIP Factory

SWJ -1 6" pipes Internal Lining in FIP Factory

SWJ -3 April king and Survey Works in Talfit _ Jalqamus Line

SWJ -1 Inspection of implementation of safety plane at Talfeet _ Jalqamus Line

SWJ -5 Bi-Weekly Meeting No. 10

28. PROGRESS PHOTOS (ARRABA)

ARR-1 Water Stop and slop pads works

ARR-2 Backfilling works

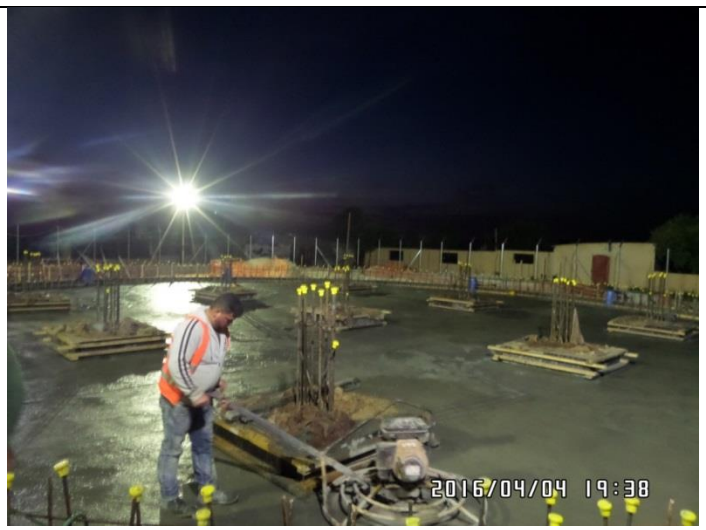
ARR-1 Water Stop and slop pads works

ARR-1 Toolbox meeting before concrete casting works

ARR-2 Sampling of concrete cubes

ARR-4 Complete casting of Concrete

ARR-3 Concrete surface treatment



ARR-6 Concrete surface treatment

ARR-1 concrete curing works

ARR-2 Dust control after Concrete works

ARR-1 Concrete curing works

ARR-2 Backfilling works

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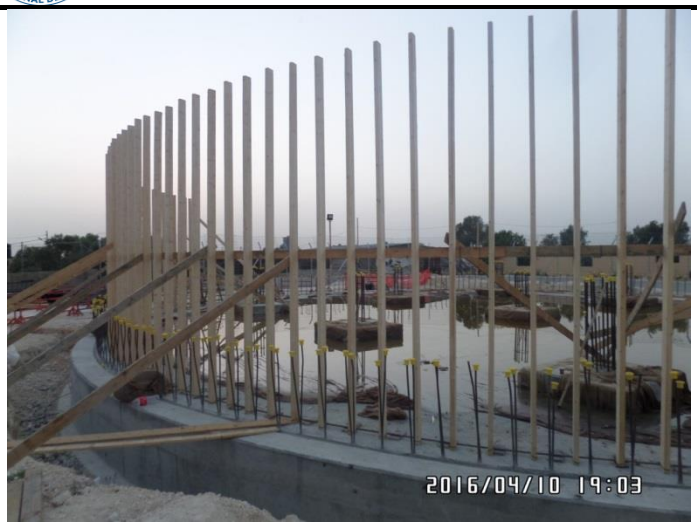

ARR-1 Reservoir Wall formworks

ARR -1 Site Visit to Arraba Reservoir Site

ARR-1 Backfilling works around reservoir.

ARR-2 General Site View

ARR-1 General Site View

ARR-1 scaffolding works

ARR-1 General Site View

ARR-2 Columns Steel works

ARR-1 Casting lean concrete for boundary wall

ARR -1 Site Visit to Arraba Reservoir with USAID

ARR-1 General Site View

ARR-1 Toolbox Meeting

ARR-1 Casting Reservoir Columns	

29. PROGRESS PHOTOS (JALQAMUS)

JLR -1 Formwork of retaining wall stem

JLR -2 Concrete curing works

JLR -1 water stop in reservoir foundation

JLR -2 Formwork of boundary wall

JLR -1 complete work on reservoir foundation

JLR -2 Slab on grade steel works

JLR -2 Inspection of Batch plant control room

JLR -1 complete casting works on reservoir foundation

JLR -1 curing of concrete for reservoir foundation

JLR-1 Continue formwork for boundary wall from section 2 to 3.

JLR -2 De-shuttering of reservoir wall foundation

JLR -1 Casting Concrete for BW stem from 2-3

JLR-1 Continue formwork for reservoir walls.

JLR -1 Formwork for reservoir

JLR -1 Curing of boundary wall stem

JLR -2 Formwork at reservoir walls

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JLR -1 Formwork on site

JLR - 1 Site Visit to Jalqamus Reservoir with USAID

JLR -1 General Site View

JLR -2 Water proofing works for retaining wall

JLR -1 Columns Formwork

JLR -2 Steel Reinforcement for Reservoir Walls

JLR -1 Access Man way on reservoir.

JLR -3 Reservoir Walls Reinforcement

JLR -4 Joint Inspection of Batch Plant

JLR -5 Casting Concrete of Columns

JLR -1 Toolbox meeting

2. PROGRESS PHOTOS (AJJA)

AJR -1- Base Course at Ajja Reservoir.

AJR-1 Preparation works at Ajja site

AJR-1 meeting with Ajja Municipality

AJR-2 meeting with Ajja Girls School

AJR -1 Site Visit to Ajja Reservoir Site

AJR-1 Excavation equipment on site

AJR-1 Excavation works on site

AJR-1 Toolbox meeting on site

AJR-2 Retaining wall Excavation

AJR-1 Retaining wall Excavation

AJR-1 Reservoir Excavation

AJR-1 Leveling and Compacting of Subgrade

AJR-2 Geotechnical Investigation	**AJR -1 Retaining wall works**

29. PROGRESS PHOTOS (KUFERIT)

KFR -1 Leveling for reservoir's reduced level.

KFR -2 Formwork for retaining wall Stem

KFR -1 Formwork of retaining wall

KFR -2 General site view

KFR -1 Compacting of Base Course Layer

KFR -1 casting concrete of retaining wall

KFR -3 Field Density Test on Subgrade

KFR-1 Finish formwork for retaining wall stem from point 6 to 7.

KFR -1 Site Visit to Kuferit Reservoir Site

KFR -1 Washout pipe formwork.

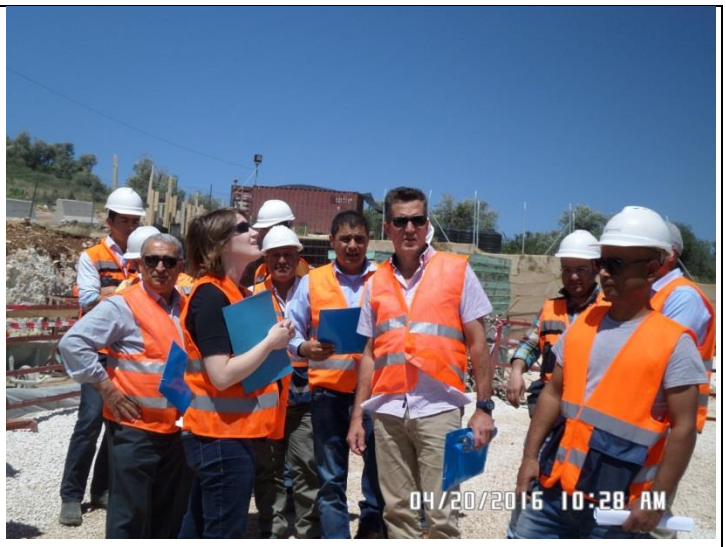
KFR -1 Washout pipe formwork.

KFR -2 Retaining wall formwork

KFR -1 Casting concrete for retaining wall

KFR -1 Steel Reinforcement of retaining wall

KFR -1 Steel Reinforcement of retaining wall



KRF -1 Site Visit to Kuferit Reservoir with USAID

KFR -1 Toolbox meeting on site concerning hot season

KFR -1 Retaining wall formworks

KFR -1 Steel Reinforcement of Boundary Wall

KFR-1 formwork for retaining and boundary walls from point 3-5.

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29. PROGRESS PHOTOS (AL-MUTILLA)

MTR -1 Formwork for 2nd level beams

MTR -1 Formwork for 2nd level beams

MTR -1 curing of 2nd level columns

MTR-1 General Site View

MTR-1 2nd level beams reinforcement

MTR-1 Scaffolding for 3rd level

MTR-1 Casting A1 concrete

MTR-2 Casting A1 concrete for stairs

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MTR-1 Finish of 3rd level columns steel reinforcement.

MTR -1 3rd level columns formwork

MTR -1 General site view

MTR -1 General site view – casting concrete

MTR -1 Third level columns

MTR -1 Site Visit to Al Mutilla Reservoir with USAID

MTR -1 General site view

MTR -1 Casting of 3rd Level Columns

29. PROGRESS PHOTOS (Talfit – Jalqamus transmission pipe line)

TJL -2 Safety plane implementation	**TJL -1 Safety plane implementation**

ANNEXES

Annex A – Materials & Equipment Receiving Log

Materials Delivered on Site:

Item	Description	Quantity	Location	Date
1	Concrete	5 m^3	Storage Yard	December 08, 2015
2	Base Course	80 Ton	Storage Yard	December 08, 2015
3	Concrete B-250	36 m^3	Al Mutilla Reservoir lean concrete	January 27, 2016
4	Reinforced steel bars	7.6 ton	Al Mutilla Reservoir	03-Feb-16
5	Reinforced steel	4.6 ton	Al Mutilla Reservoir	04-Feb-16
6	Galvanized steel 2" for electric works	90 m	Storage yard	09-Feb-16
7	Galvanized steel 1" for electric works	42 m	Storage yard	09-Feb-16
8	Galvanized steel 2" for electric works	52.2 m	Storage yard	09-Feb-16
9	Fosroc SP 430(Super-plasticizer)	250 lt	Storage yard	09-Feb-16
10	Concrete Class A1	99 m3	Al Mutilla Reservoir	10-Feb-16
11	Subgrade	30 ton	Arraba Reservoir	13-Feb-16
12	Lean concrete	7 m3	Al Mutilla Reservoir	15-Feb-16
13	Lean concrete	12 ton	Jalqamus Reservoir	17-Feb-16
14	Single Size	30 ton	Al Mutilla Reservoir	18-Feb-16
15	Concrete B30	12 m3	Al Mutilla Reservoir	20-Feb-16
16	Encasement concrete	3 ton	Jalqamus Reservoir	21-Feb-16
17	Subgrade material	60 ton	Arraba Reservoir	
18	Lean concrete	42 m3	Arraba Reservoir	
19	Encasement concrete	3ton	Jalqamus Reservoir	22-Feb-16
20	B 30	28 m3	Jalqamus Reservoir	24-Feb-16
21	Base course	40 ton	Kuferit Reservoir	25-Feb-16
22	Pipe encasement concrete	3 m3	Arraba Reservoir	
23	A1 class concrete	27 m3	Al Mutilla Reservoir	27-Feb-16
24	Concrete B 30	6 m3	Jalqamus Reservoir	28-Feb-16
25	Lean concrete	7 m3	Al Mutilla Reservoir	15-Feb-16
26	Lean concrete	12 ton	Jalqamus Reservoir	17-Feb-16
27	Single Size	30 ton	Al Mutilla Reservoir	18-Feb-16
28	Lean concrete	17 m3	JLR-Under	02-March -16

			retaining wall between points 1-3	
29	Base Course	76 ton	ARR-Backfill Material	02-March -16
30	B 300 concrete	9.5 m3	JLR-Retaining wall 3-4	05-March -16
31	A1 concrete	3.5 m3	MTR-Stairs	05-March -16
32	B-30 concrete	12 m3	ARR-Boundary wall footing	07-March -16
33	B-30	27 m3	JLR-Retaining wall footing	08-March -16
34	Concrete A1	23 cum	MTR	10-March -16
35	B-30	31 m3	JLR-Retaining wall & Boundary wall	13-March -16
36	Concrete B-20	30 m3	KFR-Lean Concrete	19-March -16
37	Concrete B-20	130 m3	ARR-Lean Concrete	20-March -16
38	Concrete B-30	10 m3	ARR-Boundary wall stem	20-March -16
39	Concrete B-30	16 m3	KFR-Retaining wall footing	22-March -16
40	Concrete B-30	10 m3	JLR-Boundary walls	22-March -16
41	B-20	63 m3	JLR-Lean Concrete	23-March -16
42	B-30	15.5 m3	MTR-Retaining Wall	24-March -16
43	4" Steel pipes (3 LPE & lining)	170.81m	Jalqamus Storage Yard	27-March -16
44	4" Steel pipes (Epoxy & lining)	85.4lm	Jalqamus Storage Yard	27-March -16
45	3" Steel pipes (3 LPE & lining)	500.2lm	Jalqamus Storage Yard	27-March -16
46	3" Steel pipes (Epoxy & lining)	77.6 lm	Jalqamus Storage Yard	27-March -16
47	2" Steel pipes (3 LPE)	420lm	Jalqamus Storage Yard	27-March -16
48	3" Steel pipes (Epoxy)	60 1m	Jalqamus Storage Yard	27-March -16
49	Fittings - different sizes (fees,elbows, reducers, etc.)	270 Pes	Jalqamus Storage Yard	27-March -16
50	Water Stop (SuperCast Watafoil 250)	156 lm	Jalqamus Storage Yard	27-March -16
51	Expandable waterstop (Supercast SW30)	351m	Jalqamus Storage Yard	27-March -16
52	B-30	102 m3	KFR-Retaining Walls footing	29-March -16
53	Class A1	13 m3	MTR-2nd Level Columns	29-March -16

Equipment on Site:

Description	Quantity	Hours	Idle Qty	Date
Surveying Tools	1	8		December 01, 2015
Surveying Tools	2	16		December 02, 2015
KIA-FORTE (without Driver)	1	8		December 02, 2015
PEUGEOT 301 (without Driver)	1	8		December 02, 2015
Peugeot Car	1	8		December 02, 2015
Surveying Tools	2	8		December 03, 2015
KIA-FORTE (without Driver)	1	8		December 03, 2015
PEUGEOT 301 (without Driver)	1	8		December 03, 2015
Peugeot Car	1	8		December 03, 2015
Peugeot Car	1	8		December 04, 2015
Surveying Tools	1	8		December 04, 2015
Surveying Tools	2	16		December 05, 2015
KIA-FORTE (without Driver)	1	8		December 05, 2015
PEUGEOT 301 (without Driver)	1	8		December 05, 2015
Peugeot Car	1	8		December 05, 2015
KIA-FORTE (without Driver)	1	8		December 06, 2015
PEUGEOT 301 (without Driver)	1	8		December 06, 2015
Peugeot Car	1	8		December 06, 2015
Surveying Tools	1	8		December 06, 2015
KIA-FORTE (without Driver)	1	8		December 07, 2015
PEUGEOT 301 (without Driver)	1	8		December 07, 2015
KIA-FORTE (without Driver)	1	8		December 07, 2015
PEUGEOT 301 (without Driver)	1	8		December 07, 2015
Peugeot Car	1	8		December 07, 2015
Surveying Tools	1	8		December 07, 2015
KIA-FORTE (without Driver)	1	8		December 08, 2015
PEUGEOT 301 (without Driver)	1	8		December 08, 2015
Truck	1	8		December 08, 2015
Peugeot Car	1	8		December 08, 2015
Surveying Tools	1	8		December 08, 2015
KIA-FORTE (without Driver)	1	8		December 09, 2015
PEUGEOT 301 (without Driver)	1	8		December 09, 2015

	Truck	1	8		December 09, 2015	
	Peugeot Car	1	8		December 09, 2015	
	Surveying Tools	1	8		December 09, 2015	
	KIA-FORTE (without Driver)	1	8		December 10, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 10, 2015	
	Truck	1	8		December 10, 2015	
	Peugeot Car	1	8		December 11, 2015	
	Surveying Tools	1	8		December 11, 2015	
	KIA-FORTE (without Driver)	1	8		December 12, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 12, 2015	
	Truck	1	8		December 12, 2015	
	Peugeot Car	1	8		December 12, 2015	
	Surveying Tools	1	8		December 12, 2015	
	KIA-FORTE (without Driver)	1	8		December 13, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 13, 2015	
	Truck	1	8		December 13, 2015	
	Welding Machine	1	8		December 13, 2015	
	Peugeot Car	1	8		December 13, 2015	
	Surveying Tools	1	8		December 13, 2015	
	KIA-FORTE (without Driver)	1	8		December 14, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 14, 2015	
	Crane	1	8		December 14, 2015	
	Welding Machine	1	8		December 14, 2015	
	KIA-FORTE (without Driver)	1	8		December 15, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 15, 2015	
	KIA-FORTE (without Driver)	1	8		December 16, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 16, 2015	
	KIA-FORTE (without Driver)	1	8		December 17, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 17, 2015	
	KIA-FORTE (without Driver)	1	8		December 19, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 19, 2015	
	KIA-FORTE (without Driver)	1	8		December 20, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 20, 2015	

	KIA-FORTE (without Driver)	1	8		December 21, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 21, 2015	
	Mercedes Benz 613	1	8		December 21, 2015	
	Dump Truck	1	8		December 21, 2015	
	3CX JCB	1	8		December 21, 2015	
	KIA-FORTE (without Driver)	1	8		December 22, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 22, 2015	
	Mercedes Benz 613	1	8		December 22, 2015	
	Dump Truck	1	8		December 22, 2015	
	3CX JCB	1	8		December 22, 2015	
	KIA-FORTE (without Driver)	1	8		December 23, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 23, 2015	
	Mercedes Benz 613	1	8		December 23, 2015	
	KIA-FORTE (without Driver)	1	8		December 24, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 24, 2015	
	Mercedes Benz 613	1	8		December 24, 2015	
	KIA-FORTE (without Driver)	1	8		December 26, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 26, 2015	
	Mercedes Benz 613	1	8		December 26, 2015	
	KIA-FORTE (without Driver)	1	8		December 27, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 27, 2015	
	Mercedes Benz 613	1	8		December 27, 2015	
	Wheel Excavator/DX210W DOSAN-2009	1	8		December 27, 2015	
	Dump Truck	1	8		December 27, 2015	
	KIA-FORTE (without Driver)	1	8		December 28, 2015	
	PEUGEOT 301 (without Driver)	1	8		December 28, 2015	
	Mercedes Benz 613	1	8		December 28, 2015	
	Wheel Excavator/DX210W DOSAN-2009	1	8		December 28, 2015	
	Dump Truck	2	14		December 28, 2015	
	3CX JCB	1	6		December 28, 2015	
	KIA-FORTE (without Driver)	1	8		January 02, 2016	
	PEUGEOT 301 (without Driver)	1	8		January 02, 2016	
	Mercedes Benz 613	1	8		January 02, 2016	
	SKODA FABIA 2013	1	8			

	Wheel Excavator/DX210W DOSAN-2009	1	8		January 02, 2016
	Dump Truck	1	8		January 02, 2016
	3CX JCB	1	8		January 02, 2016
	Surveying Tools	1	8		January 02, 2016
	KIA-FORTE (without Driver)	1	8		January 03, 2016
	PEUGEOT 301 (without Driver)	1	8		January 03, 2016
	Mercedes Benz 613	1	8		January 03, 2016
	SKODA FABIA 2013	1	8		January 03, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 03, 2016
	Dump Truck	1	8		January 03, 2016
	3CX JCB	1	8		January 03, 2016
	Surveying Tools	1	8		January 03, 2016
	KIA-FORTE (without Driver)	1	8		January 04, 2016
	PEUGEOT 301 (without Driver)	1	8		January 04, 2016
	Mercedes Benz 613	1	8		January 04, 2016
	SKODA FABIA 2013	1	8		January 04, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 04, 2016
	3CX JCB	2	14		January 04, 2016
	Surveying Tools	1	8		January 04, 2016
	Crane	1	3		January 04, 2016
	KIA-FORTE (without Driver)	2	16		January 05, 2016
	PEUGEOT 301 (without Driver)	1	8		January 05, 2016
	Mercedes Benz 613	1	8		January 05, 2016
	SKODA FABIA 2013	1	8		January 05, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 05, 2016
	3CX JCB	1	8		January 05, 2016
	Surveying Tools	1	8		January 05, 2016
	KIA-FORTE (without Driver)	2	16		January 06, 2016
	PEUGEOT 301 (without Driver)	1	8		January 06, 2016
	Mercedes Benz 613	1	8		January 06, 2016
	SKODA FABIA 2013	1	8		January 06, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 06, 2016
	3CX JCB	1	8		January 06, 2016
	Surveying Tools	1	8		January 06, 2016
	Dump Truck	1	8		January 06, 2016
	KIA-FORTE	2	16		January 07, 2016

	(without Driver)				
	PEUGEOT 301 (without Driver)	1	8		January 07, 2016
	Mercedes Benz 613	1	8		January 07, 2016
	SKODA FABIA 2013	1	8		January 07, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 07, 2016
	3CX JCB	1	8		January 07, 2016
	Surveying Tools	1	8		January 07, 2016
	KIA-FORTE (without Driver)	2	16		January 09, 2016
	PEUGEOT 301 (without Driver)	1	8		January 09, 2016
	Mercedes Benz 613	1	8		January 09, 2016
	SKODA FABIA 2013	1	8		January 09, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 09, 2016
	3CX JCB	1	8		January 09, 2016
	Surveying Tools	1	8		January 09, 2016
	Wheel Excavator/Cat 336-2009	1	8		January 10, 2016
	KIA-FORTE (without Driver)	2	16		January 10, 2016
	PEUGEOT 301 (without Driver)	1	8		January 10, 2016
	Mercedes Benz 613	1	8		January 10, 2016
	SKODA FABIA 2013	1	8		January 10, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 10, 2016
	3CX JCB	1	8		January 10, 2016
	Surveying Tools	1	8		January 10, 2016
	KIA-FORTE (without Driver)	2	16		January 11, 2016
	PEUGEOT 301 (without Driver)	1	8		January 11, 2016
	Mercedes Benz 613	1	8		January 11, 2016
	SKODA FABIA 2013	1	8		January 11, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 11, 2016
	3CX JCB	1	8		January 11, 2016
	Surveying Tools	1	8		January 11, 2016
	Dump Truck	2	16		January 11, 2016
	Wheel Excavator/Cat 336-2009	1	8		January 11, 2016
	KIA-FORTE (without Driver)	2	16		January 12, 2016
	PEUGEOT 301 (without Driver)	1	8		January 12, 2016
	Mercedes Benz 613	1	8		January 12, 2016
	SKODA FABIA 2013	1	8		January 12, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 12, 2016

	3CX JCB	1	8		January 12, 2016	
	Surveying Tools	1	8		January 12, 2016	
	Dump Truck	3	24		January 12, 2016	
	Wheel Excavator/Cat 336-2009	1	8		January 12, 2016	
	KIA-FORTE (without Driver)	2	16		January 13, 2016	
	PEUGEOT 301 (without Driver)	1	8		January 13, 2016	
	Mercedes Benz 613	1	8		January 13, 2016	
	SKODA FABIA 2013	1	8		January 13, 2016	
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 13, 2016	
	3CX JCB	1	8		January 13, 2016	
	Surveying Tools	1	8		January 13, 2016	
	Dump Truck	2	16		January 13, 2016	
	KIA-FORTE (without Driver)	2	16		January 14, 2016	
	PEUGEOT 301 (without Driver)	1	8		January 14, 2016	
	Mercedes Benz 613	1	8		January 14, 2016	
	SKODA FABIA 2013	1	8		January 14, 2016	
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 14, 2016	
	3CX JCB	1	8		January 14, 2016	
	Surveying Tools	1	8		January 14, 2016	
	Dump Truck	1	8		January 14, 2016	
	KIA-FORTE (without Driver)	2	16		January 16, 2016	
	PEUGEOT 301 (without Driver)	1	8		January 16, 2016	
	Mercedes Benz 613	1	8		January 16, 2016	
	SKODA FABIA 2013	1	8		January 16, 2016	
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 16, 2016	
	3CX JCB	2	16		January 16, 2016	
	Surveying Tools	1	8		January 16, 2016	
	Dump Truck	1	8		January 16, 2016	
	KIA-FORTE (without Driver)	2	16		January 17, 2016	
	PEUGEOT 301 (without Driver)	1	8		January 17, 2016	
	Mercedes Benz 613	1	8		January 17, 2016	
	SKODA FABIA 2013	1	8		January 17, 2016	
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 17, 2016	
	3CX JCB	3	24		January 17, 2016	
	Surveying Tools	1	8		January 17, 2016	
	Dump Truck	1	8		January 17, 2016	

	KIA-FORTE (without Driver)	2	16		January 18, 2016
	PEUGEOT 301 (without Driver)	1	8		January 18, 2016
	Mercedes Benz 613	1	8		January 18, 2016
	SKODA FABIA 2013	1	8		January 18, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 18, 2016
	3CX JCB	2	16		January 18, 2016
	Surveying Tools	1	8		January 18, 2016
	Dump Truck	1	8		January 18, 2016
	KIA-FORTE (without Driver)	2	16		January 19, 2016
	PEUGEOT 301 (without Driver)	1	8		January 19, 2016
	Mercedes Benz 613	1	8		January 19, 2016
	SKODA FABIA 2013	1	8		January 19, 2016
	Wheel Excavator/DX210W DOSAN-2009		8	1	January 19, 2016
	3CX JCB		16	2	January 19, 2016
	Surveying Tools		8	1	January 19, 2016
	Dump Truck		8	1	January 19, 2016
	KIA-FORTE (without Driver)	2	16		January 20, 2016
	PEUGEOT 301 (without Driver)	1	8		January 20, 2016
	Mercedes Benz 613	1	8		January 20, 2016
	SKODA FABIA 2013	1	8		January 20, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 20, 2016
	3CX JCB	1	8		January 20, 2016
	Surveying Tools	1	8		January 20, 2016
	Dump Truck	1	8		January 20, 2016
	KIA-FORTE (without Driver)	2	16		January 21, 2016
	PEUGEOT 301 (without Driver)	1	8		January 21, 2016
	Mercedes Benz 613	1	8		January 21, 2016
	SKODA FABIA 2013	1	8		January 21, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 21, 2016
	3CX JCB	1	8		January 21, 2016
	Surveying Tools	1	8		January 21, 2016
	Dump Truck	1	8		January 21, 2016
	KIA-FORTE (without Driver)	2	16		January 23, 2016
	PEUGEOT 301 (without Driver)	1	8		January 23, 2016
	Mercedes Benz 613	1	8		January 23, 2016
	SKODA FABIA 2013	1	8		January 23, 2016

	Wheel Excavator/DX210W DOSAN-2009	1	8		January 23, 2016
	3CX JCB	2	16		January 23, 2016
	Surveying Tools	2	16		January 23, 2016
	Dump Truck	3	24		January 23, 2016
	Surveying Tools	2	16		January 25, 2016
	KIA-FORTE (without Driver)	2	16		January 25, 2016
	PEUGEOT 301 (without Driver)	1	8		January 25, 2016
	Mercedes Benz 613	1	8		January 25, 2016
	SKODA FABIA 2013	1	8		January 25, 2016
	KIA-FORTE (without Driver)	2	16		January 26, 2016
	PEUGEOT 301 (without Driver)	1	8		January 26, 2016
	Mercedes Benz 613	1	8		January 26, 2016
	SKODA FABIA 2013	1	8		January 26, 2016
	KIA-FORTE (without Driver)	2	16		January 27, 2016
	PEUGEOT 301 (without Driver)	1	8		January 27, 2016
	Mercedes Benz 613	1	8		January 27, 2016
	SKODA FABIA 2013	1	8		January 27, 2016
	3CX JCB		8	1	January 27, 2016
	3CX JCB	1	8		January 27, 2016
	Surveying Tools	1	8		January 27, 2016
	KIA-FORTE (without Driver)	2	16		January 28, 2016
	PEUGEOT 301 (without Driver)	1	8		January 28, 2016
	Mercedes Benz 613	1	8		January 28, 2016
	SKODA FABIA 2013	1	8		January 28, 2016
	Wheel Excavator/DX210W DOSAN-2009	1	8		January 28, 2016
	3CX JCB	1	8		January 28, 2016
	3CX JCB		8	1	January 28, 2016
	Surveying Tools	2	16		January 28, 2016
	Dump Truck	3	24		January 28, 2016
	KIA-FORTE (without Driver)	2	16		January 30, 2016
	PEUGEOT 301 (without Driver)	1	8		January 30, 2016
	Mercedes Benz 613	1	8		January 30, 2016
	SKODA FABIA 2013	1	8		January 30, 2016
	3CX JCB	1	8		January 30, 2016
	Surveying Tools	2	16		January 30, 2016
	Dump Truck	1	8		January 30, 2016

	KIA-FORTE (without Driver)	2	16		January 31, 2016
	PEUGEOT 301 (without Driver)	1	8		January 31, 2016
	Mercedes Benz 613	1	8		January 31, 2016
	SKODA FABIA 2013	1	8		January 31, 2016
	3CX JCB	1	8		January 31, 2016
	3CX JCB		8	1	January 31, 2016
	Surveying Tools	2	16		January 31, 2016
	Dump Truck	1	8		January 31, 2016
	Surveing Tools	2	16		01-Feb-16
	KIA-FORTE(Without driver)	2	16		01-Feb-16
	PEUOGEOT 301(Without driver)	1	8		01-Feb-16
	Truck	1	8		01-Feb-16
	3CX-JCB	1	8		01-Feb-16
	Skoda Fabia 2013	1	8		01-Feb-16
	Mercedes Benz 613	1	8		01-Feb-16
	Surveing Tools	2	16		02-Feb-16
	KIA-FORTE(Without driver)	2	16		02-Feb-16
	PEUOGEOT 301(Without driver)	1	8		02-Feb-16
	Truck	1	8		02-Feb-16
	Skoda Fabia 2013	1	8		02-Feb-16
	3CX-JCB	1	8		02-Feb-16
	Mercedes Benz 613	1	8		02-Feb-16
	Surveing Tools	2	8		03-Feb-16
	KIA-FORTE(Without driver)	2	16		03-Feb-16
	PEUOGEOT 301(Without driver)	1	8		03-Feb-16
	Wheel Excavator /DX210W DOSAN-2009	1	8		03-Feb-16
	3CX-JCB	1	8		03-Feb-16
	Truck	1	8		03-Feb-16
	Skoda Fabia 2013	1	8		03-Feb-16
	Mercedes Benz 613	1	8		03-Feb-16
	Surveing Tools		8	2	04-Feb-16
	KIA-FORTE(Without driver)	2	16		04-Feb-16
	PEUOGEOT 301(Without driver)	1	8		04-Feb-16
	Truck		16	2	04-Feb-16
	Welding Machine		8	1	04-Feb-16
	3CX-JCB	1	8		04-Feb-16
	Skoda Fabia 2013	1	8		04-Feb-16
	Crane		8	1	04-Feb-16
	Mercedes Benz 613		8	1	04-Feb-16
	Surveing Tools		16	2	06-Feb-16
	KIA-FORTE(Without driver)	2	16		06-Feb-16
	PEUOGEOT 301(Without driver)	1	8		06-Feb-16
	Skoda Fabia 2013	1	8		06-Feb-16
	Truck		8	1	06-Feb-16
	Welding Machine		8	1	06-Feb-16
	Crane		16	2	06-Feb-16

Evco	1	2		06-Feb-16	
Surveing Tools		8	1	07-Feb-16	
KIA-FORTE(Without driver)	2	16		07-Feb-16	
PEUOGEOT 301(Without driver)	1	8		07-Feb-16	
Skoda Fabia 2013	1	8		07-Feb-16	
Evco	1	8		07-Feb-16	
Surveing Tools	2	16		08-Feb-16	
KIA-FORTE(Without driver)	2	16		08-Feb-16	
PEUOGEOT 301(Without driver)	1	8		08-Feb-16	
Skoda Fabia 2013	1	8		08-Feb-16	
Truck	1	8		08-Feb-16	
Wheel Excavator /DX210W DOSAN-2009	1	8		08-Feb-16	
3CX-JCB	1	8		08-Feb-16	
Evco	1	8		08-Feb-16	
Surveing Tools	2	16		09-Feb-16	
KIA-FORTE(Without driver)	2	16		09-Feb-16	
PEUOGEOT 301(Without driver)	1	8		09-Feb-16	
Skoda Fabia 2013	1	8		09-Feb-16	
Wheel Excavator /DX210W DOSAN-2009	1	4		09-Feb-16	
Truck	1	4		09-Feb-16	
3CX-JCB	1	4		09-Feb-16	
Evco	1	8		09-Feb-16	
Surveing Tools	2	16		10-Feb-16	
KIA-FORTE(Without driver)	2	16		10-Feb-16	
PEUOGEOT 301(Without driver)	1	8		10-Feb-16	
Skoda Fabia 2013	1	8		10-Feb-16	
Evco	1	8		10-Feb-16	
Surveing Tools	2	16		11-Feb-16	
KIA-FORTE(Without driver)	2	16		11-Feb-16	
PEUOGEOT 301(Without driver)	1	8		11-Feb-16	
Veco(with operator)	1	8		11-Feb-16	
3CX-JCB	1	8		11-Feb-16	
Skoda Fabia 2013	1	8		11-Feb-16	
Surveing Tools		8	2	12-Feb-16	
KIA-FORTE(Without driver)		8	2	12-Feb-16	
PEUOGEOT 301(Without driver)		8	1	12-Feb-16	
Skoda Fabia 2013		8	1	12-Feb-16	
Veco(with operator)		8	1	12-Feb-16	
Surveing Tools	2	16		13-Feb-16	
KIA-FORTE(Without driver)	2	16		13-Feb-16	
PEUOGEOT 301(Without driver)	1	8		13-Feb-16	
Skoda Fabia 2013	1	8		13-Feb-16	
3CX-JCB	1	8		13-Feb-16	

	Veco(with operator)	1	8		13-Feb-16
	Surveing Tools	2	16		14-Feb-16
	KIA-FORTE(Without driver)	2	16		14-Feb-16
	PEUOGEOT 301(Without driver)	1	8		14-Feb-16
	Skoda Fabia 2013	1	8		14-Feb-16
	Steel Compactor	1	8		14-Feb-16
	3CX-JCB	1	8		14-Feb-16
	Veco(with operator)	1	8		14-Feb-16
	Surveing Tools	2	16		15-Feb-16
	KIA-FORTE(Without driver)	2	16		15-Feb-16
	PEUOGEOT 301(Without driver)	1	8		15-Feb-16
	Skoda Fabia 2013	1	8		15-Feb-16
	Steel Compactor	1	8		15-Feb-16
	3CX-JCB	1	4		15-Feb-16
	Veco(with operator)	1	8		15-Feb-16
	Surveing Tools	2	16		16-Feb-16
	KIA-FORTE(Without driver)	2	16		16-Feb-16
	PEUOGEOT 301(Without driver)	1	8		16-Feb-16
	Truck	1	8		16-Feb-16
	Skoda Fabia 2013	1	8		16-Feb-16
	3CX-JCB	1	8		16-Feb-16
	Bobcat	1	8		16-Feb-16
	Steel Compactor	1	8		16-Feb-16
	Veco(with operator)	1	8		16-Feb-16
	Surveing Tools	2	16		17-Feb-16
	KIA-FORTE(Without driver)	2	16		17-Feb-16
	PEUOGEOT 301(Without driver)	1	8		17-Feb-16
	Truck	1	2		17-Feb-16
	Skoda Fabia 2013	1	8		17-Feb-16
	3CX-JCB	1	8		17-Feb-16
	Bobcat	1	8		17-Feb-16
	Steel Compactor	1	8		17-Feb-16
	Veco(with operator)	1	8		17-Feb-16
	Surveing Tools	2	16		18-Feb-16
	KIA-FORTE(Without driver)	2	16		18-Feb-16
	PEUOGEOT 301(Without driver)	1	8		18-Feb-16
	Truck		8	1	18-Feb-16
	Skoda Fabia 2013		8	1	18-Feb-16
	3CX-JCB	1	8		18-Feb-16
	JCB(With operator)	1	1		18-Feb-16
	Veco(with operator)	1	8		18-Feb-16
	Surveing Tools		8	2	19-Feb-16
	KIA-FORTE(Without driver)		8	2	19-Feb-16
	PEUOGEOT 301(Without driver)		8	1	19-Feb-16
	Veco(with operator)		8	1	19-Feb-16
	Skoda Fabia 2013		8	1	19-Feb-16

	Surveing Tools	2	8		20-Feb-16	
	KIA-FORTE(Without driver)	2	16		20-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		20-Feb-16	
	Truck	1	8		20-Feb-16	
	3CX-JCB	1	8		20-Feb-16	
	Skoda Fabia 2013		8	1	20-Feb-16	
	Veco(with operator)	1	8		20-Feb-16	
	Surveing Tools	2	8		21-Feb-16	
	KIA-FORTE(Without driver)	2	16		21-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		21-Feb-16	
	Truck	1	8		21-Feb-16	
	Skoda Fabia 2013		8	1	21-Feb-16	
	3CX-JCB	1	8		21-Feb-16	
	Veco(with operator)	1	8		21-Feb-16	
	Surveing Tools	2	16		22-Feb-16	
	KIA-FORTE(Without driver)	2	16		22-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		22-Feb-16	
	Skoda Fabia 2013	1	8		22-Feb-16	
	Bobcat	1	4		22-Feb-16	
	3CX-JCB	1	4		22-Feb-16	
	Steel Roller	1	4		22-Feb-16	
	Veco(with operator)	1	8		22-Feb-16	
	Surveing Tools	2	16		23-Feb-16	
	KIA-FORTE(Without driver)	2	16		23-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		23-Feb-16	
	Excavator JCB	1	6		23-Feb-16	
	JCB (with operator)	2	8		23-Feb-16	
	Bobcat	1	2		23-Feb-16	
	Steel Roller	1	2		23-Feb-16	
	Skoda Fabia 2013	1	8		23-Feb-16	
	Veco(with operator)	1	8		23-Feb-16	
	Surveing Tools	2	16		24-Feb-16	
	KIA-FORTE(Without driver)	2	16		24-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		24-Feb-16	
	Truck	1	6		24-Feb-16	
	veco	1	8		24-Feb-16	
	Skoda Fabia 2013	1	8		24-Feb-16	
	Steel Compactor	1	2		24-Feb-16	
	JCB(with operator)	2	12		24-Feb-16	
	Surveing Tools	2	16		25-Feb-16	
	KIA-FORTE(Without driver)	2	16		25-Feb-16	
	PEUOGEOT 301(Without driver)	1	8		25-Feb-16	
	Truck	1	4		25-Feb-16	
	veco	1	8		25-Feb-16	
	Skoda Fabia 2013	1	8		25-Feb-16	
	Excavator JCB & Caterpillar	1	6		25-Feb-16	
	JCB(with operator)	1	4		25-Feb-16	
	Surveing Tools		8	2	26-Feb-16	

KIA-FORTE(Without driver)		8	2	26-Feb-16
PEUOGEOT 301(Without driver)		8	1	26-Feb-16
Skoda Fabia 2013		8	1	26-Feb-16
veco		8	1	26-Feb-16
Surveing Tools	2	16		27-Feb-16
KIA-FORTE(Without driver)	2	16		27-Feb-16
PEUOGEOT 301(Without driver)	1	8		27-Feb-16
Truck	1	8		27-Feb-16
Skoda Fabia 2013	1	8		27-Feb-16
Steel Compactor	1	4		27-Feb-16
Excavator Caterpillar	1	8		27-Feb-16
jCB(with operator)	1	8		27-Feb-16
Steel Compactor	1	4		27-Feb-16
veco	1	8		27-Feb-16
Surveing Tools	2	16		28-Feb-16
KIA-FORTE(Without driver)	2	16		28-Feb-16
PEUOGEOT 301(Without driver)	1	8		28-Feb-16
Truck	3	22		28-Feb-16
Skoda Fabia 2013	1	8		28-Feb-16
Excavator Caterpillar	1	8		28-Feb-16
Roller	1	6		28-Feb-16
Bobcat	1	6		28-Feb-16
Water Tank	1	2		28-Feb-16
JCB(with operator)	1	6		28-Feb-16

Surveying Tools	2	16		01-March -2016
KIA-FORTE(Without driver)	2	16		01-March -2016
PEUOGEOT 301(Without driver)	1	8		01-March -2016
Water Tank	1	2		01-March -2016
JCB(with operator)	1	6		01-March -2016
Steel Compactor	1	2		01-March -2016
Bobcat	2	10		01-March -2016
Truck	3	22		01-March -2016
Excavetor Caterpillar	1	8		01-March -2016
3CX-JCB	1	8		01-March -2016
Veco(with operator)	1	8		01-March -2016
Skoda Fabia 2013	1	8		01-March -2016
Roller	1	8		01-March -2016
Surveying Tools	2	16		02-March -2016
KIA-FORTE(Without driver)	2	16		02-March -2016
PEUOGEOT 301(Without driver)	1	8		02-March -2016
Truck	2	16		02-March -2016
Steel Compactor	1	3		02-March -2016
Excavetor Caterpillar	1	8		02-March -2016
Skoda Fabia 2013	1	8		02-March -2016
JCB(with operator)	1	6		02-March -2016
Veco(with operator)	1	8		02-March -2016
Bobcat	1	3		02-March -2016

	Surveying Tools	2	16		03-March -2016	
	KIA-FORTE(Without driver)	2	16		03-March -2016	
	PEUOGEOT 301(Without driver)	1	8		03-March -2016	
	Bobcat	1	6		03-March -2016	
	Steel Compactor	1	4		03-March -2016	
	Truck	3	8		03-March -2016	
	Excavetor Caterpillar	1	4		03-March -2016	
	Veco(with operator)	1	8		03-March -2016	
	Skoda Fabia 2013	1	8		03-March -2016	
	JCB(with operator)	1	6		03-March -2016	
	Surveying Tools	2	0		04-March -2016	
	KIA-FORTE(Without driver)	2	0		04-March -2016	
	PEUOGEOT 301(Without driver)	1	0		04-March -2016	
	Skoda Fabia 2013	1	0		04-March -2016	
	Veco(with operator)	1	0		04-March -2016	
	Surveying Tools	2	16		05-March -2016	
	KIA-FORTE(Without driver)	2	16		05-March -2016	
	PEUOGEOT 301(Without driver)	1	8		05-March -2016	
	Truck	1	0		05-March -2016	
	Steel Compactor	1	4		05-March -2016	
	JCB(with operator)	1	8		05-March -2016	
	Excavetor Caterpillar	1	8		05-March -2016	
	Roller	1	0		05-March -2016	
	Skoda Fabia 2013	1	8		05-March -2016	
	Veco(with operator)	1	8		05-March -2016	
	Bobcat	2	4		05-March -2016	
	Surveying Tools	2	10		06-March -2016	
	KIA-FORTE(Without driver)	2	16		06-March -2016	
	PEUOGEOT 301(Without driver)	1	8		06-March -2016	
	JCB(with operator)	1	8		06-March -2016	
	Bobcat	1	6		06-March -2016	
	Skoda Fabia 2013	1	8		06-March -2016	
	Steel Compactor	1	4		06-March -2016	
	Excavetor Caterpillar	1	8		06-March -2016	
	Veco(with operator)	1	8		06-March -2016	
	Surveying Tools	3	10		07-March -2016	
	KIA-FORTE(Without driver)	2	16		07-March -2016	
	Steel Compactor	1	2		07-March -2016	
	PEUOGEOT 301(Without driver)	1	8		07-March -2016	
	Skoda Fabia 2013	1	8		07-March -2016	
	Truck	1	0		07-March -2016	
	JCB(with operator)	1	0		07-March -2016	
	Excavetor Caterpillar	1	8		07-March -2016	
	3CX-JCB	1	2		07-March -2016	
	Bobcat	2	2		07-March -2016	
	Roller	1	0		07-March -2016	
	Veco(with operator)	1	8		07-March -2016	
	Surveying Tools	2	16		08-March -2016	

	KIA-FORTE(Without driver)	2	16		08-March -2016
	PEUOGEOT 301(Without driver)	1	8		08-March -2016
	Skoda Fabia 2013	1	8		08-March -2016
	Excavetor Caterpillar	1	8		08-March -2016
	Truck	1	8		08-March -2016
	Bobcat	1	8		08-March -2016
	Roller	1	8		08-March -2016
	Veco(with operator)	1	8		08-March -2016
	Surveying Tools	2	16		09-March -2016
	KIA-FORTE(Without driver)	2	16		09-March -2016
	PEUOGEOT 301(Without driver)	1	8		09-March -2016
	Steel Compactor	1	1		09-March -2016
	JCB(with operator)	1	0		09-March -2016
	Truck	1	0		09-March -2016
	Roller	1	4		09-March -2016
	Skoda Fabia 2013	1	8		09-March -2016
	Excavetor Caterpillar	1	8		09-March -2016
	Veco(with operator)	1	8		09-March -2016
	Bobcat	2	4		09-March -2016
	Surveying Tools	2	16		10-March -2016
	KIA-FORTE(Without driver)	2	16		10-March -2016
	PEUOGEOT 301(Without driver)	1	8		10-March -2016
	Truck	2	12		10-March -2016
	Veco(with operator)	1	8		10-March -2016
	Excavetor Catetpillar	1	8		10-March -2016
	Steel Compactor	1	8		10-March -2016
	3CX-JCB	1	8		10-March -2016
	Skoda Fabia 2013	1	8		10-March -2016
	Surveying Tools	2	0		11-March -2016
	KIA-FORTE(Without driver)	2	0		11-March -2016
	PEUOGEOT 301(Without driver)	1	0		11-March -2016
	Skoda Fabia 2013	1	0		11-March -2016
	Veco(with operator)	1	0		11-March -2016
	Surveying Tools	2	10		12-March -2016
	KIA-FORTE(Without driver)	2	16		12-March -2016
	PEUOGEOT 301(Without driver)	1	6		12-March -2016
	Truck	1	4		12-March -2016
	Small Steel Compactor	1	2		12-March -2016
	Skoda Fabia 2013	1	6		12-March -2016
	Excavetor Catetpillar & JCB	2	16		12-March -2016
	JCB(with operator)	1	4		12-March -2016
	Veco(with operator)	1	6		12-March -2016
	Surveying Tools	2	16		13-March -2016
	KIA-FORTE(Without driver)	2	16		13-March -2016
	PEUOGEOT 301(Without driver)	1	8		13-March -2016
	Excavator Caterpillar & JCB	1	8		13-March -2016
	JCB(with operator)	1	0		13-March -2016

	Steel Compactor	1	0		13-March -2016
	Truck	1	0		13-March -2016
	Skoda Fabia 2013	1	8		13-March -2016
	Bobcat	2	0		13-March -2016
	Roller	1	0		13-March -2016
	Veco(with operator)	1	8		13-March -2016
	Surveying Tools	2	16		14-March -2016
	KIA-FORTE(Without driver)	2	16		14-March -2016
	PEUOGEOT 301(Without driver)	1	8		14-March -2016
	Truck	1	0		14-March -2016
	Steel Compactor	1	0		14-March -2016
	Skoda Fabia 2013	1	8		14-March -2016
	Bobcat	1	0		14-March -2016
	JCB(with operator)	1	0		14-March -2016
	Excavator Caterpillar & JCB	1	4		14-March -2016
	Veco(with operator)	1	8		14-March -2016
	Surveying Tools	2	0		15-March -2016
	KIA-FORTE(Without driver)	2	0		15-March -2016
	PEUOGEOT 301(Without driver)	1	0		15-March -2016
	Skoda Fabia 2013	1	0		15-March -2016
	Veco(with operator)	1	0		15-March -2016
	Surveying Tools	2	16		16-March -2016
	KIA-FORTE(Without driver)	2	16		16-March -2016
	PEUOGEOT 301(Without driver)	1	8		16-March -2016
	Skoda Fabia 2013	1	8		16-March -2016
	Surveying Tools	2	16		17-March -2016
	KIA-FORTE(Without driver)	2	16		17-March -2016
	PEUOGEOT 301(Without driver)	1	8		17-March -2016
	Skoda Fabia 2013	1	8		17-March -2016
	Veco(with operator)	1	8		17-March -2016
	Surveying Tools	2	16		19-March -2016
	KIA-FORTE(Without driver)	2	16		19-March -2016
	PEUOGEOT 301(Without driver)	1	8		19-March -2016
	Steel Compactor	1	8		19-March -2016
	Skoda Fabia 2013	1	8		19-March -2016
	Veco(with operator)	1	8		19-March -2016
	Surveying Tools	2	16		20-March -2016
	KIA-FORTE(Without driver)	2	16		20-March -2016
	PEUOGEOT 301(Without driver)	1	8		20-March -2016
	Skoda Fabia 2013	1	8		20-March -2016
	Veco(with operator)	1	8		20-March -2016
	Surveying Tools	2	16		21-March -2016
	KIA-FORTE(Without driver)	2	16		21-March -2016
	PEUOGEOT 301(Without driver)	1	8		21-March -2016
	Skoda Fabia 2013	1	8		21-March -2016
	Veco(with operator)	1	8		21-March -2016
	Surveying Tools	2	16		22-March -2016

	Excavator JCB	1	8		22-March -2016	
	KIA-FORTE(Without driver)	2	16		22-March -2016	
	PEUOGEOT 301(Without driver)	1	8		22-March -2016	
	Skoda Fabia 2013	1	8		22-March -2016	
	Veco(with operator)	1	8		22-March -2016	
	Surveying Tools	2	16		23-March -2016	
	KIA-FORTE(Without driver)	2	16		23-March -2016	
	PEUOGEOT 301(Without driver)	1	8		23-March -2016	
	veco	1	8		23-March -2016	
	Skoda Fabia 2013	1	8		23-March -2016	
	Excavator JCB	1	8		23-March -2016	
	Surveying Tools	2	16		24-March -2016	
	KIA-FORTE(Without driver)	2	16		24-March -2016	
	PEUOGEOT 301(Without driver)	1	8		24-March -2016	
	veco	1	8		24-March -2016	
	Skoda Fabia 2013	1	8		24-March -2016	
	Surveying Tools	2	0		25-March -2016	
	KIA-FORTE(Without driver)	2	0		25-March -2016	
	PEUOGEOT 301(Without driver)	1	0		25-March -2016	
	Skoda Fabia 2013	1	0		25-March -2016	
	veco	1	0		25-March -2016	
	Surveying Tools	2	16		26-March -2016	
	KIA-FORTE(Without driver)	2	16		26-March -2016	
	PEUOGEOT 301(Without driver)	1	8		26-March -2016	
	Skoda Fabia 2013	1	8		26-March -2016	
	veco	1	8		26-March -2016	
	Surveying Tools	2	16		27-March -2016	
	KIA-FORTE(Without driver)	2	16		27-March -2016	
	PEUOGEOT 301(Without driver)	1	8		27-March -2016	
	Skoda Fabia 2013	1	8		27-March -2016	
	veco	1	8		27-March -2016	
	Surveying Tools	2	16		28-March -2016	
	KIA-FORTE(Without driver)	2	16		28-March -2016	
	PEUOGEOT 301(Without driver)	1	8		28-March -2016	
	Skoda Fabia 2013	1	8		28-March -2016	
	veco	1	8		28-March -2016	
	Surveying Tools	2	16		29-March -2016	
	KIA-FORTE(Without driver)	2	16		29-March -2016	
	PEUOGEOT 301(Without driver)	1	8		29-March -2016	
	Skoda Fabia 2013	1	8		29-March -2016	
	veco	1	8		29-March -2016	
	Surveying Tools	2	16		30-March -2016	
	KIA-FORTE(Without driver)	2	16		30-March -2016	
	PEUOGEOT 301(Without driver)	1	8		30-March -2016	
	Excavator JCB	1	8		30-March -2016	

Skoda Fabia 2013	1	8		30-March -2016
veco	1	8		30-March -2016
Surveying Tools	2	16		31-March -2016
KIA-FORTE(Without driver)	2	16		31-March -2016
PEUOGEOT 301(Without driver)	1	8		31-March -2016
Skoda Fabia 2013	1	8		31-March -2016
veco	1	8		31-March -2016

Annex B – Original Time Schedule

Narrative report

1 Project Description

1.1 Background

Infrastructure in the West Bank and Gaza suffers from years of neglect and lack of investment. The USAID Mission Infrastructure Needs Program II (INP II) focuses on the rehabilitation and construction of roads, water, and wastewater projects. The USAID objective is to help the Palestinian economy by improving Palestinian access to basic infrastructure and services.

1.2 Project Objective

The objective of this Task Order is to upgrade the existing water supply system in the southeast part of the Jenin Governorate, located in the northern region of the West Bank. The upgrades will improve the transmission of water supply to villages southwest of the Jenin municipality, improve water storability by constructing new reservoirs, and provide a reliable, safe and affordable water supply to the project area.

1.3 Statement of Work

The following is a summary description of the Southwest Jenin Water Project:

This project includes constructing new reservoirs and a booster pump station, constructing new transmission pipelines, replacing old transmission pipelines, constructing new supply pipelines, and upgrading and improving access roads to reservoir sites. Project elements consist of the following:

Construction of Facilities

1. Arraba Reservoir – Replacement of existing 1000 m3 with a new 2,000 m3
2. Jalqamus Reservoir – Replacement of existing 500 m3 with a new 1000m3
3. Kafr Rai Reservoir – New Construction 1,000 m3
4. Ajja Reservoir – New Construction 1000 m3
5. Kuferit Reservoir – New Construction 500 m3
6. Al Mutilla Reservoir – New Construction 500 m3
7. Al Mutilla Booster Station - New Construction

Construction of New Transmission Mains & Supply Pipelines

1. Jalqamus Junction to Al Mutilla Booster Station (150mm x 2.7 km)
2. Al Mutilla Booster Station to Al Mutilla Reservoir (150mmx 1.7 km)
3. Sanur Junction to Maythaloun Well (250mm x 3.7 km)
4. Anza Junction to Ajja Reservoir (200mm x 1.1 km)
5. Ajja Network Supply Pipeline (200mm x 1.2 km)

Replacement of Existing Transmission Mains

1. Yabad Junction to Kuferit Reservoir (150mm x 2.4 km)
2. Talfit Junction to Jalqamus Reservoir (150mm x 2.3 km)
3. Jalqamus Reservoir to Jalqamus Junction (150mm x 1.8 km)

Construction of New Distribution Network

1. Al Mutilla Distribution Network

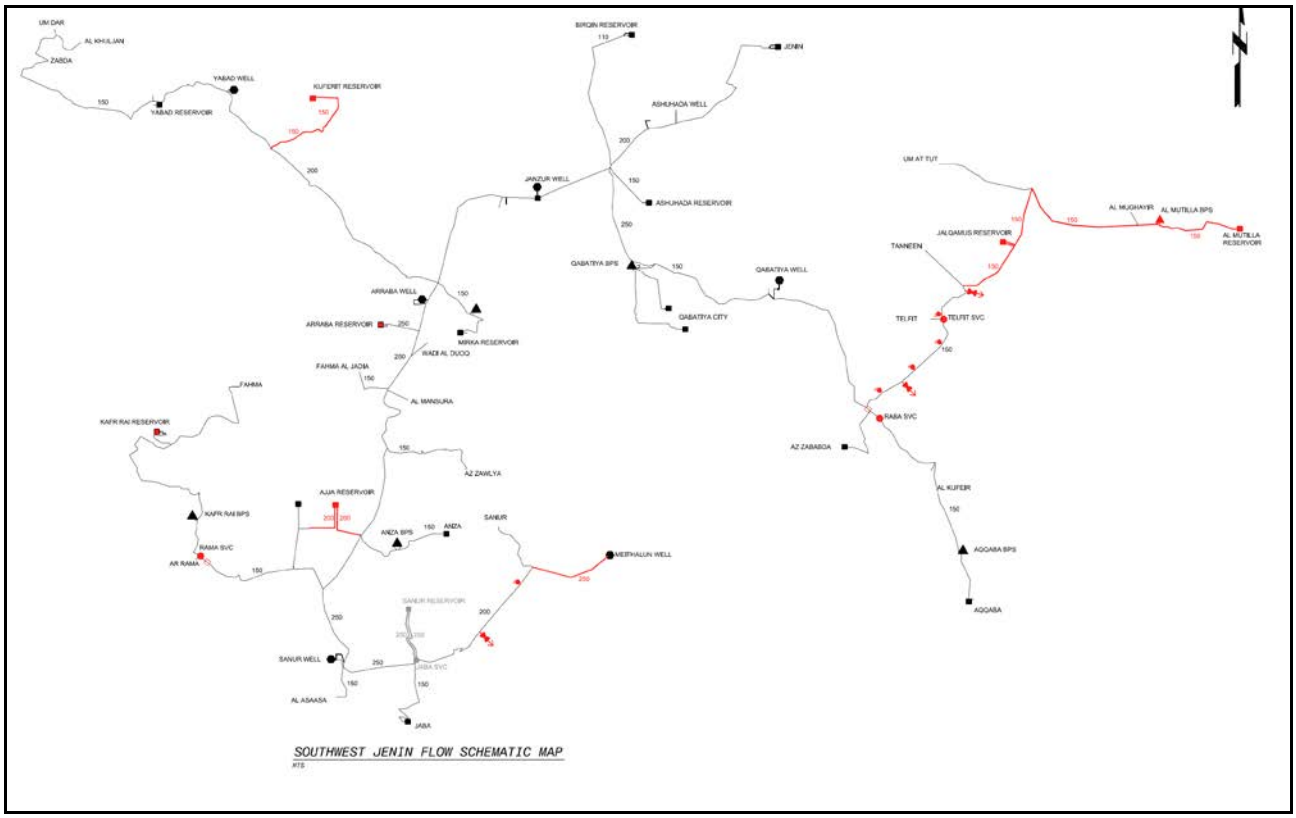
Access Road Upgrades

1. Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)
2. Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)
3. Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)
4. Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)

Chamber Construction, Replacement, and Rehabilitation.

i. Construction of new washout and air release valve chambers along existing Zababdeh – Telfit Pipeline.
ii. Rehabilitation of existing chambers mechanical appurtenances and structural elements as well as construction of new service connection chambers and monitoring chambers that will include a SCADA monitoring system.
iii. Replacement of old washout and air release valve chambers along existing Sanur Main pipeline.

1.4 Project Key Map



1.5 Task Order Key Data

Project Name:	Southwest Jenin Water Project
Indefinite Quantity Contract No.:	AID-294-I-00-12-00002
Task Order No.:	AID-294-TO-015-00010
NTP Date:	October 26, 2015
Contract Value:	$ 12,949,433.37

BOQ Line Item Amount:	$ 12,449,433.37
Day Work Amount:	$ 500,000.00
Start Date Of Construction Activity:	Not Yet
Contractual Period Of Performance:	480 Calendar Days
Contractual completion Date:	February 16, 2017

1.6 Contract Milestones:

The contractual milestones are:
Start Milestone – Notice to Proceed: October 26, 2015
Finish Milestone – Project Completion Date: February 16, 2017

2 Permits

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

- Israeli Civil Administration (ICA) Construction Permit
- Palestinian Water Authority (PWA) Construction Permits

3 Project Construction Area

- The project construction area distributed between Areas A, B and C. Therefore; The Morganti Group, Inc., (TMGI) will implement a proactive performance of any and all coordination needed with the District Civil Liaison Office (DCL), Civil Administration Departments, Ma'atz (Israeli National Roads Company), the Israeli Police and any other relevant authority or utility that has jurisdiction over any portion of the construction works. Coordination includes, but is not limited to, any work needed to obtain approvals; coordinating the movement of personnel, equipment and materials to and from the project site; and any other coordination required by the relevant authorities to ensure no hindrance of the scheduled completion of the project in a timely manner.

4 Traffic Control Plan

TMGI and SAK will implement traffic control plan prior to starting any work in the road right-of-way/easement and the traffic control plan and safety measures will be maintained during construction activities.
The following segments of transmission pipe lines are located in Area C

1. ANZA - AJJA TRANSMISSION PIPELINE
   From STA: 0+270 to STA: 1+104

2. YABAD - KUFEIRIT TRANSMISSION PIPELINE
   From STA: 0+000 to STA: 0+640.

3. JALQAMUS - AL MUTILLA TRANSMISSION PIPELINE (AL Mughayyir-AL Mutilla Force Line).
   From STA 0+270 to STA: 1+430.

5 Safety Program:

TMGI will post OSHA-required notices and establish safety programs prior to starting any work as stated in section C.9.2 of basic IQC Contract; protect life, property and the environment with

respect to all work performed under this IQC, whether performed by the Prime-Contractor or subcontractors.

6 Period of Performance

The period of performance for this project **'Southwest Jenin Water Project'** under this Task Order is **480 calendar days** from the date of USAID's issuance of the Notice to Proceed (NTP) to the date of project completion and acceptance by USAID.

7 Task Order Constraints

All schedule constraints were incorporated in the preliminary schedule as required in RFTOP-WATER-294-15-000008 section F5 – B1

Activity Name	Constraint
Preparation & Submit Copy of **Bank Guarantee Certificates**	Within (14) calendar days after the date of Task Order award
Preparation & Submit **Scheduling Qualification Submittal**	within 10 Days after Notice to Proceed
Preparation & Submit **Key Staff**	Due no later than 14 days NTP
Preparation & Submit **Quality Control Program**	Due no later than 30 days after Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit **Safety Plan**	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit **Traffic Control Plan**	Due prior to commencement of any construction activity.
Preparation & Submit **Environmental Monitoring and Mitigation Plan**	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit **Baseline CPM Schedule**	Due no later than 45 days after issuance of NTP

8 Work Groups and Crews:

As indicated previously TMGI will execute and perform the work through its subcontractor SAK, the construction work plan was established based on the following work groups and crews:

1. Surveying, Shop Drawings and Dilapidation Activity:

- Three crews will start the surveying, shop drawings and dilapidation recording.
  Each crew will compose of the following equipment and workforce:
  - 1 Foreman, 1 surveyor, 1 Engineer and 2 helpers.
  - 1 Pickups and 1 surveying equipment sets,

2. Construction of Facilities:

- Two Groups (each Group consist of two Crews) will handle the construction of the civil works of Reservoirs and the Booster Station. The responsibility of each crew includes:
  - Demolition and excavation.
  - Pouring concrete for blinding. Fixing and installing formwork. Bending and fixing steel reinforcement. R.C pouring for foundations, columns, walls and roof slab.
  - External works including base course, asphalt, riprap, fences, walls, gates, and all other works.

  Each crew will compose of the following equipment and workforce:
  - 1 Foreman, 3 formwork erectors, 2 steel fixers, 5 helpers and 1 pipe fitter.
  - 1 Rock breaker/ excavator, 1 JCB 3CX, 1 Loader, 1 Dump Trucks, 1 Steel Roller, 1 Plate Compactor, 1 Concrete Pump, 4 Transit Mixers, 2 Vibrators, 1 Water Tank-Part Time, and 1 steel bar bending and cutting machine.

3. Yard piping and mechanical assemblies at the Booster Station and Reservoirs:

- One crew will handle all yard piping and mechanical assemblies. The responsibility of this crew includes:
  - Welding and installing all pipes at the booster station and reservoirs.
  - Installing all mechanical assemblies in the booster station and reservoirs.

  This crew will compose of the following equipment and workforce:
  - 1 Foreman, 1 welder, 1 fabricator, and 2 unskilled labors.
  - 1 Generator, 1 Welding Machine, 1 small crane, 1 Truck.

4. Excavation, pipeline Installation, Backfilling:

- One crew will handle the main transmission pipeline. As per the following sequence of work

  1. Sanur Junction to Maythaloun Well pipeline (250mm x 3.7 km)
  2. Talfit Junction to Jalqamus Reservoir (150mm x 2.3 km)
  3. Jalqamus Reservoir to Jalqamus Junction (150mm x 1.8 km)
  4. Jalqamus Junction to Al Mutilla Booster Station (150mm x 2.7 km)
  5. Al Mutilla Booster Station to Al Mutilla Reservoir (150mmx 1.7 km)
  6. Al Mutilla Distribution Network.
  7. Yabad Junction to Kuferit Reservoir pipeline (150mm x 2.4 km)
  8. Anza Junction to Ajja Reservoir pipeline (200mm x 1.1 km)
  9. Ajja Network Supply Pipeline (200mm x 1.2 km)

  The responsibility of each crew includes:
  - Excavation, bedding, pipe welding and backfilling,

Each crew will compose of the following equipment and workforce:

- 1 Foreman, 2 skilled labors and 2 welders.
- 1 Excavator, 1 JCB 3CX, 2 Dump Trucks, 1 Loader CAT 950, 1 Water tank, 1 Steel Roller Bomag, 1 Generator, 1 truck crane, 1 welding machine, and 1 Asphalt Cutter and Hand tools.

The average productivity rate for each crew including trench excavation, bedding, installation, and backfilling and cathode protection and testing will be:

For 2" Transmission Pipeline is 100 linear meter per day (Network)
For 3" Transmission Pipeline is 100 linear meter per day (Network)
For 6" Transmission Pipeline is 120 linear meter per day
For 8" Transmission Pipeline is 90 linear meter per day
For 10" Transmission Pipeline is 80 linear meter per day

5. **Pipe Fabrication and welding:**

- One crew will handle the pipe fabrication and welding and will compose of the following equipment and workforce:
  - 1 Welding Forman, 2 welders, and 2 skilled labors.
  - 2 Welding Machines, 2 mobile generator sets, 1 20 ton crane and 1 holiday machine.

6. **Pipeline Cathodic Protection:**

- One crew will handle the cathodic protection installation. The responsibility of this crew includes:
  - Hole Boring, Anodes Installation, Exothermal welding and weld protection,
  - Install Test Stations

  This crew will compose of the following equipment and workforce:
  - 1 Foreman, welder and helper.
  - 1 Auger drill, 1 Generator, 1 pickup, I welding machine and 1 set of hand tools.

7. **Chambers Construction:**

- Two crews will handle all chambers Construction and fittings installation. The responsibility of each crew includes:
  - Fixing and installing manhole formwork.
  - Bending and fixing steel reinforcement.
  - Concrete pouring and Covers installation

  Each crew will compose of the following equipment and workforce:
  - 2 Carpenter (one of them Foreman), 2 Steel Fixer, 2 unskilled and 2 skilled labors.
  - 1 Concrete Vibrator, 1 Generator and 1 Truck.

8. **Mechanical assemblies inside Chambers:**

- One crew will handle all piping and mechanical assemblies at chambers. The responsibility of this crew includes:
  - Welding and installing all pipes connection.
  - Installing all mechanical assemblies in chambers.

  This crew will compose of the following equipment and workforce:
  - 1 Foreman, 1 welder, 1 fabricator, and 4 unskilled labors.
  - 1 Generator, 1 Welding Machine, 1 small crane, 1 Truck.

9. **Pipelines trench reinstatement:**

- One crew will handle the trench reinstatement over trenches. The responsibility of this crew includes:
    - Spreading, mixing, leveling and compaction of base course layers with the required thicknesses as per specifications, details and BOQ.
    - Spraying prime coat MCO70.
    - Spreading, levelling and compaction of asphalt layers with the required thicknesses as per specifications, details and BOQ.
    - Spraying tack coat RC where needed.

  This crew will compose of the following equipment and workforce:
    - 1 Foreman, 2 skilled labors, 2 unskilled labors.
    - 1 truck, 1 Excavator JCB 3CX, 1 Water Tanker, 1 bobcat with power broom, 1 pickup, 1x 120cm asphalt steel roller, 1 pneumatic roller, 1 MCO70 and/ or RC spraying tanker and 1 asphalt cutting machine.

  Productivity rate for pipelines trench reinstatement will be as follows:

    - 200 - 300 linear meters per day for asphalt trench restoration.
    - 150 - 200 linear meters per day for Base course trench restoration (if required). Laying of Base course layer will be immediately after completion of installation and backfilling of trench.
    - The testing of base course layer will be carried out prior applying the two layers of asphalt.

10. **Cleaning, washing, testing & disinfection:**

- One crew will handle the cleaning, washing, testing & disinfection of water-holding structures and/or pipelines. The responsibility of this crew includes:
    - Hydro testing, cleaning, washing, flushing & disinfection of the pipelines.
    - Perform all bacteriological tests as per the specifications.

  This crew will compose of the following equipment and workforce:
    - 1 Foreman, 1 lead bacteriological technician, 2 skilled labors, 2 unskilled labors.
    - 1 Water Tanker, 1 hydrostatic pump, 1 pickup, 2 calibrated gauges and 1 generator.

11. **Power Supply, Electrical Panels, Instrumentation Installation and SCADA Activation:**

- One crew will handle the electrical power supply connections and SCADA activation. The responsibility of this crew includes:
    - Installation of the RTU/PLC panels and Antennas at specific locations
    - Programing and communication setup and integration into Ramallah CCR Panel
    - Installation of MCC panels and necessary cabling to various instruments and equipment

  This crew will compose of the following equipment and workforce:
    - 1 Foremen, 3 skilled electricians, 3 unskilled labors.
    - Cable termination kits, megger meter and tools.

  It is to be noted that all required plant and equipment needed to perform the works per the crews' assignment above are all available.

12. **Roads reinstatement and Access Road Upgrades:**

- One crew will handle the roads reinstatement for the complete or up to 3.0 m of the road width. The responsibility of this crew includes:
    - Spreading, mixing, leveling and compaction of subgrade layers, and base course layers with the required thicknesses as per specifications, details and BOQ.

- Spraying prime coat MCO70.
- Spreading, leveling and compaction of asphalt layers with the required thicknesses as per specifications, details and BOQ.

This crew will compose of the following equipment and workforce:

- 1 Foreman, 2 skilled labors, 2 unskilled labors.
- 4 trucks, 1 loader CAT 950, 1 water tanker, 1 bobcat, 1 pickup, 1 asphalt steel roller, 2 pneumatic rollers, 1 asphalt finisher, 1 MCO70 spraying tanker and 1 asphalt cutting machine.

Productivity Rate will be as follows:

- Excavation, backfilling, subgrade preparation, Sub Base and Base course layers: 1000 – 1200 m2 per day.
- Asphalt work: 2000 – 2200 m2 per day.

9 Sequence of work and logic Network:

- ✓ Based on the above-mentioned work groups and crews and the task order scope of work, the construction related activities were planned and sequenced to minimize public disruption and to complete the project within the time frame.
- ✓ The execution activities were scheduled to be started following approval of implementation of traffic control plan and safety plan.
- ✓ The execution activities will be started following approval of shop drawings in addition to the approval of material and method statement submittals.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.
- ✓ The work group of transmission pipelines and chambers will start work following delivery of pipes and will start construction activities from Area A and B, to allow sufficient time for coordination and approval of traffic control plan from Israeli authority at area C.
- ✓ TMGI will execute and perform the aforementioned task order through its subcontractor SAK.
- ✓ TMGI will use the CPM scheduling technique to plan, schedule, and tracking and control the performance of work prior, during, and after construction period of the project.
- ✓ The Original Baseline CPM Schedule comprises all the detailed construction-related activities using the critical path method (CPM). The Schedule provides sufficient detail and clarity to reflect the intricacies and interdependencies of activities to Morganti plan, schedule, monitor, control and report on the progress of its work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.

The original CPM Schedule shows detailed construction-related activities for the entire project including **preconstruction**, **construction** and **post construction** phase as Follows:

- The project was divided to three main phases; **Preconstruction Phase**, **Construction Phase** and **Post Construction phase**, in addition to the **general and intermediate milestones**.
- The **Preconstruction Phase** consists of the following:
  - ✓ List of Preconstruction Submittals activities that will be submitted during the preconstruction phase and prior to commencement of any construction activities.
  - ✓ List of mobilization activities that will be completed during the initial 30 days after Notice to Proceed (NTP).

- The **Construction Phase** consists of the following activities:
  - ✓ Construction submittals activities that consist of the following:
    - Material Submittals such as mechanical, electrical and civil material submittals,
    - Submittals necessary for long lead items procurement.
    - Shop drawing submittals for transmission pipelines, booster station and reservoirs.

  - ✓ Procurement activities are planned to be started immediately following approval of long lead items submittals.
  - ✓ Execution Activities: the Work Break down Structure (WBS) consists of all execution activities to complete the scope of work under this task order. The execution phase divided into four major zones based on the geographical location and sequenced as follows :
  - ✓ Zone 01

1. Al Mutilla Reservoir (Elevated); Work group 01 – First crew
2. Jalqamous Reservoir; Work group 01 – Second crew
3. Al Mutilla Booster Station; Work group 01 – First crew

- ✓ Zone 02
  1. Arraba Reservoir; Work group 02 – First crew
  2. Kuferit Reservoir; Work group 02 – Second crew

- ✓ Zone 03
  1. Ajja Reservoir; Work group 02 – First crew
  2. Kafr Rai Reservoir; Work group 02 – Second crew

For more details regarding Sequence of work groups, please see attached schematic plan

- ✓ Zone 04 (Chamber crew 01)
  - Replacement of chambers

- ✓ Each zone is organized based on the scope of work for the project as follows:
  - Segment 1: Construction of Facilities and Access Road Upgrades.
  - Segment 2: Construction of Transmission Mains & Supply Pipelines

  - ✓ Training, commissioning and start up activities.

- The **Post Construction Phase** Consists of the following activities:
  - ✓ Post Construction submittals that include warranties, operation and maintenance manual submittals activities.
  - ✓ Demobilization activities.

(For more details regarding the component of each WBS, please refer to the attached WBS – Summary Schedule and detail CPM Schedule).

10 Calendars:

Three types of calendars were used for the Preliminary progress schedule

- 7-Day Workweek (without holidays): for Milestones activities
  - Working Days: 7 days / week.
  - Working Hours: 8 hours / day.

- SWJ - 6 Day Work: for Contractor's activities:
  - Working Days: 6 days / week
  - Working Hours: 8 hours / day
  - Weekly Holiday: Friday
  - Including local holidays listed below.
  - Including rainy days listed below.

- SWJ- 5 Day Work: for Engineer's activities:
  - Working Days: 5 days / week
  - Working Hours: 8 hours / day
  - Weekly Holiday: Friday and Saturday.
  - Including local holidays listed below.

- Working Hours (Normal): 8 hours / day

- Working Hours during month of Ramadan: Saturday – Thursday, 5 hours / day,

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

- Official Palestinian Holidays:

  - ✓ Official Palestinian Holidays 2015:
    - January 01, 2015: National Day
    - April 12, 2015: Easter Day (Eastern)
    - May 01, 2015: Labor Day (International)
    - July 18 to July 20, 2015: Eid Al-Fitr (Feast of Breaking the Fast)
    - September 23 to September 27, 2015: Eid Al-Adha (Feast of the Sacrifice)
    - November 15, 2015: Independence Day (Palestinian State Declaration)
    - December 25, 2015: Christmas Day (Western calendar).
  - ✓ Official Palestinian Holidays 2016:
    - January 01, 2016: National Day
    - May 01, 2016: Easter Day (Eastern)
    - May 01, 2016: Labor Day (International) Actual Holiday to be taken on May 02, 2016
    - July 05 to July 07, 2016: Eid Al-Fitr (Feast of Breaking the Fast)
    - September 11 to September 13, 2016: Eid Al-Adha (Feast of the Sacrifice)
    - November 15, 2016: Independence Day (Palestinian State Declaration)
    - December 25, 2016: Christmas Day (Western calendar).
  - ✓ Official Palestinian Holidays 2017:
    - January 01, 2017: National Day
    - April 16, 2017: Easter Day (Eastern)
    - May 01, 2017: Labor Day (International)
    - June 25 to June 27, 2017: Eid Al-Fitr (Feast of Breaking the Fast)
    - September 02 to September 05, 2017: Eid Al-Adha (Feast of the Sacrifice)
    - November 15, 2017: Independence Day (Palestinian State Declaration)
    - December 25, 2017: Christmas Day (Western calendar).

    - ✓ Any public holiday that falls on a Friday will be taken on a Thursday but if that Thursday is part of the holiday then the preceding non-holiday day will be taken instead
    - ✓ Any public holiday that falls on a Saturday (for SWJ - 5 Day Work) will be taken on a Sunday but if that Sunday is part of the holiday then the following non-holiday day will be taken instead.

- Weather Delays:

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

  - ✓ Two days during January 2016: January 19, and 20, 2016.
  - ✓ Two days during February 2016: February 20 and 21, 2016.
  - ✓ Two days during December 2016: December 15 and 17, 2016.
  - ✓ Three days during January 2017: January 7, 10, and 11, 2017.
  - ✓ Three days during February 2017: February 05, 06 and 07, 2017.

11 Scheduling assumptions

11.1 Project Constraint:

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

Activity Name	Constraint
Start Milestone - **Notice to Proceed:**	October 26, 2015
Finish Milestone - **Project Completion:**	February 16, 2017
Preparation & Submit Copy of **Bank Guarantee Certificates**	Within (14) calendar days after the date of Task Order award
Preparation & Submit **Scheduling Qualification Submittal**	within 10 Days after Notice to Proceed
Preparation & Submit **Key Staff**	Due no later than 14 days NTP
Preparation & Submit **Quality Control Plan** with **Testing Lab C.V**	Due no later than 30 days after issuance of Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit **Safety Plan**	Due no later than 45 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit **Traffic Control Plan**	Due prior to commencement of any construction activity.
Preparation & Submit **Environmental Monitoring and Mitigation Plan**	Due no later than 45 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit **Original CPM Construction Schedule**	Due no later than 45 days after issuance of NTP

11.2 Activity Codes:

A: General Milestone
IA: Intermediate Milestone
SWJ: South West Jenin Project
ARR: Arraba Reservoir
JLR: Jalqamus Reservoir
KRR: Kafr Rai Reservoir
AJR: Ajja Reservoir
KFR: Kuferit Reservoir
MTR: Al Mutilla Reservoir
MTB: Al Mutilla Booster Station
JMT: Jalqamus - Al Mutilla Transmission Pipeline
MTT: Al Mutilla Transmission Pipeline
SMT: Sanur - Maythaloun Transmission Pipeline
AAT: Anza - Ajja Transmission Pipeline
YKT: Yabad - Kuferit Transmission Pipeline
TJT: Talfit - Jalqamus Transmission Pipeline
JLT: Jalqamus Transmission Pipeline
AJP: Ajja Network Supply Pipeline
MTN: Al Mutilla Distribution Network
MOB: Mobilization
PCS: Preconstruction Submittals
R&A: Review and Approval

COR: Coordination activities
SD: Shop drawing submittals
CS: Construction Submittals
MMS: Mechanical Material Submittals
CMS: Civil Material Submittals
EMS: Electrical Material Submittals
PRO: Procurement
E: Execution activities
PCS: Post Construction Submittals
ER: Elevated Reservoir
BS: Pump station
CH: Chambers

11.3 Duration Estimates:

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

11.4 Primavera Setting

A. Schedule Options:

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

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

C. The Default activity type is "Independent Task".

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

11.5 Scheduling setting

Scheduling .....Yes

Leveling .....No

Ignore relationships to and from other projects .....No

Make open-ended activities critical .....No

Use Expected Finish Dates .....Yes

Schedule automatically when a change affects dates .....No

Level resources during scheduling .....No

Recalculate assignment costs after scheduling .....No

When scheduling progressed activities use .....Retained Logic

Calculate start-to-start lag from .....Early Start

Define critical activities as Total Float less than or equal to 0

Compute Total Float as .....Finish Float

Calculate float based on finish date of .....Each project

Calendar for scheduling Relationship Lag .....Predecessor Activity Calendar

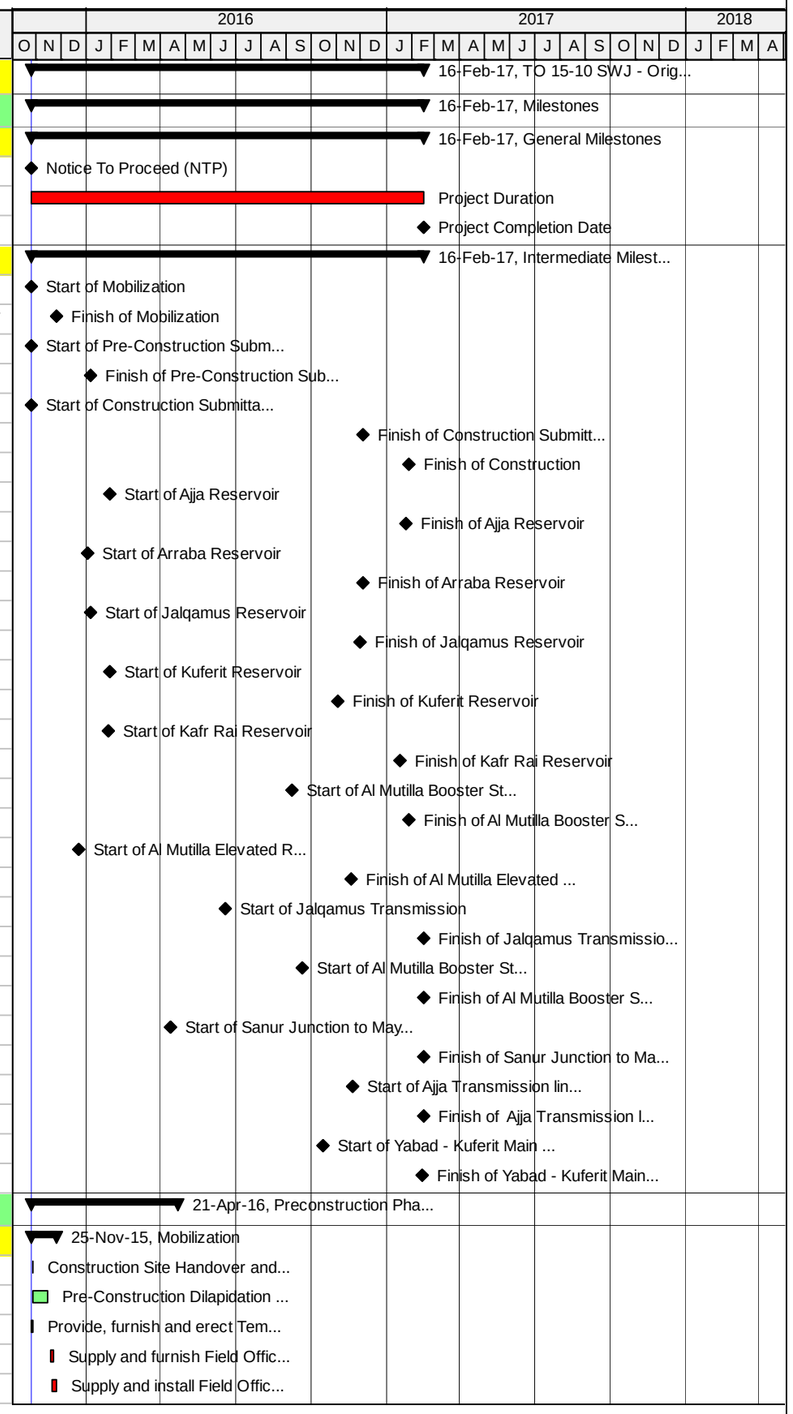
Advanced

Calculate multiple float paths.....No

TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

13-Feb-16 21:22

Activity ID	Activity Name	Original Duration	Start	Finish
TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project				
Milestones				
General Milestones				
A-1000	Notice To Proceed (NTP)	0d	26-Oct-15*	
A-1010	Project Duration	480d	26-Oct-15	16-Feb-17
A-1020	Project Completion Date	0d		16-Feb-17*
Intermediate Milestones				
AI-1000	Start of Mobilization	0d	26-Oct-15	
AI-1010	Finish of Mobilization	0d		25-Nov-15*
AI-1020	Start of Pre-Construction Submittals	0d	26-Oct-15	
AI-1030	Finish of Pre-Construction Submittals	0d		06-Jan-16*
AI-1040	Start of Construction Submittals	0d	26-Oct-15	
AI-1050	Finish of Construction Submittals	0d		03-Dec-16
AI-1060	Finish of Construction	0d		29-Jan-17
AI-AJR-1090	Start of Ajja Reservoir	0d	30-Jan-16	
AI-AJR-1100	Finish of Ajja Reservoir	0d		25-Jan-17
AI-ARR-1000	Start of Arraba Reservoir	0d	02-Jan-16	
AI-ARR-1030	Finish of Arraba Reservoir	0d		04-Dec-16
AI-JLR-1070	Start of Jalqamus Reservoir	0d	06-Jan-16	
AI-JLR-1080	Finish of Jalqamus Reservoir	0d		29-Nov-16
AI-KFR-1070	Start of Kuferit Reservoir	0d	30-Jan-16	
AI-KFR-1080	Finish of Kuferit Reservoir	0d		02-Nov-16
AI-KRR-1110	Start of Kafr Rai Reservoir	0d	28-Jan-16	
AI-KRR-1120	Finish of Kafr Rai Reservoir	0d		17-Jan-17
AI-MTB-1070	Start of Al Mutilla Booster Station	0d	08-Sep-16	
AI-MTB-1080	Finish of Al Mutilla Booster Station	0d		29-Jan-17
AI-MTR-1050	Start of Al Mutilla Elevated Reservoir	0d	23-Dec-15	
AI-MTR-1060	Finish of Al Mutilla Elevated Reservoir	0d		19-Nov-16
AI-MTR-1070	Start of Jalqamus Transmission	0d	19-Jun-16	
AI-MTR-1080	Finish of Jalqamus Transmission	0d		16-Feb-17
AI-MTR-1090	Start of Al Mutilla Booster Station to Al Mutilla Reservoir	0d	21-Sep-16	
AI-MTR-1100	Finish of Al Mutilla Booster Station to Al Mutilla Reservoir	0d		16-Feb-17
AI-MTR-1110	Start of Sanur Junction to Maythaloun Well	0d	12-Apr-16	
AI-MTR-1120	Finish of Sanur Junction to Maythaloun Well	0d		16-Feb-17
AI-MTR-1130	Start of Ajja Transmission line	0d	21-Nov-16	
AI-MTR-1140	Finish of Ajja Transmission line	0d		16-Feb-17
AI-MTR-1150	Start of Yabad - Kuferit Main Transmission line	0d	16-Oct-16	
AI-MTR-1160	Finish of Yabad - Kuferit Main Transmission line	0d		13-Feb-17
Preconstruction Phase				
Mobilization				
SWJ - MOB-0999	Construction Site Handover and Receive Conformed Drawings	1d	27-Oct-15	27-Oct-15
SWJ - MOB-1000	Pre-Construction Dilapidation Survey	15d	28-Oct-15	14-Nov-15
SWJ - MOB-1010	Provide, furnish and erect Temporary Project Signs	2d	26-Oct-15	27-Oct-15
SWJ - MOB-1020	Supply and furnish Field Office Furniture and Miscellaneous	2d	19-Nov-15	21-Nov-15
SWJ - MOB-1030	Supply and install Field Office Computer Systems and IT Equipments	5d	21-Nov-15	25-Nov-15



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

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TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

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Activity ID	Activity Name	Original Duration	Start	Finish
SWJ - MOB-1040	Arrange for and erect Contractor's work and Storage Yards	2d	21-Nov-15	22-Nov-15
SWJ - MOB-1060	Post OSHA-required notices and establish safety programs	2d	01-Nov-15	02-Nov-15
SWJ - MOB-1070	Installation of Temporary Facilities as per section 01500	3d	23-Nov-15	25-Nov-15
SWJ - MOB-1075	Survey Work	15d	26-Oct-15	11-Nov-15
SWJ - MOB-1080	Mobilization Summary	26d	26-Oct-15	25-Nov-15
Preconstruction Submittals				
SWJ-PC-SUB-01	Preparation & Submit Copy of Bank Guarantee Certificates	1d	09-Nov-15	09-Nov-15*
SWJ-PC-SUB-01-R&A	Review & Approval of Bank Guarantee Certificates	21d	10-Nov-15	09-Dec-15
SWJ-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal	2d	26-Oct-15	27-Oct-15*
SWJ-PC-SUB-02-R&A	Review & Approval of Scheduling Qualification Submittal	21d	28-Oct-15	26-Nov-15
SWJ-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	9d	26-Oct-15	04-Nov-15*
SWJ-PC-SUB-03-R&A	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21d	05-Nov-15	06-Dec-15
SWJ-PC-SUB-04	Preparation & Submit Submittals Schedule	2d	26-Oct-15	27-Oct-15
SWJ-PC-SUB-04-R&A	Review & Approval of Submittals Schedule	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-05	Preparation & Submit Key Staff	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-05-R&A	Review & Approval of Key Staff	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-06	Preparation & Submit Project Temporary Signs	2d	26-Oct-15	27-Oct-15
SWJ-PC-SUB-06-R&A	Review & Approval of Project Temporary Signs	18d	28-Oct-15	23-Nov-15
SWJ-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	2d	26-Oct-15	27-Oct-15
SWJ-PC-SUB-07-R&A	Review & Approval of Engineer's Field Office Location and Layout	15d	28-Oct-15	18-Nov-15
SWJ-PC-SUB-08	Preparation & Submit Field Office Furniture and Equipment Plan	2d	26-Oct-15	27-Oct-15
SWJ-PC-SUB-08-R&A	Review & Approval of Field Office Furniture and Equipment Plan	15d	28-Oct-15	18-Nov-15
SWJ-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	14d	01-Nov-15	19-Nov-15
SWJ-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V	5d	26-Oct-15	31-Oct-15*
SWJ-PC-SUB-10-R&A	Review & Approval of Quality Control Plan with Testing Lab C.V	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-11	Preparation & Submit Safety Plan	5d	26-Oct-15	31-Oct-15*
SWJ-PC-SUB-11-R&A	Review & Approval of Safety Plan	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-13	Preparation & Submit Environmental Monitoring and Mitigation Plan	3d	26-Oct-15	28-Oct-15*
SWJ-PC-SUB-13-R&A	Review & Approval of Environmental Monitoring and Mitigation Plan	21d	29-Oct-15	29-Nov-15
SWJ-PC-SUB-14	Preparation & Submit General Construction Method Statement	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-14-R&A	Review & Approval of General Constraction Method Statement	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule	21d	29-Oct-15	23-Nov-15*
SWJ-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule	21d	07-Dec-15	06-Jan-16*
SWJ-PC-SUB-16	Preparation & Submit Construction Risk Management Program	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-16-R&A	Review & Approval of Construction Risk Management Program	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-17	Preparation & Submit Dilapidation Survey	3d	16-Nov-15	18-Nov-15
SWJ-PC-SUB-17-R&A	Review & Approval of Dilapidation Survey	21d	19-Nov-15	17-Dec-15
SWJ-PC-SUB-19	Preparation & Submit Insurances	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-19-R&A	Review & Approval of Insurances	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-20	Preparation & Submit Lists of Permits and Licenses	5d	26-Oct-15	31-Oct-15
SWJ-PC-SUB-20-R&A	Review & Approval of Lists of Permits and Licenses	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-21	Preparation & Submit Dumping Site	4d	26-Oct-15	29-Oct-15
SWJ-PC-SUB-21-R&A	Review & Approval of Dumping Site	21d	01-Nov-15	30-Nov-15
SWJ-PC-SUB-22	Preparation & Submit Storage Yard	3d	26-Oct-15	28-Oct-15

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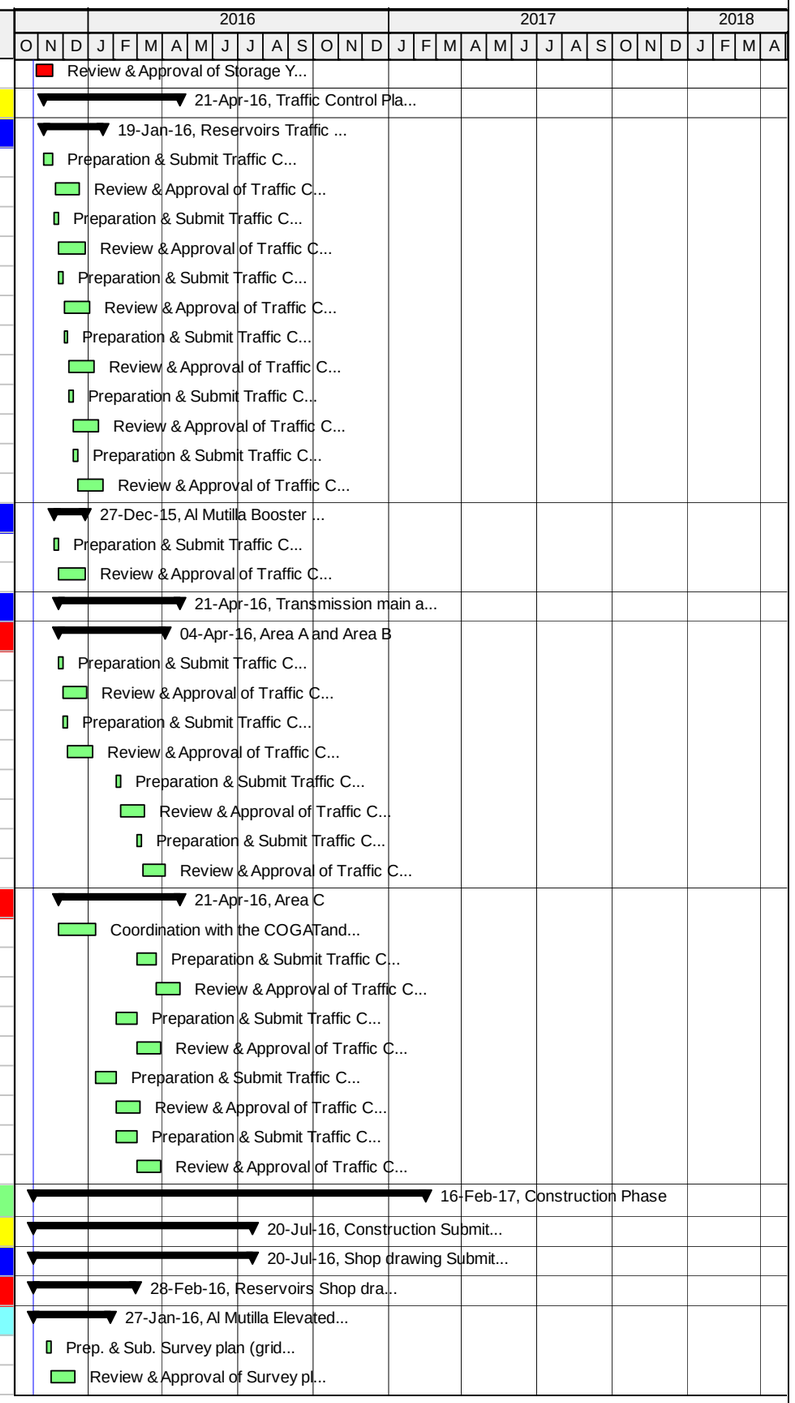
Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-PC-SUB-22-R&A	Review & Approval of Storage Yard	15d	29-Oct-15	19-Nov-15
Traffic Control Plan Submittals				
Reservoirs Traffic Control Plan Submittals				
SWJ-TCP-1000	Preparation & Submit Traffic Control Plan for Al Mutilla Reservoir	11d	07-Nov-15	19-Nov-15
SWJ-TCP-1010	Review & Approval of Traffic Control Plan for Al Mutilla Reservoir	21d	22-Nov-15	20-Dec-15
SWJ-TCP-1180	Preparation & Submit Traffic Control Plan for Arraba Reservoir	5d	21-Nov-15	25-Nov-15
SWJ-TCP-1190	Review & Approval of Traffic Control Plan for Arraba Reservoir	21d	26-Nov-15	27-Dec-15
SWJ-TCP-1200	Preparation & Submit Traffic Control Plan for Jalqamus Reservoir	5d	26-Nov-15	01-Dec-15
SWJ-TCP-1210	Review & Approval of Traffic Control Plan for Jalqamus Reservoir	21d	02-Dec-15	03-Jan-16
SWJ-TCP-1220	Preparation & Submit Traffic Control Plan for Kuferit Reservoir	5d	02-Dec-15	07-Dec-15
SWJ-TCP-1230	Review & Approval of Traffic Control Plan for Kuferit Reservoir	21d	08-Dec-15	07-Jan-16
SWJ-TCP-1240	Preparation & Submit Traffic Control Plan for Kafr Rai Reservoir	5d	08-Dec-15	13-Dec-15
SWJ-TCP-1250	Review & Approval of Traffic Control Plan for Kafr Rai Reservoir	21d	14-Dec-15	13-Jan-16
SWJ-TCP-1260	Preparation & Submit Traffic Control Plan for Ajja Reservoir	5d	14-Dec-15	19-Dec-15
SWJ-TCP-1270	Review & Approval of Traffic Control Plan for Ajja Reservoir	21d	20-Dec-15	19-Jan-16
Al Mutilla Booster Station Traffic Control Plan Submittals				
SWJ-TCP-1020	Preparation & Submit Traffic Control Plan for Al Mutilla Booster Station	5d	21-Nov-15	25-Nov-15
SWJ-TCP-1030	Review & Approval of Traffic Control Plan for Al Mutilla Booster Station	21d	26-Nov-15	27-Dec-15
Transmission main and supply pipelines Traffic Control Plan Submittals				
Area A and Area B				
SWJ-TCP-1280	Preparation & Submit Traffic Control Plan for Sanur Junction to Maythaloun Well	5d	25-Nov-15	30-Nov-15
SWJ-TCP-1290	Review & Approval of Traffic Control Plan for Sanur Junction to Maythaloun Well	21d	01-Dec-15	30-Dec-15
SWJ-TCP-1300	Preparation & Submit Traffic Control Plan for Talfit - Al Mutilla Pipeline (ø 150 mm - (9300) LM)	5d	01-Dec-15	06-Dec-15
SWJ-TCP-1310	Review & Approval of Traffic Control Plan for Talfit - Al Mutilla Pipeline (ø 150 mm - (9300) LM)	21d	07-Dec-15	06-Jan-16
SWJ-TCP-1320	Preparation & Submit Traffic Control Plan for Yabad-Kuferit Pipeline (Area A and B)	5d	04-Feb-16	09-Feb-16
SWJ-TCP-1330	Review & Approval of Traffic Control Plan for Yabad-Kuferit Pipeline (Area A and B)	21d	10-Feb-16	09-Mar-16
SWJ-TCP-1340	Preparation & Submit Traffic Control Plan for Anza-Ajja (Area A and B)	5d	01-Mar-16	06-Mar-16
SWJ-TCP-1350	Review & Approval of Traffic Control Plan for Anza-Ajja (Area A and B)	21d	07-Mar-16	04-Apr-16
Area C				
SWJ-COR-1010	Coordination with the COGATand DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45d	26-Nov-15	09-Jan-16
SWJ-TCP-1420	Preparation & Submit Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	20d	01-Mar-16	23-Mar-16
SWJ-TCP-1430	Review & Approval of Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	21d	24-Mar-16	21-Apr-16
SWJ-TCP-1440	Preparation & Submit Traffic Control Plan for Yabad-Kuferit Pipeline (Area C) From STA: 0+000 to STA: 0+640	20d	04-Feb-16	29-Feb-16
SWJ-TCP-1450	Review & Approval of Traffic Control Plan for Yabad-Kuferit Pipeline (Area C) From STA: 0+000 to STA: 0+640	21d	01-Mar-16	29-Mar-16
SWJ-TCP-1460	Preparation & Submit Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	20d	10-Jan-16	03-Feb-16
SWJ-TCP-1470	Review & Approval of Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	21d	04-Feb-16	03-Mar-16
SWJ-TCP-1480	Preparation & Submit Traffic Control Plan for Zone 4, Location 8, 9 and 10 (Area C)	20d	04-Feb-16	29-Feb-16
SWJ-TCP-1490	Review & Approval of Traffic Control Plan for Zone 4, Location 8, 9 and 10 (Area C)	21d	01-Mar-16	29-Mar-16
Construction Phase				
Construction Submittals				
Shop drawing Submittals				
Reservoirs Shop drawing Submittals				
Al Mutilla Elevated Reservoir - New Construction 500 m3				
MTR-SD-100	Prep. & Sub. Survey plan (grid points) for Al Mutilla Elevated Reservoir	3d	12-Nov-15	16-Nov-15
MTR-SD-110	Review & Approval of Survey plan (grid points) for Al Mutilla Elevated Reservoir	21d	17-Nov-15	15-Dec-15



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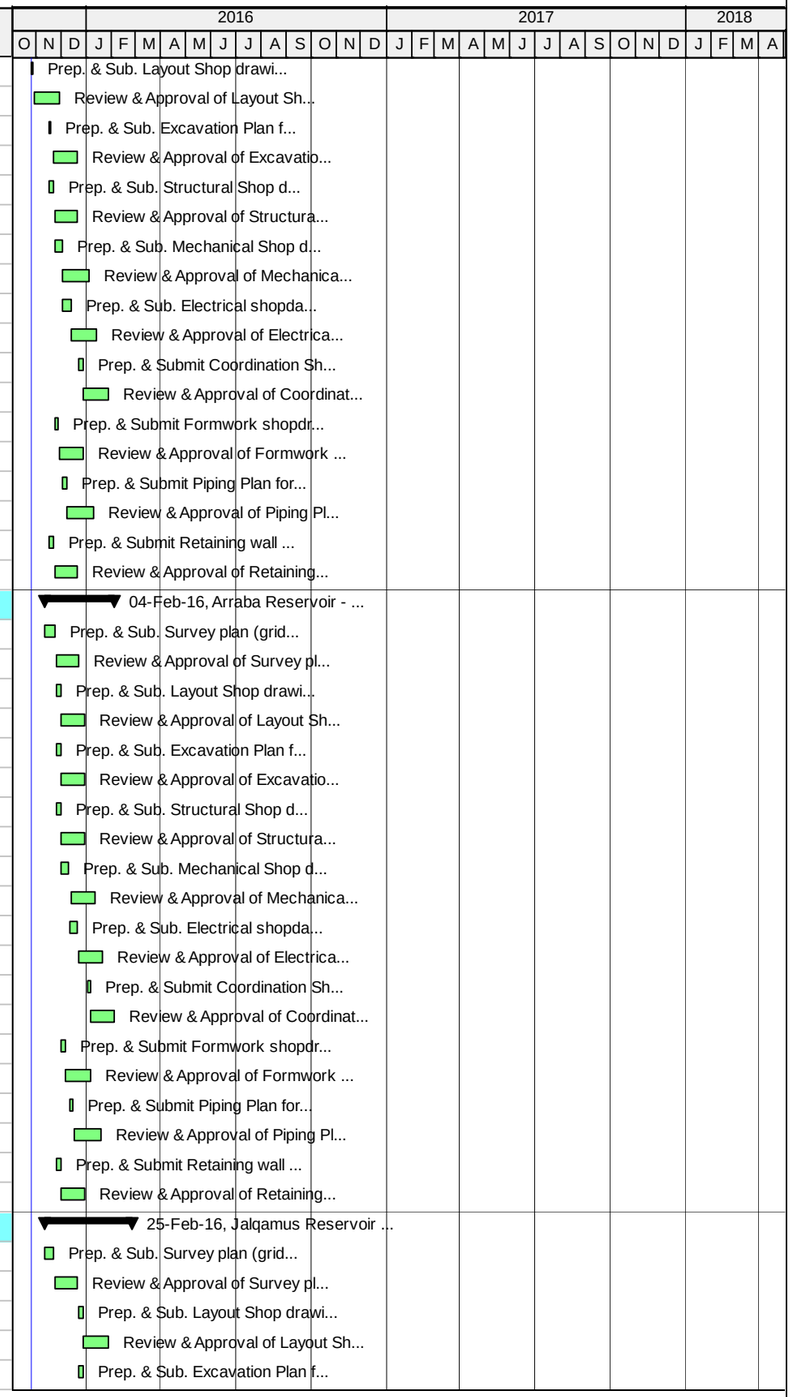
Activity ID	Activity Name	Original Duration	Start	Finish
MTR-SD-120	Prep. & Sub. Layout Shop drawing for Al Mutilla Elevated Reservoir	3d	26-Oct-15	28-Oct-15
MTR-SD-130	Review & Approval of Layout Shop drawing for Al Mutilla Elevated Reservoir	21d	29-Oct-15	29-Nov-15
MTR-SD-140	Prep. & Sub. Excavation Plan for Al Mutilla Elevated Reservoir	3d	17-Nov-15	19-Nov-15
MTR-SD-150	Review & Approval of Excavation Plan for Al Mutilla Elevated Reservoir	21d	22-Nov-15	20-Dec-15
MTR-SD-160	Prep. & Sub. Structural Shop drawing for Al Mutilla Elevated Reservoir	5d	17-Nov-15	22-Nov-15
MTR-SD-170	Review & Approval of Structural Shop drawing for Al Mutilla Elevated Reservoir	21d	23-Nov-15	21-Dec-15
MTR-SD-180	Prep. & Sub. Mechanical Shop drawing for Al Mutilla Elevated Reservoir	9d	23-Nov-15	02-Dec-15
MTR-SD-190	Review & Approval of Mechanical Shop drawing for Al Mutilla Elevated Reservoir	21d	03-Dec-15	04-Jan-16
MTR-SD-200	Prep. & Sub. Electrical shopdarwing for Al Mutilla Elevated Reservoir	9d	03-Dec-15	13-Dec-15
MTR-SD-210	Review & Approval of Electrical shopdarwing for Al Mutilla Elevated Reservoir	21d	14-Dec-15	13-Jan-16
MTR-SD-220	Prep. & Submit Coordination Shop drawing for Al Mutilla Elevated Reservoir	5d	22-Dec-15	28-Dec-15
MTR-SD-230	Review & Approval of Coordination Shop drawing for Al Mutilla Elevated Reservoir	21d	29-Dec-15	27-Jan-16
MTR-SD-240	Prep. & Submit Formwork shopdrawing for Al Mutilla Elevated Reservoir	5d	23-Nov-15	28-Nov-15
MTR-SD-250	Review & Approval of Formwork shopdrawing for Al Mutilla Elevated Reservoir	21d	29-Nov-15	28-Dec-15
MTR-SD-260	Prep. & Submit Piping Plan for Al Mutilla Elevated Reservoir	5d	03-Dec-15	08-Dec-15
MTR-SD-270	Review & Approval of Piping Plan for Al Mutilla Elevated Reservoir	21d	09-Dec-15	10-Jan-16
MTR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Al Mutilla Elevated Reservoir	5d	17-Nov-15	22-Nov-15
MTR-SD-290	Review & Approval of Retaining wall Shopdrawing for Al Mutilla Elevated Reservoir	21d	23-Nov-15	21-Dec-15
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3				
ARR-SD-100	Prep. & Sub. Survey plan (grid points) for Arraba Reservoir	10d	12-Nov-15	24-Nov-15
ARR-SD-110	Review & Approval of Survey plan (grid points) for Arraba Reservoir	21d	25-Nov-15	23-Dec-15
ARR-SD-120	Prep. & Sub. Layout Shop drawing for Arraba Reservoir	5d	25-Nov-15	30-Nov-15
ARR-SD-130	Review & Approval of Layout Shop drawing for Arraba Reservoir	21d	01-Dec-15	30-Dec-15
ARR-SD-140	Prep. & Sub. Excavation Plan for Arraba Reservoir	5d	25-Nov-15	30-Nov-15
ARR-SD-150	Review & Approval of Excavation Plan for Arraba Reservoir	21d	01-Dec-15	30-Dec-15
ARR-SD-160	Prep. & Sub. Structural Shop drawing for Arraba Reservoir	5d	25-Nov-15	30-Nov-15
ARR-SD-170	Review & Approval of Structural Shop drawing for Arraba Reservoir	21d	01-Dec-15	30-Dec-15
ARR-SD-180	Prep. & Sub. Mechanical Shop drawing for Arraba Reservoir	9d	01-Dec-15	10-Dec-15
ARR-SD-190	Review & Approval of Mechanical Shop drawing for Arraba Reservoir	21d	13-Dec-15	12-Jan-16
ARR-SD-200	Prep. & Sub. Electrical shopdarwing for Arraba Reservoir	9d	12-Dec-15	21-Dec-15
ARR-SD-210	Review & Approval of Electrical shopdarwing for Arraba Reservoir	21d	22-Dec-15	21-Jan-16
ARR-SD-220	Prep. & Submit Coordination Shop drawing for Arraba Reservoir	5d	02-Jan-16	06-Jan-16
ARR-SD-230	Review & Approval of Coordination Shop drawing for Arraba Reservoir	21d	07-Jan-16	04-Feb-16
ARR-SD-240	Prep. & Submit Formwork shopdrawing for Arraba Reservoir	5d	01-Dec-15	06-Dec-15
ARR-SD-250	Review & Approval of Formwork shopdrawing for Arraba Reservoir	21d	07-Dec-15	06-Jan-16
ARR-SD-260	Prep. & Submit Piping Plan for Arraba Reservoir	5d	12-Dec-15	16-Dec-15
ARR-SD-270	Review & Approval of Piping Plan for Arraba Reservoir	21d	17-Dec-15	18-Jan-16
ARR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Arraba Reservoir	5d	25-Nov-15	30-Nov-15
ARR-SD-290	Review & Approval of Retaining wall Shopdrawing for Arraba Reservoir	21d	01-Dec-15	30-Dec-15
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1,000 m3				
JLR-SD-1000	Prep. & Sub. Survey plan (grid points) for Jalqamus Reservoir	8d	12-Nov-15	22-Nov-15
JLR-SD-1010	Review & Approval of Survey plan (grid points) for Jalqamus Reservoir	21d	23-Nov-15	21-Dec-15
JLR-SD-1020	Prep. & Sub. Layout Shop drawing for Jalqamus Reservoir	5d	22-Dec-15	28-Dec-15
JLR-SD-1030	Review & Approval of Layout Shop drawing for Jalqamus Reservoir	21d	29-Dec-15	27-Jan-16
JLR-SD-1040	Prep. & Sub. Excavation Plan for Jalqamus Reservoir	5d	22-Dec-15	28-Dec-15



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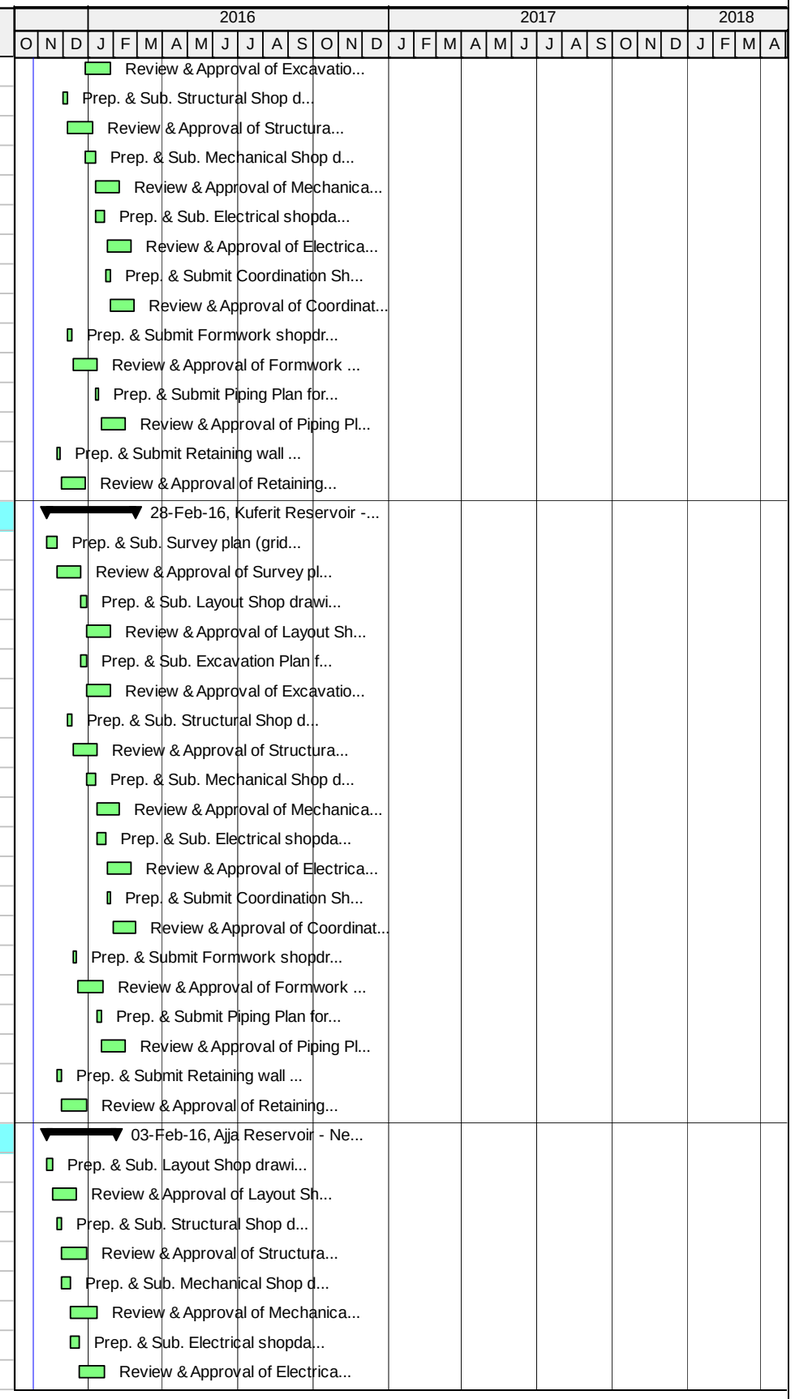
Activity ID	Activity Name	Original Duration	Start	Finish
JLR-SD-1050	Review & Approval of Excavation Plan for Jalqamus Reservoir	21d	29-Dec-15	27-Jan-16
JLR-SD-1060	Prep. & Sub. Structural Shop drawing for Jalqamus Reservoir	5d	01-Dec-15	06-Dec-15
JLR-SD-1070	Review & Approval of Structural Shop drawing for Jalqamus Reservoir	21d	07-Dec-15	06-Jan-16
JLR-SD-1080	Prep. & Sub. Mechanical Shop drawing for Jalqamus Reservoir	9d	29-Dec-15	09-Jan-16
JLR-SD-1090	Review & Approval of Mechanical Shop drawing for Jalqamus Reservoir	21d	10-Jan-16	07-Feb-16
JLR-SD-1100	Prep. & Sub. Electrical shopdarwing for Jalqamus Reservoir	9d	10-Jan-16	21-Jan-16
JLR-SD-1110	Review & Approval of Electrical shopdarwing for Jalqamus Reservoir	21d	24-Jan-16	21-Feb-16
JLR-SD-1120	Prep. & Submit Coordination Shop drawing for Jalqamus Reservoir	5d	23-Jan-16	27-Jan-16
JLR-SD-1130	Review & Approval of Coordination Shop drawing for Jalqamus Reservoir	21d	28-Jan-16	25-Feb-16
JLR-SD-1140	Prep. & Submit Formwork shopdrawing for Jalqamus Reservoir	5d	07-Dec-15	12-Dec-15
JLR-SD-1150	Review & Approval of Formwork shopdrawing for Jalqamus Reservoir	21d	13-Dec-15	12-Jan-16
JLR-SD-1160	Prep. & Submit Piping Plan for Jalqamus Reservoir	5d	10-Jan-16	14-Jan-16
JLR-SD-1170	Review & Approval of Piping Plan for Jalqamus Reservoir	21d	17-Jan-16	14-Feb-16
JLR-SD-1180	Prep. & Submit Retaining wall Shopdrawing for Jalqamus Reservoir	5d	23-Nov-15	28-Nov-15
JLR-SD-1190	Review & Approval of Retaining wall Shopdrawing for Jalqamus Reservoir	21d	29-Nov-15	28-Dec-15
Kuferit Reservoir - New Construction 500 m3				
KFR-SD-100	Prep. & Sub. Survey plan (grid points) for Kuferit Reservoir	9d	12-Nov-15	23-Nov-15
KFR-SD-110	Review & Approval of Survey plan (grid points) for Kuferit Reservoir	21d	24-Nov-15	22-Dec-15
KFR-SD-120	Prep. & Sub. Layout Shop drawing for Kuferit Reservoir	5d	23-Dec-15	29-Dec-15
KFR-SD-130	Review & Approval of Layout Shop drawing for Kuferit Reservoir	21d	30-Dec-15	28-Jan-16
KFR-SD-140	Prep. & Sub. Excavation Plan for Kuferit Reservoir	5d	23-Dec-15	29-Dec-15
KFR-SD-150	Review & Approval of Excavation Plan for Kuferit Reservoir	21d	30-Dec-15	28-Jan-16
KFR-SD-160	Prep. & Sub. Structural Shop drawing for Kuferit Reservoir	5d	07-Dec-15	12-Dec-15
KFR-SD-170	Review & Approval of Structural Shop drawing for Kuferit Reservoir	21d	13-Dec-15	12-Jan-16
KFR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kuferit Reservoir	9d	30-Dec-15	10-Jan-16
KFR-SD-190	Review & Approval of Mechanical Shop drawing for Kuferit Reservoir	21d	11-Jan-16	08-Feb-16
KFR-SD-200	Prep. & Sub. Electrical shopdarwing for Kuferit Reservoir	9d	11-Jan-16	23-Jan-16
KFR-SD-210	Review & Approval of Electrical shopdarwing for Kuferit Reservoir	21d	24-Jan-16	21-Feb-16
KFR-SD-220	Prep. & Submit Coordination Shop drawing for Kuferit Reservoir	5d	24-Jan-16	28-Jan-16
KFR-SD-230	Review & Approval of Coordination Shop drawing for Kuferit Reservoir	21d	31-Jan-16	28-Feb-16
KFR-SD-240	Prep. & Submit Formwork shopdrawing for Kuferit Reservoir	5d	13-Dec-15	17-Dec-15
KFR-SD-250	Review & Approval of Formwork shopdrawing for Kuferit Reservoir	21d	20-Dec-15	19-Jan-16
KFR-SD-260	Prep. & Submit Piping Plan for Kuferit Reservoir	5d	11-Jan-16	16-Jan-16
KFR-SD-270	Review & Approval of Piping Plan for Kuferit Reservoir	21d	17-Jan-16	14-Feb-16
KFR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Kuferit Reservoir	5d	24-Nov-15	29-Nov-15
KFR-SD-290	Review & Approval of Retaining wall Shopdrawing for Jalqamus Reservoir	21d	30-Nov-15	29-Dec-15
Ajja Reservoir - New Construction 1,000 m3				
AJR-SD-1000	Prep. & Sub. Layout Shop drawing for Ajja Reservoir	5d	12-Nov-15	18-Nov-15
AJR-SD-1010	Review & Approval of Layout Shop drawing for Ajja Reservoir	21d	19-Nov-15	17-Dec-15
AJR-SD-1020	Prep. & Sub. Structural Shop drawing for Ajja Reservoir	5d	24-Nov-15	29-Nov-15
AJR-SD-1030	Review & Approval of Structural Shop drawing for Ajja Reservoir	21d	30-Nov-15	29-Dec-15
AJR-SD-1040	Prep. & Sub. Mechanical Shop drawing for Ajja Reservoir	9d	30-Nov-15	09-Dec-15
AJR-SD-1050	Review & Approval of Mechanical Shop drawing for Ajja Reservoir	21d	10-Dec-15	11-Jan-16
AJR-SD-1060	Prep. & Sub. Electrical shopdarwing for Ajja Reservoir	9d	10-Dec-15	20-Dec-15
AJR-SD-1070	Review & Approval of Electrical shopdarwing for Ajja Reservoir	21d	21-Dec-15	20-Jan-16



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TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

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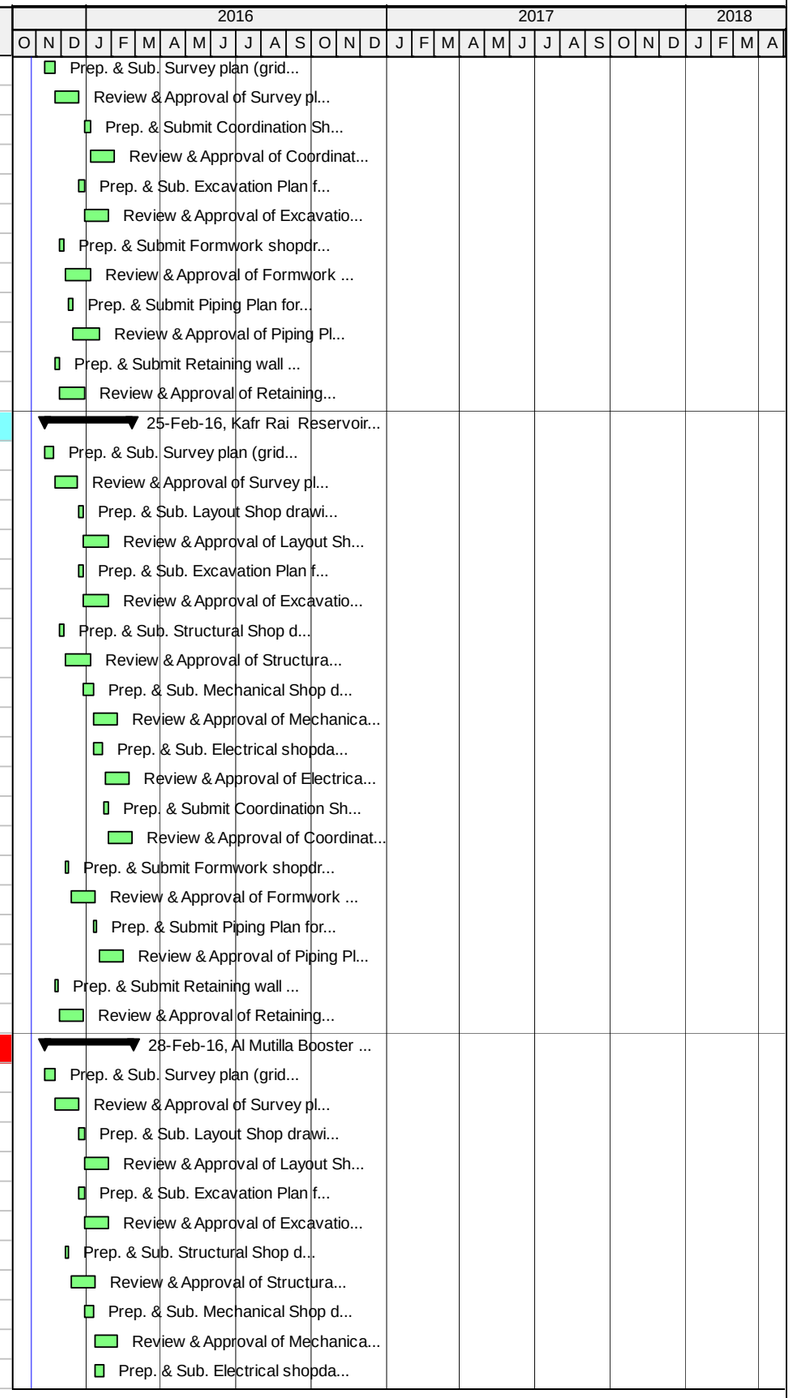
Activity ID	Activity Name	Original Duration	Start	Finish
AJR-SD-1080	Prep. & Sub. Survey plan (grid points) for Ajja Reservoir	9d	12-Nov-15	23-Nov-15
AJR-SD-1090	Review & Approval of Survey plan (grid points) for Ajja Reservoir	21d	24-Nov-15	22-Dec-15
AJR-SD-1110	Prep. & Submit Coordination Shop drawing for Ajja Reservoir	5d	30-Dec-15	05-Jan-16
AJR-SD-1115	Review & Approval of Coordination Shop drawing for Ajja Reservoir	21d	06-Jan-16	03-Feb-16
AJR-SD-1120	Prep. & Sub. Excavation Plan for Ajja Reservoir	5d	23-Dec-15	29-Dec-15
AJR-SD-1130	Review & Approval of Excavation Plan for Ajja Reservoir	21d	30-Dec-15	28-Jan-16
AJR-SD-1150	Prep. & Submit Formwork shopdrawing for Ajja Reservoir	5d	30-Nov-15	05-Dec-15
AJR-SD-1155	Review & Approval of Formwork shopdrawing for Ajja Reservoir	21d	06-Dec-15	05-Jan-16
AJR-SD-1170	Prep. & Submit Piping Plan for Ajja Reservoir	5d	10-Dec-15	15-Dec-15
AJR-SD-1175	Review & Approval of Piping Plan for Ajja Reservoir	21d	16-Dec-15	17-Jan-16
AJR-SD-1190	Prep. & Submit Retaining wall Shopdrawing for Ajja Reservoir	5d	24-Nov-15	29-Nov-15
AJR-SD-1195	Review & Approval of Retaining wall Shopdrawing for Ajja Reservoir	21d	30-Nov-15	29-Dec-15
Kafr Rai Reservoir - New Construction 1,000 m3				
KRR-SD-100	Prep. & Sub. Survey plan (grid points) for Kafr Rai Reservoir	8d	12-Nov-15	22-Nov-15
KRR-SD-110	Review & Approval of Survey plan (grid points) for Kafr Rai Reservoir	21d	23-Nov-15	21-Dec-15
KRR-SD-120	Prep. & Sub. Layout Shop drawing for Kafr Rai Reservoir	5d	22-Dec-15	28-Dec-15
KRR-SD-130	Review & Approval of Layout Shop drawing for Kafr Rai Reservoir	21d	29-Dec-15	27-Jan-16
KRR-SD-140	Prep. & Sub. Excavation Plan for Kafr Rai Reservoir	5d	22-Dec-15	28-Dec-15
KRR-SD-150	Review & Approval of Excavation Plan for Kafr Rai Reservoir	21d	29-Dec-15	27-Jan-16
KRR-SD-160	Prep. & Sub. Structural Shop drawing for Kafr Rai Reservoir	5d	30-Nov-15	05-Dec-15
KRR-SD-170	Review & Approval of Structural Shop drawing for Kafr Rai Reservoir	21d	06-Dec-15	05-Jan-16
KRR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kafr Rai Reservoir	9d	29-Dec-15	09-Jan-16
KRR-SD-190	Review & Approval of Mechanical Shop drawing for Kafr Rai Reservoir	21d	10-Jan-16	07-Feb-16
KRR-SD-200	Prep. & Sub. Electrical shopdarwing for Kafr Rai Reservoir	9d	10-Jan-16	21-Jan-16
KRR-SD-210	Review & Approval of Electrical shopdarwing for Kafr Rai Reservoir	21d	24-Jan-16	21-Feb-16
KRR-SD-220	Prep. & Submit Coordination Shop drawing for Kafr Rai Reservoir	5d	23-Jan-16	27-Jan-16
KRR-SD-230	Review & Approval of Coordination Shop drawing for Kafr Rai Reservoir	21d	28-Jan-16	25-Feb-16
KRR-SD-240	Prep. & Submit Formwork shopdrawing for Kafr Rai Reservoir	5d	06-Dec-15	10-Dec-15
KRR-SD-250	Review & Approval of Formwork shopdrawing for Kafr Rai Reservoir	21d	13-Dec-15	12-Jan-16
KRR-SD-260	Prep. & Submit Piping Plan for Kafr Rai Reservoir	5d	10-Jan-16	14-Jan-16
KRR-SD-270	Review & Approval of Piping Plan for Kafr Rai Reservoir	21d	17-Jan-16	14-Feb-16
KRR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Kafr Rai Reservoir	5d	23-Nov-15	28-Nov-15
KRR-SD-290	Review & Approval of Retaining wall Shopdrawing for Kafr Rai Reservoir	21d	29-Nov-15	28-Dec-15
Al Mutilla Booster Station Shop drawing Submittals				
MTB-SD-100	Prep. & Sub. Survey plan (grid points) for Al Mutilla Booster Station	9d	12-Nov-15	23-Nov-15
MTB-SD-110	Review & Approval of Survey plan (grid points) for Al Mutilla Booster Station	21d	24-Nov-15	22-Dec-15
MTB-SD-120	Prep. & Sub. Layout Shop drawing for Al Mutilla Booster Station	5d	23-Dec-15	29-Dec-15
MTB-SD-130	Review & Approval of Layout Shop drawing for Al Mutilla Booster Station	21d	30-Dec-15	28-Jan-16
MTB-SD-140	Prep. & Sub. Excavation Plan for Al Mutilla Booster Station	5d	23-Dec-15	29-Dec-15
MTB-SD-150	Review & Approval of Excavation Plan for Al Mutilla Booster Station	21d	30-Dec-15	28-Jan-16
MTB-SD-160	Prep. & Sub. Structural Shop drawing for Al Mutilla Booster Station	5d	06-Dec-15	10-Dec-15
MTB-SD-170	Review & Approval of Structural Shop drawing for Al Mutilla Booster Station	21d	13-Dec-15	12-Jan-16
MTB-SD-180	Prep. & Sub. Mechanical Shop drawing for Al Mutilla Booster Station	9d	30-Dec-15	10-Jan-16
MTB-SD-190	Review & Approval of Mechanical Shop drawing for Al Mutilla Booster Station	21d	11-Jan-16	08-Feb-16
MTB-SD-200	Prep. & Sub. Electrical shopdarwing for Al Mutilla Booster Station	9d	11-Jan-16	23-Jan-16



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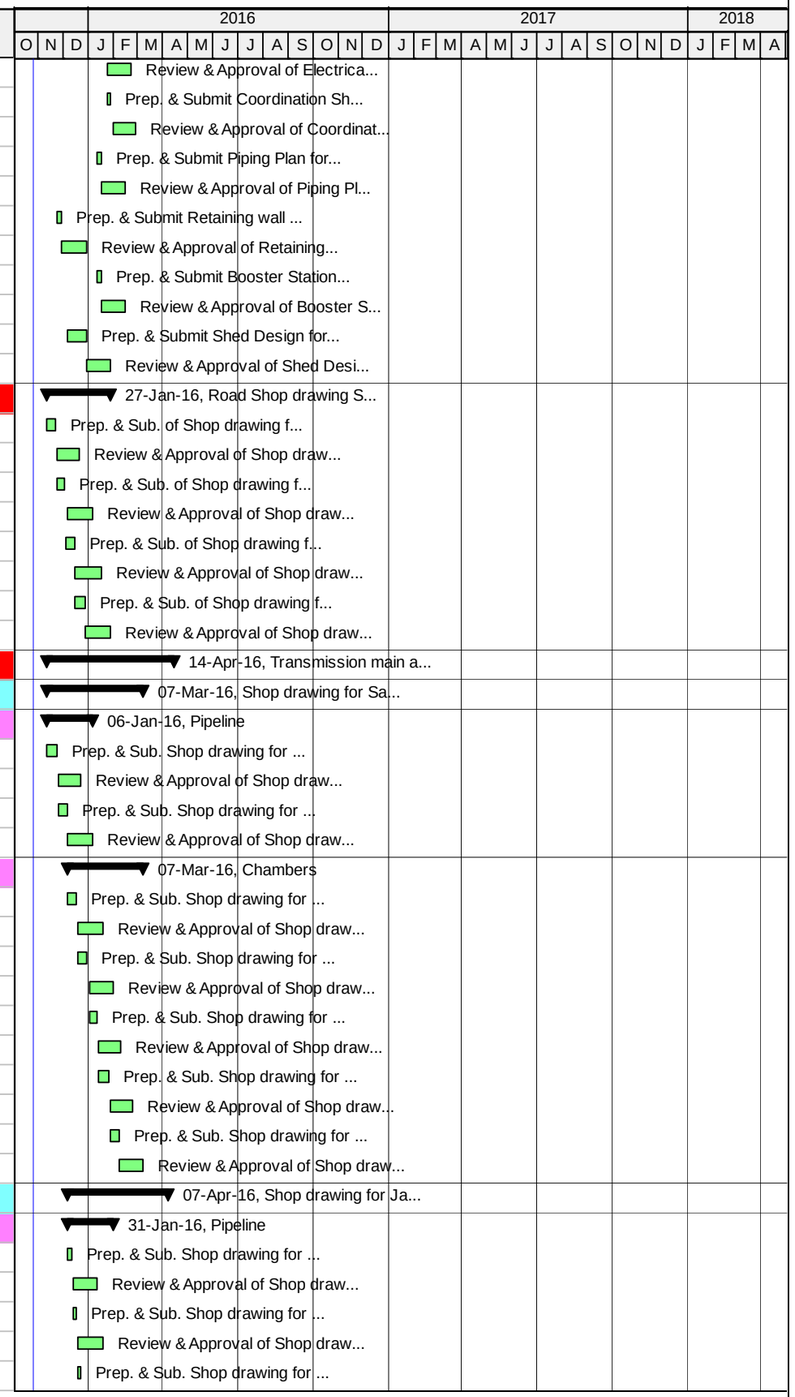
Activity ID	Activity Name	Original Duration	Start	Finish
MTB-SD-210	Review & Approval of Electrical shopdarwing for Al Mutilla Booster Station	21d	24-Jan-16	21-Feb-16
MTB-SD-220	Prep. & Submit Coordination Shop drawing for Al Mutilla Booster Station	5d	24-Jan-16	28-Jan-16
MTB-SD-230	Review & Approval of Coordination Shop drawing for Al Mutilla Booster Station	21d	31-Jan-16	28-Feb-16
MTB-SD-260	Prep. & Submit Piping Plan for Al Mutilla Booster Station	5d	11-Jan-16	16-Jan-16
MTB-SD-270	Review & Approval of Piping Plan for Al Mutilla Booster Station	21d	17-Jan-16	14-Feb-16
MTB-SD-280	Prep. & Submit Retaining wall Shopdrawing for Al Mutilla Booster Station	5d	24-Nov-15	29-Nov-15
MTB-SD-290	Review & Approval of Retaining wall Shopdrawing for Arraba Reservoir	21d	30-Nov-15	29-Dec-15
MTB-SD-300	Prep. & Submit Booster Station SCADA-PLC system for Al Mutilla Booster Station	5d	11-Jan-16	16-Jan-16
MTB-SD-310	Review & Approval of Booster Station SCADA-PLC system for Al Mutilla Booster Station	21d	17-Jan-16	14-Feb-16
MTB-SD-320	Prep. & Submit Shed Design for Al Mutilla Booster Station	20d	06-Dec-15	29-Dec-15
MTB-SD-330	Review & Approval of Shed Design for Al Mutilla Booster Station	21d	30-Dec-15	28-Jan-16
Road Shop drawing Submittals				
R-SD-1000	Prep. & Sub. of Shop drawing for Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)	8d	12-Nov-15	22-Nov-15
R-SD-1010	Review & Approval of Shop drawing for Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)	21d	23-Nov-15	21-Dec-15
R-SD-1020	Prep. & Sub. of Shop drawing for Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)	10d	23-Nov-15	03-Dec-15
R-SD-1030	Review & Approval of Shop drawing for Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)	21d	06-Dec-15	05-Jan-16
R-SD-1040	Prep. & Sub. of Shop drawing for Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)	10d	05-Dec-15	15-Dec-15
R-SD-1050	Review & Approval of Shop drawing for Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)	21d	16-Dec-15	17-Jan-16
R-SD-1060	Prep. & Sub. of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	10d	16-Dec-15	28-Dec-15
R-SD-1070	Review & Approval of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	21d	29-Dec-15	27-Jan-16
Transmission main and supply pipelines Shop drawing Submittals				
Shop drawing for Sanur - Maythaloun Transmission Pipeline (250mm x 3.7 km)				
Pipeline				
SMT-SD-1000	Prep. & Sub. Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 0+000 to St. 1+000) (250mm)	10d	12-Nov-15	24-Nov-15
SMT-SD-1010	Review & Approval of Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 0+000 to St. 1+000) (250mm)	21d	25-Nov-15	23-Dec-15
SMT-SD-1020	Prep. & Sub. Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 1+000 to St. 3+700) (250mm)	10d	25-Nov-15	06-Dec-15
SMT-SD-1030	Review & Approval of Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 1+000 to St. 3+700) (250mm)	21d	07-Dec-15	06-Jan-16
Chambers				
SMT-SD-1050	Prep. & Sub. Shop drawing for Sanur Connection Chamber (CHD-103)	10d	07-Dec-15	17-Dec-15
SMT-SD-1060	Review & Approval of Shop drawing for Sanur Connection Chamber (CHD-103)	21d	20-Dec-15	19-Jan-16
SMT-SD-1070	Prep. & Sub. Shop drawing for Flow Monitoring Chamber at Station 3+620 (M-VCFM) - Sanur Transmission	10d	19-Dec-15	30-Dec-15
SMT-SD-1080	Review & Approval of Shop drawing for Flow Monitoring Chamber at Station 3+620 (M-VCFM) - Sanur Transmission	21d	03-Jan-16	31-Jan-16
SMT-SD-1090	Prep. & Sub. Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	10d	02-Jan-16	12-Jan-16
SMT-SD-1100	Review & Approval of Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	21d	13-Jan-16	10-Feb-16
SMT-SD-1110	Prep. & Sub. Shop drawing for Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	10d	13-Jan-16	26-Jan-16
SMT-SD-1120	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	21d	27-Jan-16	24-Feb-16
SMT-SD-1130	Prep. & Sub. Shop drawing for Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	10d	27-Jan-16	07-Feb-16
SMT-SD-1140	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	21d	08-Feb-16	07-Mar-16
Shop drawing for Jalqamus - Al Mutilla Transmission Pipeline				
Pipeline				
TJT-SD-1000	Prep. & Sub. Shop drawing for Talfit to Jalqamus Force line (from St. TJT 0+000 to St. 2+330) (150mm)	5d	07-Dec-15	12-Dec-15
TJT-SD-1010	Review & Approval of Shop drawing for Talfit to Jalqamus Force line (from St. TJT 0+000 to St. 2+330) (150mm)	21d	13-Dec-15	12-Jan-16
TJT-SD-1020	Prep. & Sub. Shop drawing for Jalqamus to Um Atut Forceline (from St. TJT 0+000 to St. 1+800) (150mm)	5d	13-Dec-15	17-Dec-15
TJT-SD-1030	Review & Approval of Shop drawing for Jalqamus to Um Atut Forceline (from St. TJT 0+000 to St. 1+800) (150mm)	21d	20-Dec-15	19-Jan-16
TJT-SD-1040	Prep. & Sub. Shop drawing for Um Atut - Al Mutilla Transmission Pipeline (from St. 0+000 to St. 3+400) (150mm)	5d	19-Dec-15	23-Dec-15



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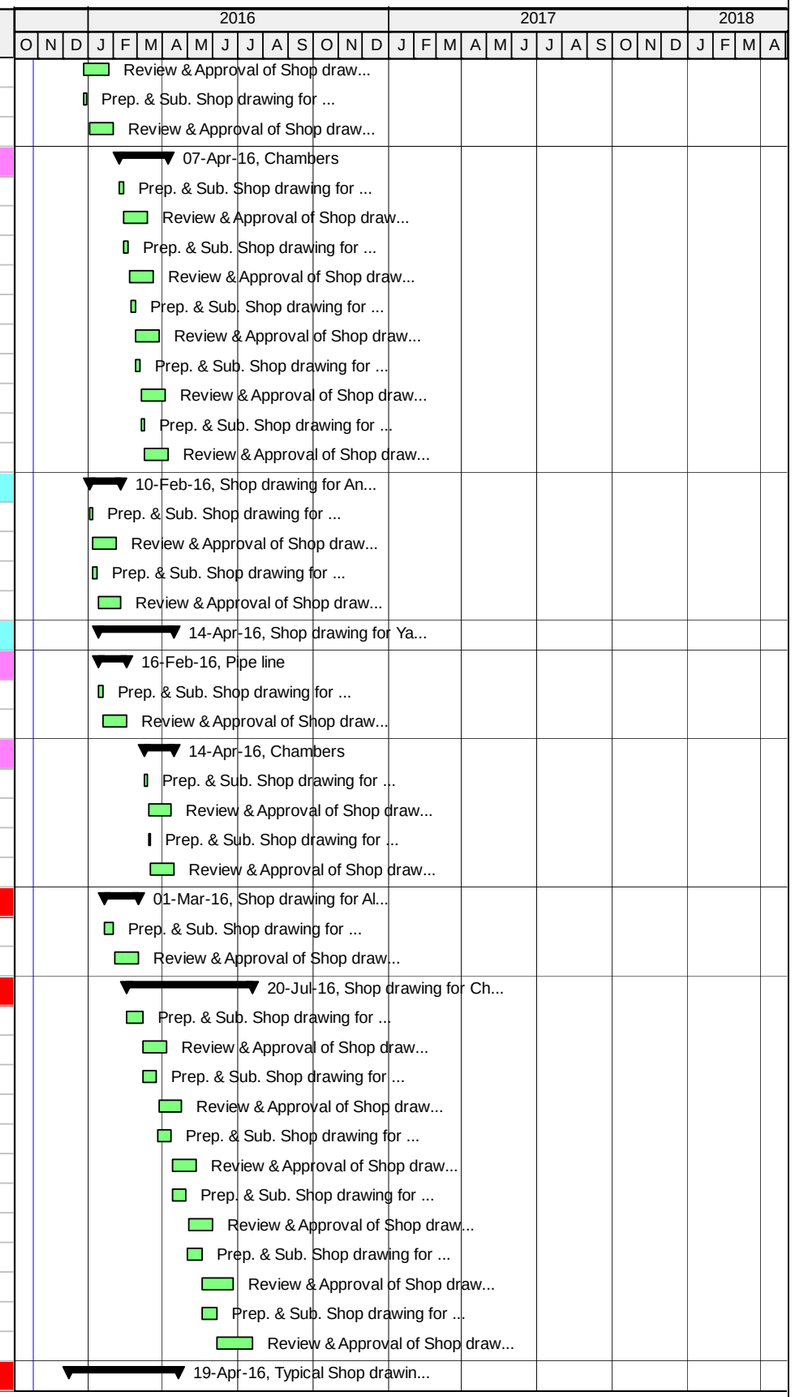
Activity ID	Activity Name	Original Duration	Start	Finish
TJT-SD-1050	Review & Approval of Shop drawing for Um Atut - Al Mutilla Transmission Pipeline (from St. 0+000 to St. 3+400) (150mm)	21d	27-Dec-15	25-Jan-16
TJT-SD-1060	Prep. & Sub. Shop drawing for Al Mutilla Transmission Pipeline (from St. 0+000 to St. 1+720) (150mm)	5d	26-Dec-15	30-Dec-15
TJT-SD-1070	Review & Approval of Shop drawing for Al Mutilla Transmission Pipeline (from St. 0+000 to St. 1+720) (150mm)	21d	03-Jan-16	31-Jan-16
Chambers				
TJT-SD-1080	Prep. & Sub. Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	5d	08-Feb-16	13-Feb-16
TJT-SD-1090	Review & Approval of Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	21d	14-Feb-16	13-Mar-16
TJT-SD-1100	Prep. & Sub. Shop drawing for Tanin Connection Chamber at station 1+030	5d	14-Feb-16	18-Feb-16
TJT-SD-1110	Review & Approval of Shop drawing for Tanin Connection Chamber at station 1+030	21d	21-Feb-16	20-Mar-16
TJT-SD-1120	Prep. & Sub. Shop drawing for Jalqamous Connection Chamber (CHD-171)	5d	22-Feb-16	27-Feb-16
TJT-SD-1130	Review & Approval of Shop drawing for Jalqamous Connection Chamber (CHD-171)	21d	28-Feb-16	27-Mar-16
TJT-SD-1140	Prep. & Sub. Shop drawing for Umatut Connection Chamber (CHD-173)	5d	28-Feb-16	03-Mar-16
TJT-SD-1150	Review & Approval of Shop drawing for Umatut Connection Chamber (CHD-173)	21d	06-Mar-16	03-Apr-16
TJT-SD-1160	Prep. & Sub. Shop drawing for Al Mughayyir Connection Chamber (CHD-191)	5d	05-Mar-16	09-Mar-16
TJT-SD-1170	Review & Approval of Shop drawing for Al Mughayyir Connection Chamber (CHD-191)	21d	10-Mar-16	07-Apr-16
Shop drawing for Anza - Ajja Transmission Pipeline				
AAT-SD-1000	Prep. & Sub. Shop drawing for Ajja Feeder Pipeline (from St. AAT 0+000 to St. 1+290) (200mm)	5d	02-Jan-16	06-Jan-16
AAT-SD-1010	Review & Approval of Shop drawing for Ajja Feeder Pipeline (from St. AAT 0+000 to St. 1+290) (200mm)	21d	07-Jan-16	04-Feb-16
AAT-SD-1020	Prep. & Sub. Shop drawing for Ajja Force Line Pipeline (from St. AAT 0+000 to St. 1+080) (200mm)	5d	07-Jan-16	12-Jan-16
AAT-SD-1030	Review & Approval of Shop drawing for Ajja Force Line Pipeline (from St. AAT 0+000 to St. 1+080) (200mm)	21d	13-Jan-16	10-Feb-16
Shop drawing for Yabad - Kuferit Transmission Pipeline				
Pipe line				
YKT-SD-1000	Prep. & Sub. Shop drawing for Yabad - Kuferit Transmission Pipeline (from St. YKT 0+000 to St. 2+300) (150mm)	5d	13-Jan-16	18-Jan-16
YKT-SD-1010	Review & Approval of Shop drawing for Yabad - Kuferit Transmission Pipeline (from St. YKT 0+000 to St. 2+300) (150mm)	21d	19-Jan-16	16-Feb-16
Chambers				
YKT-SD-1020	Prep. & Sub. Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	3d	10-Mar-16	13-Mar-16
YKT-SD-1030	Review & Approval of Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	21d	14-Mar-16	11-Apr-16
YKT-SD-1040	Prep. & Sub. Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	3d	14-Mar-16	16-Mar-16
YKT-SD-1050	Review & Approval of Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	21d	17-Mar-16	14-Apr-16
Shop drawing for Al Mutilla Distribution Network				
MTN-SD-1000	Prep. & Sub. Shop drawing for Al Mutilla Distribution Network	10d	21-Jan-16	01-Feb-16
MTN-SD-1010	Review & Approval of Shop drawing for Al Mutilla Distribution Network	21d	02-Feb-16	01-Mar-16
Shop drawing for Chamber Construction, Replacement, and Rehabilitation				
SWJ-CH-SD-1000	Prep. & Sub. Shop drawing for Monitoring Chamber (1) as per detail M-VCFM	15d	17-Feb-16	07-Mar-16
SWJ-CH-SD-1010	Review & Approval of Shop drawing for Monitoring Chamber (1) as per detail M-VCFM	21d	08-Mar-16	05-Apr-16
SWJ-CH-SD-1020	Prep. & Sub. Shop drawing for Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	15d	08-Mar-16	24-Mar-16
SWJ-CH-SD-1030	Review & Approval of Shop drawing for Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	21d	27-Mar-16	24-Apr-16
SWJ-CH-SD-1040	Prep. & Sub. Shop drawing for Raba Connection Chamber as per detail CHD-241	15d	26-Mar-16	11-Apr-16
SWJ-CH-SD-1050	Review & Approval of Shop drawing for Raba Connection Chamber as per detail CHD-241	21d	12-Apr-16	12-May-16
SWJ-CH-SD-1060	Prep. & Sub. Shop drawing for Talfit Connection Chamber as per detail CHD-242	15d	12-Apr-16	28-Apr-16
SWJ-CH-SD-1070	Review & Approval of Shop drawing for Talfit Connection Chamber as per detail CHD-242	21d	03-May-16	31-May-16
SWJ-CH-SD-1080	Prep. & Sub. Shop drawing for new Proposed Rama Connection Chamber as per detail CHD-242	15d	30-Apr-16	18-May-16
SWJ-CH-SD-1090	Review & Approval of Shop drawing for new Proposed Rama Connection Chamber as per detail CHD-242	21d	19-May-16	26-Jun-16
SWJ-CH-SD-1100	Prep. & Sub. Shop drawing for Monitoring Chamber (2) as per detail M-VCFM - Location 11	15d	19-May-16	06-Jun-16
SWJ-CH-SD-1110	Review & Approval of Shop drawing for Monitoring Chamber (2) as per detail M-VCFM - Location 11	21d	06-Jun-16	20-Jul-16
Typical Shop drawing for Chambers				



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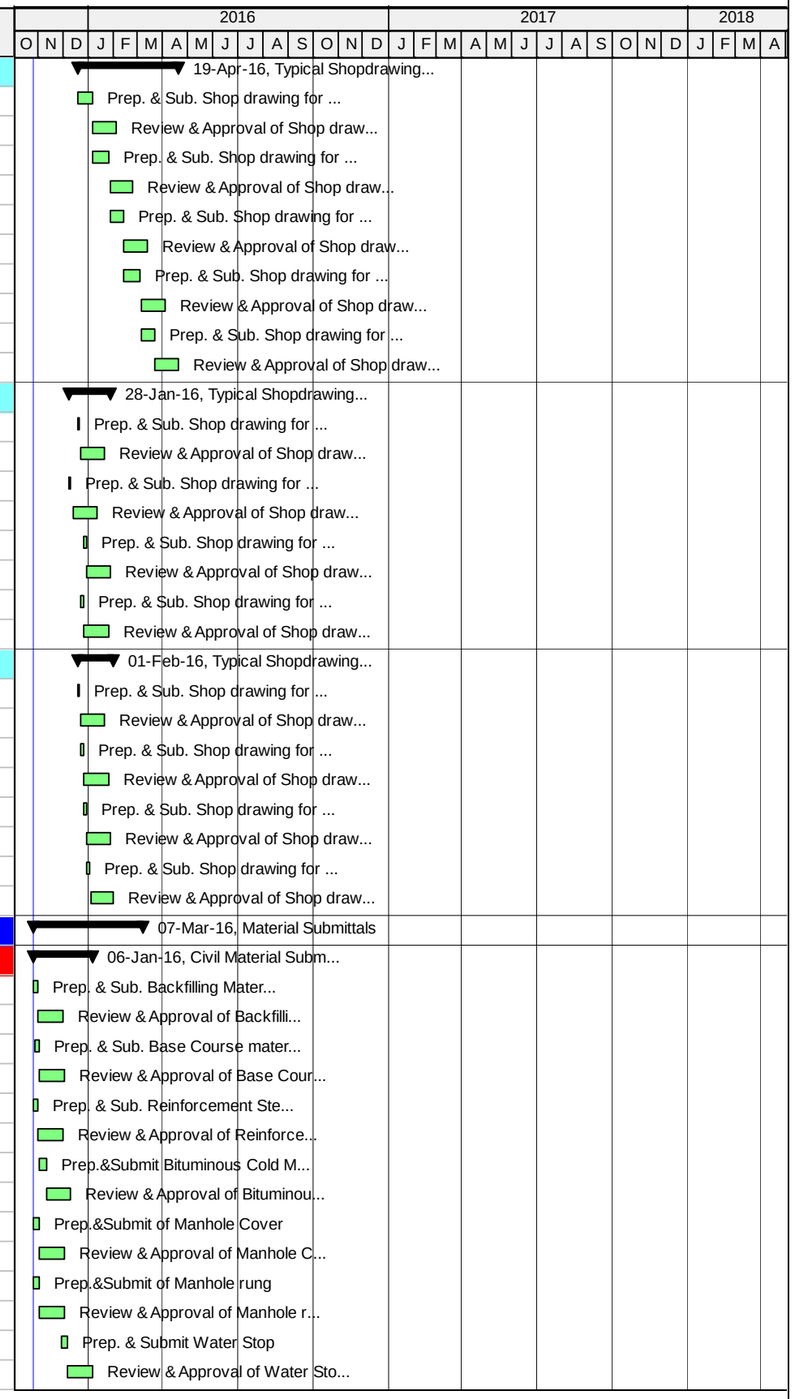
Activity ID	Activity Name	Original Duration	Start	Finish
Typical Shopdrawing for Gate Valve Chambers				
SWJ-CH-SD-1120	Prep. & Sub. Shop drawing for 50mm Gate Valve Chamber	15d	19-Dec-15	06-Jan-16
SWJ-CH-SD-1130	Review & Approval of Shop drawing for 50mm Gate Valve Chamber	21d	07-Jan-16	04-Feb-16
SWJ-CH-SD-1140	Prep. & Sub. Shop drawing for 75mm Gate Valve Chamber	15d	07-Jan-16	26-Jan-16
SWJ-CH-SD-1150	Review & Approval of Shop drawing for 75mm Gate Valve Chamber	21d	27-Jan-16	24-Feb-16
SWJ-CH-SD-1180	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	15d	27-Jan-16	13-Feb-16
SWJ-CH-SD-1190	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21d	14-Feb-16	13-Mar-16
SWJ-CH-SD-1200	Prep. & Sub. Shop drawing for 200mm Gate Valve Chamber	15d	14-Feb-16	03-Mar-16
SWJ-CH-SD-1210	Review & Approval of Shop drawing for 200mm Gate Valve Chamber	21d	06-Mar-16	03-Apr-16
SWJ-CH-SD-1220	Prep. & Sub. Shop drawing for 250mm Gate Valve Chamber	15d	05-Mar-16	21-Mar-16
SWJ-CH-SD-1230	Review & Approval of Shop drawing for 250mm Gate Valve Chamber	21d	22-Mar-16	19-Apr-16
Typical Shopdrawing for Wash out Chambers				
SWJ-CH-SD-1240	Prep. & Sub. Shop drawing for 75mm Washout Chamber on 150mm pipe	3d	19-Dec-15	21-Dec-15
SWJ-CH-SD-1250	Review & Approval of Shop drawing for 75mm Washout Chamber on 150mm pipe	21d	22-Dec-15	21-Jan-16
SWJ-CH-SD-1340	Prep. & Sub. Shop drawing for 50mm Washout Chamber on 75mm pipe	3d	08-Dec-15	10-Dec-15
SWJ-CH-SD-1350	Review & Approval of Shop drawing for 50mm Washout Chamber on 75mm pipe	21d	13-Dec-15	12-Jan-16
SWJ-CH-SD-1360	Prep. & Sub. Shop drawing for 100mm Washout Chamber on 250mm pipe	3d	27-Dec-15	29-Dec-15
SWJ-CH-SD-1370	Review & Approval of Shop drawing for 100mm Washout Chamber on 250mm pipe	21d	30-Dec-15	28-Jan-16
SWJ-CH-SD-1380	Prep. & Sub. Shop drawing for 75mm Washout Chamber on 200mm pipe	3d	22-Dec-15	26-Dec-15
SWJ-CH-SD-1390	Review & Approval of Shop drawing for 75mm Washout Chamber on 200mm pipe	21d	27-Dec-15	25-Jan-16
Typical Shopdrawing for Air Release Valve Chambers				
SWJ-CH-SD-1260	Prep. & Sub. Shop drawing for 50mm Air Release Valve Chamber on 75mm Pipe	3d	19-Dec-15	21-Dec-15
SWJ-CH-SD-1270	Review & Approval of Shop drawing for 50mm Air Release Valve Chamber on 75mm Pipe	21d	22-Dec-15	21-Jan-16
SWJ-CH-SD-1280	Prep. & Sub. Shop drawing for 75mm Air Release Valve Chamber on 150mm Pipe	3d	22-Dec-15	26-Dec-15
SWJ-CH-SD-1290	Review & Approval of Shop drawing for 75mm Air Release Valve Chamber on 150mm Pipe	21d	27-Dec-15	25-Jan-16
SWJ-CH-SD-1300	Prep. & Sub. Shop drawing for 75mm Air Release Valve Chamber on 200mm Pipe	3d	27-Dec-15	29-Dec-15
SWJ-CH-SD-1310	Review & Approval of Shop drawing for 75mm Air Release Valve Chamber on 200mm Pipe	21d	30-Dec-15	28-Jan-16
SWJ-CH-SD-1320	Prep. & Sub. Shop drawing for 100mm Air Release Valve Chamber on 250mm Pipe	3d	30-Dec-15	03-Jan-16
SWJ-CH-SD-1330	Review & Approval of Shop drawing for 100mm Air Release Valve Chamber on 250mm Pipe	21d	04-Jan-16	01-Feb-16
Material Submittals				
Civil Material Submittals				
SWJ-CMS-0990	Prep. & Sub. Backfilling Material Source	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1000	Review & Approval of Backfilling Material Source	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1010	Prep. & Sub. Base Course material Source	5d	28-Oct-15	02-Nov-15
SWJ-CMS-1020	Review & Approval of Base Course material Source	21d	03-Nov-15	02-Dec-15
SWJ-CMS-1030	Prep. & Sub. Reinforcement Steel Manufactures Data Sheets	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1040	Review & Approval of Reinforcement Steel Manufactures Data Sheets	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1050	Prep.&Submit Bituminous Cold Material	7d	03-Nov-15	10-Nov-15
SWJ-CMS-1060	Review & Approval of Bituminous Cold Material	21d	11-Nov-15	10-Dec-15
SWJ-CMS-1070	Prep.&Submit of Manhole Cover	7d	26-Oct-15	02-Nov-15
SWJ-CMS-1080	Review & Approval of Manhole Cover	21d	03-Nov-15	02-Dec-15
SWJ-CMS-1090	Prep.&Submit of Manhole rung	7d	26-Oct-15	02-Nov-15
SWJ-CMS-1100	Review & Approval of Manhole rung	21d	03-Nov-15	02-Dec-15
SWJ-CMS-1120	Prep. & Submit Water Stop	7d	29-Nov-15	06-Dec-15
SWJ-CMS-1140	Review & Approval of Water Stop	21d	07-Dec-15	06-Jan-16



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Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-CMS-1150	Prep. & Sub. Concrete Mix Design	28d	26-Oct-15	28-Nov-15
SWJ-CMS-1160	Review & Approval of Concrete Mix Design	21d	29-Nov-15	28-Dec-15
SWJ-CMS-1170	Prep. & Sub. Bedding Material Source	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1180	Review & Approval of Bedding Material Source	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1200	Prep. & Sub. Identification Tape	5d	01-Nov-15	05-Nov-15
SWJ-CMS-1210	Review & Approval of Identification Tape	21d	08-Nov-15	07-Dec-15
SWJ-CMS-1240	Prep. & Sub. Material Testing lab	5d	01-Nov-15	05-Nov-15
SWJ-CMS-1250	Review & Approval of Material Testing lab	21d	08-Nov-15	07-Dec-15
SWJ-CMS-1260	Prep. & Sub. Water Quality Testing lab	5d	07-Nov-15	11-Nov-15
SWJ-CMS-1270	Review & Approval of Water Quality Testing lab	21d	12-Nov-15	13-Dec-15
SWJ-CMS-1280	Prep. & Sub. Welding Testing lab - Radiographic Third Party Testing Lab	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1290	Review & Approval of Welding Testing lab - Radiographic Third Party Testing Lab	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1300	Prep. & Sub. Proposed Welders for Welders Qualification Test – CVs	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1310	Review & Approval of Proposed Welders for Welders Qualification Test – CVs	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1320	Prep. & Sub. Non-Shrink Cementations Grout for Tie Rods (Conbextra HF)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1330	Review & Approval of Non-Shrink Cementations Grout for Tie Rods (Conbextra HF)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1340	Prep. & Sub. External Top Coating (Dekguard FC)& External Primer Coating (Nitocote SN522)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1350	Review & Approval of External Top Coating (Dekguard FC)& External Primer Coating (Nitocote SN522)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1360	Prep. & Sub. Internal Epoxy Coating (Nitocote EP405)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1370	Review & Approval of Internal Epoxy Coating (Nitocote EP405)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1380	Prep. & Sub. Cementation Repair Mortar (Renderoc FC)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1390	Review & Approval of Cementation Repair Mortar (Renderoc FC)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1400	Prep. & Sub. Concrete Ready Mix Company	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1410	Review & Approval of Concrete Ready Mix Company	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1420	Prep. & Sub. Asphalt Materials Source	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1430	Review & Approval of Asphalt Materials Source	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1440	Prep. & Sub. Prime Coat & Tack Coat	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1450	Review & Approval of Prime Coat & Tack Coat	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1460	Prep. & Sub. Formwork Ties (Sample)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1470	Review & Approval of Formwork Ties (Sample)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1480	Prep. & Sub. Formwork Release Agent	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1490	Review & Approval of Formwork Release Agent	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1500	Prep. & Sub. Formwork Plywood (Sample)	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1510	Review & Approval of Formwork Plywood (Sample)	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1540	Prep. & Sub. Asphalt Mix Design	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1550	Review & Approval of Asphalt Mix Design	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1560	Prep. & Sub. Steel Fence & Post	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1570	Review & Approval of Steel Fence & Post	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1580	Prep. & Sub. Access Man way Fabrication Detail	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1590	Review & Approval of Access Man way Fabrication Detail	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1600	Prep. & Sub. Handrail	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1610	Review & Approval of Handrail	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1620	Prep. & Sub. Access Hatches	5d	26-Oct-15	31-Oct-15
SWJ-CMS-1630	Review & Approval of Access Hatches	21d	01-Nov-15	30-Nov-15
SWJ-CMS-1640	Prep. & Sub. Curbstone	5d	26-Oct-15	31-Oct-15

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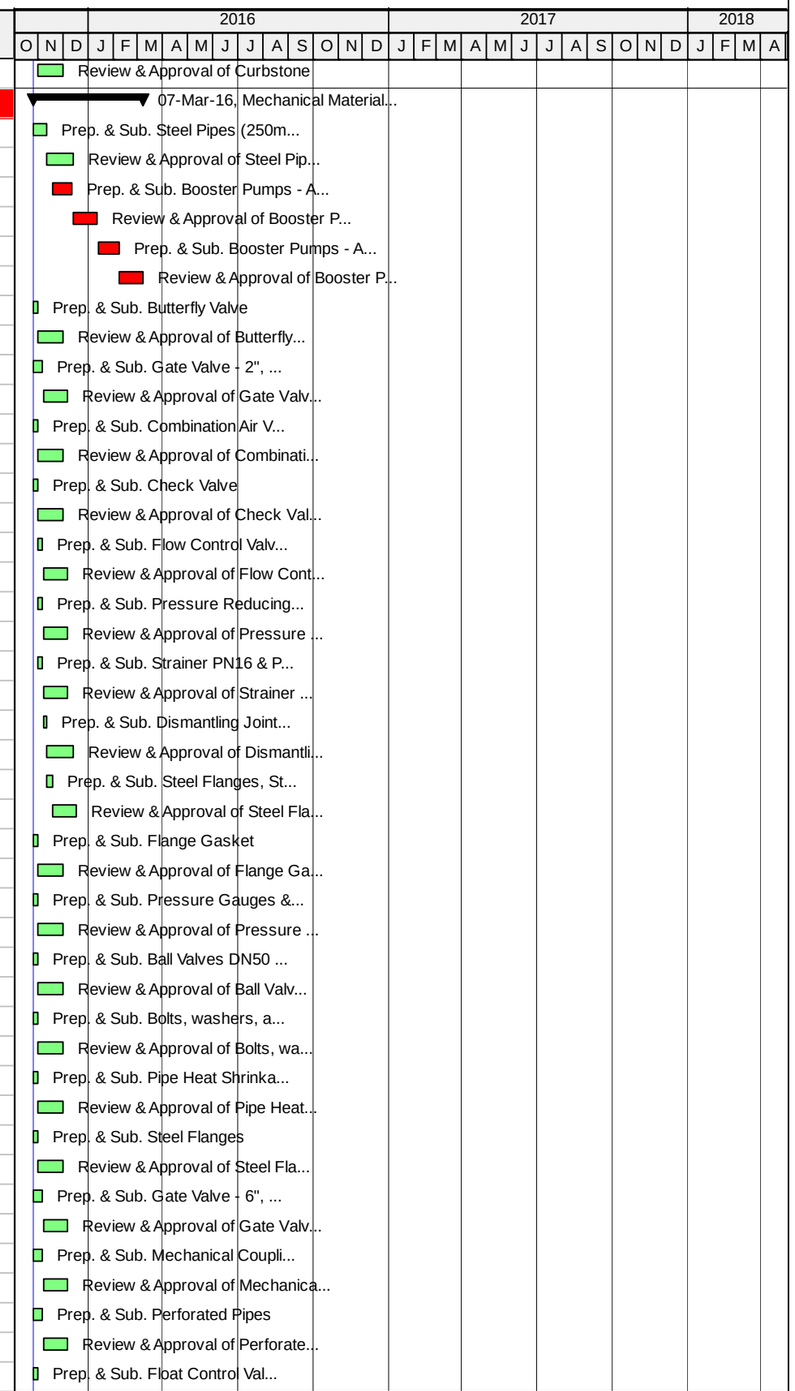
Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-CMS-1650	Review & Approval of Curbstone	21d	01-Nov-15	30-Nov-15
Mechanical Material Submittals				
SWJ-MMS-1000	Prep. & Sub. Steel Pipes (250mm, 200mm, 150mm,100mm, 75mm, 50mm etc.)	15d	26-Oct-15	11-Nov-15
SWJ-MMS-1010	Review & Approval of Steel Pipes (250mm, 200mm, 150mm,100mm, 75mm, 50mm etc.)	21d	12-Nov-15	13-Dec-15
SWJ-MMS-1020	Prep. & Sub. Booster Pumps - AL MUTILLA BOOSTER	20d	19-Nov-15	12-Dec-15
SWJ-MMS-1030	Review & Approval of Booster Pumps - AL MUTILLA BOOSTER	21d	13-Dec-15	12-Jan-16
SWJ-MMS-1035	Prep. & Sub. Booster Pumps - AL MUTILLA BOOSTER - Second Submission	20d	13-Jan-16	07-Feb-16
SWJ-MMS-1036	Review & Approval of Booster Pumps - AL MUTILLA BOOSTER - Second Submission	21d	08-Feb-16	07-Mar-16
SWJ-MMS-1040	Prep. & Sub. Butterfly Valve	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1050	Review & Approval of Butterfly Valve	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1060	Prep. & Sub. Gate Valve - 2", 3" & 4"	10d	26-Oct-15	05-Nov-15
SWJ-MMS-1070	Review & Approval of Gate Valve - 2", 3" & 4"	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1080	Prep. & Sub. Combination Air Valve	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1090	Review & Approval of Combination Air Valve	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1100	Prep. & Sub. Check Valve	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1110	Review & Approval of Check Valve	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1120	Prep. & Sub. Flow Control Valve	5d	01-Nov-15	05-Nov-15
SWJ-MMS-1130	Review & Approval of Flow Control Valve	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1140	Prep. & Sub. Pressure Reducing Valve	5d	01-Nov-15	05-Nov-15
SWJ-MMS-1150	Review & Approval of Pressure Reducing Valve	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1160	Prep. & Sub. Strainer PN16 & PN25	5d	01-Nov-15	05-Nov-15
SWJ-MMS-1170	Review & Approval of Strainer PN16 & PN25	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1180	Prep. & Sub. Dismantling Joint PN16 & 25	5d	07-Nov-15	11-Nov-15
SWJ-MMS-1190	Review & Approval of Dismantling Joint PN16 & 25	21d	12-Nov-15	13-Dec-15
SWJ-MMS-1200	Prep. & Sub. Steel Flanges, Steel Fittings (elbows, reducers, tees, etc.)	5d	12-Nov-15	18-Nov-15
SWJ-MMS-1210	Review & Approval of Steel Flanges, Steel Fittings (elbows, reducers, tees, etc.)	21d	19-Nov-15	17-Dec-15
SWJ-MMS-1220	Prep. & Sub. Flange Gasket	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1230	Review & Approval of Flange Gasket	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1240	Prep. & Sub. Pressure Gauges & Snubbers	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1250	Review & Approval of Pressure Gauges & Snubbers	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1260	Prep. & Sub. Ball Valves DN50 & Smaller	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1270	Review & Approval of Ball Valves DN50 & Smaller	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1280	Prep. & Sub. Bolts, washers, and nuts	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1290	Review & Approval of Bolts, washers, and nuts	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1300	Prep. & Sub. Pipe Heat Shrinkable Sleeve & Tape	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1310	Review & Approval of Pipe Heat Shrinkable Sleeve & Tape	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1320	Prep. & Sub. Steel Flanges	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1330	Review & Approval of Steel Flanges	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1340	Prep. & Sub. Gate Valve - 6", 8" & 10"- PN16-40	10d	26-Oct-15	05-Nov-15
SWJ-MMS-1350	Review & Approval of Gate Valve - 6", 8" & 10"- PN16-40	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1360	Prep. & Sub. Mechanical Coupling	10d	26-Oct-15	05-Nov-15
SWJ-MMS-1370	Review & Approval of Mechanical Coupling	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1380	Prep. & Sub. Perforated Pipes	10d	26-Oct-15	05-Nov-15
SWJ-MMS-1390	Review & Approval of Perforated Pipes	21d	08-Nov-15	07-Dec-15
SWJ-MMS-1400	Prep. & Sub. Float Control Valve	5d	26-Oct-15	31-Oct-15



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TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

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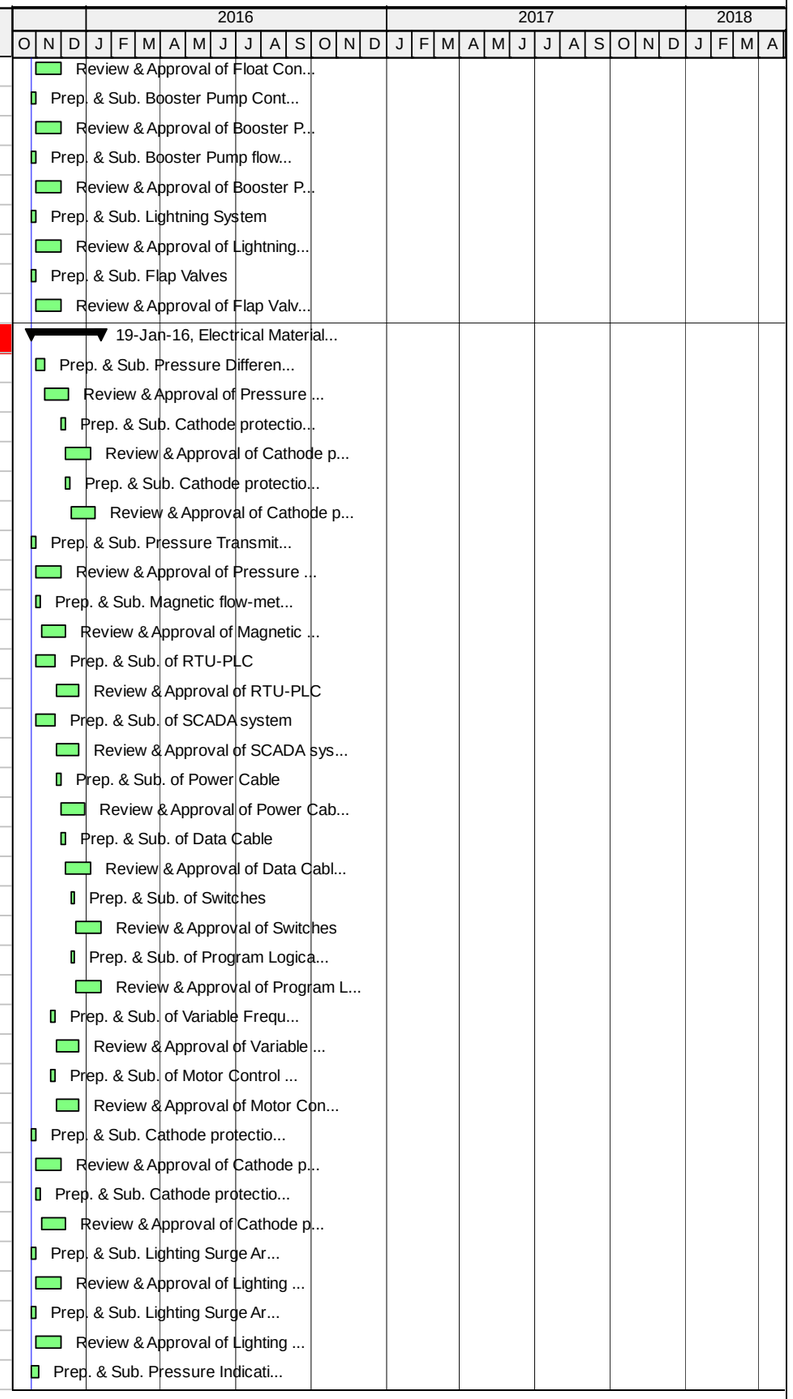
Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-MMS-1410	Review & Approval of Float Control Valve	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1420	Prep. & Sub. Booster Pump Control Valves	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1430	Review & Approval of Booster Pump Control Valves	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1440	Prep. & Sub. Booster Pump flow meter	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1450	Review & Approval of Booster Pump flow meter	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1520	Prep. & Sub. Lightning System	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1530	Review & Approval of Lightning System	21d	01-Nov-15	30-Nov-15
SWJ-MMS-1600	Prep. & Sub. Flap Valves	5d	26-Oct-15	31-Oct-15
SWJ-MMS-1610	Review & Approval of Flap Valves	21d	01-Nov-15	30-Nov-15
Electrical Material Submittals				
SWJ-EMS-100	Prep. & Sub. Pressure Differential switches	9d	01-Nov-15	10-Nov-15
SWJ-EMS-110	Review & Approval of Pressure differential switches	21d	11-Nov-15	10-Dec-15
SWJ-EMS-140	Prep. & Sub. Cathode protection:High Potential Magnesium Anodes	5d	01-Dec-15	06-Dec-15
SWJ-EMS-150	Review & Approval of Cathode protection: High Potential Magnesium Anodes	21d	07-Dec-15	06-Jan-16
SWJ-EMS-160	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit	5d	07-Dec-15	12-Dec-15
SWJ-EMS-170	Review & Approval of Cathode protection: Accessories, flanges insulating kit	21d	13-Dec-15	12-Jan-16
SWJ-EMS-180	Prep. & Sub. Pressure Transmitters	5d	26-Oct-15	31-Oct-15
SWJ-EMS-190	Review & Approval of Pressure Transmitters	21d	01-Nov-15	30-Nov-15
SWJ-EMS-200	Prep. & Sub. Magnetic flow-meters	5d	01-Nov-15	05-Nov-15
SWJ-EMS-210	Review & Approval of Magnetic flow-meters	21d	08-Nov-15	07-Dec-15
SWJ-EMS-220	Prep. & Sub. of RTU-PLC	20d	01-Nov-15	24-Nov-15
SWJ-EMS-230	Review & Approval of RTU-PLC	21d	25-Nov-15	23-Dec-15
SWJ-EMS-240	Prep. & Sub. of SCADA system	20d	01-Nov-15	24-Nov-15
SWJ-EMS-250	Review & Approval of SCADA system	21d	25-Nov-15	23-Dec-15
SWJ-EMS-260	Prep. & Sub. of Power Cable	5d	25-Nov-15	30-Nov-15
SWJ-EMS-270	Review & Approval of Power Cable	21d	01-Dec-15	30-Dec-15
SWJ-EMS-280	Prep. & Sub. of Data Cable	5d	01-Dec-15	06-Dec-15
SWJ-EMS-290	Review & Approval of Data Cable	21d	07-Dec-15	06-Jan-16
SWJ-EMS-320	Prep. & Sub. of Switches	5d	13-Dec-15	17-Dec-15
SWJ-EMS-330	Review & Approval of Switches	21d	20-Dec-15	19-Jan-16
SWJ-EMS-340	Prep. & Sub. of Program Logical Controller (PLC) Panel For Booster Station.	5d	13-Dec-15	17-Dec-15
SWJ-EMS-350	Review & Approval of Program Logical Controller (PLC) Panel For Booster Station.	21d	20-Dec-15	19-Jan-16
SWJ-EMS-360	Prep. & Sub. of Variable Frequency Drives (VFD)	5d	19-Nov-15	24-Nov-15
SWJ-EMS-370	Review & Approval of Variable Frequency Drives (VFD)	21d	25-Nov-15	23-Dec-15
SWJ-EMS-420	Prep. & Sub. of Motor Control Centers (MCC)	5d	19-Nov-15	24-Nov-15
SWJ-EMS-430	Review & Approval of Motor Control Centers (MCC)	21d	25-Nov-15	23-Dec-15
SWJ-EMS-440	Prep. & Sub. Cathode protection: Test Stations	5d	26-Oct-15	31-Oct-15
SWJ-EMS-450	Review & Approval of Cathode protection: Test Stations	21d	01-Nov-15	30-Nov-15
SWJ-EMS-460	Prep. & Sub. Cathode protection: Accessories: Link Seal	5d	01-Nov-15	05-Nov-15
SWJ-EMS-470	Review & Approval of Cathode protection: Accessories: Link Seal	21d	08-Nov-15	07-Dec-15
SWJ-EMS-480	Prep. & Sub. Lighting Surge Arrestor	5d	26-Oct-15	31-Oct-15
SWJ-EMS-490	Review & Approval of Lighting Surge Arrestor	21d	01-Nov-15	30-Nov-15
SWJ-EMS-500	Prep. & Sub. Lighting Surge Arrestor Cabinet	5d	26-Oct-15	31-Oct-15
SWJ-EMS-510	Review & Approval of Lighting Surge Arrestor Cabinet	21d	01-Nov-15	30-Nov-15
SWJ-EMS-520	Prep. & Sub. Pressure Indicating Transmitter	9d	26-Oct-15	04-Nov-15



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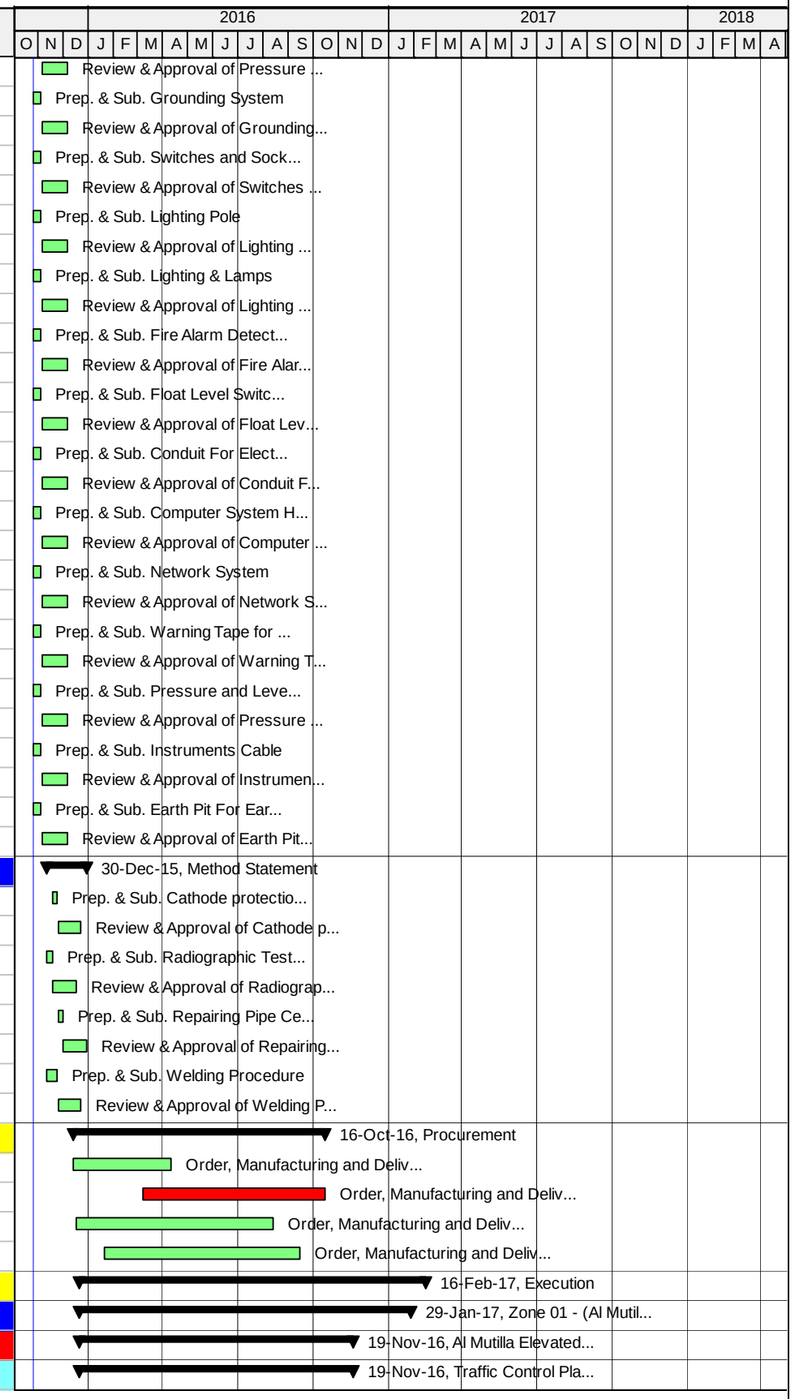
Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-EMS-530	Review & Approval of Pressure Indicating Transmitter	21d	05-Nov-15	06-Dec-15
SWJ-EMS-540	Prep. & Sub. Grounding System	9d	26-Oct-15	04-Nov-15
SWJ-EMS-550	Review & Approval of Grounding System	21d	05-Nov-15	06-Dec-15
SWJ-EMS-560	Prep. & Sub. Switches and Sockets	9d	26-Oct-15	04-Nov-15
SWJ-EMS-570	Review & Approval of Switches and Sockets	21d	05-Nov-15	06-Dec-15
SWJ-EMS-580	Prep. & Sub. Lighting Pole	9d	26-Oct-15	04-Nov-15
SWJ-EMS-590	Review & Approval of Lighting Pole	21d	05-Nov-15	06-Dec-15
SWJ-EMS-600	Prep. & Sub. Lighting & Lamps	9d	26-Oct-15	04-Nov-15
SWJ-EMS-610	Review & Approval of Lighting & Lamps	21d	05-Nov-15	06-Dec-15
SWJ-EMS-620	Prep. & Sub. Fire Alarm Detection	9d	26-Oct-15	04-Nov-15
SWJ-EMS-630	Review & Approval of Fire Alarm Detection	21d	05-Nov-15	06-Dec-15
SWJ-EMS-640	Prep. & Sub. Float Level Switch	9d	26-Oct-15	04-Nov-15
SWJ-EMS-650	Review & Approval of Float Level Switch	21d	05-Nov-15	06-Dec-15
SWJ-EMS-660	Prep. & Sub. Conduit For Electrical Work	9d	26-Oct-15	04-Nov-15
SWJ-EMS-670	Review & Approval of Conduit For Electrical Work	21d	05-Nov-15	06-Dec-15
SWJ-EMS-680	Prep. & Sub. Computer System Hardware	9d	26-Oct-15	04-Nov-15
SWJ-EMS-690	Review & Approval of Computer System Hardware	21d	05-Nov-15	06-Dec-15
SWJ-EMS-700	Prep. & Sub. Network System	9d	26-Oct-15	04-Nov-15
SWJ-EMS-710	Review & Approval of Network System	21d	05-Nov-15	06-Dec-15
SWJ-EMS-720	Prep. & Sub. Warning Tape for Electrical Work	9d	26-Oct-15	04-Nov-15
SWJ-EMS-730	Review & Approval of Warning Tape for Electrical Work	21d	05-Nov-15	06-Dec-15
SWJ-EMS-740	Prep. & Sub. Pressure and Level Instrument	9d	26-Oct-15	04-Nov-15
SWJ-EMS-750	Review & Approval of Pressure and Level Instrument	21d	05-Nov-15	06-Dec-15
SWJ-EMS-760	Prep. & Sub. Instruments Cable	9d	26-Oct-15	04-Nov-15
SWJ-EMS-770	Review & Approval of Instruments Cable	21d	05-Nov-15	06-Dec-15
SWJ-EMS-780	Prep. & Sub. Earth Pit For Earthing Electrode - With Sample.	9d	26-Oct-15	04-Nov-15
SWJ-EMS-790	Review & Approval of Earth Pit For Earthing Electrode - With Sample.	21d	05-Nov-15	06-Dec-15
Method Statement				
SWJ-MSS-1000	Prep. & Sub. Cathode protection Installation Method Statement	5d	19-Nov-15	24-Nov-15
SWJ-MSS-1010	Review & Approval of Cathode protection Installation Method Statement	21d	25-Nov-15	23-Dec-15
SWJ-MSS-1020	Prep. & Sub. Radiographic Testing method statement and safety plan	5d	12-Nov-15	18-Nov-15
SWJ-MSS-1030	Review & Approval of Radiographic Testing method statement and safety plan	21d	19-Nov-15	17-Dec-15
SWJ-MSS-1040	Prep. & Sub. Repairing Pipe Cement Mortar Lining method Statement	5d	25-Nov-15	30-Nov-15
SWJ-MSS-1050	Review & Approval of Repairing Pipe Cement Mortar Lining method Statement	21d	01-Dec-15	30-Dec-15
SWJ-MSS-1060	Prep. & Sub. Welding Procedure	10d	12-Nov-15	24-Nov-15
SWJ-MSS-1070	Review & Approval of Welding Procedure	21d	25-Nov-15	23-Dec-15
Procurement				
A1440	Order, Manufacturing and Delivery of Steel Pipes (250mm, 200mm, 150mm, etc.)	120d	14-Dec-15	11-Apr-16
A1450	Order, Manufacturing and Delivery of Booster Pump	223d	08-Mar-16	16-Oct-16
A1460	Order, Manufacturing and Delivery of Mechanical Valves and fittings	240d	18-Dec-15	13-Aug-16
A1470	Order, Manufacturing and Delivery of Electrical components and SCADA System	240d	20-Jan-16	15-Sep-16
Execution				
Zone 01 - (Al Mutilla and Jalqamus)				
Al Mutilla Elevated Reservoir – New Construction 500 m3				
Traffic Control Plan and Safety				



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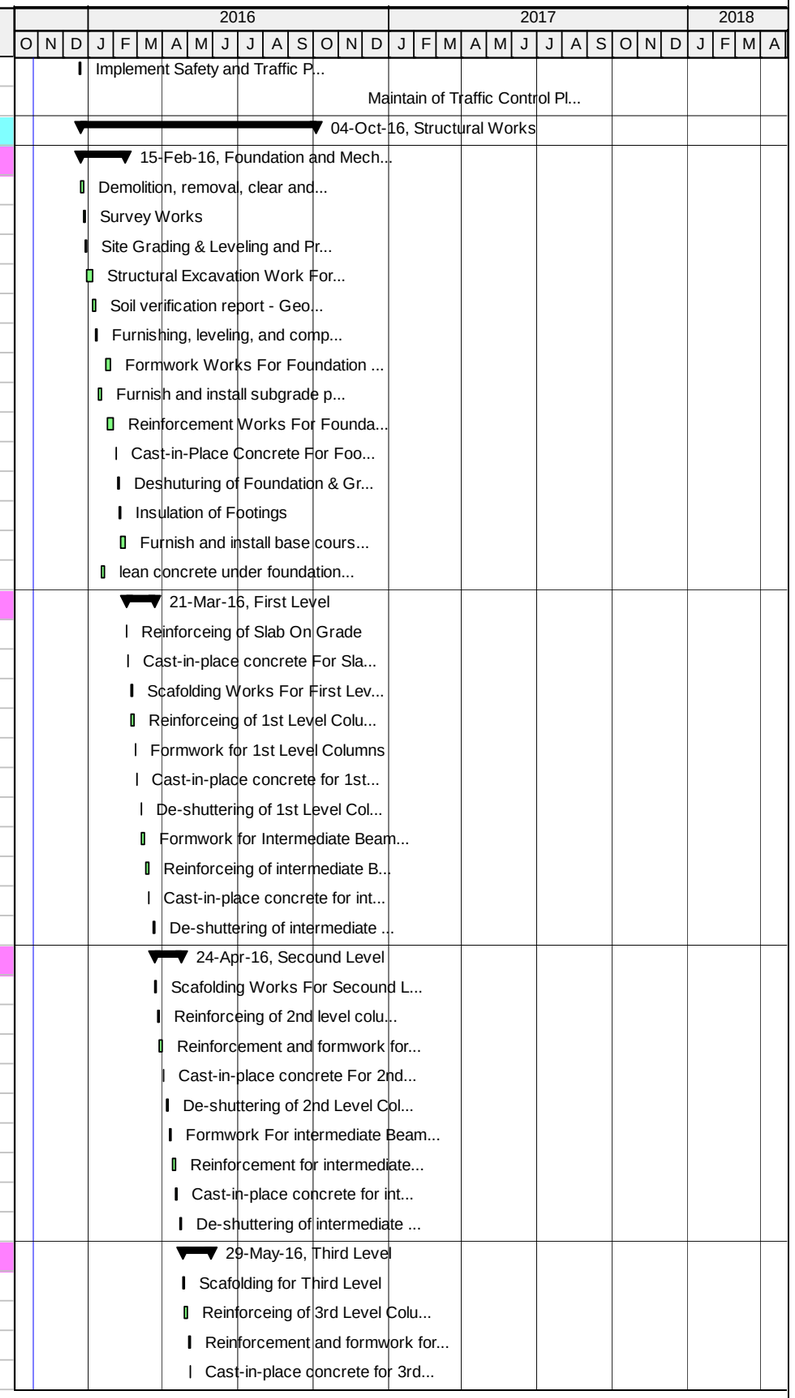
Activity ID	Activity Name	Original Duration	Start	Finish
E-MTR-1030	Implement Safety and Traffic Plan	2d	21-Dec-15	22-Dec-15
E-MTR-1050	Maintain of Traffic Control Plan and Safety measures for Faqqua Elevated Reservoir	259d	23-Dec-15	19-Nov-16
Structural Works				
Foundation and Mechanical Room				
E-MTR-1040	Demolition, removal, clear and grub site	2d	23-Dec-15	26-Dec-15
E-MTR-1060	Survey Works	1d	27-Dec-15	27-Dec-15
E-MTR-1070	Site Grading & Leveling and Preparation	2d	28-Dec-15	29-Dec-15
E-MTR-1080	Structural Excavation Work For Foundations & Grade Beams	5d	30-Dec-15	05-Jan-16
E-MTR-1085	Soil verification report - Geotechnical report	3d	06-Jan-16	09-Jan-16
E-MTR-1090	Furnishing, leveling, and compacting of subgrade layer under footing	3d	10-Jan-16	12-Jan-16
E-MTR-1100	Formwork Works For Foundation & Grade Beams	5d	23-Jan-16	27-Jan-16
E-MTR-1110	Furnish and install subgrade piping	3d	13-Jan-16	16-Jan-16
E-MTR-1120	Reinforcement Works For Foundation & Ground Beams	6d	25-Jan-16	31-Jan-16
E-MTR-1130	Cast-in-Place Concrete For Footings	1d	04-Feb-16	04-Feb-16
E-MTR-1150	Deshuturing of Foundation & Grade Beams	2d	06-Feb-16	07-Feb-16
E-MTR-1160	Insulation of Footings	2d	08-Feb-16	09-Feb-16
E-MTR-1170	Furnish and install base course (200mm in depth) under Slab On Grade	5d	10-Feb-16	15-Feb-16
E-MTR-1970	lean concrete under foundation for reservoir	3d	17-Jan-16	21-Jan-16
First Level				
E-MTR-1180	Reinforceing of Slab On Grade	2d	16-Feb-16	17-Feb-16
E-MTR-1190	Cast-in-place concrete For Slab On Grade	1d	18-Feb-16	18-Feb-16
E-MTR-1200	Scafolding Works For First Level	3d	22-Feb-16	24-Feb-16
E-MTR-1210	Reinforceing of 1st Level Columns	4d	22-Feb-16	25-Feb-16
E-MTR-1250	Formwork for 1st Level Columns	2d	27-Feb-16	28-Feb-16
E-MTR-1270	Cast-in-place concrete for 1st Level Columns	1d	29-Feb-16	29-Feb-16
E-MTR-1290	De-shuttering of 1st Level Columns	1d	05-Mar-16	05-Mar-16
E-MTR-1310	Formwork for Intermediate Beams & Stairs 1st Level	5d	06-Mar-16	10-Mar-16
E-MTR-1330	Reinforceing of intermediate Beams & Stairs 1st Level	3d	12-Mar-16	14-Mar-16
E-MTR-1360	Cast-in-place concrete for intermediate Beams & Stairs 1st Level	1d	15-Mar-16	15-Mar-16
E-MTR-1400	De-shuttering of intermediate Beams & Stairs 1st Level	2d	20-Mar-16	21-Mar-16
Secound Level				
E-MTR-1410	Scafolding Works For Secound Level	3d	22-Mar-16	24-Mar-16
E-MTR-1420	Reinforceing of 2nd level columns	2d	26-Mar-16	27-Mar-16
E-MTR-1430	Reinforcement and formwork for 2nd Level Columns and Valve Room walls	4d	28-Mar-16	31-Mar-16
E-MTR-1440	Cast-in-place concrete For 2nd Level Columns and Valve Room walls	1d	02-Apr-16	02-Apr-16
E-MTR-1460	De-shuttering of 2nd Level Columns	2d	06-Apr-16	07-Apr-16
E-MTR-1470	Formwork For intermediate Beams & Stairs 2nd Level and Valve room slab	3d	09-Apr-16	11-Apr-16
E-MTR-1490	Reinforcement for intermediate Beams & Stairs 2nd Level and Valve room slab	4d	12-Apr-16	16-Apr-16
E-MTR-1500	Cast-in-place concrete for intermediate beams Beams & Stairs 2nd Level and Valve room slab	1d	17-Apr-16	17-Apr-16
E-MTR-1510	De-shuttering of intermediate Beams & Stairs 2nd Level	3d	21-Apr-16	24-Apr-16
Third Level				
E-MTR-1520	Scafolding for Third Level	3d	25-Apr-16	27-Apr-16
E-MTR-1530	Reinforceing of 3rd Level Columns	2d	28-Apr-16	30-Apr-16
E-MTR-1540	Reinforcement and formwork for 3rd Level Columns	2d	03-May-16	04-May-16
E-MTR-1550	Cast-in-place concrete for 3rd Level Columns	1d	05-May-16	05-May-16



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TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

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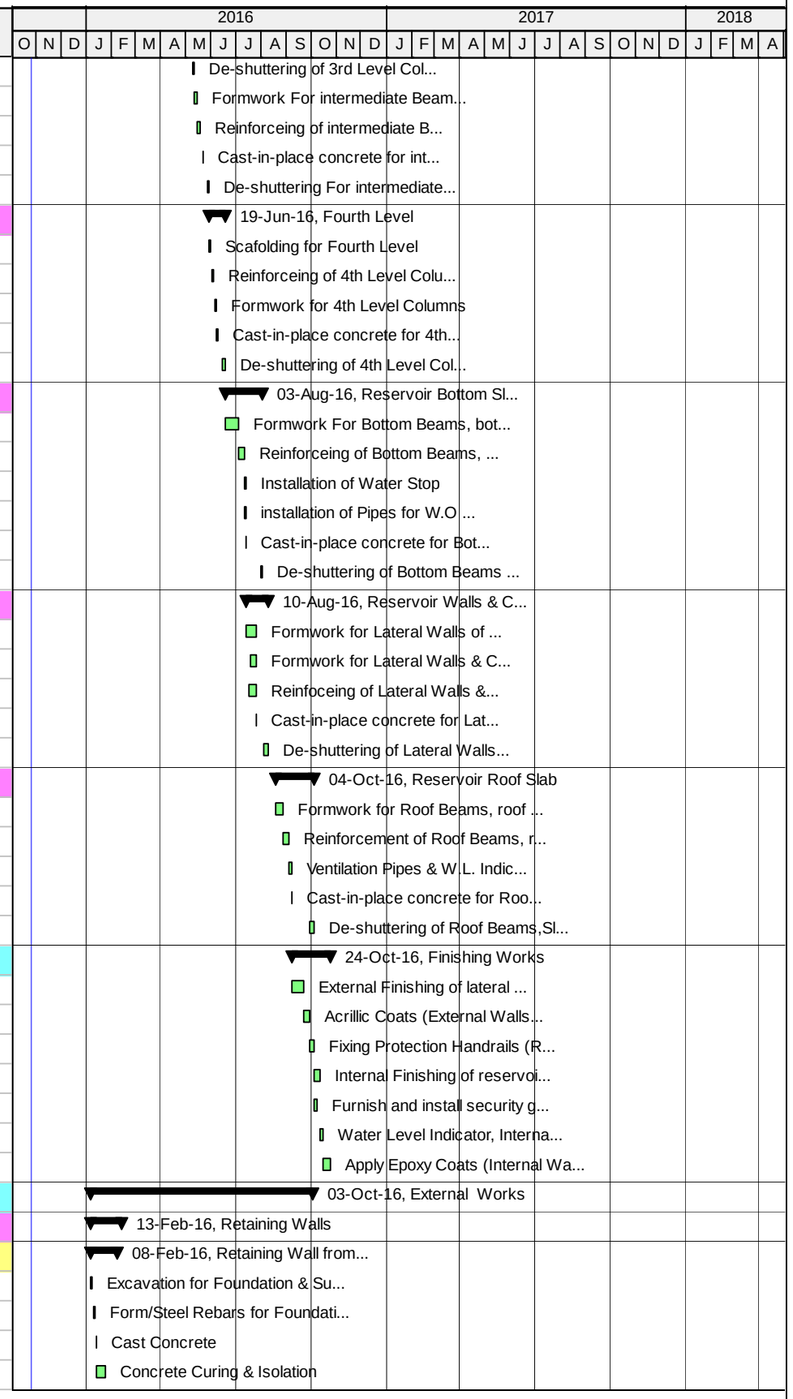
Activity ID	Activity Name	Original Duration	Start	Finish
E-MTR-1560	De-shuttering of 3rd Level Columns	2d	10-May-16	11-May-16
E-MTR-1570	Formwork For intermediate Beams & Stairs 3rd Level	3d	12-May-16	15-May-16
E-MTR-1580	Reinforceing of intermediate Beams & Stairs 3rd Level	3d	16-May-16	18-May-16
E-MTR-1590	Cast-in-place concrete for intermediate Beams & Stairs 3rd Level	1d	23-May-16	23-May-16
E-MTR-1600	De-shuttering For intermediate Beams & Stairs 3rd Level	2d	28-May-16	29-May-16
Fourth Level				
E-MTR-1610	Scafolding for Fourth Level	3d	30-May-16	01-Jun-16
E-MTR-1620	Reinforceing of 4th Level Columns	2d	02-Jun-16	04-Jun-16
E-MTR-1630	Formwork for 4th Level Columns	2d	05-Jun-16	08-Jun-16
E-MTR-1640	Cast-in-place concrete for 4th Level Columns	1d	08-Jun-16	09-Jun-16
E-MTR-1650	De-shuttering of 4th Level Columns	2d	15-Jun-16	19-Jun-16
Reservoir Bottom Slab				
E-MTR-1660	Formwork For Bottom Beams, bottom Slab &Stairs of Reservoir	8d	19-Jun-16	04-Jul-16
E-MTR-1670	Reinforceing of Bottom Beams, bottom Slab &Stairs of R.voir	4d	04-Jul-16	12-Jul-16
E-MTR-1680	Installation of Water Stop	1d	12-Jul-16	13-Jul-16
E-MTR-1690	installation of Pipes for W.O & Over Flow , inlet, outlet	1d	12-Jul-16	13-Jul-16
E-MTR-1700	Cast-in-place concrete for Bottom Beams, Bottom Slab & Stairs of R.voir	1d	13-Jul-16	14-Jul-16
E-MTR-1770	De-shuttering of Bottom Beams & Slab&Stair of R.oir	3d	31-Jul-16	03-Aug-16
Reservoir Walls & Columns				
E-MTR-1720	Formwork for Lateral Walls of reservoir - Exterior	11d	14-Jul-16	27-Jul-16
E-MTR-1730	Formwork for Lateral Walls & Central Column - Interior	5d	20-Jul-16	26-Jul-16
E-MTR-1740	Reinfoceing of Lateral Walls & Central Column	8d	17-Jul-16	26-Jul-16
E-MTR-1750	Cast-in-place concrete for Lateral Walls & Central Column	1d	26-Jul-16	27-Jul-16
E-MTR-1780	De-shuttering of Lateral Walls & Central Columns	5d	04-Aug-16	10-Aug-16
Reservoir Roof Slab				
E-MTR-1800	Formwork for Roof Beams, roof Slab & Stairs	8d	18-Aug-16	28-Aug-16
E-MTR-1810	Reinforcement of Roof Beams, roof Slab & Stair	6d	28-Aug-16	04-Sep-16
E-MTR-1820	Ventilation Pipes & W.L. Indicators	3d	04-Sep-16	07-Sep-16
E-MTR-1830	Cast-in-place concrete for Roof Beams,Slab & Stair	1d	07-Sep-16	08-Sep-16
E-MTR-1860	De-shuttering of Roof Beams,Slab & Stair	4d	29-Sep-16	04-Oct-16
Finishing Works				
E-MTR-1840	External Finishing of lateral walls of reservoir and Filling of Pin Holles	8d	08-Sep-16	22-Sep-16
E-MTR-1850	Acrillic Coats (External Walls) & Base	6d	22-Sep-16	29-Sep-16
E-MTR-1870	Fixing Protection Handrails (Roof,Stairs,R.voi)	4d	29-Sep-16	04-Oct-16
E-MTR-1890	Internal Finishing of reservoir	7d	04-Oct-16	12-Oct-16
E-MTR-1900	Furnish and install security gate and fence at reservoir base	3d	04-Oct-16	08-Oct-16
E-MTR-1910	Water Level Indicator, Internal ladder and Hatch cover	2d	12-Oct-16	15-Oct-16
E-MTR-1920	Apply Epoxy Coats (Internal Walls) & Base	8d	15-Oct-16	24-Oct-16
External Works				
Retaining Walls				
Retaining Wall from Station 01 to station 03 (South)				
E-MTR-5000	Excavation for Foundation & Subgrade layer Compaction	2d	06-Jan-16	07-Jan-16
E-MTR-5010	Form/Steel Rebars for Foundation	4d	09-Jan-16	12-Jan-16
E-MTR-5040	Cast Concrete	1d	13-Jan-16	13-Jan-16
E-MTR-5060	Concrete Curing & Isolation	7d	14-Jan-16	24-Jan-16



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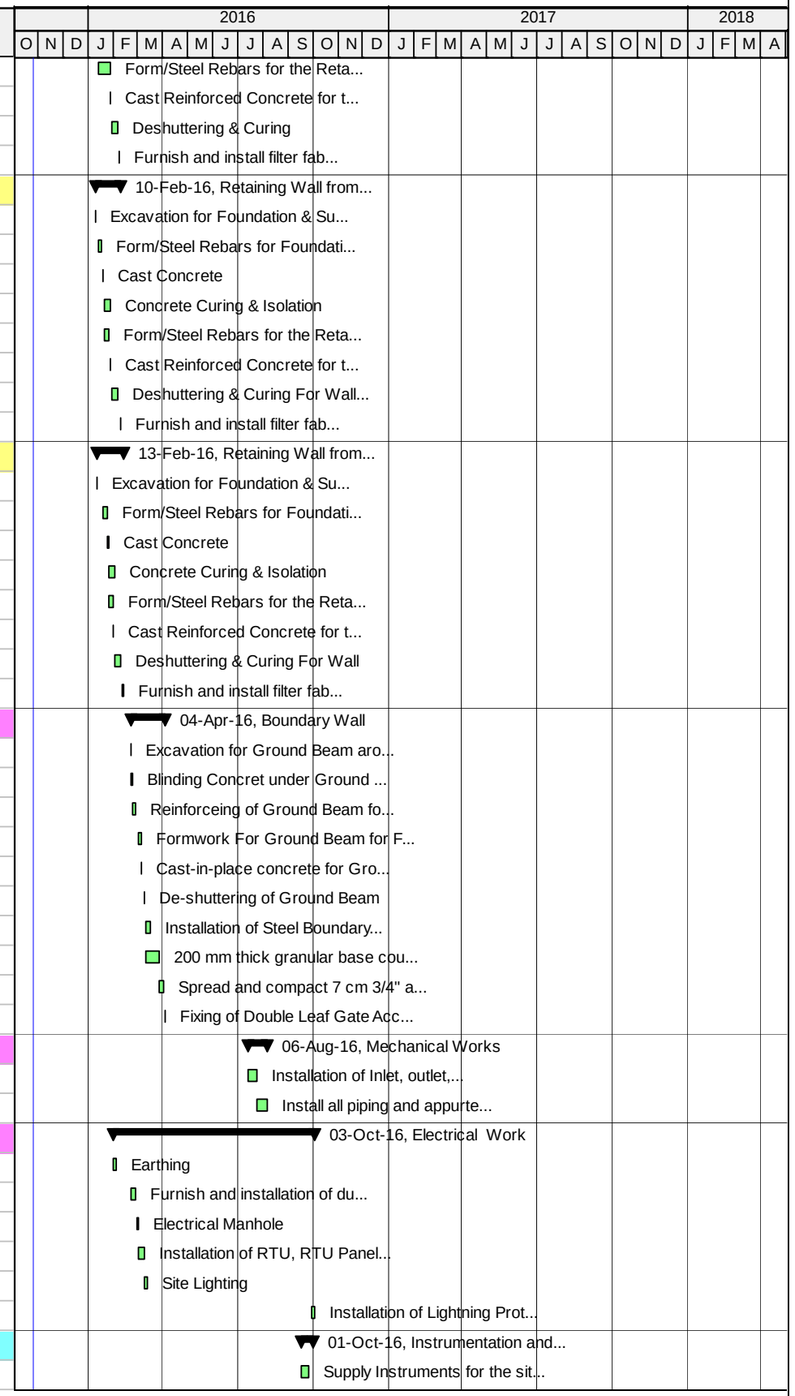
Activity ID	Activity Name	Original Duration	Start	Finish
E-MTR-5070	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	10d	14-Jan-16	27-Jan-16
E-MTR-5160	Cast Reinforced Concrete for the Retaining Wall	1d	28-Jan-16	28-Jan-16
E-MTR-5180	Deshuttering & Curing	7d	30-Jan-16	06-Feb-16
E-MTR-5210	Furnish and install filter fabric and Base Course 150mm	2d	07-Feb-16	08-Feb-16
Retaining Wall from Station 03 to station 05 (North)				
E-MTR-5020	Excavation for Foundation & Subgrade layer Compaction	2d	09-Jan-16	10-Jan-16
E-MTR-5050	Form/Steel Rebars for Foundation	4d	13-Jan-16	17-Jan-16
E-MTR-5080	Cast Concrete	1d	18-Jan-16	18-Jan-16
E-MTR-5100	Concrete Curing & Isolation	7d	21-Jan-16	28-Jan-16
E-MTR-5110	Form/Steel Rebars for the Retaining Walls with Drain System - Fence Steel Props Installation	5d	21-Jan-16	26-Jan-16
E-MTR-5150	Cast Reinforced Concrete for the Retaining Wall	1d	27-Jan-16	27-Jan-16
E-MTR-5170	Deshuttering & Curing For Walls	7d	30-Jan-16	06-Feb-16
E-MTR-5220	Furnish and install filter fabric and Base Course 150mm	2d	09-Feb-16	10-Feb-16
Retaining Wall from Station 06 to station 01 (West)				
E-MTR-5030	Excavation for Foundation & Subgrade layer Compaction	2d	11-Jan-16	12-Jan-16
E-MTR-5090	Form/Steel Rebars for Foundation	4d	18-Jan-16	24-Jan-16
E-MTR-5120	Cast Concrete	1d	25-Jan-16	25-Jan-16
E-MTR-5130	Concrete Curing & Isolation	7d	26-Jan-16	02-Feb-16
E-MTR-5140	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	26-Jan-16	31-Jan-16
E-MTR-5190	Cast Reinforced Concrete for the Retaining Wall	1d	01-Feb-16	01-Feb-16
E-MTR-5200	Deshuttering & Curing For Wall	7d	03-Feb-16	10-Feb-16
E-MTR-5230	Furnish and install filter fabric and Base Course 150mm	2d	11-Feb-16	13-Feb-16
Boundary Wall				
E-MTR-1220	Excavation for Ground Beam around Yard for Fence	1d	22-Feb-16	22-Feb-16
E-MTR-1230	Blinding Concret under Ground Beam for Fence	1d	23-Feb-16	23-Feb-16
E-MTR-1260	Reinforceing of Ground Beam for Fence	3d	24-Feb-16	27-Feb-16
E-MTR-1320	Formwork For Ground Beam for Fence	3d	02-Mar-16	05-Mar-16
E-MTR-1340	Cast-in-place concrete for Ground Beam for Fence	1d	06-Mar-16	06-Mar-16
E-MTR-1370	De-shuttering of Ground Beam	1d	10-Mar-16	10-Mar-16
E-MTR-1380	Installation of Steel Boundary Fence	5d	12-Mar-16	16-Mar-16
E-MTR-1390	200 mm thick granular base course and Concrete Sidewalk as per Detail C-416	14d	12-Mar-16	27-Mar-16
E-MTR-1450	Spread and compact 7 cm 3/4" asphalt concrete (7cm after compaction) with MCO prime coat for Yard	5d	28-Mar-16	02-Apr-16
E-MTR-1480	Fixing of Double Leaf Gate Access gate as per detail C-117	2d	03-Apr-16	04-Apr-16
Mechanical Works				
E-MTR-1710	Installation of Inlet, outlet, washout and overflow Pipes in the Yard including Riprap as per Detail C-332	10d	13-Jul-16	25-Jul-16
E-MTR-1760	Install all piping and appurtenances including control valve, backflow valve, check valve, misc	10d	25-Jul-16	06-Aug-16
Electrical Work				
E-MTR-1140	Earthing	3d	01-Feb-16	03-Feb-16
E-MTR-1240	Furnish and installation of duct banks, Cables & Electrical Utility power supply	5d	23-Feb-16	28-Feb-16
E-MTR-1280	Electrical Manhole	2d	29-Feb-16	01-Mar-16
E-MTR-1300	Installation of RTU, RTU Panel and breaker Panel, electrical conduit and wire complete for RTU	7d	02-Mar-16	09-Mar-16
E-MTR-1350	Site Lighting	2d	10-Mar-16	12-Mar-16
E-MTR-1880	Installation of Lightning Protection and Grounding System	3d	29-Sep-16	03-Oct-16
Instrumentation and SCADA Programming				
E-MTR-1000	Supply Instruments for the site and its facilities and Structures per section 13500A, P&ID	8d	17-Sep-16	25-Sep-16



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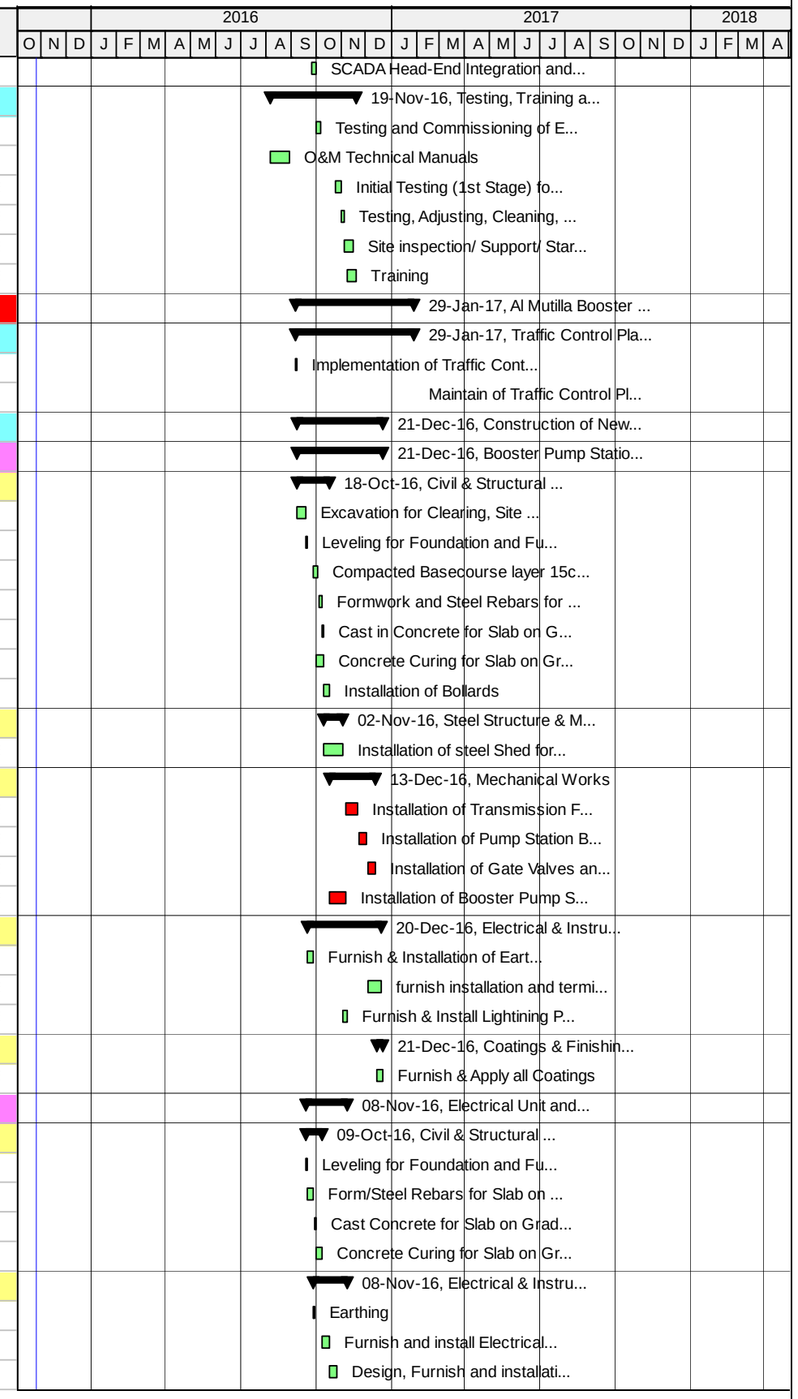
Activity ID	Activity Name	Original Duration	Start	Finish
E-MTR-1010	SCADA Head-End Integration and Programming	5d	26-Sep-16	01-Oct-16
Testing, Training and Commissioning				
E-MTR-1020	Testing and Commissioning of Electrical and Control System and Equipment	5d	02-Oct-16	06-Oct-16
E-MTR-1790	O&M Technical Manuals	20d	06-Aug-16	29-Aug-16
E-MTR-1930	Initial Testing (1st Stage) for Water Tightness	7d	24-Oct-16	01-Nov-16
E-MTR-1940	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	3d	01-Nov-16	05-Nov-16
E-MTR-1950	Site inspection/ Support/ Start up	9d	05-Nov-16	16-Nov-16
E-MTR-1960	Training	7d	09-Nov-16	19-Nov-16
Al Mutilla Booster Station				
Traffic Control Plan and Safety Measures				
MTB-005	Implementation of Traffic Control Plan and Safety Measure	3d	05-Sep-16	08-Sep-16
MTB-006	Maintain of Traffic Control Plan and Safety measures for Al Mutilla Booster Station	110d	08-Sep-16	29-Jan-17
Construction of New Pump Station				
Booster Pump Station and Transmission Flow Meter				
Civil & Structural Works				
MTB-010	Excavation for Clearing, Site Grading & Preparation	4d	08-Sep-16	18-Sep-16
MTB-BP-040	Leveling for Foundation and Furnishing, leveling, and compacting of subgrade layer	3d	18-Sep-16	21-Sep-16
MTB-BP-050	Compacted Basecourse layer 15cm for Booster Pump Slab and Transmission Flow Meter Pad	5d	27-Sep-16	03-Oct-16
MTB-BP-060	Formwork and Steel Rebars for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	4d	04-Oct-16	09-Oct-16
MTB-BP-070	Cast in Concrete for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	1d	09-Oct-16	10-Oct-16
MTB-BP-080	Concrete Curing for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	7d	02-Oct-16	10-Oct-16
MTB-BP-130	Installation of Bollards	7d	10-Oct-16	18-Oct-16
Steel Structure & Metal Works				
MTB-BP-000115	Installation of steel Shed for Booster Pump	20d	10-Oct-16	02-Nov-16
Mechanical Works				
MTB-BP-M-00005	Installation of Transmission Flow Meter Pad includuing 50mm and 150 mm pipes, reducers and supports	12d	07-Nov-16	21-Nov-16
MTB-BP-M-00010	Installation of Pump Station Bypass Piping includuing 150 mm pipes, reducers and supports	9d	22-Nov-16	01-Dec-16
MTB-BP-M-00012	Installation of Gate Valves and Swing Check Valve 150mm and Transmission Flow Meter Pad	10d	03-Dec-16	13-Dec-16
MTB-BP-M-12	Installation of Booster Pump Skid including Pump inlet Header and Pump discharge header	18d	17-Oct-16	06-Nov-16
Electrical & Instrumentation Works				
MTB-BP-E-00010	Furnish & Installation of Earthing, Ductbanks & Raceway	5d	21-Sep-16	27-Sep-16
MTB-BP-E-00020	furnish installation and termination of transmission pump power and controls wire	14d	03-Dec-16	20-Dec-16
MTB-BP-E-00050	Furnish & Install Lightining Protection, Recepticles & Process Control Instrumentation	5d	02-Nov-16	08-Nov-16
Coatings & Finishing Works				
MTB-BP-000130	Furnish & Apply all Coatings	5d	14-Dec-16	21-Dec-16
Electrical Unit and Transfromer				
Civil & Structural Works				
MTB-ET-1090	Leveling for Foundation and Furnishing, leveling, and compacting of subgrade layer and BC 150mm	3d	18-Sep-16	21-Sep-16
MTB-ET-1100	Form/Steel Rebars for Slab on Grade of Electrical unit and Transformer Pad	6d	21-Sep-16	28-Sep-16
MTB-ET-1110	Cast Concrete for Slab on Grade of Electrical unit and Transformer Pad	1d	29-Sep-16	01-Oct-16
MTB-ET-1120	Concrete Curing for Slab on Grade of Electrical unit and Transformer Pad	7d	01-Oct-16	09-Oct-16
Electrical & Instrumentation Works				
MTB-ET-1000	Earthing	1d	28-Sep-16	29-Sep-16
MTB-ET-1010	Furnish and install Electrical Systems and Equipment including panels, wires, conduits, cables, etc.	8d	09-Oct-16	18-Oct-16
MTB-ET-1040	Design, Furnish and installation of Lightning Protection and Grounding System	8d	18-Oct-16	27-Oct-16



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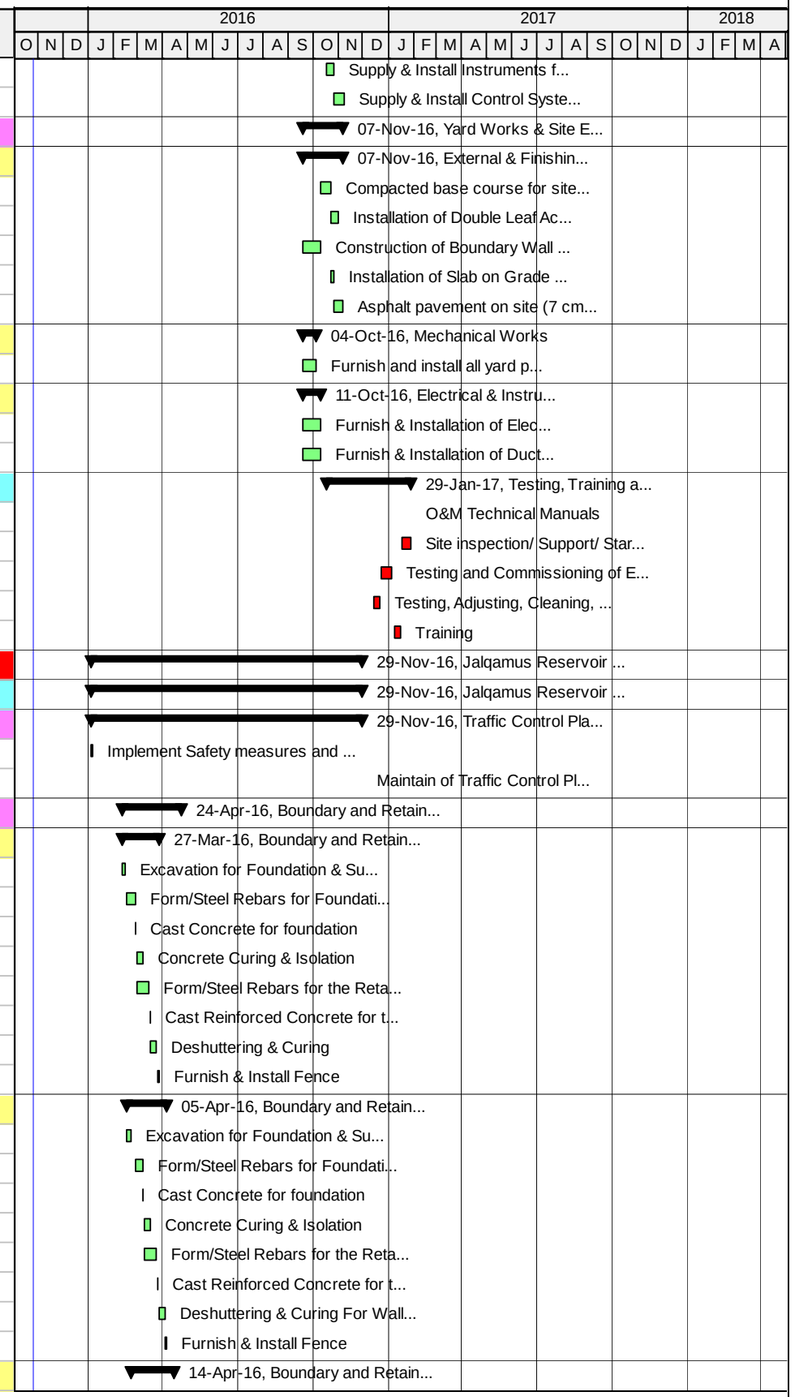
Activity ID	Activity Name	Original Duration	Start	Finish
MTB-ET-1050	Supply & Install Instruments for the site and its facilities and Structures per section 13500A	8d	18-Oct-16	27-Oct-16
MTB-ET-1060	Supply & Install Control System and SCADA Software including Protective Device and Coordination Studies	10d	27-Oct-16	08-Nov-16
Yard Works & Site Electrical Power				
External & Finishing Works				
MTB-YW-070	Compacted base course for site grading, 200 mm layer	9d	11-Oct-16	22-Oct-16
MTB-YW-090	Installation of Double Leaf Access Gate	8d	22-Oct-16	31-Oct-16
MTB-YW-100	Construction of Boundary Wall and Fence	20d	18-Sep-16	11-Oct-16
MTB-YW-110	Installation of Slab on Grade and Decomposed Granite	5d	22-Oct-16	27-Oct-16
MTB-YW-120	Asphalt pavement on site (7 cm), ¾" asphalt mix design including MC	9d	27-Oct-16	07-Nov-16
Mechanical Works				
MTB-YW-M-010	Furnish and install all yard piping and mechanical equipment	14d	18-Sep-16	04-Oct-16
Electrical & Instrumentation Works				
MTB-YW-E-010	Furnish & Installation of Electrical Manholes and Electrical Utility power supply	20d	18-Sep-16	11-Oct-16
MTB-YW-E-020	Furnish & Installation of Ductbanks	20d	18-Sep-16	11-Oct-16
Testing, Training and Commissioning				
MTB-1000	O&M Technical Manuals	82d	17-Oct-16	29-Jan-17
MTB-1020	Site inspection/ Support/ Start up	11d	17-Jan-17	29-Jan-17
MTB-1030	Testing and Commissioning of Electrical and Control System and Equipment	10d	24-Dec-16	05-Jan-17
MTB-1040	Testing, Adjusting, Cleaning, Disinfection, and Commissioning of the entire system	6d	14-Dec-16	22-Dec-16
MTB-1050	Training	6d	08-Jan-17	16-Jan-17
Jalqamus Reservoir and Access Road				
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1000m3 - at Grade				
Traffic Control Plan and Safety				
E-JLR-3030	Implement Safety measures and Traffic Control Plan for Jalqamus Reservoir	2d	04-Jan-16	05-Jan-16
E-JLR-3040	Maintain of Traffic Control Plan and Safety measures for Jalqamus Reservoir	258d	06-Jan-16	29-Nov-16
Boundary and Retaining Walls				
Boundary and Retaining Wall from Station 01 to station 04 Length = 35 lm				
E-JLR-1055	Excavation for Foundation & Subgrade layer Compaction	4d	11-Feb-16	15-Feb-16
E-JLR-1060	Form/Steel Rebars for Foundation	8d	16-Feb-16	27-Feb-16
E-JLR-1090	Cast Concrete for foundation	1d	28-Feb-16	28-Feb-16
E-JLR-1120	Concrete Curing & Isolation	7d	29-Feb-16	07-Mar-16
E-JLR-1130	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	29-Feb-16	15-Mar-16
E-JLR-1190	Cast Reinforced Concrete for the Retaining Wall	1d	16-Mar-16	16-Mar-16
E-JLR-1200	Deshuttering & Curing	7d	17-Mar-16	24-Mar-16
E-JLR-1250	Furnish & Install Fence	2d	26-Mar-16	27-Mar-16
Boundary and Retaining Wall from Station 04 to station 03 Length = 36 lm				
E-JLR-1070	Excavation for Foundation & Subgrade layer Compaction	4d	16-Feb-16	22-Feb-16
E-JLR-1100	Form/Steel Rebars for Foundation	8d	28-Feb-16	07-Mar-16
E-JLR-1140	Cast Concrete for foundation	1d	08-Mar-16	08-Mar-16
E-JLR-1160	Concrete Curing & Isolation	7d	09-Mar-16	16-Mar-16
E-JLR-1170	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	09-Mar-16	24-Mar-16
E-JLR-1260	Cast Reinforced Concrete for the Retaining Wall	1d	26-Mar-16	26-Mar-16
E-JLR-1270	Deshuttering & Curing For Walls	7d	27-Mar-16	03-Apr-16
E-JLR-1320	Furnish & Install Fence	2d	04-Apr-16	05-Apr-16
Boundary and Retaining Wall from Station 02 to station 03 Length = 30 lm				



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Activity ID	Activity Name	Original Duration	Start	Finish
E-JLR-1080	Excavation for Foundation & Subgrade layer Compaction	4d	23-Feb-16	27-Feb-16
E-JLR-1150	Form/Steel Rebars for Foundation	8d	08-Mar-16	16-Mar-16
E-JLR-1210	Cast Concrete for foundation	1d	17-Mar-16	17-Mar-16
E-JLR-1230	Concrete Curing & Isolation	7d	19-Mar-16	26-Mar-16
E-JLR-1240	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	19-Mar-16	03-Apr-16
E-JLR-1330	Cast Reinforced Concrete for the Retaining Wall	1d	04-Apr-16	04-Apr-16
E-JLR-1340	Deshuttering & Curing For Wall	7d	05-Apr-16	12-Apr-16
E-JLR-1380	Furnish & Install Fence	2d	13-Apr-16	14-Apr-16
Boundary and Retaining Wall from Station 01 to station 02 Length = 8 lm				
E-JLR-1110	Excavation for Foundation & Subgrade layer Compaction	4d	28-Feb-16	02-Mar-16
E-JLR-1220	Form/Steel Rebars for Foundation	8d	17-Mar-16	26-Mar-16
E-JLR-1280	Cast Concrete for foundation	1d	27-Mar-16	27-Mar-16
E-JLR-1290	Concrete Curing & Isolation	7d	28-Mar-16	04-Apr-16
E-JLR-1300	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	28-Mar-16	12-Apr-16
E-JLR-1390	Cast Reinforced Concrete for the Retaining Wall	1d	13-Apr-16	13-Apr-16
E-JLR-1400	Deshuttering & Curing For Walls	7d	14-Apr-16	21-Apr-16
E-JLR-1450	Furnish & Install Fence	2d	23-Apr-16	24-Apr-16
Earth Work				
E-JLR-1175	Demolition of existing Facilities, Site Cleaning & Grubbing	10d	28-Jan-16	08-Feb-16
E-JLR-1180	Site Grading and Preparation	3d	09-Feb-16	11-Feb-16
E-JLR-1310	Structural Excavation for the base slab of the Reservoir & Inlet Outlet Chamber and Subgrade layer	5d	13-Feb-16	17-Feb-16
E-JLR-1315	Soil verification report - Geotechnical report	5d	18-Feb-16	25-Feb-16
E-JLR-1350	Digging of Inlet Outlet chamber (S-RVV01)	3d	27-Feb-16	29-Feb-16
E-JLR-1370	Excavation, Furnish and install subgrade piping system (Perforated, Outlet & Washout)	3d	01-Mar-16	03-Mar-16
E-JLR-1420	Furnish and install base course (150mm in depth) under base slab	4d	05-Mar-16	08-Mar-16
E-JLR-1430	Construction of Lean Concrete under Reservoir	5d	09-Mar-16	14-Mar-16
Civil Work				
E-JLR-1460	Installation of perforated pipes	2d	15-Mar-16	16-Mar-16
E-JLR-1470	Reservoir base slab - Formwork	5d	23-Mar-16	28-Mar-16
E-JLR-1480	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and perforated pipes)	2d	29-Mar-16	30-Mar-16
E-JLR-1490	Reservoir base slab reinforcing steel & water stop installation	10d	31-Mar-16	11-Apr-16
E-JLR-1510	Reservoir base slab - Place concrete (Stage 1)	1d	12-Apr-16	12-Apr-16
E-JLR-1520	Reservoir base slab - Place concrete (Stage 2)	1d	16-Apr-16	16-Apr-16
E-JLR-1540	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	19-Apr-16	19-Apr-16
E-JLR-1550	Concrete Curing for Base slab	7d	20-Apr-16	27-Apr-16
E-JLR-1560	Reservoir Walls - External formwork	2d	20-Apr-16	21-Apr-16
E-JLR-1570	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	24-Apr-16	09-May-16
E-JLR-1580	Water proofing & backfilling	1d	28-Apr-16	28-Apr-16
E-JLR-1590	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	10-May-16	18-May-16
E-JLR-1600	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	19-May-16	19-May-16
E-JLR-1610	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	19-May-16	28-May-16
E-JLR-1620	Reservoir Walls - Place concrete (Stage 2)	1d	29-May-16	29-May-16
E-JLR-1630	Reservoir Roof Slab - Formwork	10d	08-Jun-16	26-Jun-16
E-JLR-1650	Reservoir Roof Slab - Reinforcing steel & installation of seismic cans	5d	27-Jun-16	09-Jul-16
E-JLR-1660	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	09-Jul-16	10-Jul-16

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TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

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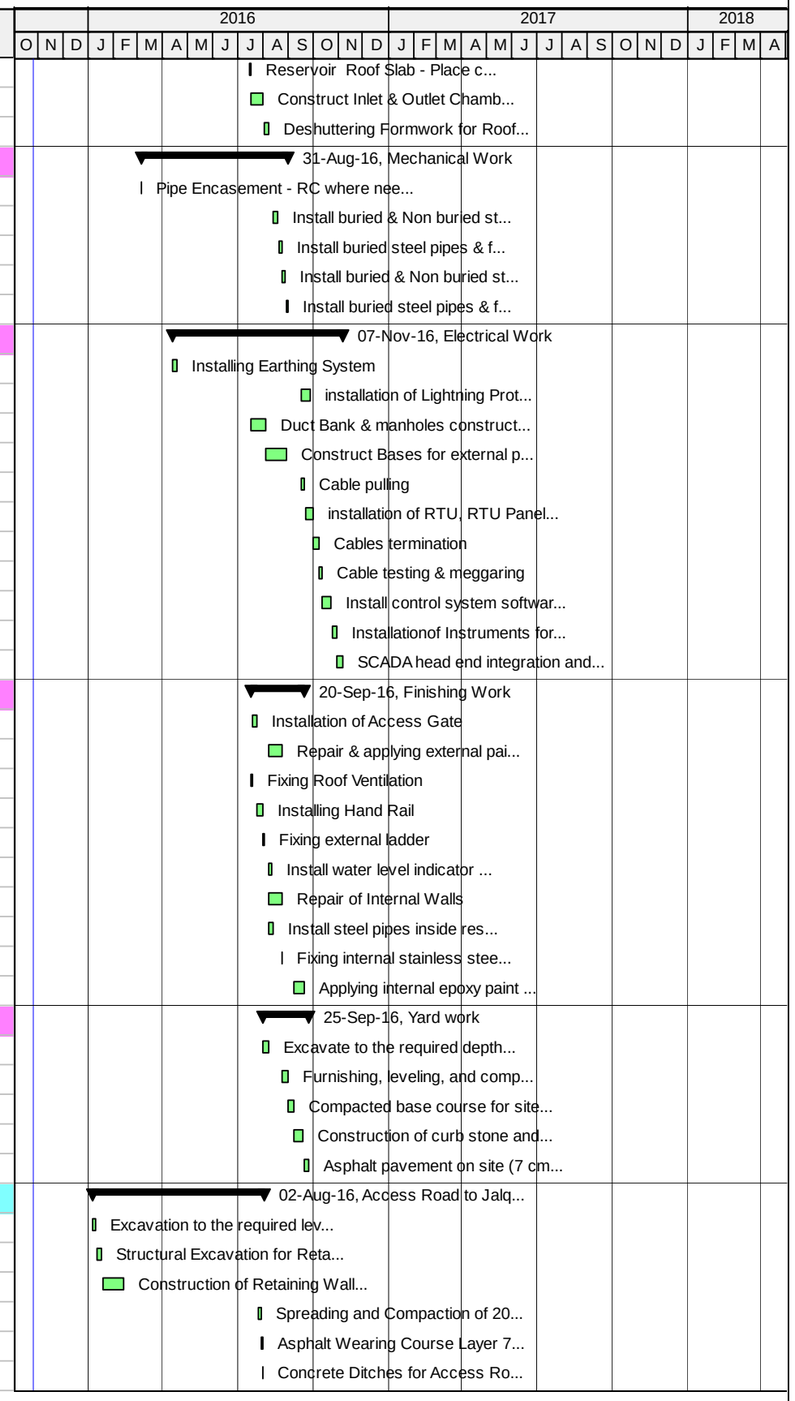
Activity ID	Activity Name	Original Duration	Start	Finish
E-JLR-1670	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	16-Jul-16	17-Jul-16
E-JLR-1700	Construct Inlet & Outlet Chambers (Valve Vault)	13d	17-Jul-16	01-Aug-16
E-JLR-1730	Deshuttering Formwork for Roof Slab	5d	02-Aug-16	08-Aug-16
Mechanical Work				
E-JLR-1410	Pipe Encasement - RC where needed	2d	05-Mar-16	06-Mar-16
E-JLR-1760	Install buried & Non buried steel pipes & fittings- Outlet and Drain Structure Outlet	5d	14-Aug-16	18-Aug-16
E-JLR-1790	Install buried steel pipes & fittings - Washout	5d	20-Aug-16	24-Aug-16
E-JLR-1800	Install buried & Non buried steel pipes & fittings - Inlet	3d	25-Aug-16	28-Aug-16
E-JLR-1830	Install buried steel pipes & fittings - Overflow	3d	29-Aug-16	31-Aug-16
Electrical Work				
E-JLR-1500	Installing Earthing System	5d	12-Apr-16	17-Apr-16
E-JLR-1530	installation of Lightning Protection and Grounding System	10d	17-Sep-16	27-Sep-16
E-JLR-1690	Duct Bank & manholes construction including precast Pullbox	16d	17-Jul-16	04-Aug-16
E-JLR-1740	Construct Bases for external power lighting	21d	04-Aug-16	29-Aug-16
E-JLR-1840	Cable pulling	5d	17-Sep-16	21-Sep-16
E-JLR-1850	installation of RTU, RTU Panel and breaker Panel	8d	22-Sep-16	01-Oct-16
E-JLR-1860	Cables termination	6d	02-Oct-16	08-Oct-16
E-JLR-1870	Cable testing & meggaring	3d	09-Oct-16	11-Oct-16
E-JLR-1880	Install control system software	10d	12-Oct-16	23-Oct-16
E-JLR-1900	Installationof Instruments for the site and its facilities and Structures per section 13500A	6d	24-Oct-16	30-Oct-16
E-JLR-1910	SCADA head end integration and programming for the site	7d	31-Oct-16	07-Nov-16
Finishing Work				
E-JLR-1440	Installation of Access Gate	3d	20-Jul-16	24-Jul-16
E-JLR-1640	Repair & applying external paint for the reservoir	14d	08-Aug-16	24-Aug-16
E-JLR-1680	Fixing Roof Ventilation	3d	17-Jul-16	20-Jul-16
E-JLR-1710	Installing Hand Rail	5d	25-Jul-16	31-Jul-16
E-JLR-1720	Fixing external ladder	2d	31-Jul-16	02-Aug-16
E-JLR-1750	Install water level indicator & Access Cover	3d	08-Aug-16	11-Aug-16
E-JLR-1770	Repair of Internal Walls	14d	08-Aug-16	24-Aug-16
E-JLR-1780	Install steel pipes inside reservoir - Outlet	5d	08-Aug-16	14-Aug-16
E-JLR-1810	Fixing internal stainless steel access ladder	1d	24-Aug-16	25-Aug-16
E-JLR-1890	Applying internal epoxy paint for the reservoir	6d	08-Sep-16	20-Sep-16
Yard work				
E-JLR-1930	Excavate to the required depth as per design drawings	6d	01-Aug-16	08-Aug-16
E-JLR-1940	Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	25-Aug-16	01-Sep-16
E-JLR-1950	Compacted base course for site grading, 200 mm layer	5d	01-Sep-16	07-Sep-16
E-JLR-1955	Construction of curb stone and side walk	5d	07-Sep-16	18-Sep-16
E-JLR-1960	Asphalt pavement on site (7 cm), ¾ " asphalt mix design including MC	4d	20-Sep-16	25-Sep-16
Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)				
E-JLR-1000	Excavation to the required level for Access Road to Jalqamus Reservoir	4d	06-Jan-16	10-Jan-16
E-JLR-1010	Structural Excavation for Retaining Wall from Station 0+070 to Station 0+165	6d	11-Jan-16	17-Jan-16
E-JLR-1020	Construction of Retaining Wall from Station 0+070 to Station 0+165	21d	18-Jan-16	13-Feb-16
E-JLR-1030	Spreading and Compaction of 20cm Base Course for Access Road to Jalqamus Reservoir from Station 0+000 to Station (	3d	26-Jul-16	30-Jul-16
E-JLR-1040	Asphalt Wearing Course Layer 7cm for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165 includin	1d	30-Jul-16	31-Jul-16
E-JLR-1045	Concrete Ditches for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165	1d	31-Jul-16	01-Aug-16



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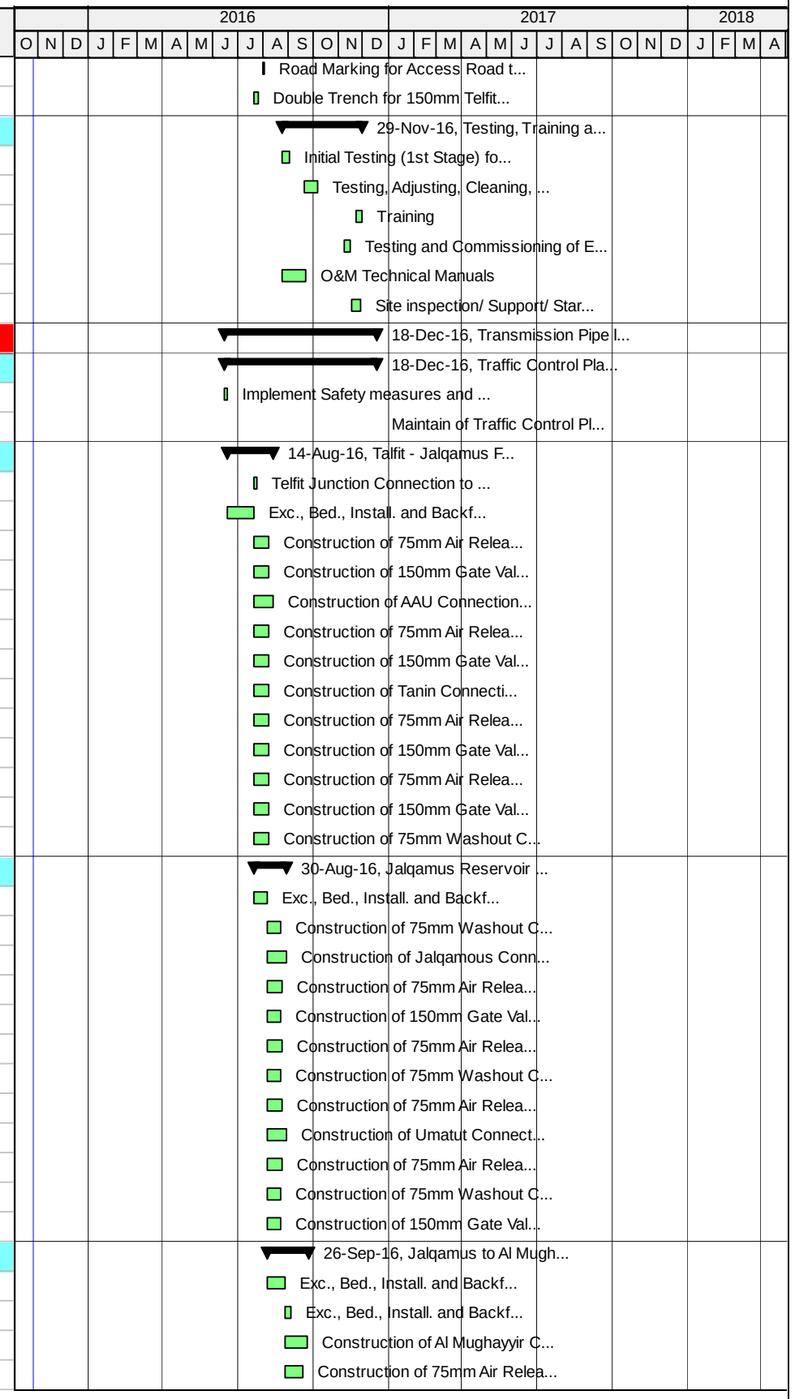
Activity ID	Activity Name	Original Duration	Start	Finish
E-JLR-1050	Road Marking for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165	1d	01-Aug-16	02-Aug-16
E-TJT-1100	Double Trench for 150mm Telfit-Jalqamus (St. 2+140 to St. 2+330) & 150 mm Jalqamus-Umatut pipes (St. 0+000 to St. 0+	4d	21-Jul-16	26-Jul-16
Testing, Training and Commissioning				
E-JLR-3000	Initial Testing (1st Stage) for Water Tightness	7d	25-Aug-16	03-Sep-16
E-JLR-3010	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	20-Sep-16	06-Oct-16
E-JLR-5250	Training	7d	22-Nov-16	29-Nov-16
E-JLR-5255	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	08-Nov-16	16-Nov-16
E-JLR-5260	O&M Technical Manuals	20d	25-Aug-16	22-Sep-16
E-JLR-5270	Site inspection/ Support/ Start up	9d	17-Nov-16	27-Nov-16
Transmission Pipe lines				
Traffic Control Plan and Safety				
SWJ-TCP-1400	Implement Safety measures and Traffic Control Plan for Zone 01	2d	15-Jun-16	19-Jun-16
SWJ-TCP-1410	Maintain of Traffic Control Plan and Safety measures for Zone 01	141d	19-Jun-16	18-Dec-16
Talfit - Jalqamus Force line (Talfit Junction to Jalqamus Reservoir)				
E-TJT-0990	Telfit Junction Connection to Existing Pipeline	2d	21-Jul-16	24-Jul-16
E-TJT-1000	Exc., Bed., Install. and Backfill. 150mm Talfit - Jalqamus force line from St. 0+000 to St.2+140	20d	19-Jun-16	21-Jul-16
E-TJT-1010	Construction of 75mm Air Release Valve Chamber at Station 0+410 on 150mm pipe	15d	21-Jul-16	08-Aug-16
E-TJT-1020	Construction of 150mm Gate Valve Chamber at Station 0+500	15d	21-Jul-16	08-Aug-16
E-TJT-1025	Construction of AAU Connection Chamber at Station 0+620 (CHD-155) including connect to Existing Pipeline and 100mm	20d	21-Jul-16	14-Aug-16
E-TJT-1030	Construction of 75mm Air Release Valve Chamber at Station 0+910 on 150mm pipe	15d	21-Jul-16	08-Aug-16
E-TJT-1040	Construction of 150mm Gate Valve Chamber at Station 1+000	15d	21-Jul-16	08-Aug-16
E-TJT-1045	Construction of Tanin Connection Chamber at station 1+030 including 100mm pipe and connect to existing pipeline (CHD-	15d	21-Jul-16	08-Aug-16
E-TJT-1050	Construction of 75mm Air Release Valve Chamber at Station 1+410 on 150mm pipe	15d	21-Jul-16	08-Aug-16
E-TJT-1060	Construction of 150mm Gate Valve Chamber at Station 1+500	15d	21-Jul-16	08-Aug-16
E-TJT-1070	Construction of 75mm Air Release Valve Chamber at Station 1+910 on 150mm pipe	15d	21-Jul-16	08-Aug-16
E-TJT-1080	Construction of 150mm Gate Valve Chamber at Station 2+000	15d	21-Jul-16	08-Aug-16
E-TJT-1090	Construction of 75mm Washout Chamber at station 2+080 on 150mm pipe	15d	21-Jul-16	08-Aug-16
Jalqamus Reservoir to Umatut Force Line (Jalqamus Junction) (150mm x 1.8 km)				
E-JLT-0020	Exc., Bed., Install. and Backfill. 150mm Jalqamus pipeline from St. 0+190 to St.1+880	14d	21-Jul-16	07-Aug-16
E-JLT-1000	Construction of 75mm Washout Chamber at station 0+190 on 150mm pipe	13d	07-Aug-16	22-Aug-16
E-JLT-1010	Construction of Jalqamous Connection Chamber (CHD-171) including 100mm Connection Pipe	20d	07-Aug-16	30-Aug-16
E-JLT-1020	Construction of 75mm Air Release Valve Chamber at station 0+325 on 150mm pipe	15d	07-Aug-16	24-Aug-16
E-JLT-1030	Construction of 150mm Gate Valve Chamber at Station 0+538	13d	07-Aug-16	22-Aug-16
E-JLT-1040	Construction of 75mm Air Release Valve Chamber at station 0+715 on 150mm pipe	15d	07-Aug-16	24-Aug-16
E-JLT-1050	Construction of 75mm Washout Chamber at station 0+885 on 150mm pipe	13d	07-Aug-16	22-Aug-16
E-JLT-1060	Construction of 75mm Air Release Valve Chamber at station 1+162 on 150mm pipe	15d	07-Aug-16	24-Aug-16
E-JLT-1070	Construction of Umatut Connection Chamber (CHD-173) including 100mm Connection Pipe	20d	07-Aug-16	30-Aug-16
E-JLT-1080	Construction of 75mm Air Release Valve Chamber at station 1+590 on 150mm pipe	15d	07-Aug-16	24-Aug-16
E-JLT-1090	Construction of 75mm Washout Chamber at station 1+870 on 150mm pipe	13d	07-Aug-16	22-Aug-16
E-JLT-1110	Construction of 150mm Gate Valve Chamber at Station 1+375	13d	07-Aug-16	22-Aug-16
Jalqamus to Al Mughayyir Force Line				
E-JMT-1000	Exc., Bed., Install. and Backfill. 150mm Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.2+000	17d	07-Aug-16	27-Aug-16
E-JMT-1010	Exc., Bed., Install. and Backfill. 150mm Jalqamus to Al Mughayyir pipeline from St. 2+000 to St.2+776	7d	27-Aug-16	04-Sep-16
E-JMT-1020	Construction of Al Mughayyir Connection Chamber (CHD-191)	20d	27-Aug-16	24-Sep-16
E-JMT-1030	Construction of 75mm Air Release Valve Chamber at station 0+470 on 150mm pipe	15d	27-Aug-16	18-Sep-16



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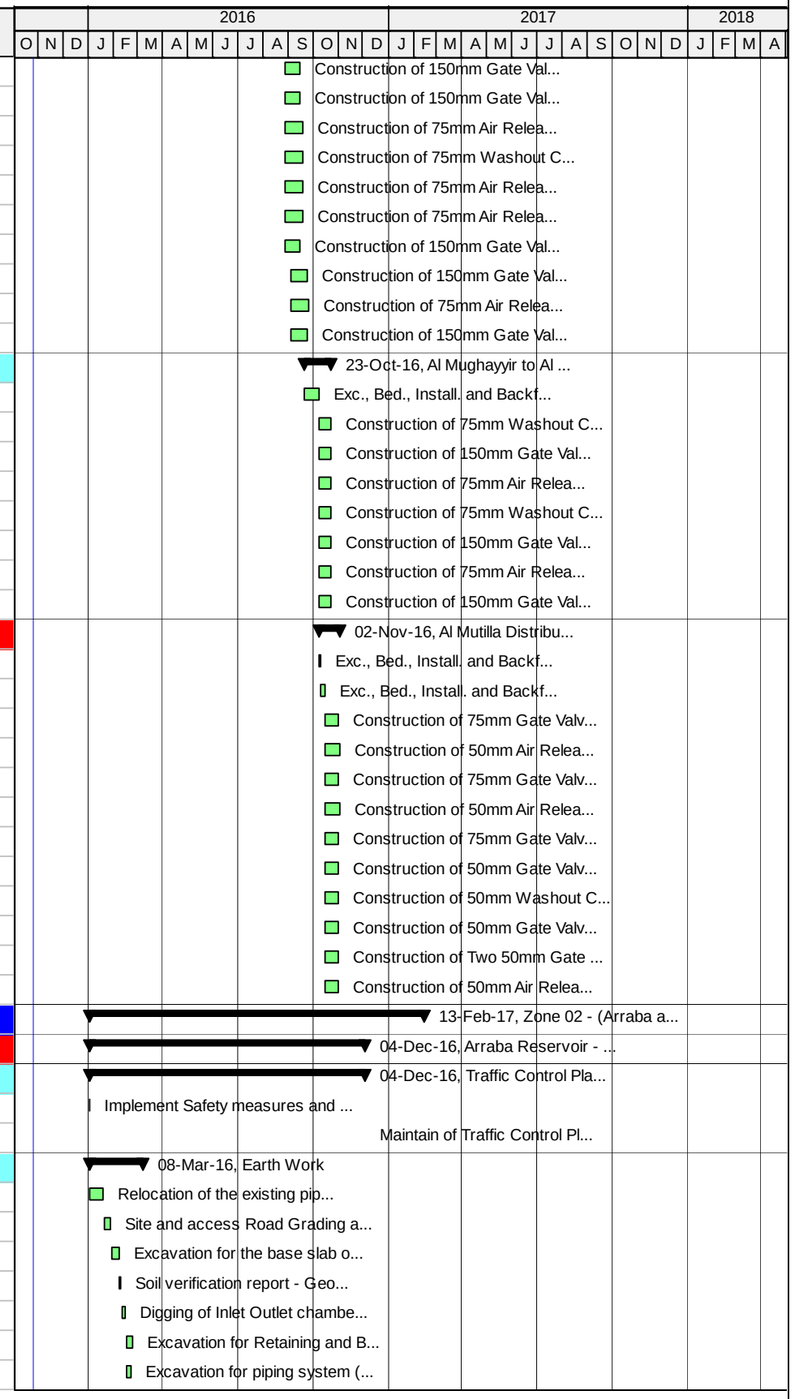
Activity ID	Activity Name	Original Duration	Start	Finish
E-JMT-1040	Construction of 150mm Gate Valve Chamber at Station 0+500	13d	27-Aug-16	15-Sep-16
E-JMT-1050	Construction of 150mm Gate Valve Chamber at Station 1+000	13d	27-Aug-16	15-Sep-16
E-JMT-1060	Construction of 75mm Air Release Valve Chamber at station 1+015 on 150mm pipe	15d	27-Aug-16	18-Sep-16
E-JMT-1070	Construction of 75mm Washout Chamber at station 1+430 on 150mm pipe	15d	27-Aug-16	18-Sep-16
E-JMT-1080	Construction of 75mm Air Release Valve Chamber at station 1+690 on 150mm pipe	15d	27-Aug-16	18-Sep-16
E-JMT-1090	Construction of 75mm Air Release Valve Chamber at station 1+970 on 150mm pipe	15d	27-Aug-16	18-Sep-16
E-JMT-1100	Construction of 150mm Gate Valve Chamber at Station 2+000	13d	27-Aug-16	15-Sep-16
E-JMT-1110	Construction of 150mm Gate Valve Chamber at Station 2+050 including connection to Existing Manhole	13d	04-Sep-16	24-Sep-16
E-JMT-1120	Construction of 75mm Air Release Valve Chamber at station 2+430 on 150mm pipe	15d	04-Sep-16	26-Sep-16
E-JMT-1130	Construction of 150mm Gate Valve Chamber at Station 2+500	13d	04-Sep-16	24-Sep-16
Al Mughayyir to Al Mutilla Force Line (Al Mutilla Booster Station to Al Mutilla Reservoir)				
E-MTT-1140	Exc., Bed., Install. and Backfill. 150mm Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680	14d	21-Sep-16	08-Oct-16
E-MTT-1150	Construction of 75mm Washout Chamber at station 0+330 on 150mm pipe	13d	08-Oct-16	23-Oct-16
E-MTT-1160	Construction of 150mm Gate Valve Chamber at Station 0+500	13d	08-Oct-16	23-Oct-16
E-MTT-1170	Construction of 75mm Air Release Valve Chamber at station 0+705 on 150mm pipe	13d	08-Oct-16	23-Oct-16
E-MTT-1180	Construction of 75mm Washout Chamber at station 0+880 on 150mm pipe	13d	08-Oct-16	23-Oct-16
E-MTT-1190	Construction of 150mm Gate Valve Chamber at Station 1+000	13d	08-Oct-16	23-Oct-16
E-MTT-1200	Construction of 75mm Air Release Valve Chamber at station 1+245 on 150mm pipe	13d	08-Oct-16	23-Oct-16
E-MTT-1210	Construction of 150mm Gate Valve Chamber at Station 1+500	13d	08-Oct-16	23-Oct-16
Al Mutilla Distribution Network				
E-MTN-1000	Exc., Bed., Install. and Backfill. 75mm pipe for Al Mutilla Network - from Al Mutilla Elevated Reservoir (260 m)	3d	08-Oct-16	11-Oct-16
E-MTN-1010	Exc., Bed., Install. and Backfill. 50mm pipe for Al Mutilla Network - Branches from 75 mm pipe (320 m)	4d	11-Oct-16	16-Oct-16
E-MTN-1030	Construction of 75mm Gate Valve Chamber at Al Mutilla Reservoir Entrance	13d	16-Oct-16	31-Oct-16
E-MTN-1040	Construction of 50mm Air Release Valve Chamber on 75mm pipe	15d	16-Oct-16	02-Nov-16
E-MTN-1045	Construction of 75mm Gate Valve Chamber on 75mm pipe	13d	16-Oct-16	31-Oct-16
E-MTN-1050	Construction of 50mm Air Release Valve Chamber on 75mm pipe	15d	16-Oct-16	02-Nov-16
E-MTN-1060	Construction of 75mm Gate Valve Chamber on 75mm pipe	13d	16-Oct-16	31-Oct-16
E-MTN-1065	Construction of 50mm Gate Valve Chamber on 50mm pipe	13d	16-Oct-16	31-Oct-16
E-MTN-1070	Construction of 50mm Washout Chamber on 75mm pipe	13d	16-Oct-16	31-Oct-16
E-MTN-1080	Construction of 50mm Gate Valve Chamber on 50mm pipe - near Al Mutilla Reservoir Entrance	13d	16-Oct-16	31-Oct-16
E-MTN-1090	Construction of Two 50mm Gate Valve Chamber on 50mm pipe	13d	16-Oct-16	31-Oct-16
E-MTN-1100	Construction of 50mm Air Release Valve Chamber on 50mm pipe	13d	16-Oct-16	31-Oct-16
Zone 02 - (Arraba and Kuferit)				
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3 At Grade				
Traffic Control Plan and Safety				
E-ARR-1000	Implement Safety measures and Traffic Control Plan	2d	02-Jan-16	03-Jan-16
E-ARR-1010	Maintain of Traffic Control Plan and Safety measures for Arraba Reservoir	264d	04-Jan-16	04-Dec-16
Earth Work				
E-ARR-1040	Relocation of the existing pipeline and Demolition of existing reservoir	15d	02-Jan-16	18-Jan-16
E-ARR-1050	Site and access Road Grading and Preparation	7d	21-Jan-16	28-Jan-16
E-ARR-1060	Excavation for the base slab of the Reservoir and subgrade layer	8d	30-Jan-16	07-Feb-16
E-ARR-1065	Soil verification report - Geotechnical report	3d	08-Feb-16	10-Feb-16
E-ARR-1070	Digging of Inlet Outlet chamber (S-RVV01)	4d	11-Feb-16	15-Feb-16
E-ARR-1080	Excavation for Retaining and Boundary walls	6d	16-Feb-16	24-Feb-16
E-ARR-1090	Excavation for piping system (Perforated, Outlet & Washout)	4d	16-Feb-16	22-Feb-16



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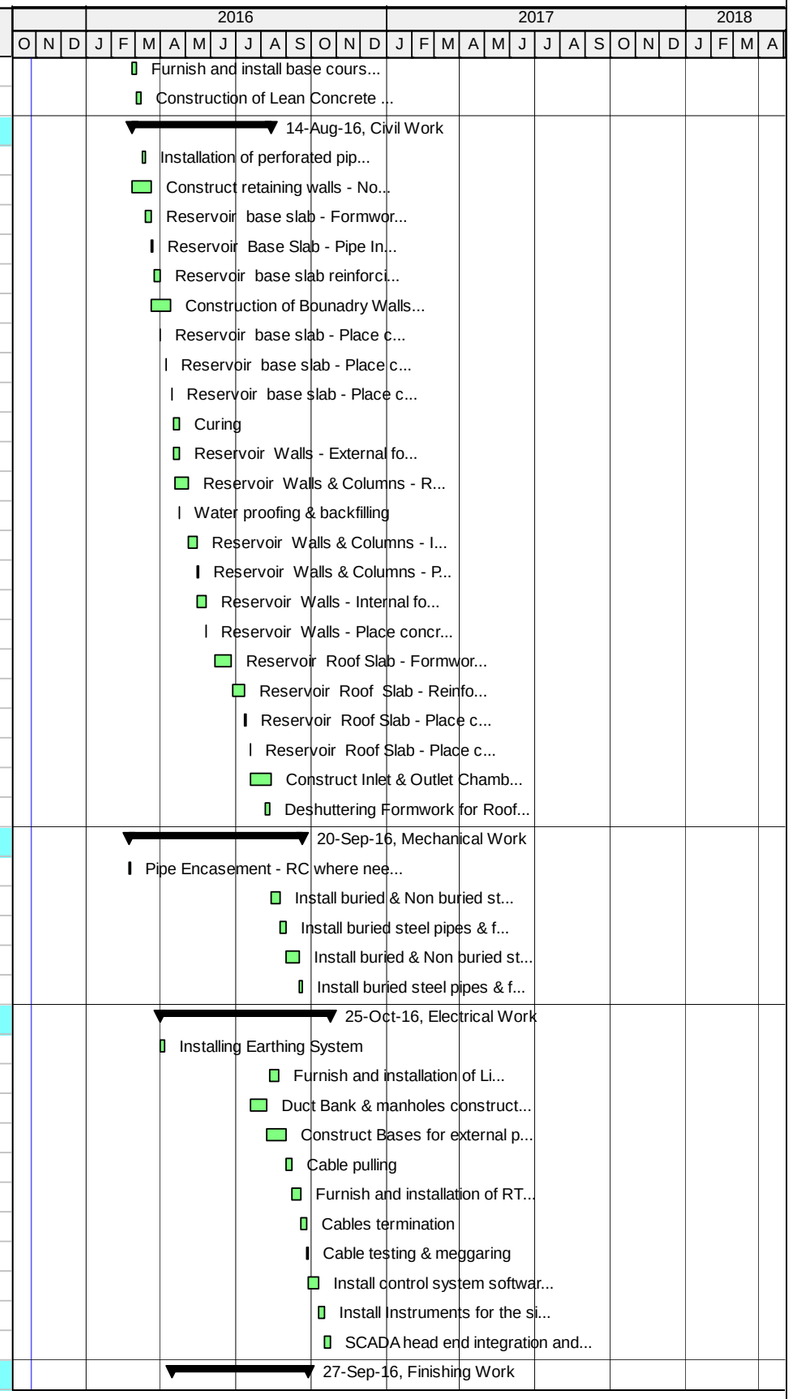
Activity ID	Activity Name	Original Duration	Start	Finish
E-ARR-1100	Furnish and install base course (150mm in depth) under base slab	6d	25-Feb-16	02-Mar-16
E-ARR-1130	Construction of Lean Concrete under Reservoir	5d	03-Mar-16	08-Mar-16
Civil Work				
E-ARR-1110	Installation of perforated pipes	3d	09-Mar-16	12-Mar-16
E-ARR-1120	Construct retaining walls - North side	21d	25-Feb-16	20-Mar-16
E-ARR-1140	Reservoir base slab - Formwork	7d	13-Mar-16	20-Mar-16
E-ARR-1150	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and other pipes)	2d	21-Mar-16	22-Mar-16
E-ARR-1160	Reservoir base slab reinforcing steel & water stop installation	7d	23-Mar-16	30-Mar-16
E-ARR-1170	Construction of Bounadry Walls - south and west side	21d	21-Mar-16	13-Apr-16
E-ARR-1180	Reservoir base slab - Place concrete (Stage 1 - Part A, C, H, L)	1d	31-Mar-16	31-Mar-16
E-ARR-1190	Reservoir base slab - Place concrete (Stage 2 - Part B, D, F, J)	1d	07-Apr-16	07-Apr-16
E-ARR-1200	Reservoir base slab - Place concrete (Stage 3 - Part E, G, I, K)	1d	14-Apr-16	14-Apr-16
E-ARR-1210	Curing	7d	16-Apr-16	23-Apr-16
E-ARR-1220	Reservoir Walls - External formwork	8d	16-Apr-16	24-Apr-16
E-ARR-1230	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	19-Apr-16	04-May-16
E-ARR-1240	Water proofing & backfilling	1d	24-Apr-16	24-Apr-16
E-ARR-1250	Reservoir Walls & Columns - Internal formwork - (Stage 1-Walls 1,3,5 & 7)	9d	05-May-16	15-May-16
E-ARR-1260	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	16-May-16	16-May-16
E-ARR-1270	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	9d	16-May-16	25-May-16
E-ARR-1280	Reservoir Walls - Place concrete (Stage 2)	1d	26-May-16	26-May-16
E-ARR-1290	Reservoir Roof Slab - Formwork	12d	05-Jun-16	26-Jun-16
E-ARR-1300	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	27-Jun-16	12-Jul-16
E-ARR-1310	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	12-Jul-16	13-Jul-16
E-ARR-1320	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	19-Jul-16	20-Jul-16
E-ARR-1330	Construct Inlet & Outlet Chamber (Valve Vault)	21d	20-Jul-16	14-Aug-16
E-ARR-1340	Deshuttering Formwork for Roof Slab	5d	06-Aug-16	11-Aug-16
Mechanical Work				
E-ARR-1360	Pipe Encasement - RC where needed	2d	23-Feb-16	24-Feb-16
E-ARR-1370	Install buried & Non buried steel pipes & fittings- Outlet Including Outlet Drain Structure	10d	14-Aug-16	25-Aug-16
E-ARR-1380	Install buried steel pipes & fittings - Washout	5d	25-Aug-16	31-Aug-16
E-ARR-1390	Install buried & Non buried steel pipes & fittings - Inlet including Valve Vault	10d	31-Aug-16	17-Sep-16
E-ARR-1400	Install buried steel pipes & fittings - Overflow	3d	17-Sep-16	20-Sep-16
Electrical Work				
E-ARR-1410	Installing Earthing System	5d	31-Mar-16	05-Apr-16
E-ARR-1420	Furnish and installation of Lightning Protection and Grounding System	10d	11-Aug-16	23-Aug-16
E-ARR-1430	Duct Bank & manholes construction including pre-cast pullbox	16d	20-Jul-16	08-Aug-16
E-ARR-1440	Construct Bases for external power lighting	21d	08-Aug-16	01-Sep-16
E-ARR-1450	Cable pulling	5d	01-Sep-16	07-Sep-16
E-ARR-1460	Furnish and installation of RTU, RTU Panel and Breaker Panel	5d	07-Sep-16	18-Sep-16
E-ARR-1470	Cables termination	6d	18-Sep-16	25-Sep-16
E-ARR-1480	Cable testing & meggaring	3d	25-Sep-16	28-Sep-16
E-ARR-1490	Install control system software	10d	28-Sep-16	10-Oct-16
E-ARR-1500	Install Instruments for the site and its facilities and Structures per section 13500A	6d	10-Oct-16	17-Oct-16
E-ARR-1510	SCADA head end integration and programming for the site and its facilities	7d	17-Oct-16	25-Oct-16
Finishing Work				



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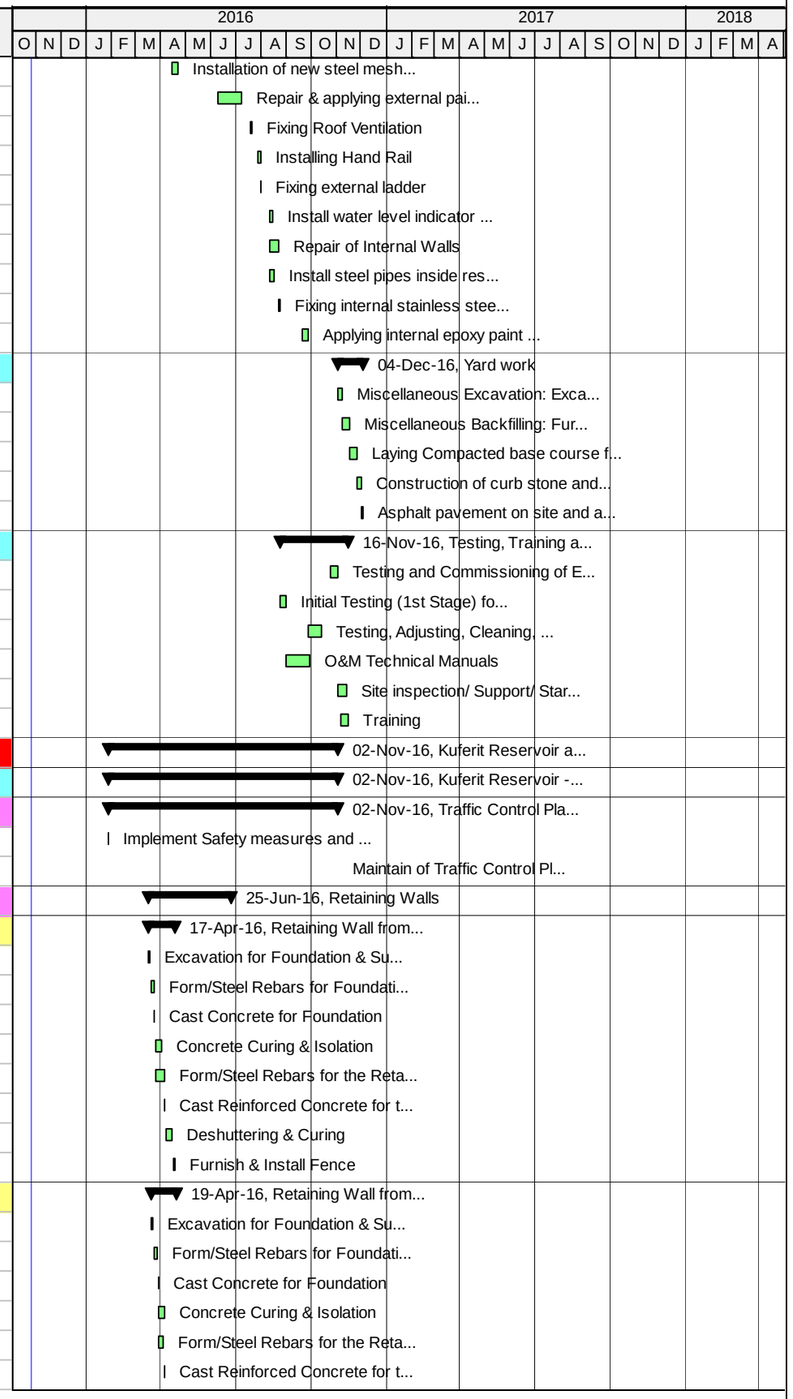
Activity ID	Activity Name	Original Duration	Start	Finish
E-ARR-1530	Installation of new steel mesh fence and fence around site perimeter on existing wall	7d	14-Apr-16	21-Apr-16
E-ARR-1550	Repair & applying external paint for the reservoir	14d	09-Jun-16	09-Jul-16
E-ARR-1560	Fixing Roof Ventilation	1d	20-Jul-16	21-Jul-16
E-ARR-1570	Installing Hand Rail	2d	28-Jul-16	31-Jul-16
E-ARR-1580	Fixing external ladder	1d	31-Jul-16	01-Aug-16
E-ARR-1590	Install water level indicator & Access Cover	3d	11-Aug-16	15-Aug-16
E-ARR-1600	Repair of Internal Walls	10d	11-Aug-16	23-Aug-16
E-ARR-1610	Install steel pipes inside reservoir - Outlet	5d	11-Aug-16	17-Aug-16
E-ARR-1620	Fixing internal stainless steel access ladder	1d	23-Aug-16	24-Aug-16
E-ARR-1640	Applying internal epoxy paint for the reservoir	6d	20-Sep-16	27-Sep-16
Yard work				
E-ARR-1650	Miscellaneous Excavation: Excavate to the required depth as per design drawings	6d	02-Nov-16	09-Nov-16
E-ARR-1660	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	09-Nov-16	17-Nov-16
E-ARR-1670	Laying Compacted base course for site grading, 200 mm layer	7d	17-Nov-16	26-Nov-16
E-ARR-1675	Construction of curb stone and side walk	5d	26-Nov-16	01-Dec-16
E-ARR-1680	Asphalt pavement on site and access road (7 cm), ¾" asphalt mix design including MC	2d	01-Dec-16	04-Dec-16
Testing, Training and Commissioning				
E-ARR-1520	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	25-Oct-16	02-Nov-16
E-ARR-1630	Initial Testing (1st Stage) for Water Tightness	7d	24-Aug-16	01-Sep-16
E-ARR-5275	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	27-Sep-16	13-Oct-16
E-ARR-5290	O&M Technical Manuals	20d	01-Sep-16	29-Sep-16
E-ARR-5300	Site inspection/ Support/ Start up	9d	02-Nov-16	13-Nov-16
E-ARR-5380	Training	7d	07-Nov-16	16-Nov-16
Kuferit Reservoir and Access Road				
Kuferit Reservoir - New Construction 500 m3 - At Grade				
Traffic Control Plan and Safety				
E-KFR-2000	Implement Safety measures and Traffic Control Plan	2d	27-Jan-16	28-Jan-16
E-KFR-2010	Maintain of Traffic Control Plan and Safety measures for Kuferit Reservoir	218d	30-Jan-16	02-Nov-16
Retaining Walls				
Retaining Wall from Station 02 to station 03 Length = 27.16 lm				
E-KFR-1820	Excavation for Foundation & Subgrade layer Compaction	2d	17-Mar-16	19-Mar-16
E-KFR-1830	Form/Steel Rebars for Foundation	4d	20-Mar-16	23-Mar-16
E-KFR-1840	Cast Concrete for Foundation	1d	24-Mar-16	24-Mar-16
E-KFR-1850	Concrete Curing & Isolation	7d	26-Mar-16	02-Apr-16
E-KFR-1860	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	10d	26-Mar-16	05-Apr-16
E-KFR-1870	Cast Reinforced Concrete for the Retaining Wall	1d	06-Apr-16	06-Apr-16
E-KFR-1880	Deshuttering & Curing	7d	07-Apr-16	14-Apr-16
E-KFR-1890	Furnish & Install Fence	2d	16-Apr-16	17-Apr-16
Retaining Wall from Station 03 to station 04 Length = 9.47 lm				
E-KFR-1740	Excavation for Foundation & Subgrade layer Compaction	2d	20-Mar-16	21-Mar-16
E-KFR-1750	Form/Steel Rebars for Foundation	4d	24-Mar-16	28-Mar-16
E-KFR-1760	Cast Concrete for Foundation	1d	29-Mar-16	29-Mar-16
E-KFR-1770	Concrete Curing & Isolation	7d	30-Mar-16	06-Apr-16
E-KFR-1780	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	30-Mar-16	04-Apr-16
E-KFR-1790	Cast Reinforced Concrete for the Retaining Wall	1d	05-Apr-16	05-Apr-16



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Activity ID	Activity Name	Original Duration	Start	Finish
E-KFR-1800	Deshuttering & Curing For Walls	7d	07-Apr-16	14-Apr-16
E-KFR-1810	Furnish & Install Fence	2d	18-Apr-16	19-Apr-16
Retaining Wall from Station 04 to station 05 Length = 9.24 lm				
E-KFR-1340	Excavation for Foundation & Subgrade layer Compaction	2d	22-Mar-16	23-Mar-16
E-KFR-1350	Form/Steel Rebars for Foundation	4d	29-Mar-16	02-Apr-16
E-KFR-1360	Cast Concrete for Foundation	1d	03-Apr-16	03-Apr-16
E-KFR-1370	Concrete Curing & Isolation	7d	04-Apr-16	11-Apr-16
E-KFR-1380	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	04-Apr-16	09-Apr-16
E-KFR-1390	Cast Reinforced Concrete for the Retaining Wall	1d	10-Apr-16	10-Apr-16
E-KFR-1400	Deshuttering & Curing For Wall	7d	12-Apr-16	19-Apr-16
E-KFR-1410	Furnish & Install Fence	2d	20-Apr-16	21-Apr-16
Retaining Wall from Station 05 to station 06 Length = 8 lm				
E-KFR-1500	Excavation for Foundation & Subgrade layer Compaction	4d	24-Mar-16	28-Mar-16
E-KFR-1510	Form/Steel Rebars for Foundation	6d	03-Apr-16	09-Apr-16
E-KFR-1520	Cast Concrete for Foundation	1d	10-Apr-16	10-Apr-16
E-KFR-1530	Concrete Curing & Isolation	7d	11-Apr-16	18-Apr-16
E-KFR-1540	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	4d	11-Apr-16	14-Apr-16
E-KFR-1550	Cast Reinforced Concrete for the Retaining Wall	1d	16-Apr-16	16-Apr-16
E-KFR-1560	Deshuttering & Curing For Walls	7d	19-Apr-16	26-Apr-16
E-KFR-1570	Furnish & Install Fence	2d	27-Apr-16	28-Apr-16
Retaining Wall from Station 06 to station 07 Length = 22.9 lm				
E-KFR-1420	Excavation for Foundation & Subgrade layer Compaction	4d	29-Mar-16	02-Apr-16
E-KFR-1430	Form/Steel Rebars for Foundation	8d	10-Apr-16	18-Apr-16
E-KFR-1440	Cast Concrete for Foundation	1d	19-Apr-16	19-Apr-16
E-KFR-1450	Concrete Curing & Isolation	7d	20-Apr-16	27-Apr-16
E-KFR-1460	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	15d	20-Apr-16	09-May-16
E-KFR-1470	Cast Reinforced Concrete for the Retaining Wall	1d	10-May-16	10-May-16
E-KFR-1480	Deshuttering & Curing For Walls	7d	11-May-16	18-May-16
E-KFR-1490	Furnish & Install Fence	2d	19-May-16	21-May-16
Retaining Wall from Station 07 to station 01 Length = 44.14				
E-KFR-1580	Excavation for Foundation & Subgrade layer Compaction	10d	03-Apr-16	13-Apr-16
E-KFR-1590	Form/Steel Rebars for Foundation	14d	19-Apr-16	07-May-16
E-KFR-1600	Cast Concrete for Foundation	1d	08-May-16	08-May-16
E-KFR-1610	Concrete Curing & Isolation	7d	09-May-16	16-May-16
E-KFR-1620	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	21d	09-May-16	01-Jun-16
E-KFR-1630	Cast Reinforced Concrete for the Retaining Wall	1d	02-Jun-16	02-Jun-16
E-KFR-1640	Deshuttering & Curing For Walls	7d	04-Jun-16	15-Jun-16
E-KFR-1650	Furnish & Install Fence	5d	15-Jun-16	25-Jun-16
Civil Work				
E-KFR-2015	Demolition, removal, clear and grub site, Site Grading and Preparation	5d	30-Jan-16	03-Feb-16
E-KFR-2016	Excavation to the Required Depth for the Base slab	8d	04-Feb-16	13-Feb-16
E-KFR-2020	Soil verification report - Geotechnical report	3d	14-Feb-16	16-Feb-16
E-KFR-2025	Furnishing, leveling, and compacting of subgrade layer	8d	17-Feb-16	28-Feb-16
E-KFR-2026	Furnish and install subgrade piping (Washout drainage pipe and other pipes)	8d	07-Mar-16	15-Mar-16
E-KFR-2030	Supply and Spread 150mm B/C Layers With Compaction Test & under ground Piping & Perforated Pipes	6d	29-Feb-16	06-Mar-16

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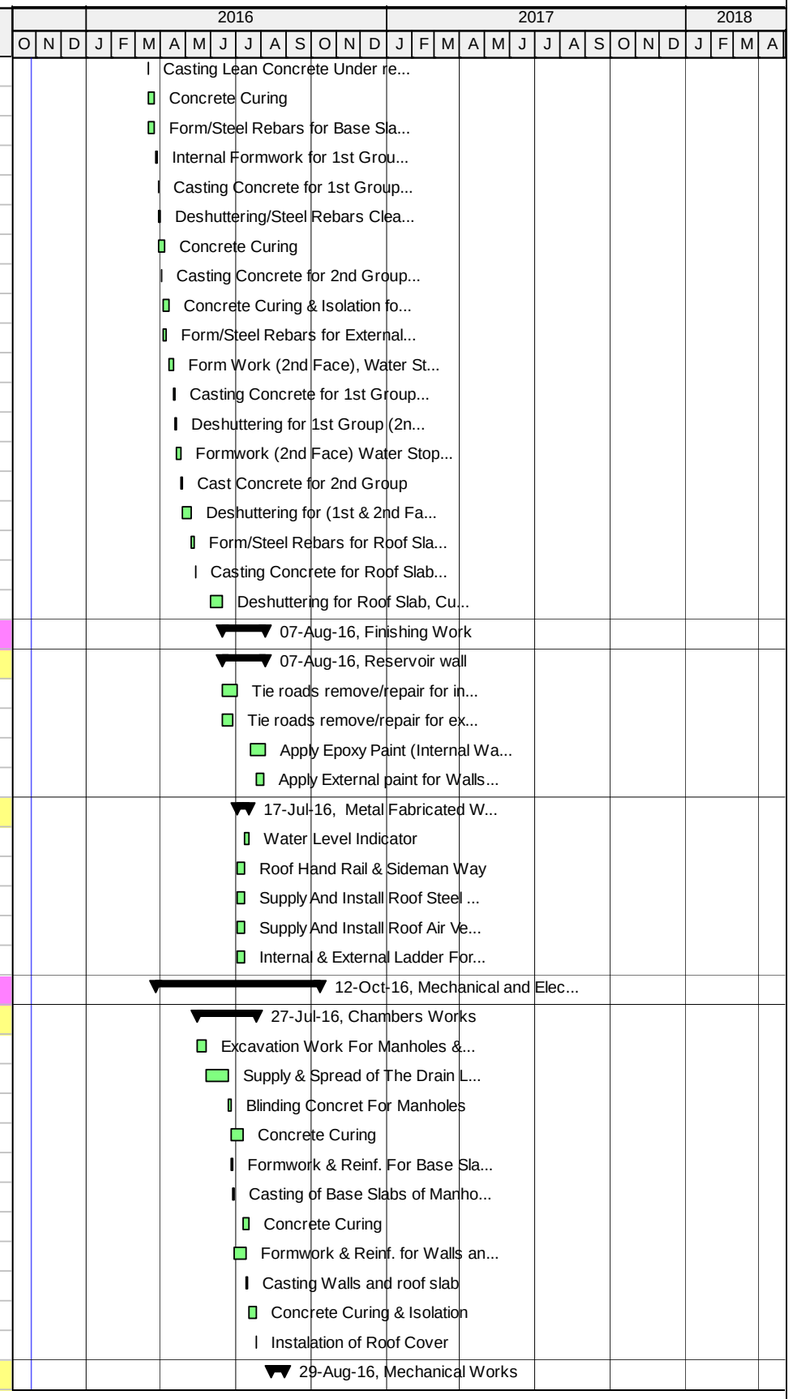
Activity ID	Activity Name	Original Duration	Start	Finish
E-KFR-2040	Casting Lean Concrete Under reservoir	1d	16-Mar-16	16-Mar-16
E-KFR-2050	Concrete Curing	7d	17-Mar-16	24-Mar-16
E-KFR-2060	Form/Steel Rebars for Base Slab and Installing Water Stop	7d	17-Mar-16	24-Mar-16
E-KFR-2070	Internal Formwork for 1st Group Ring Foundation (Costruction Joints)	3d	26-Mar-16	28-Mar-16
E-KFR-2080	Casting Concrete for 1st Group Ring Foundation	1d	29-Mar-16	29-Mar-16
E-KFR-2090	Deshuttering/Steel Rebars Cleaning	2d	30-Mar-16	31-Mar-16
E-KFR-2100	Concrete Curing	7d	30-Mar-16	06-Apr-16
E-KFR-2110	Casting Concrete for 2nd Group Base Slab	1d	02-Apr-16	02-Apr-16
E-KFR-2120	Concrete Curing & Isolation for Under Ground Elements	7d	03-Apr-16	10-Apr-16
E-KFR-2130	Form/Steel Rebars for External Wall & Middle Column Foundation (1st Face) With Seismec Cans Installation	5d	03-Apr-16	07-Apr-16
E-KFR-2140	Form Work (2nd Face), Water Stop installation 1st Group	5d	11-Apr-16	16-Apr-16
E-KFR-2150	Casting Concrete for 1st Group of walls	1d	17-Apr-16	17-Apr-16
E-KFR-2160	Deshuttering for 1st Group (2nd face) & Curing For Walls	2d	18-Apr-16	19-Apr-16
E-KFR-2170	Formwork (2nd Face) Water Stop installation 2nd Group & Form/Steel for Middle Column/With Seismec Cans Installation	5d	20-Apr-16	25-Apr-16
E-KFR-2180	Cast Concrete for 2nd Group	1d	26-Apr-16	26-Apr-16
E-KFR-2190	Deshuttering for (1st & 2nd Face) & Curing For Walls	7d	27-Apr-16	07-May-16
E-KFR-2200	Form/Steel Rebars for Roof Slab	5d	08-May-16	12-May-16
E-KFR-2210	Casting Concrete for Roof Slab & Mechanical Finishing	1d	14-May-16	14-May-16
E-KFR-2220	Deshuttering for Roof Slab, Curing & Cleaning RSV	10d	31-May-16	15-Jun-16
Finishing Work				
Reservoir wall				
E-KFR-2900	Tie roads remove/repair for internal walls	9d	15-Jun-16	02-Jul-16
E-KFR-3000	Tie roads remove/repair for externl walls	7d	15-Jun-16	28-Jun-16
E-KFR-3010	Apply Epoxy Paint (Internal Walls) & Base	15d	20-Jul-16	07-Aug-16
E-KFR-3020	Apply External paint for Walls & Roof Slab	7d	27-Jul-16	04-Aug-16
Metal Fabricated Works				
E-KFR-1050	Water Level Indicator	5d	11-Jul-16	17-Jul-16
E-KFR-1060	Roof Hand Rail & Sideman Way	5d	02-Jul-16	12-Jul-16
E-KFR-1070	Supply And Install Roof Steel Cover	4d	02-Jul-16	11-Jul-16
E-KFR-1080	Supply And Install Roof Air Vents	5d	02-Jul-16	12-Jul-16
E-KFR-3030	Internal & External Ladder For RSV	4d	02-Jul-16	11-Jul-16
Mechanical and Electrical Work				
Chambers Works				
E-KFR-1090	Excavation Work For Manholes & Pipelines In Yard	10d	15-May-16	25-May-16
E-KFR-1100	Supply & Spread of The Drain Layer For Manholes	18d	26-May-16	22-Jun-16
E-KFR-1110	Blinding Concret For Manholes	1d	22-Jun-16	25-Jun-16
E-KFR-1120	Concrete Curing	7d	25-Jun-16	10-Jul-16
E-KFR-1130	Formwork & Reinf. For Base Slab	2d	25-Jun-16	28-Jun-16
E-KFR-1140	Casting of Base Slabs of Manholes	1d	28-Jun-16	30-Jun-16
E-KFR-1150	Concrete Curing	7d	10-Jul-16	18-Jul-16
E-KFR-1160	Formwork & Reinf. for Walls and roof slab	8d	30-Jun-16	14-Jul-16
E-KFR-1170	Casting Walls and roof slab	1d	14-Jul-16	16-Jul-16
E-KFR-1180	Concrete Curing & Isolation	7d	18-Jul-16	26-Jul-16
E-KFR-1190	Instalation of Roof Cover	1d	26-Jul-16	27-Jul-16
Mechanical Works				



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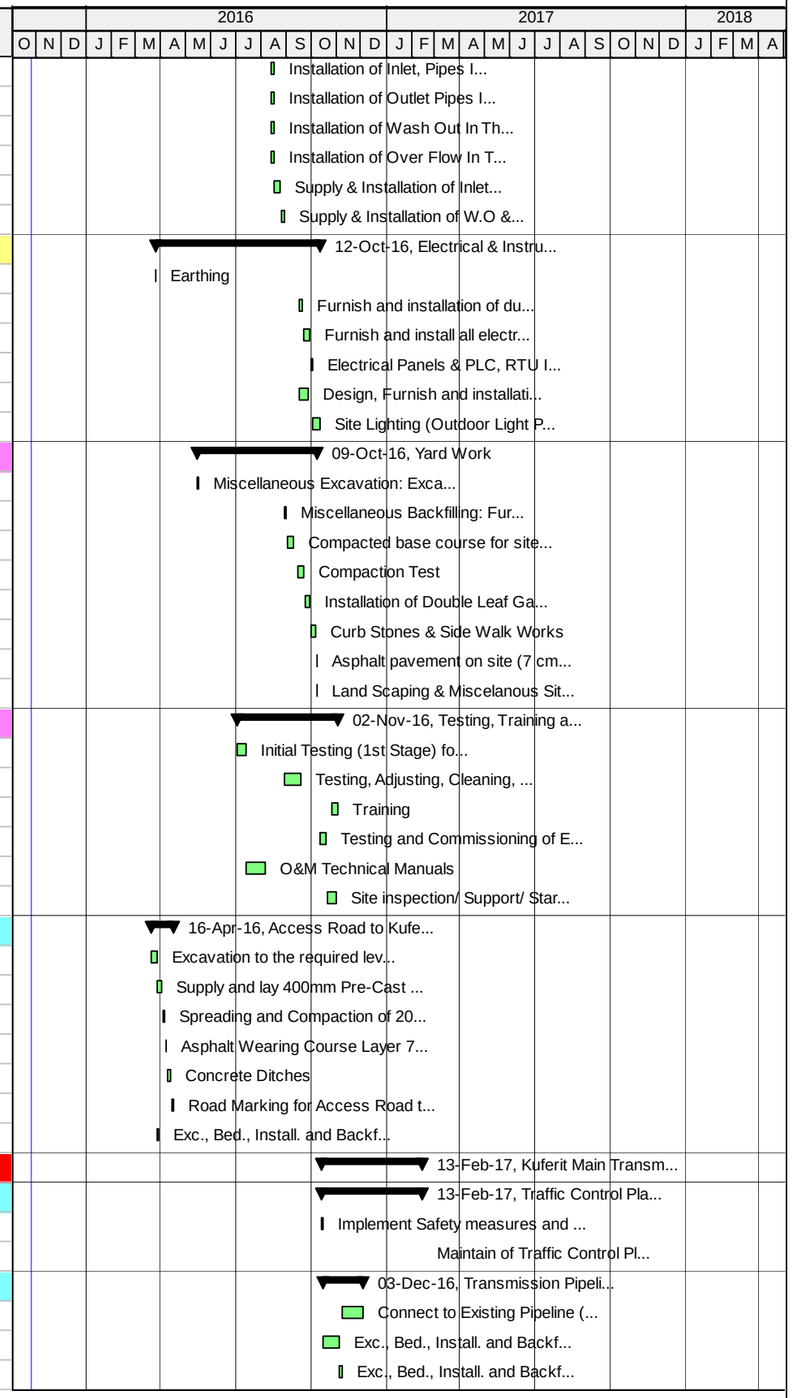
Activity ID	Activity Name	Original Duration	Start	Finish
E-KFR-1200	Installation of Inlet, Pipes In The Yard	4d	14-Aug-16	17-Aug-16
E-KFR-1210	Installation of Outlet Pipes In The Yard	4d	14-Aug-16	17-Aug-16
E-KFR-1220	Installation of Wash Out In The Yard	4d	14-Aug-16	17-Aug-16
E-KFR-1230	Installation of Over Flow In The Yard	4d	14-Aug-16	17-Aug-16
E-KFR-1240	Supply & Installation of Inlet & Outlet Fittings	7d	18-Aug-16	25-Aug-16
E-KFR-1250	Supply & Installation of W.O & Overflow Fittings	3d	27-Aug-16	29-Aug-16
Electrical & Instrumentation Works				
E-KFR-1260	Earthing	1d	26-Mar-16	26-Mar-16
E-KFR-1270	Furnish and installation of duct banks and pre-cast pullbox	5d	17-Sep-16	21-Sep-16
E-KFR-1280	Furnish and install all electrical conduit, cable, equipment, Electrical Manhole	7d	22-Sep-16	29-Sep-16
E-KFR-1290	Electrical Panels & PLC, RTU Instrumentation with Field Wiring & System Programing	3d	01-Oct-16	03-Oct-16
E-KFR-1300	Design, Furnish and installation of Lightning Protection and Grounding System	10d	17-Sep-16	27-Sep-16
E-KFR-1310	Site Lighting (Outdoor Light Poles with Lighting Fixtures)	8d	04-Oct-16	12-Oct-16
Yard Work				
E-KFR-1900	Miscellaneous Excavation: Excavate to the required depth as per design drawings	3d	15-May-16	17-May-16
E-KFR-1920	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	3d	30-Aug-16	01-Sep-16
E-KFR-1930	Compacted base course for site grading, 200 mm layer	7d	03-Sep-16	10-Sep-16
E-KFR-1940	Compaction Test	7d	15-Sep-16	22-Sep-16
E-KFR-1950	Installation of Double Leaf Gate Access gate	6d	24-Sep-16	29-Sep-16
E-KFR-1960	Curb Stones & Side Walk Works	6d	01-Oct-16	06-Oct-16
E-KFR-1980	Asphalt pavement on site (7 cm), ¾" asphalt mix design including MC	2d	08-Oct-16	09-Oct-16
E-KFR-1990	Land Scaping & Miscelanous Site Appurtances	2d	08-Oct-16	09-Oct-16
Testing, Training and Commissioning				
E-KFR-1330	Initial Testing (1st Stage) for Water Tightness	7d	02-Jul-16	14-Jul-16
E-KFR-5275	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	30-Aug-16	19-Sep-16
E-KFR-5280	Training	7d	26-Oct-16	02-Nov-16
E-KFR-5285	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	13-Oct-16	20-Oct-16
E-KFR-5290	O&M Technical Manuals	20d	14-Jul-16	07-Aug-16
E-KFR-5300	Site inspection/ Support/ Start up	9d	22-Oct-16	31-Oct-16
Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)				
E-KFR-1000	Excavation to the required level for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170	7d	20-Mar-16	27-Mar-16
E-KFR-1010	Supply and lay 400mm Pre-Cast Concrete Pipe Connection joint precast	5d	28-Mar-16	02-Apr-16
E-KFR-1020	Spreading and Compaction of 20cm Base Course for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+1	4d	03-Apr-16	06-Apr-16
E-KFR-1030	Asphalt Wearing Course Layer 7cm for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170 including M	1d	07-Apr-16	07-Apr-16
E-KFR-1035	Concrete Ditches	5d	09-Apr-16	13-Apr-16
E-KFR-1040	Road Marking for Access Road to Ajja Reservoir from Station 0+000 to Station 0+170	2d	14-Apr-16	16-Apr-16
E-YKT-1160	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 2+300 to St. 2+463	2d	28-Mar-16	29-Mar-16
Kuferit Main Transmission Pipeline - Yabad Junction to Kuferit Reservoir (150mm x 2.4 km)				
Traffic Control Plan and Safety				
SWJ-TCP-1380	Implement Safety measures and Traffic Control Plan for Zone 02	2d	13-Oct-16	16-Oct-16
SWJ-TCP-1390	Maintain of Traffic Control Plan and Safety measures for Zone 02	92d	16-Oct-16	13-Feb-17
Transmission Pipeline				
E-YKT-1000	Connect to Existing Pipeline (Cased Crossing at Israeli Highways (C-203 / C-DT20)) from Station 0+000 to Station 0+030	20d	08-Nov-16	03-Dec-16
E-YKT-1010	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 0+030 to St. 2+000	17d	16-Oct-16	05-Nov-16
E-YKT-1015	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 2+000 to St. 2+300	3d	05-Nov-16	08-Nov-16



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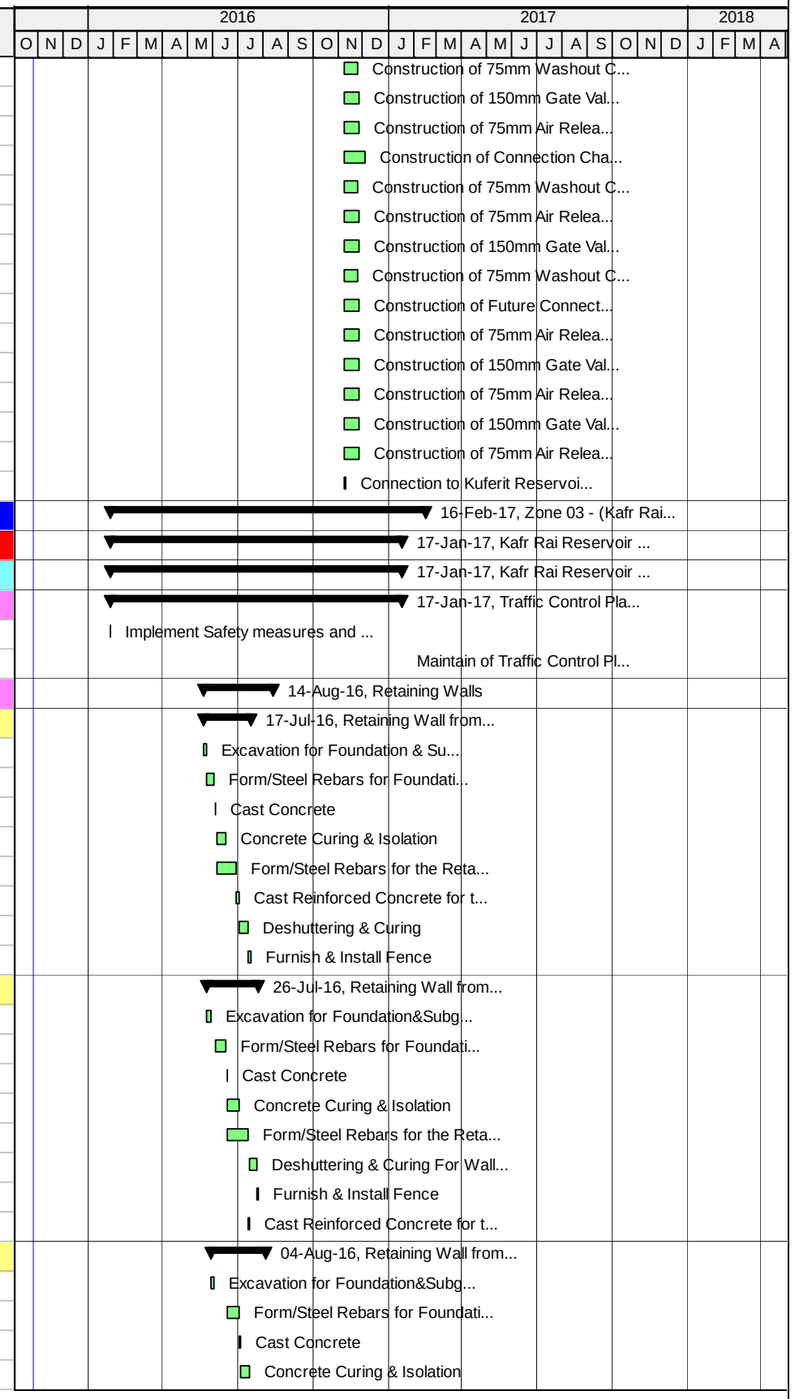
Activity ID	Activity Name	Original Duration	Start	Finish
E-YKT-1020	Construction of 75mm Washout Chamber at station 0+035 on 150mm pipe	13d	08-Nov-16	24-Nov-16
E-YKT-1030	Construction of 150mm Gate Valve Chamber at Station 0+500	15d	08-Nov-16	27-Nov-16
E-YKT-1040	Construction of 75mm Air Release Valve Chamber at station 0+542 on 150mm pipe	15d	08-Nov-16	27-Nov-16
E-YKT-1050	Construction of Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	20d	08-Nov-16	03-Dec-16
E-YKT-1060	Construction of 75mm Washout Chamber at station 0+700 on 150mm pipe	13d	08-Nov-16	24-Nov-16
E-YKT-1070	Construction of 75mm Air Release Valve Chamber at station 0+945 on 150mm pipe	15d	08-Nov-16	27-Nov-16
E-YKT-1080	Construction of 150mm Gate Valve Chamber at Station 1+205	15d	08-Nov-16	27-Nov-16
E-YKT-1090	Construction of 75mm Washout Chamber at station 1+210 on 150mm pipe	13d	08-Nov-16	24-Nov-16
E-YKT-1095	Construction of Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	15d	08-Nov-16	27-Nov-16
E-YKT-1100	Construction of 75mm Air Release Valve Chamber at station 1+280 on 150mm pipe	15d	08-Nov-16	27-Nov-16
E-YKT-1110	Construction of 150mm Gate Valve Chamber at Station 1+500	15d	08-Nov-16	27-Nov-16
E-YKT-1120	Construction of 75mm Air Release Valve Chamber at station 1+765 on 150mm pipe	15d	08-Nov-16	27-Nov-16
E-YKT-1130	Construction of 150mm Gate Valve Chamber at Station 2+000	15d	08-Nov-16	27-Nov-16
E-YKT-1140	Construction of 75mm Air Release Valve Chamber at station 2+165 on 150mm pipe	15d	08-Nov-16	27-Nov-16
E-YKT-1150	Connection to Kuferit Reservoir	2d	08-Nov-16	10-Nov-16
Zone 03 - (Kafr Rai and Ajja)				
Kafr Rai Reservoir and Access Road				
Kafr Rai Reservoir - New Construction 1,000 m3 At Grade				
Traffic Control Plan and Safety				
E-KRR-1720	Implement Safety measures and Traffic Control Plan for Kafr Rai Reservoir	2d	27-Jan-16	28-Jan-16
E-KRR-1730	Maintain of Traffic Control Plan and Safety measures for Kafr Rai Reservoir	275d	30-Jan-16	17-Jan-17
Retaining Walls				
Retaining Wall from Station 01 to station 04 Length = 35 lm				
E-KRR-2410	Excavation for Foundation & Subgrade layer Compaction	4d	21-May-16	24-May-16
E-KRR-2420	Form/Steel Rebars for Foundation	8d	25-May-16	02-Jun-16
E-KRR-2430	Cast Concrete	1d	04-Jun-16	04-Jun-16
E-KRR-2440	Concrete Curing & Isolation	7d	05-Jun-16	16-Jun-16
E-KRR-2450	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	05-Jun-16	30-Jun-16
E-KRR-2460	Cast Reinforced Concrete for the Retaining Wall	1d	30-Jun-16	02-Jul-16
E-KRR-2470	Deshuttering & Curing	7d	02-Jul-16	14-Jul-16
E-KRR-2480	Furnish & Install Fence	2d	14-Jul-16	17-Jul-16
Retaining Wall from Station 04 to station 03 Length = 36 lm				
E-KRR-2490	Excavation for Foundation&Subgrade layer Compaction	4d	25-May-16	29-May-16
E-KRR-2500	Form/Steel Rebars for Foundation	8d	04-Jun-16	16-Jun-16
E-KRR-2510	Cast Concrete	1d	18-Jun-16	19-Jun-16
E-KRR-2520	Concrete Curing & Isolation	7d	19-Jun-16	02-Jul-16
E-KRR-2530	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	19-Jun-16	14-Jul-16
E-KRR-2540	Deshuttering & Curing For Walls	7d	16-Jul-16	24-Jul-16
E-KRR-2550	Furnish & Install Fence	2d	24-Jul-16	26-Jul-16
E-KRR-2560	Cast Reinforced Concrete for the Retaining Wall	1d	14-Jul-16	16-Jul-16
Retaining Wall from Station 02 to station 03 Length = 30 lm				
E-KRR-2650	Excavation for Foundation&Subgrade layer Compaction	4d	30-May-16	02-Jun-16
E-KRR-2660	Form/Steel Rebars for Foundation	8d	18-Jun-16	02-Jul-16
E-KRR-2670	Cast Concrete	1d	02-Jul-16	04-Jul-16
E-KRR-2680	Concrete Curing & Isolation	7d	04-Jul-16	16-Jul-16



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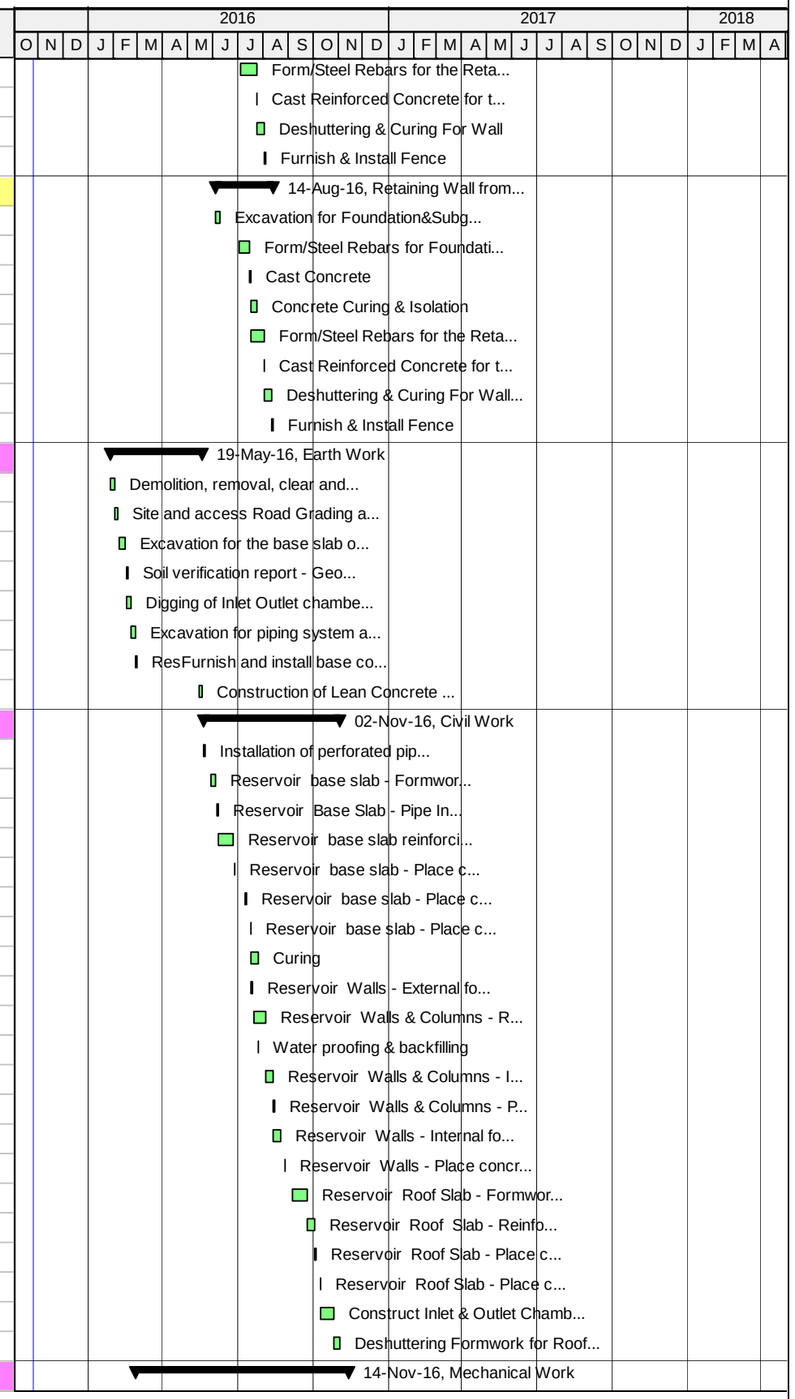
E-KRR-2690	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	04-Jul-16	24-Jul-16
E-KRR-2700	Cast Reinforced Concrete for the Retaining Wall	1d	24-Jul-16	25-Jul-16
E-KRR-2710	Deshuttering & Curing For Wall	7d	25-Jul-16	02-Aug-16
E-KRR-2720	Furnish & Install Fence	2d	02-Aug-16	04-Aug-16
Retaining Wall from Station 01 to station 02 Length = 8 lm				
E-KRR-3000	Excavation for Foundation&Subgrade layer Compaction	4d	04-Jun-16	09-Jun-16
E-KRR-3005	Form/Steel Rebars for Foundation	8d	02-Jul-16	16-Jul-16
E-KRR-3010	Cast Concrete	1d	16-Jul-16	17-Jul-16
E-KRR-3015	Concrete Curing & Isolation	7d	17-Jul-16	25-Jul-16
E-KRR-3020	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	17-Jul-16	02-Aug-16
E-KRR-3025	Cast Reinforced Concrete for the Retaining Wall	1d	02-Aug-16	03-Aug-16
E-KRR-3030	Deshuttering & Curing For Walls	7d	03-Aug-16	11-Aug-16
E-KRR-3035	Furnish & Install Fence	2d	11-Aug-16	14-Aug-16
Earth Work				
E-KRR-1710	Demolition, removal, clear and grub site	5d	28-Jan-16	02-Feb-16
E-KRR-1810	Site and access Road Grading and Preparation	3d	03-Feb-16	06-Feb-16
E-KRR-1820	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	07-Feb-16	15-Feb-16
E-KRR-1825	Soil verification report - Geotechnical report	3d	16-Feb-16	18-Feb-16
E-KRR-1830	Digging of Inlet Outlet chamber (S-RVV01)	4d	16-Feb-16	22-Feb-16
E-KRR-1840	Excavation for piping system and Furnishing, leveling, and compacting of subgrade layer	4d	23-Feb-16	27-Feb-16
E-KRR-1860	ResFurnish and install base course (150mm in depth) under base slab	2d	28-Feb-16	29-Feb-16
E-KRR-1870	Construction of Lean Concrete under foundation of Reservoir	5d	15-May-16	19-May-16
Civil Work				
E-KRR-1880	Installation of perforated pipes	3d	21-May-16	23-May-16
E-KRR-1890	Reservoir base slab - Formwork	5d	30-May-16	04-Jun-16
E-KRR-1900	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and other pipes)	2d	05-Jun-16	08-Jun-16
E-KRR-1910	Reservoir base slab reinforcing steel & water stop installation	10d	08-Jun-16	26-Jun-16
E-KRR-1930	Reservoir base slab - Place concrete (Stage 1)	1d	27-Jun-16	28-Jun-16
E-KRR-1960	Reservoir base slab - Place concrete (Stage 2)	1d	10-Jul-16	11-Jul-16
E-KRR-1970	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	17-Jul-16	18-Jul-16
E-KRR-1990	Curing	7d	18-Jul-16	26-Jul-16
E-KRR-2000	Reservoir Walls - External formwork	2d	18-Jul-16	20-Jul-16
E-KRR-2010	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	21-Jul-16	04-Aug-16
E-KRR-2020	Water proofing & backfilling	1d	26-Jul-16	27-Jul-16
E-KRR-2030	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	04-Aug-16	14-Aug-16
E-KRR-2040	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	14-Aug-16	15-Aug-16
E-KRR-2050	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	14-Aug-16	23-Aug-16
E-KRR-2060	Reservoir Walls - Place concrete (Stage 2)	1d	27-Aug-16	28-Aug-16
E-KRR-2070	Reservoir Roof Slab - Formwork	12d	05-Sep-16	24-Sep-16
E-KRR-2090	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	24-Sep-16	03-Oct-16
E-KRR-2100	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	03-Oct-16	04-Oct-16
E-KRR-2110	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	10-Oct-16	11-Oct-16
E-KRR-2140	Construct Inlet & Outlet Chambers (Valve Vault)	13d	11-Oct-16	26-Oct-16
E-KRR-2170	Deshuttering Formwork for Roof Slab	5d	27-Oct-16	02-Nov-16
Mechanical Work				



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Activity ID	Activity Name	Original Duration	Start	Finish
E-KRR-1850	Pipe Encasement - RC where needed	2d	28-Feb-16	29-Feb-16
E-KRR-2220	Install buried & Non buried steel pipes & fittings- Outlet	5d	26-Oct-16	01-Nov-16
E-KRR-2230	Install buried steel pipes & fittings - Washout	5d	01-Nov-16	07-Nov-16
E-KRR-2260	Install buried & Non buried steel pipes & fittings - Inlet	3d	07-Nov-16	10-Nov-16
E-KRR-2270	Install buried steel pipes & fittings - Overflow	3d	10-Nov-16	14-Nov-16
Electrical Work				
E-KRR-1920	Installing Earthing System	5d	27-Jun-16	09-Jul-16
E-KRR-2130	Duct Bank & manholes construction and pre-cast pullbox	16d	11-Oct-16	30-Oct-16
E-KRR-2280	Furnish and install all electrical conduit, cable, equipment, and other miscellaneous electrical elements.	5d	30-Oct-16	05-Nov-16
E-KRR-2290	Furnish and installation of RTU, RTU Panel and breaker Panel	5d	05-Nov-16	10-Nov-16
E-KRR-2300	Cables termination	6d	10-Nov-16	19-Nov-16
E-KRR-2310	Cable testing & meggaring	3d	19-Nov-16	22-Nov-16
E-KRR-2320	Install control system software	10d	22-Nov-16	04-Dec-16
E-KRR-2340	Installation of Instruments for the site and its facilities and Structures per section 13500A	6d	04-Dec-16	11-Dec-16
E-KRR-2350	SCADA head end integration and programming for the site and its facilities	7d	11-Dec-16	21-Dec-16
E-KRR-5265	Installation of Lightning Protection and Grounding System and Light Poles	10d	05-Dec-16	19-Dec-16
E-KRR-5275	Construct Bases for external power lighting	21d	09-Nov-16	05-Dec-16
Finishing Work				
E-KRR-1980	Installation of Sliding Gate as shown on detail C-118 Sheet C-DT12	1d	12-Oct-16	13-Oct-16
E-KRR-2080	Repair & applying external paint for the reservoir	14d	08-Sep-16	29-Sep-16
E-KRR-2120	Fixing Roof Ventilation	1d	11-Oct-16	12-Oct-16
E-KRR-2150	Installing Hand Rail	2d	19-Oct-16	22-Oct-16
E-KRR-2160	Fixing external ladder	1d	22-Oct-16	23-Oct-16
E-KRR-2190	Install water level indicator & Access Cover	3d	02-Nov-16	06-Nov-16
E-KRR-2200	Repair of Internal Walls	10d	02-Nov-16	14-Nov-16
E-KRR-2210	Install steel pipes inside reservoir - Outlet	5d	02-Nov-16	08-Nov-16
E-KRR-2240	Fixing internal stainless steel access ladder	1d	14-Nov-16	16-Nov-16
E-KRR-2330	Applying internal epoxy paint for the reservoir	6d	04-Dec-16	11-Dec-16
Yard work				
E-KRR-2370	Miscellaneous Excavation: Excavate to the required depth as per design drawings	6d	26-Oct-16	02-Nov-16
E-KRR-2380	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	02-Nov-16	09-Nov-16
E-KRR-2390	Compacted base course for site and access road grading, 200 mm layer	5d	09-Nov-16	16-Nov-16
E-KRR-2400	Asphalt pavement on site and access road (7 cm), ¾" asphalt mix design including MC	2d	11-Dec-16	13-Dec-16
E-KRR-2890	Construction of Curb Stone and Sidewalk	3d	16-Nov-16	20-Nov-16
Testing, Training and Commissioning				
E-KRR-2250	Initial Testing (1st Stage) for Water Tightness	15d	16-Nov-16	04-Dec-16
E-KRR-2255	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	04-Dec-16	22-Dec-16
E-KRR-2263	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	21-Dec-16	31-Dec-16
E-KRR-2267	Site inspection/ Support/ Start up	9d	31-Dec-16	15-Jan-17
E-KRR-2268	Training	7d	05-Jan-17	17-Jan-17
E-MTR-5290	O&M Technical Manuals	20d	04-Dec-16	31-Dec-16
Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)				
E-KRR-1700	Excavation to the required level for Access Road to Kufr Rai Reservoir	4d	21-May-16	24-May-16
E-KRR-1740	Exc., Bed., Install. and Backfill. 250mm Kufr Rai Outlet Pipeline from St. 0+000 to St. 0+062	2d	25-May-16	26-May-16
E-KRR-1750	Exc., Bed., Install. and Backfill. 250mm Kufr Rai Inlet Pipeline from St. 0+000 to St. 0+062	2d	25-May-16	26-May-16

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E-KRR-1760	Connection of Kufr Rai Outlet Pipeline to the existing Outlet Pipeline	2d	28-May-16	29-May-16
E-KRR-1770	Connection of Kufr Rai Inlet Pipeline to the existing Pipeline	2d	28-May-16	29-May-16
E-KRR-1780	Spreading and Compaction of 20cm Base Course for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+	3d	30-May-16	01-Jun-16
E-KRR-1790	Asphalt Wearing Course Layer 7cm for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+062 including	1d	02-Jun-16	02-Jun-16
E-KRR-1800	Road Marking for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+062	1d	04-Jun-16	04-Jun-16
Ajja Reservoir and Access Road				
Ajja Reservoir - New Construction 1000 m3 At Grade				
Traffic Control Plan and Safety				
E-AJR-1670	Implement Safety measures and Traffic Control Plan for Kafr Rai Reservoir	2d	30-Jan-16	31-Jan-16
E-AJR-1680	Maintain of Traffic Control Plan and Safety measures for Kafr Rai Reservoir	280d	01-Feb-16	25-Jan-17
Retaining Walls				
Retaining Wall from Station 01 to station 04 Length = 35 lm				
E-AJR-1700	Excavation for Foundation & Subgrade layer Compaction	4d	26-Jul-16	31-Jul-16
E-AJR-1710	Form/Steel Rebars for Foundation	8d	31-Jul-16	09-Aug-16
E-AJR-1720	Cast Concrete	1d	09-Aug-16	10-Aug-16
E-AJR-1730	Concrete Curing & Isolation	7d	10-Aug-16	18-Aug-16
E-AJR-1740	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	10-Aug-16	27-Aug-16
E-AJR-1750	Cast Reinforced Concrete for the Retaining Wall	1d	27-Aug-16	28-Aug-16
E-AJR-1760	Deshuttering & Curing	7d	28-Aug-16	05-Sep-16
E-AJR-1770	Furnish & Install Fence	2d	05-Sep-16	07-Sep-16
Retaining Wall from Station 04 to station 03 Length = 36 lm				
E-AJR-1780	Excavation for Foundation&Subgrade layer Compaction	4d	31-Jul-16	04-Aug-16
E-AJR-1790	Form/Steel Rebars for Foundation	8d	09-Aug-16	18-Aug-16
E-AJR-1800	Cast Concrete	1d	18-Aug-16	20-Aug-16
E-AJR-1810	Concrete Curing & Isolation	7d	20-Aug-16	28-Aug-16
E-AJR-1820	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	20-Aug-16	05-Sep-16
E-AJR-1830	Deshuttering & Curing For Walls	7d	06-Sep-16	19-Sep-16
E-AJR-1840	Furnish & Install Fence	2d	19-Sep-16	21-Sep-16
E-AJR-1850	Cast Reinforced Concrete for the Retaining Wall	1d	05-Sep-16	06-Sep-16
Retaining Wall from Station 02 to station 03 Length = 30 lm				
E-AJR-1860	Excavation for Foundation&Subgrade layer Compaction	4d	04-Aug-16	09-Aug-16
E-AJR-1870	Form/Steel Rebars for Foundation	8d	18-Aug-16	28-Aug-16
E-AJR-1880	Cast Concrete	1d	28-Aug-16	29-Aug-16
E-AJR-1890	Concrete Curing & Isolation	7d	29-Aug-16	06-Sep-16
E-AJR-1900	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	29-Aug-16	19-Sep-16
E-AJR-1910	Cast Reinforced Concrete for the Retaining Wall	1d	19-Sep-16	20-Sep-16
E-AJR-1920	Deshuttering & Curing For Wall	7d	20-Sep-16	28-Sep-16
E-AJR-1930	Furnish & Install Fence	2d	28-Sep-16	01-Oct-16
Retaining Wall from Station 01 to station 02 Length = 8 lm				
E-AJR-1940	Cast Concrete	1d	06-Sep-16	07-Sep-16
E-AJR-1950	Concrete Curing & Isolation	7d	07-Sep-16	20-Sep-16
E-AJR-1960	Excavation for Foundation&Subgrade layer Compaction	4d	09-Aug-16	14-Aug-16
E-AJR-1970	Form/Steel Rebars for Foundation	8d	28-Aug-16	06-Sep-16
E-AJR-1980	Cast Reinforced Concrete for the Retaining Wall	1d	28-Sep-16	29-Sep-16
E-AJR-1990	Deshuttering & Curing For Walls	7d	29-Sep-16	08-Oct-16

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E-AJR-2000	Furnish & Install Fence	2d	08-Oct-16	10-Oct-16
E-AJR-2010	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	07-Sep-16	28-Sep-16
Earth Work				
E-AJR-1410	Demolition, removal, clear and grub site	15d	30-Jan-16	15-Feb-16
E-AJR-1420	Site Grading and Preparation	12d	16-Feb-16	02-Mar-16
E-AJR-1430	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	03-Mar-16	12-Mar-16
E-AJR-1435	Soil verification report - Geotechnical report	3d	13-Mar-16	15-Mar-16
E-AJR-1440	Compacted base course for site grading, 200 mm layer	2d	22-Mar-16	23-Mar-16
E-AJR-1460	Furnishing, leveling, and compacting of subgrade layer and Excavation for piping system (Perforated, Outlet & Washout)	4d	17-Mar-16	21-Mar-16
E-AJR-1550	Digging of Inlet Outlet chamber (S-RVV01)	4d	13-Mar-16	16-Mar-16
E-AJR-1690	Construction of Lean Concrete under Reservoir	5d	20-Jul-16	26-Jul-16
Civil Work				
E-AJR-1320	Reservoir base slab - Formwork	5d	28-Jul-16	03-Aug-16
E-AJR-1330	Reservoir base slab - Place concrete (Stage 1)	1d	15-Aug-16	16-Aug-16
E-AJR-1340	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	22-Aug-16	05-Sep-16
E-AJR-1350	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	25-Aug-16	04-Sep-16
E-AJR-1360	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	05-Sep-16	06-Sep-16
E-AJR-1370	Reservoir Roof Slab - Formwork	10d	19-Sep-16	01-Oct-16
E-AJR-1380	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	01-Oct-16	10-Oct-16
E-AJR-1390	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	10-Oct-16	11-Oct-16
E-AJR-1450	Installation of perforated pipes	2d	26-Jul-16	28-Jul-16
E-AJR-1470	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	11-Oct-16	12-Oct-16
E-AJR-1540	Reservoir Walls - Place concrete (Stage 2)	1d	18-Sep-16	19-Sep-16
E-AJR-1560	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and Other Pipes)	2d	03-Aug-16	06-Aug-16
E-AJR-1570	Reservoir base slab reinforcing steel & water stop installation	8d	06-Aug-16	15-Aug-16
E-AJR-1580	Curing	7d	18-Aug-16	27-Aug-16
E-AJR-1590	Reservoir Walls - External formwork	2d	18-Aug-16	21-Aug-16
E-AJR-1600	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	04-Sep-16	18-Sep-16
E-AJR-1610	Construct Inlet & Outlet Chambers	19d	12-Oct-16	03-Nov-16
E-AJR-1630	Water proofing & backfilling	1d	27-Aug-16	28-Aug-16
E-AJR-1640	Reservoir base slab - Place concrete (Stage 2)	1d	16-Aug-16	17-Aug-16
E-AJR-1650	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	17-Aug-16	18-Aug-16
E-AJR-1660	Deshuttering Formwork for Roof Slab	4d	29-Oct-16	02-Nov-16
Mechanical Work				
E-AJR-1080	Install buried & Non buried steel pipes & fittings - Inlet	3d	16-Nov-16	20-Nov-16
E-AJR-1090	Install buried & Non buried steel pipes & fittings- Outlet	5d	03-Nov-16	09-Nov-16
E-AJR-1110	Install buried steel pipes & fittings - Washout	5d	09-Nov-16	16-Nov-16
E-AJR-1220	Install buried steel pipes & fittings - Overflow	3d	20-Nov-16	23-Nov-16
E-AJR-1400	Pipe Encasement - RC where needed	2d	22-Mar-16	23-Mar-16
Electrical Work				
E-AJR-1200	Install control system software	7d	06-Nov-16	14-Nov-16
E-AJR-1210	Install Instruments for the site and its facilities and Structures per section 13500	6d	14-Nov-16	22-Nov-16
E-AJR-1250	Installing Earthing System	5d	15-Aug-16	21-Aug-16
E-AJR-1300	Scada head end integration and programming for the site and its facilities and Structures per section 13500B	3d	22-Nov-16	26-Nov-16
E-AJR-1480	Duct Bank & manholes construction and installation of pre-cast pullbox	6d	12-Oct-16	19-Oct-16

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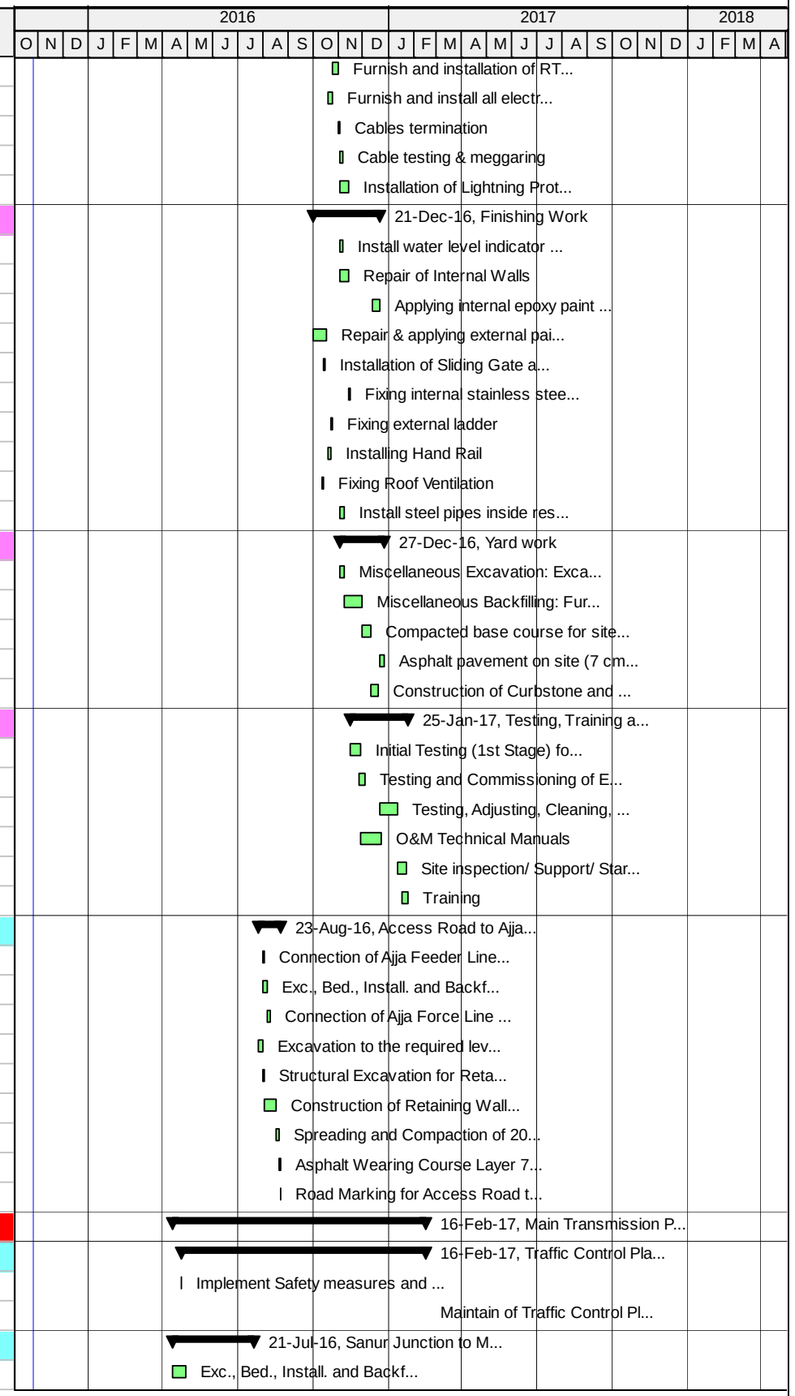
E-AJR-1500	Furnish and installation of RTU, RTU Panel and breaker Panel	5d	25-Oct-16	31-Oct-16
E-AJR-1510	Furnish and install all electrical conduit, cable, equipment, and other miscellaneous electrical elements.	5d	19-Oct-16	25-Oct-16
E-AJR-1520	Cables termination	3d	31-Oct-16	03-Nov-16
E-AJR-1530	Cable testing & meggaring	2d	03-Nov-16	06-Nov-16
E-AJR-5285	Installation of Lightning Protection and Grounding System and Light Poles	10d	02-Nov-16	14-Nov-16
Finishing Work				
E-AJR-1070	Install water level indicator & Access Cover	3d	02-Nov-16	06-Nov-16
E-AJR-1100	Repair of Internal Walls	10d	02-Nov-16	14-Nov-16
E-AJR-1120	Applying internal epoxy paint for the reservoir	6d	12-Dec-16	21-Dec-16
E-AJR-1130	Repair & applying external paint for the reservoir	14d	01-Oct-16	17-Oct-16
E-AJR-1140	Installation of Sliding Gate as shown on detail C-118 Sheet C-DT12	1d	13-Oct-16	15-Oct-16
E-AJR-1230	Fixing internal stainless steel access ladder	1d	14-Nov-16	16-Nov-16
E-AJR-1240	Fixing external ladder	1d	23-Oct-16	24-Oct-16
E-AJR-1270	Installing Hand Rail	2d	20-Oct-16	23-Oct-16
E-AJR-1280	Fixing Roof Ventilation	1d	12-Oct-16	13-Oct-16
E-AJR-1620	Install steel pipes inside reservoir - Outlet	5d	02-Nov-16	08-Nov-16
Yard work				
E-AJR-1150	Miscellaneous Excavation: Excavate to the required depth as per design drawings	5d	03-Nov-16	09-Nov-16
E-AJR-1160	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	16d	09-Nov-16	29-Nov-16
E-AJR-1170	Compacted base course for site grading, 200 mm layer	10d	29-Nov-16	11-Dec-16
E-AJR-1180	Asphalt pavement on site (7 cm), ¾ asphalt mix design including MC	4d	21-Dec-16	27-Dec-16
E-AJR-2020	Construction of Curbstone and Side walk	5d	11-Dec-16	19-Dec-16
Testing, Training and Commissioning				
E-AJR-3000	Initial Testing (1st Stage) for Water Tightness	10d	16-Nov-16	28-Nov-16
E-AJR-3005	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	26-Nov-16	04-Dec-16
E-AJR-3010	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	21-Dec-16	12-Jan-17
E-AJR-3015	O&M Technical Manuals	20d	28-Nov-16	24-Dec-16
E-AJR-3025	Site inspection/ Support/ Start up	9d	12-Jan-17	23-Jan-17
E-AJR-3030	Training	7d	17-Jan-17	25-Jan-17
Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)				
E-AAT-1210	Connection of Ajja Feeder Line to Reservoir	2d	31-Jul-16	02-Aug-16
E-AJP-1172	Exc., Bed., Install. and Backfill. 200mm Ajja Force and Feeder Line from St. 0+000 to St. 0+440 (Double)	6d	31-Jul-16	07-Aug-16
E-AJP-1175	Connection of Ajja Force Line to Reservoir	2d	07-Aug-16	09-Aug-16
E-AJR-1000	Excavation to the required level for Access Road to Ajja Reservoir	4d	26-Jul-16	31-Jul-16
E-AJR-1010	Structural Excavation for Retaining Wall from Station 0+180 to Station 0+190	3d	31-Jul-16	03-Aug-16
E-AJR-1030	Construction of Retaining Wall from Station 0+180 to Station 0+190	12d	03-Aug-16	17-Aug-16
E-AJR-1040	Spreading and Compaction of 20cm Base Course for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238	3d	17-Aug-16	21-Aug-16
E-AJR-1050	Asphalt Wearing Course Layer 7cm for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238 including MC	1d	21-Aug-16	22-Aug-16
E-AJR-1060	Road Marking for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238	1d	22-Aug-16	23-Aug-16
Main Transmission Pipe lines				
Traffic Control Plan and Safety				
SWJ-TCP-1360	Implement Safety measures and Traffic Control Plan for Zone 03	2d	23-Apr-16	24-Apr-16
SWJ-TCP-1370	Maintain of Traffic Control Plan and Safety measures for Zone 03	226d	25-Apr-16	16-Feb-17
Sanur Junction to Maythaloun Well Main Transmission Pipeline (250mm x 3.7 km)				
E-SMT-1000	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+200	15d	12-Apr-16	28-Apr-16



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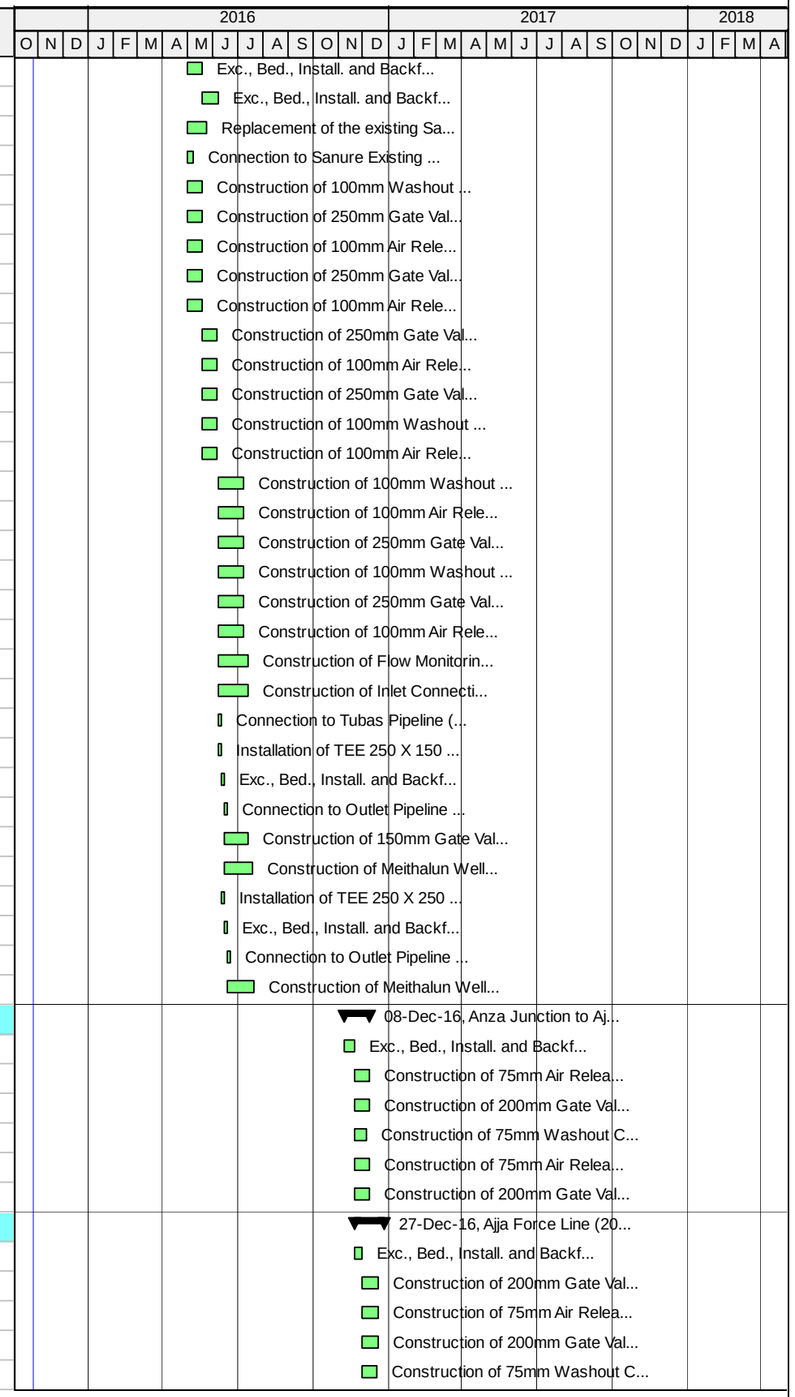
Activity ID	Activity Name	Original Duration	Start	Finish
E-SMT-1010	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 1+200 to St.2+400	15d	30-Apr-16	18-May-16
E-SMT-1030	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St.2+400 to St.3+699	16d	19-May-16	08-Jun-16
E-SMT-1035	Replacement of the existing Sanur Connection Chamber (CHD-103)	20d	30-Apr-16	24-May-16
E-SMT-1045	Connection to Sanure Existing Pipe	5d	30-Apr-16	07-May-16
E-SMT-1055	Construction of 100mm Washout Chamber at station 0+010 0on 250mm pipe	15d	30-Apr-16	18-May-16
E-SMT-1065	Construction of 250mm Gate Valve Chamber at Station 0+500	15d	30-Apr-16	18-May-16
E-SMT-1075	Construction of 100mm Air Release Valve Chamber at station 0+770 on 250mm pipe	15d	30-Apr-16	18-May-16
E-SMT-1085	Construction of 250mm Gate Valve Chamber at Station 1+000	15d	30-Apr-16	18-May-16
E-SMT-1095	Construction of 100mm Air Release Valve Chamber at station 1+190 on 250mm pipe	15d	30-Apr-16	18-May-16
E-SMT-1105	Construction of 250mm Gate Valve Chamber at Station 1+500	15d	19-May-16	06-Jun-16
E-SMT-1115	Construction of 100mm Air Release Valve Chamber at station 1+618 on 250mm pipe	15d	19-May-16	06-Jun-16
E-SMT-1125	Construction of 250mm Gate Valve Chamber at Station 2+000	15d	19-May-16	06-Jun-16
E-SMT-1135	Construction of 100mm Washout Chamber at station 2+100 on 250mm pipe	15d	19-May-16	06-Jun-16
E-SMT-1145	Construction of 100mm Air Release Valve Chamber at station 2+375 on 250mm pipe	15d	19-May-16	06-Jun-16
E-SMT-1155	Construction of 100mm Washout Chamber at station 2+545 on 250mm pipe	15d	08-Jun-16	09-Jul-16
E-SMT-1165	Construction of 100mm Air Release Valve Chamber at station 2+850 on 250mm pipe	15d	08-Jun-16	09-Jul-16
E-SMT-1175	Construction of 250mm Gate Valve Chamber at Station 3+000	15d	08-Jun-16	09-Jul-16
E-SMT-1185	Construction of 100mm Washout Chamber at station 3+298 on 250mm pipe	15d	08-Jun-16	09-Jul-16
E-SMT-1195	Construction of 250mm Gate Valve Chamber at Station 3+480	15d	08-Jun-16	09-Jul-16
E-SMT-1205	Construction of 100mm Air Release Valve Chamber at station 3+514 on 250mm pipe	15d	08-Jun-16	09-Jul-16
E-SMT-1215	Construction of Flow Monitoring Chamber at Station 3+620 (M-VCFM)	20d	08-Jun-16	14-Jul-16
E-SMT-1225	Construction of Inlet Connection Chamber at Station 3+680 (CHD - 105)	20d	08-Jun-16	14-Jul-16
E-SMT-1235	Connection to Tubas Pipeline (TEE 150 X 150 X 150)	2d	08-Jun-16	12-Jun-16
E-SMT-1242	Installation of TEE 250 X 150 X 250	2d	08-Jun-16	12-Jun-16
E-SMT-1245	Exc., Bed., Install. and Backfill. 150mm Pipe from Connection Outlet pipe (Booster Station) to TEE (0+000 to 0+085)	2d	12-Jun-16	15-Jun-16
E-SMT-1250	Connection to Outlet Pipeline from Booster Station	2d	15-Jun-16	19-Jun-16
E-SMT-1255	Construction of 150mm Gate Valve Chamber on the existing pipeline (C-530)	15d	15-Jun-16	13-Jul-16
E-SMT-1260	Construction of Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	20d	15-Jun-16	19-Jul-16
E-SMT-1265	Installation of TEE 250 X 250 X 250	2d	12-Jun-16	15-Jun-16
E-SMT-1270	Exc., Bed., Install. and Backfill. 250mm Pipe from TEE to Connection Outlet pipe (Booster Station) (0+000 to 0+134)	2d	15-Jun-16	19-Jun-16
E-SMT-1272	Connection to Outlet Pipeline from Booster Station	2d	19-Jun-16	22-Jun-16
E-SMT-1275	Construction of Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	20d	19-Jun-16	21-Jul-16
Anza Junction to Ajja Reservoir Transmission (Ajja Feeder Pipeline) (200mm x 1.1 km)				
E-AAT-1000	Exc., Bed., Install. and Backfill. 200mm Ajja Feeder Pipeline from St. 0+440 to St. 1+259	10d	08-Nov-16	21-Nov-16
E-AAT-1010	Construction of 75mm Air Release Valve Chamber at Station 0+500 on 200mm pipe	15d	21-Nov-16	08-Dec-16
E-AAT-1020	Construction of 200mm Gate Valve Chamber at Station 0+520	15d	21-Nov-16	08-Dec-16
E-AAT-1030	Construction of 75mm Washout Chamber at station 0+700 on 200mm pipe	13d	21-Nov-16	06-Dec-16
E-AAT-1040	Construction of 75mm Air Release Valve Chamber at Station 0+915 on 200mm pipe	15d	21-Nov-16	08-Dec-16
E-AAT-1050	Construction of 200mm Gate Valve Chamber at Station 1+255	15d	21-Nov-16	08-Dec-16
Ajja Force Line (200mm x 1.2 km)				
E-AJP-1170	Exc., Bed., Install. and Backfill. 200mm Ajja Force Line from St. 0+440 to St. 1+033 and St. 1+065 to St. 1+104)	8d	21-Nov-16	30-Nov-16
E-AJP-1190	Construction of 200mm Gate Valve Chamber at Station 0+500	15d	30-Nov-16	20-Dec-16
E-AJP-1200	Construction of 75mm Air Release Valve Chamber at Station 0+560 on 200mm pipe	15d	30-Nov-16	20-Dec-16
E-AJP-1210	Construction of 200mm Gate Valve Chamber at Station 1+000	15d	30-Nov-16	20-Dec-16
E-AJP-1220	Construction of 75mm Washout Chamber at station 1+065 on 200mm pipe	13d	30-Nov-16	18-Dec-16



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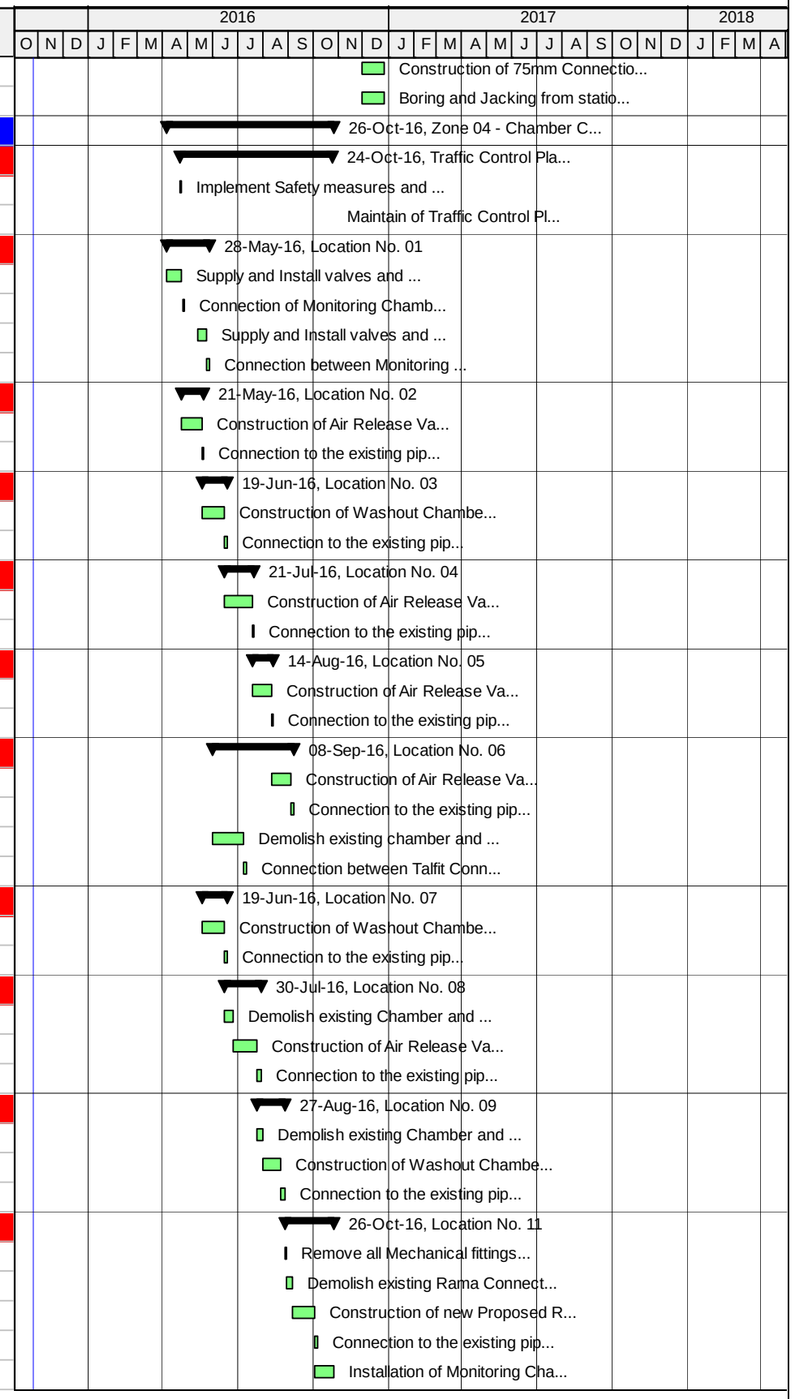
Activity ID	Activity Name	Original Duration	Start	Finish
E-AJP-1230	Construction of 75mm Connection Chamber at Station 1+095 (CHD-131) (Ajja Connection)	20d	30-Nov-16	27-Dec-16
E-AJP-1240	Boring and Jacking from station 1+033 to station 1+065 as per detail C-204/C-DT20	20d	30-Nov-16	27-Dec-16
Zone 04 - Chamber Construction, Replacement, and Rehabilitation				
Traffic Control Plan and Safety				
E-KRR-5285	Implement Safety measures and Traffic Control Plan for Zone 4	2d	21-Apr-16	23-Apr-16
E-KRR-5295	Maintain of Traffic Control Plan and Safety measures for Zone 4	139d	24-Apr-16	24-Oct-16
Location No. 01				
E-SWJ-1000	Supply and Install valves and fitting in the existing Monitoring Chamber (1) as per detail M-VCFM	15d	06-Apr-16	23-Apr-16
E-SWJ-1010	Connection of Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	3d	25-Apr-16	27-Apr-16
E-SWJ-1020	Supply and Install valves and fitting in the existing Raba Service Connection Chamber as per detail CHD-241	10d	14-May-16	24-May-16
E-SWJ-1030	Connection between Monitoring Chamber (1) and Raba Service Connection Chamber	3d	25-May-16	28-May-16
Location No. 02				
E-SWJ-1040	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	24-Apr-16	18-May-16
E-SWJ-1050	Connection to the existing pipeline	2d	19-May-16	21-May-16
Location No. 03				
E-SWJ-1060	Construction of Washout Chamber as per detail C-503A/C-DT60	20d	19-May-16	15-Jun-16
E-SWJ-1070	Connection to the existing pipeline	2d	15-Jun-16	19-Jun-16
Location No. 04				
E-SWJ-1080	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	15-Jun-16	19-Jul-16
E-SWJ-1090	Connection to the existing pipeline	2d	19-Jul-16	21-Jul-16
Location No. 05				
E-SWJ-1100	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	19-Jul-16	11-Aug-16
E-SWJ-1110	Connection to the existing pipeline	2d	11-Aug-16	14-Aug-16
Location No. 06				
E-SWJ-1140	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	11-Aug-16	04-Sep-16
E-SWJ-1150	Connection to the existing pipeline	4d	04-Sep-16	08-Sep-16
E-SWJ-1160	Demolish existing chamber and Construction of Talfit Connection Chamber as per detail CHD-242	20d	01-Jun-16	09-Jul-16
E-SWJ-1170	Connection between Talfit Connection Chamber and existing Pipeline	3d	09-Jul-16	12-Jul-16
Location No. 07				
E-SWJ-1120	Construction of Washout Chamber as per detail C-503A/C-DT60	20d	19-May-16	15-Jun-16
E-SWJ-1130	Connection to the existing pipeline	2d	15-Jun-16	19-Jun-16
Location No. 08				
E-SWJ-1175	Demolish existing Chamber and associated piping and fittings	5d	15-Jun-16	25-Jun-16
E-SWJ-1180	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	25-Jun-16	25-Jul-16
E-SWJ-1190	Connection to the existing pipeline	4d	25-Jul-16	30-Jul-16
Location No. 09				
E-SWJ-1200	Demolish existing Chamber and associated piping and fittings	5d	25-Jul-16	31-Jul-16
E-SWJ-1210	Construction of Washout Chamber as per detail C-503/C-DT60	20d	31-Jul-16	23-Aug-16
E-SWJ-1220	Connection to the existing pipeline	3d	23-Aug-16	27-Aug-16
Location No. 11				
E-SWJ-1225	Remove all Mechanical fittings and Replace with pipe spool	3d	27-Aug-16	30-Aug-16
E-SWJ-1230	Demolish existing Rama Connection Chamber to surface level	5d	30-Aug-16	05-Sep-16
E-SWJ-1240	Construction of new Proposed Rama Connection Chamber as per detail CHD-242	20d	05-Sep-16	03-Oct-16
E-SWJ-1250	Connection to the existing pipeline	3d	03-Oct-16	06-Oct-16
E-SWJ-1260	Installation of Monitoring Chamber (2) as per detail M-VCFM	20d	03-Oct-16	26-Oct-16



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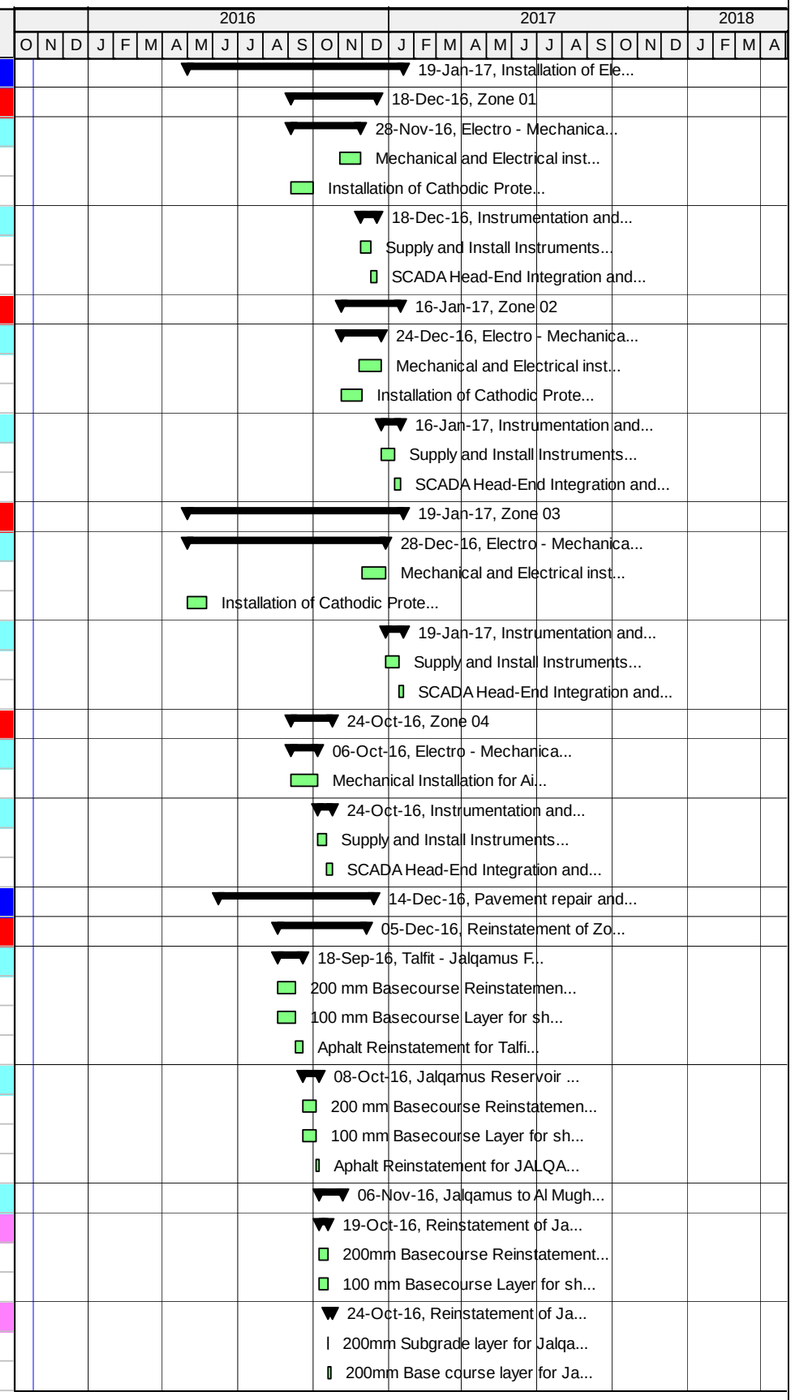
Activity ID	Activity Name	Original Duration	Start	Finish
Installation of Electro - Mechanical Component				
Zone 01				
Electro - Mechanical work - Zone 01				
SWJ-2000	Mechanical and Electrical installation Zone 1	21d	02-Nov-16	28-Nov-16
SWJ-2020	Installation of Cathodic Protection system - Anode and Test Station for Zone 1	20d	04-Sep-16	02-Oct-16
Instrumentation and SCADA Programming - Zone 01				
SWJ-2030	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 1	10d	28-Nov-16	10-Dec-16
SWJ-2040	SCADA Head-End Integration and Programming - Zone 1	5d	10-Dec-16	18-Dec-16
Zone 02				
Electro - Mechanical work - Zone 02				
SWJ-2050	Mechanical and Electrical installation Zone 02	21d	27-Nov-16	24-Dec-16
SWJ-2060	Installation of Cathodic Protection system - Anode and Test Station for Zone 02	20d	05-Nov-16	29-Nov-16
Instrumentation and SCADA Programming - Zone 02				
SWJ-2070	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 02	10d	24-Dec-16	08-Jan-17
SWJ-2080	SCADA Head-End Integration and Programming - Zone 02	5d	08-Jan-17	16-Jan-17
Zone 03				
Electro - Mechanical work - Zone 03				
SWJ-2090	Mechanical and Electrical installation Zone 03	21d	30-Nov-16	28-Dec-16
SWJ-2100	Installation of Cathodic Protection system - Anode and Test Station for Zone 03	20d	30-Apr-16	24-May-16
Instrumentation and SCADA Programming - Zone 03				
SWJ-2110	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 03	10d	28-Dec-16	14-Jan-17
SWJ-2120	SCADA Head-End Integration and Programming - Zone 03	5d	14-Jan-17	19-Jan-17
Zone 04				
Electro - Mechanical work - Zone 04				
SWJ-2130	Mechanical Installation for Air Valves and Washouts chambers - Zone 04	24d	04-Sep-16	06-Oct-16
Instrumentation and SCADA Programming - Zone 04				
SWJ-2150	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 04	10d	06-Oct-16	18-Oct-16
SWJ-2160	SCADA Head-End Integration and Programming - Zone 04	5d	18-Oct-16	24-Oct-16
Pavement repair and reinstatement				
Reinstatement of Zone 01				
Talfit - Jalqamus Force line (Talfit Junction to Jalqamus Reservoir)				
E-TJT-1120	200 mm Basecourse Reinstatement over trench for Talfit - Jalqamus line from St. 0+000 to St.2+140	19d	18-Aug-16	10-Sep-16
E-TJT-1125	100 mm Basecourse Layer for shoulder width for Talfit - Jalqamus line from St. 0+000 to St.2+140	19d	18-Aug-16	10-Sep-16
E-TJT-1130	Aphalt Reinstatement for Talfit - Jalqamus St. 0+000 to St. 0+010,	3d	10-Sep-16	18-Sep-16
Jalqamus Reservoir to Umatut Force Line (Jalqamus Junction) (150mm x 1.8 km)				
E-JLT-1100	200 mm Basecourse Reinstatement over trench for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	14d	18-Sep-16	04-Oct-16
E-JLT-1120	100 mm Basecourse Layer for shoulder width for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	14d	18-Sep-16	04-Oct-16
E-JLT-1130	Aphalt Reinstatement for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	3d	04-Oct-16	08-Oct-16
Jalqamus to Al Mughayyir Force Line				
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 0+000 to St. 1+500				
E-JMT-1140	200mm Basecourse Reinstatement over trench for Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.1+500	10d	08-Oct-16	19-Oct-16
E-JMT-1165	100 mm Basecourse Layer for shoulder width of Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.1+500	10d	08-Oct-16	19-Oct-16
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770				
E-JMT-1150	200mm Subgrade layer for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770	1d	19-Oct-16	20-Oct-16
E-JMT-1175	200mm Base course layer for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770	2d	20-Oct-16	23-Oct-16



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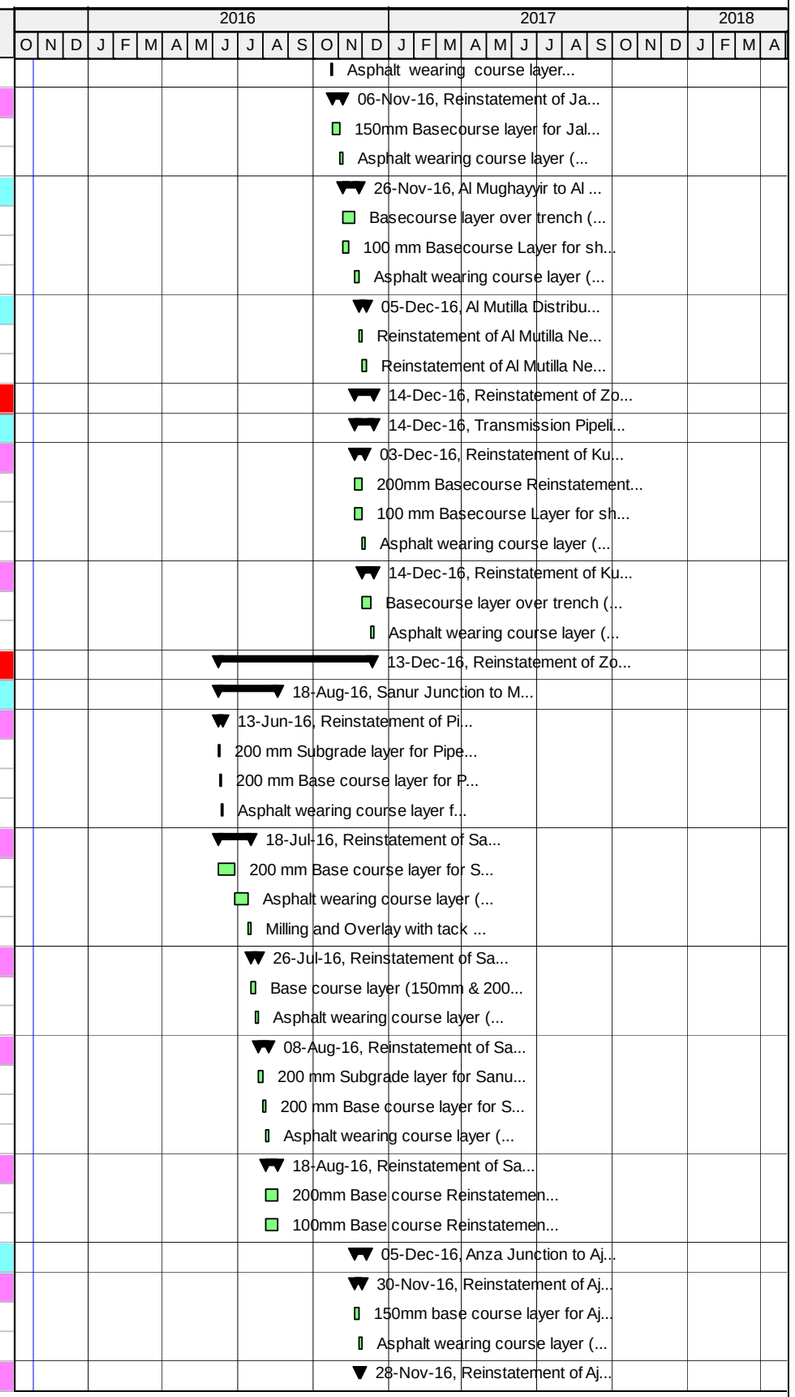
Activity ID	Activity Name	Original Duration	Start	Finish
E-JMT-1185	Asphalt wearing course layer (5 cm) for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770 include MC	1d	23-Oct-16	24-Oct-16
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 1+770 to St. 2+772				
E-JMT-1155	150mm Basecourse layer for Jalqamus to Al Mughayyir pipeline from St.1+770 to St.2+772	9d	24-Oct-16	03-Nov-16
E-JMT-1195	Asphalt wearing course layer (6 cm) for Jalqamus to Al Mughayyir pipeline from St.1+770 to St.2+772 include MC	2d	03-Nov-16	06-Nov-16
Al Mughayyir to Al Mutilla Force Line (Al Mutilla Booster Station to Al Mutilla Reservoir)				
E-MTT-1220	Basecourse layer over trench (200mm and 150mm) for Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680	12d	06-Nov-16	21-Nov-16
E-MTT-1230	100 mm Basecourse Layer for shoulder width of Al Mughayyir to Al Mutilla Force Line from St. 0+100 to St. 0+980	6d	06-Nov-16	13-Nov-16
E-MTT-1240	Asphalt wearing course layer (6 cm) for Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680 include MC	4d	21-Nov-16	26-Nov-16
Al Mutilla Distribution Network				
E-MTN-1110	Reinstatement of Al Mutilla Network - from Al Mutilla Elevated Reservoir (260 m)	3d	26-Nov-16	29-Nov-16
E-MTN-1120	Reinstatement of Al Mutilla Network - Branches from 75 mm pipe (320 m)	5d	29-Nov-16	05-Dec-16
Reinstatement of Zone 02				
Transmission Pipeline - Yabad Junction to Kuferit Reservoir				
Reinstatement of Kuferit Force Line from St. 0+000 to St. 1+210				
E-YKT-1180	200mm Basecourse Reinstatement over trench for Kuferit Force Line from St. 0+000 to St. 1+210	8d	21-Nov-16	30-Nov-16
E-YKT-1200	100 mm Basecourse Layer for shoulder width of Kuferit Force Line from St. 0+030 to St. 1+210	8d	21-Nov-16	30-Nov-16
E-YKT-1210	Asphalt wearing course layer (5 cm) for Kuferit Force Line from St. 0+000 to St. 0+030 (execluding BC)	2d	30-Nov-16	03-Dec-16
Reinstatement of Kuferit Force Line from St. 1+210 to St. 2+300				
E-YKT-1190	Basecourse layer over trench (200mm & 150mm) for Kuferit Force Line from St. 1+210 to St. 2+300	8d	30-Nov-16	10-Dec-16
E-YKT-1220	Asphalt wearing course layer (5 cm) for Kuferit Force Line from St. 1+210 to St. 2+300 including MC	4d	10-Dec-16	14-Dec-16
Reinstatement of Zone 03				
Sanur Junction to Maythaloun Well Main Transmission Pipeline (250mm x 3.7 km)				
Reinstatement of Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085				
E-SMT-1283	200 mm Subgrade layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085	1d	08-Jun-16	09-Jun-16
E-SMT-1585	200 mm Base course layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085	1d	09-Jun-16	12-Jun-16
E-SMT-1595	Asphalt wearing course layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085 including MC	1d	12-Jun-16	13-Jun-16
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600				
E-SMT-1285	200 mm Base course layer for Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600	11d	08-Jun-16	28-Jun-16
E-SMT-1605	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600	8d	28-Jun-16	13-Jul-16
E-SMT-1615	Milling and Overlay with tack coat (RC) and new 40 mm Ac surface layer for SMT from St. 0+000 to St.1+600	4d	13-Jul-16	18-Jul-16
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080				
E-SMT-1305	Base course layer (150mm & 200mm) for Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080	4d	18-Jul-16	23-Jul-16
E-SMT-1625	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080	3d	23-Jul-16	26-Jul-16
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840				
E-SMT-1315	200 mm Subgrade layer for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	4d	26-Jul-16	31-Jul-16
E-SMT-1635	200 mm Base course layer for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	4d	31-Jul-16	04-Aug-16
E-SMT-1645	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	3d	04-Aug-16	08-Aug-16
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647				
E-SMT-1575	200mm Base course Reinstatement over trench of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647	12d	04-Aug-16	18-Aug-16
E-SMT-1655	100mm Base course Reinstatement for shoulder of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647	12d	04-Aug-16	18-Aug-16
Anza Junction to Ajja Reservoir Transmission (Ajja Feeder Pipeline) (200mm x 1.1 km)				
Reinstatement of Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845				
E-AAT-1220	150mm base course layer for Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845	4d	21-Nov-16	26-Nov-16
E-AAT-1250	Asphalt wearing course layer (6 cm) for Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845	4d	26-Nov-16	30-Nov-16
Reinstatement of Ajja Feeder Pipeline from St. 0+550 to St. 0+635				



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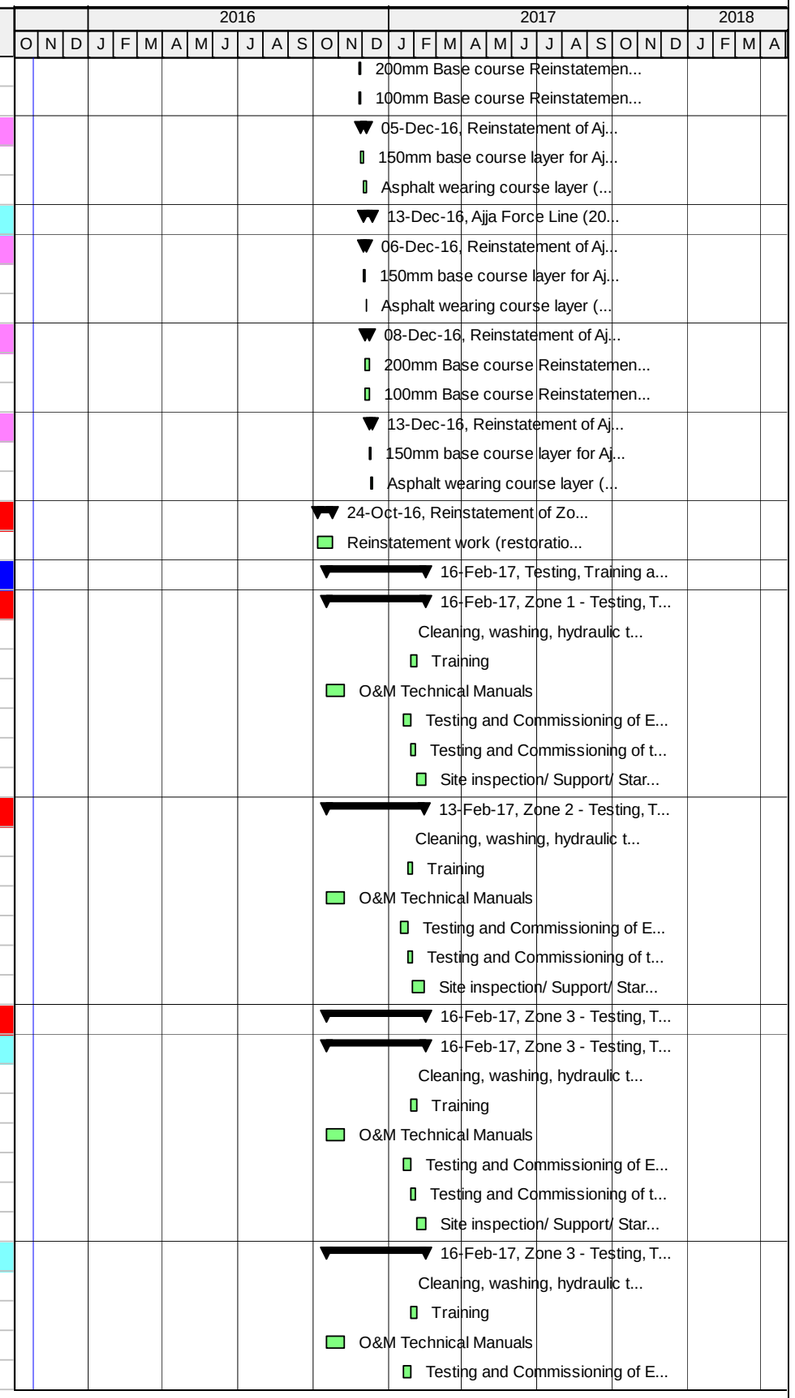
Activity ID	Activity Name	Original Duration	Start	Finish
E-AAT-1230	200mm Base course Reinstatement over trench of Ajja Feeder Pipeline from St. 0+550 to St. 0+635	2d	26-Nov-16	28-Nov-16
E-AAT-1260	100mm Base course Reinstatement for shoulder of Ajja Feeder Pipeline from St. 0+550 to St. 0+635	2d	26-Nov-16	28-Nov-16
Reinstatement of Ajja Feeder Pipeline from St. 0+845 to St. 1+259				
E-AAT-1240	150mm base course layer for Ajja Feeder Pipeline from St. 0+845 to St. 1+259	3d	28-Nov-16	01-Dec-16
E-AAT-1270	Asphalt wearing course layer (6 cm) for Ajja Feeder Pipeline from St. 0+845 to St. 1+259	3d	01-Dec-16	05-Dec-16
Ajja Force Line (200mm x 1.2 km)				
Reinstatement of Ajja Force Line from St. 0+235 to St. 0+550				
E-AJP-1250	150mm base course layer for Ajja Force Line from St. 0+235 to St. 0+550	2d	01-Dec-16	04-Dec-16
E-AJP-1280	Asphalt wearing course layer (6 cm) for Ajja Force Line from St. 0+235 to St. 0+550	1d	05-Dec-16	06-Dec-16
Reinstatement of Ajja Force Line from St. 0+550 to St. 1+000				
E-AJP-1260	200mm Base course Reinstatement over trench of Ajja Force Line from St. 0+550 to St. 1+000	4d	04-Dec-16	08-Dec-16
E-AJP-1290	100mm Base course Reinstatement for shoulder of Ajja Force Line from St. 0+550 to St. 1+000	4d	04-Dec-16	08-Dec-16
Reinstatement of Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104				
E-AJP-1270	150mm base course layer for Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104	2d	08-Dec-16	11-Dec-16
E-AJP-1300	Asphalt wearing course layer (6 cm) for Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104	2d	11-Dec-16	13-Dec-16
Reinstatement of Zone 04				
E-AJP-1310	Reinstatement work (restoration) for zone 4	15d	06-Oct-16	24-Oct-16
Testing, Training and Commissioning				
Zone 1 - Testing, Training and Commissioning				
SWJ-1000	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	38d	28-Nov-16	19-Jan-17
SWJ-1010	Training	6d	28-Jan-17	04-Feb-17
SWJ-1020	O&M Technical Manuals	20d	17-Oct-16	08-Nov-16
SWJ-1040	Testing and Commissioning of Electrical and Control System and Equipment	7d	19-Jan-17	28-Jan-17
SWJ-1050	Testing and Commissioning of the entire system	5d	28-Jan-17	02-Feb-17
SWJ-1060	Site inspection/ Support/ Start up	8d	04-Feb-17	16-Feb-17
Zone 2 - Testing, Training and Commissioning				
SWJ-2170	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	24-Dec-16	16-Jan-17
SWJ-2180	Training	6d	24-Jan-17	31-Jan-17
SWJ-2190	O&M Technical Manuals	20d	17-Oct-16	08-Nov-16
SWJ-2200	Testing and Commissioning of Electrical and Control System and Equipment	7d	16-Jan-17	24-Jan-17
SWJ-2210	Testing and Commissioning of the entire system	5d	24-Jan-17	30-Jan-17
SWJ-2220	Site inspection/ Support/ Start up	8d	31-Jan-17	13-Feb-17
Zone 3 - Testing, Training and Commissioning				
Zone 3 - Testing, Training and Commissioning - SMT				
SWJ-2230	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	28-Dec-16	19-Jan-17
SWJ-2240	Training	6d	28-Jan-17	04-Feb-17
SWJ-2250	O&M Technical Manuals	20d	17-Oct-16	08-Nov-16
SWJ-2260	Testing and Commissioning of Electrical and Control System and Equipment	7d	19-Jan-17	28-Jan-17
SWJ-2270	Testing and Commissioning of the entire system	5d	28-Jan-17	02-Feb-17
SWJ-2280	Site inspection/ Support/ Start up	8d	04-Feb-17	16-Feb-17
Zone 3 - Testing, Training and Commissioning - AJP				
SWJ-2350	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	28-Dec-16	19-Jan-17
SWJ-2360	Training	6d	28-Jan-17	04-Feb-17
SWJ-2370	O&M Technical Manuals	20d	17-Oct-16	08-Nov-16
SWJ-2380	Testing and Commissioning of Electrical and Control System and Equipment	7d	19-Jan-17	28-Jan-17



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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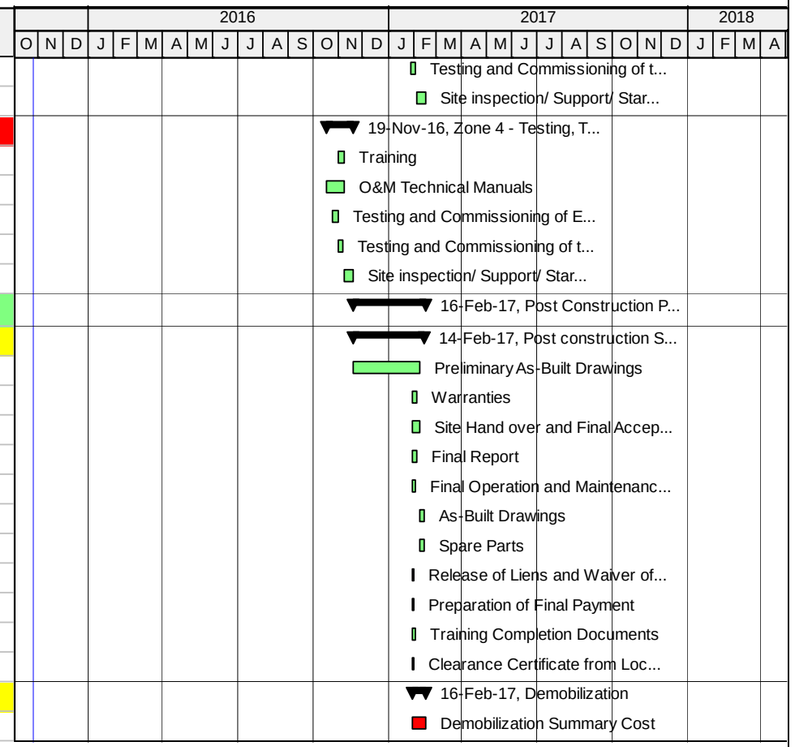
TO 15-10 SWJ - Original Baseline Schedule - Southwest Jenin Water Project

13-Feb-16 21:22

Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-2390	Testing and Commissioning of the entire system	5d	28-Jan-17	02-Feb-17
SWJ-2400	Site inspection/ Support/ Start up	8d	04-Feb-17	16-Feb-17
Zone 4 - Testing, Training and Commissioning				
SWJ-2300	Training	6d	01-Nov-16	08-Nov-16
SWJ-2310	O&M Technical Manuals	20d	17-Oct-16	08-Nov-16
SWJ-2320	Testing and Commissioning of Electrical and Control System and Equipment	7d	24-Oct-16	01-Nov-16
SWJ-2330	Testing and Commissioning of the entire system	5d	01-Nov-16	07-Nov-16
SWJ-2340	Site inspection/ Support/ Start up	8d	09-Nov-16	19-Nov-16
Post Construction Phase				
Post construction Submittals				
SWJ-PCS-1000	Preliminary As-Built Drawings	60d	19-Nov-16	08-Feb-17
SWJ-PCS-1020	Warranties	5d	30-Jan-17	04-Feb-17
SWJ-PCS-1030	Site Hand over and Final Acceptence Certificate	6d	30-Jan-17	08-Feb-17
SWJ-PCS-1040	Final Report	5d	30-Jan-17	04-Feb-17
SWJ-PCS-1050	Final Operation and Maintenance O&M Manual	4d	30-Jan-17	02-Feb-17
SWJ-PCS-1060	As-Built Drawings	5d	08-Feb-17	14-Feb-17
SWJ-PCS-1070	Spare Parts	5d	08-Feb-17	14-Feb-17
SWJ-PCS-1080	Release of Liens and Waiver of Debts and Claims letter	3d	30-Jan-17	01-Feb-17
SWJ-PCS-1090	Preparation of Final Payment	3d	30-Jan-17	01-Feb-17
SWJ-PCS-1100	Training Completion Documents	4d	30-Jan-17	02-Feb-17
SWJ-PCS-1110	Clearance Certificate from Local Authorities	3d	30-Jan-17	01-Feb-17
Demobilization				
A2090	Demobilization Summary Cost	13d	30-Jan-17	16-Feb-17



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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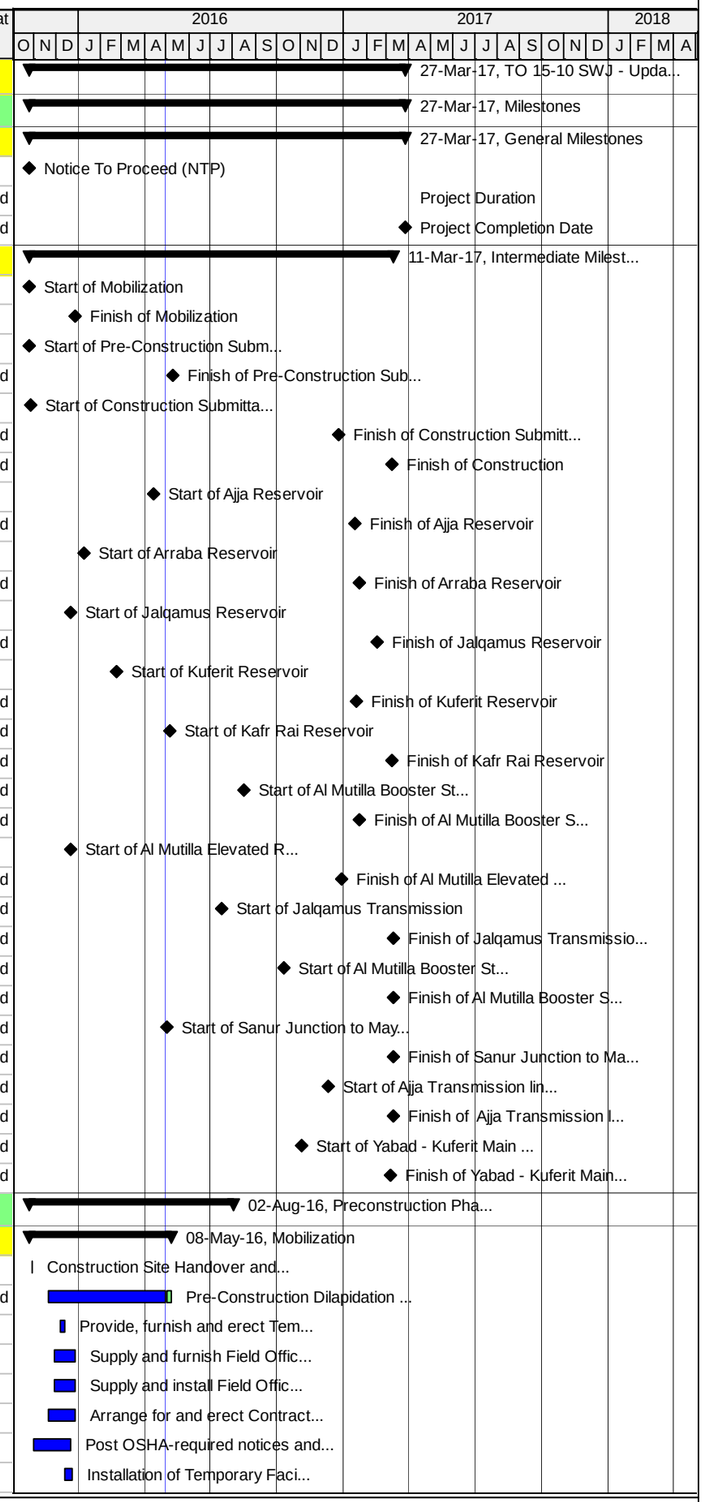
Annex C – Updated April 2016 Time Schedule

TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

30-Apr-16 11:38

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project					
Milestones					
General Milestones					
A-1000	Notice To Proceed (NTP)	0d	26-Oct-15 A		
A-1010	Project Duration	316d	26-Oct-15 A	27-Mar-17	-33d
A-1020	Project Completion Date	0d		27-Mar-17*	-39d
Intermediate Milestones					
AI-1000	Start of Mobilization	0d	26-Oct-15 A		
AI-1010	Finish of Mobilization	0d		28-Dec-15	
AI-1020	Start of Pre-Construction Submittals	0d	26-Oct-15 A		
AI-1030	Finish of Pre-Construction Submittals	0d		11-May-16	214d
AI-1040	Start of Construction Submittals	0d	27-Oct-15 A		
AI-1050	Finish of Construction Submittals	0d		24-Dec-16	39d
AI-1060	Finish of Construction	0d		08-Mar-17	-33d
AI-AJR-1090	Start of Ajja Reservoir	0d	13-Apr-16 A		
AI-AJR-1100	Finish of Ajja Reservoir	0d		15-Jan-17	9d
AI-ARR-1000	Start of Arraba Reservoir	0d	10-Jan-16 A		
AI-ARR-1030	Finish of Arraba Reservoir	0d		23-Jan-17	18d
AI-JLR-1070	Start of Jalqamus Reservoir	0d	22-Dec-15		
AI-JLR-1080	Finish of Jalqamus Reservoir	0d		15-Feb-17	-15d
AI-KFR-1070	Start of Kuferit Reservoir	0d	23-Feb-16 A		
AI-KFR-1080	Finish of Kuferit Reservoir	0d		17-Jan-17	7d
AI-KRR-1110	Start of Kafr Rai Reservoir	0d	07-May-16		141d
AI-KRR-1120	Finish of Kafr Rai Reservoir	0d		08-Mar-17	-33d
AI-MTB-1070	Start of Al Mutilla Booster Station	0d	15-Aug-16		28d
AI-MTB-1080	Finish of Al Mutilla Booster Station	0d		22-Jan-17	3d
AI-MTR-1050	Start of Al Mutilla Elevated Reservoir	0d	21-Dec-15		
AI-MTR-1060	Finish of Al Mutilla Elevated Reservoir	0d		29-Dec-16	-30d
AI-MTR-1070	Start of Jalqamus Transmission	0d	17-Jul-16		167d
AI-MTR-1080	Finish of Jalqamus Transmission	0d		11-Mar-17	-19d
AI-MTR-1090	Start of Al Mutilla Booster Station to Al Mutilla Reservoir	0d	10-Oct-16		27d
AI-MTR-1100	Finish of Al Mutilla Booster Station to Al Mutilla Reservoir	0d		11-Mar-17	-19d
AI-MTR-1110	Start of Sanur Junction to Maythaloun Well	0d	03-May-16		-4d
AI-MTR-1120	Finish of Sanur Junction to Maythaloun Well	0d		11-Mar-17	-19d
AI-MTR-1130	Start of Ajja Transmission line	0d	10-Dec-16		-19d
AI-MTR-1140	Finish of Ajja Transmission line	0d		11-Mar-17	-19d
AI-MTR-1150	Start of Yabad - Kuferit Main Transmission line	0d	03-Nov-16		-2d
AI-MTR-1160	Finish of Yabad - Kuferit Main Transmission line	0d		07-Mar-17	-16d
Preconstruction Phase					
Mobilization					
SWJ - MOB-0999	Construction Site Handover and Receive Conformed Drawings	1d	29-Oct-15 A	29-Oct-15 A	
SWJ - MOB-1000	Pre-Construction Dilapidation Survey	15d	22-Nov-15	08-May-16	214d
SWJ - MOB-1010	Provide, furnish and erect Temporary Project Signs	2d	08-Dec-15	14-Dec-15	
SWJ - MOB-1020	Supply and furnish Field Office Furniture and Miscellaneous	2d	29-Nov-15	28-Dec-15	
SWJ - MOB-1030	Supply and install Field Office Computer Systems and IT Equipments	5d	29-Nov-15	28-Dec-15	
SWJ - MOB-1040	Arrange for and erect Contractor's work and Storage Yards	2d	22-Nov-15	28-Dec-15	
SWJ - MOB-1060	Post OSHA-required notices and establish safety programs	2d	01-Nov-15	22-Dec-15	
SWJ - MOB-1070	Installation of Temporary Facilities as per section 01500	3d	13-Dec-15	24-Dec-15	



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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
SWJ - MOB-1075	Survey Work	15d	01-Dec-15	01-Dec-15	
SWJ - MOB-1080	Mobilization Summary	26d	26-Oct-15 A	28-Dec-15	
Preconstruction Submittals					
SWJ-PC-SUB-01	Preparation & Submit Copy of Bank Guarantee Certificates	1d	09-Nov-15	17-Nov-15	
SWJ-PC-SUB-01-R&A	Review & Approval of Bank Guarantee Certificates	21d	17-Nov-15	23-Nov-15	
SWJ-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal	2d	26-Oct-15 A	11-Nov-15	
SWJ-PC-SUB-02-R&A	Review & Approval of Scheduling Qualification Submittal	21d	11-Nov-15	23-Nov-15	
SWJ-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	9d	26-Oct-15 A	24-Nov-15	
SWJ-PC-SUB-03-R&A	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21d	24-Nov-15	09-Dec-15	
SWJ-PC-SUB-04	Preparation & Submit Submittals Schedule	2d	26-Oct-15 A	24-Nov-15	
SWJ-PC-SUB-04-R&A	Review & Approval of Submittals Schedule	21d	24-Nov-15	08-Dec-15	
SWJ-PC-SUB-05	Preparation & Submit Key Staff	5d	26-Oct-15 A	20-Dec-15	
SWJ-PC-SUB-05-R&A	Review & Approval of Key Staff	21d	20-Dec-15	21-Dec-15	
SWJ-PC-SUB-06	Preparation & Submit Project Temporary Signs	2d	26-Oct-15 A	17-Nov-15	
SWJ-PC-SUB-06-R&A	Review & Approval of Project Temporary Signs	18d	17-Nov-15	23-Nov-15	
SWJ-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	2d	26-Oct-15 A	11-Nov-15	
SWJ-PC-SUB-07-R&A	Review & Approval of Engineer's Field Office Location and Layout	15d	11-Nov-15	23-Nov-15	
SWJ-PC-SUB-08	Preparation & Submit Field Office Furniture and Equipment Plan	2d	26-Oct-15 A	11-Nov-15	
SWJ-PC-SUB-08-R&A	Review & Approval of Field Office Furniture and Equipment Plan	15d	11-Nov-15	24-Nov-15	
SWJ-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	5d	26-Oct-15 A	11-Nov-15	
SWJ-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	14d	11-Nov-15	06-Dec-15	
SWJ-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V	5d	26-Oct-15 A	13-Dec-15	
SWJ-PC-SUB-10-R&A	Review & Approval of Quality Control Plan with Testing Lab C.V	21d	13-Dec-15	21-Dec-15	
SWJ-PC-SUB-11	Preparation & Submit Safety Plan	5d	26-Oct-15 A	15-Dec-15	
SWJ-PC-SUB-11-R&A	Review & Approval of Safety Plan	21d	15-Dec-15	29-Dec-15	
SWJ-PC-SUB-13	Preparation & Submit Environmental Monitoring and Mitigation Plan	3d	26-Oct-15 A	20-Dec-15	
SWJ-PC-SUB-13-R&A	Review & Approval of Environmental Monitoring and Mitigation Plan	21d	24-Nov-15	07-Jan-16 A	
SWJ-PC-SUB-14	Preparation & Submit General Construction Method Statement	5d	26-Oct-15 A	15-Dec-15	
SWJ-PC-SUB-14-R&A	Review & Approval of General Constraction Method Statement	21d	15-Dec-15	13-Jan-16 A	
SWJ-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule	21d	11-Feb-16 A	15-Feb-16 A	
SWJ-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule	21d	15-Feb-16 A	23-Feb-16 A	
SWJ-PC-SUB-16	Preparation & Submit Construction Risk Management Program	5d	26-Oct-15 A	13-Dec-15	
SWJ-PC-SUB-16-R&A	Review & Approval of Construction Risk Management Program	21d	24-Nov-15	13-Jan-16 A	
SWJ-PC-SUB-17	Preparation & Submit Dilapidation Survey	3d	09-Dec-15	03-May-16	214d
SWJ-PC-SUB-17-R&A	Review & Approval of Dilapidation Survey	21d	14-Dec-15	11-May-16	185d
SWJ-PC-SUB-19	Preparation & Submit Insurances	5d	26-Oct-15 A	07-Dec-15	
SWJ-PC-SUB-19-R&A	Review & Approval of Insurances	21d	07-Dec-15	16-Dec-15	
SWJ-PC-SUB-20	Preparation & Submit Lists of Permits and Licenses	5d	26-Oct-15 A	13-Dec-15	
SWJ-PC-SUB-20-R&A	Review & Approval of Lists of Permits and Licenses	21d	24-Nov-15	21-Dec-15	
SWJ-PC-SUB-21	Preparation & Submit Dumping Site	4d	26-Oct-15 A	07-Dec-15	
SWJ-PC-SUB-21-R&A	Review & Approval of Dumping Site	21d	07-Dec-15	21-Dec-15	
SWJ-PC-SUB-22	Preparation & Submit Storage Yard	3d	26-Oct-15 A	07-Dec-15	
SWJ-PC-SUB-22-R&A	Review & Approval of Storage Yard	15d	07-Dec-15	21-Dec-15	
Traffic Control Plan Submittals					
Reservoirs Traffic Control Plan Submittals					
SWJ-TCP-1000	Preparation & Submit Traffic Control Plan for Al Mutilla Reservoir	11d	19-Dec-15	23-Dec-15	
SWJ-TCP-1010	Review & Approval of Traffic Control Plan for Al Mutilla Reservoir	21d	23-Dec-15	28-Dec-15	
SWJ-TCP-1180	Preparation & Submit Traffic Control Plan for Arraba Reservoir	5d	31-Dec-15	03-Jan-16 A	

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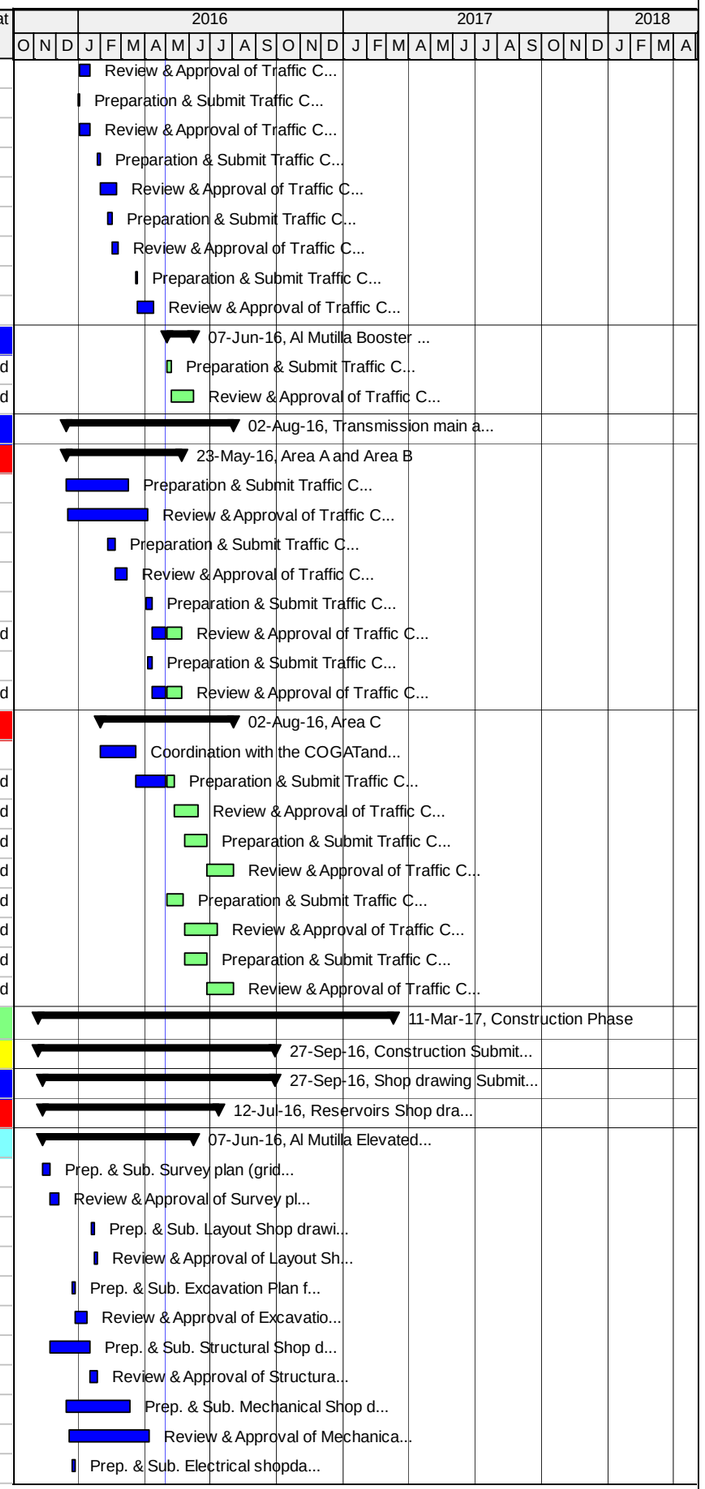
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
SWJ-TCP-1190	Review & Approval of Traffic Control Plan for Arraba Reservoir	21d	03-Jan-16 A	17-Jan-16 A	
SWJ-TCP-1200	Preparation & Submit Traffic Control Plan for Jalqamus Reservoir	5d	31-Dec-15	03-Jan-16 A	
SWJ-TCP-1210	Review & Approval of Traffic Control Plan for Jalqamus Reservoir	21d	03-Jan-16 A	17-Jan-16 A	
SWJ-TCP-1220	Preparation & Submit Traffic Control Plan for Kuferit Reservoir	5d	27-Jan-16 A	01-Feb-16 A	
SWJ-TCP-1230	Review & Approval of Traffic Control Plan for Kuferit Reservoir	21d	01-Feb-16 A	23-Feb-16 A	
SWJ-TCP-1240	Preparation & Submit Traffic Control Plan for Kafr Rai Reservoir	5d	10-Feb-16 A	17-Feb-16 A	
SWJ-TCP-1250	Review & Approval of Traffic Control Plan for Kafr Rai Reservoir	21d	17-Feb-16 A	25-Feb-16 A	
SWJ-TCP-1260	Preparation & Submit Traffic Control Plan for Ajja Reservoir	5d	20-Mar-16 A	23-Mar-16 A	
SWJ-TCP-1270	Review & Approval of Traffic Control Plan for Ajja Reservoir	21d	23-Mar-16 A	14-Apr-16 A	
Al Mutilla Booster Station Traffic Control Plan Submittals					
SWJ-TCP-1020	Preparation & Submit Traffic Control Plan for Al Mutilla Booster Station	5d	03-May-16	08-May-16	221d
SWJ-TCP-1030	Review & Approval of Traffic Control Plan for Al Mutilla Booster Station	21d	09-May-16	07-Jun-16	191d
Transmission main and supply pipelines Traffic Control Plan Submittals					
Area A and Area B					
SWJ-TCP-1280	Preparation & Submit Traffic Control Plan for Sanur Junction to Maythaloun Well	5d	15-Dec-15	10-Mar-16 A	
SWJ-TCP-1290	Review & Approval of Traffic Control Plan for Sanur Junction to Maythaloun Well	21d	17-Dec-15	05-Apr-16 A	
SWJ-TCP-1300	Preparation & Submit Traffic Control Plan for Talfit - Al Mutilla Pipeline (ø 150 mm - (9300) LM)	5d	10-Feb-16 A	20-Feb-16 A	
SWJ-TCP-1310	Review & Approval of Traffic Control Plan for Talfit - Al Mutilla Pipeline (ø 150 mm - (9300) LM)	21d	21-Feb-16 A	08-Mar-16 A	
SWJ-TCP-1320	Preparation & Submit Traffic Control Plan for Yabad-Kuferit Pipeline (Area A and B)	5d	03-Apr-16 A	11-Apr-16 A	
SWJ-TCP-1330	Review & Approval of Traffic Control Plan for Yabad-Kuferit Pipeline (Area A and B)	21d	11-Apr-16 A	23-May-16	201d
SWJ-TCP-1340	Preparation & Submit Traffic Control Plan for Anza-Ajja (Area A and B)	5d	05-Apr-16 A	11-Apr-16 A	
SWJ-TCP-1350	Review & Approval of Traffic Control Plan for Anza-Ajja (Area A and B)	21d	11-Apr-16 A	23-May-16	201d
Area C					
SWJ-COR-1010	Coordination with the COGATand DCL to obtain all the necessary approvals inclusive of traffic plans - Area C	45d	01-Feb-16 A	20-Mar-16 A	
SWJ-TCP-1420	Preparation & Submit Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	20d	20-Mar-16 A	11-May-16	218d
SWJ-TCP-1430	Review & Approval of Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	21d	12-May-16	14-Jun-16	188d
SWJ-TCP-1440	Preparation & Submit Traffic Control Plan for Yabad-Kuferit Pipeline (Area C) From STA: 0+000 to STA: 0+640	20d	26-May-16	26-Jun-16	186d
SWJ-TCP-1450	Review & Approval of Traffic Control Plan for Yabad-Kuferit Pipeline (Area C) From STA: 0+000 to STA: 0+640	21d	27-Jun-16	02-Aug-16	162d
SWJ-TCP-1460	Preparation & Submit Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	20d	03-May-16	25-May-16	179d
SWJ-TCP-1470	Review & Approval of Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	21d	26-May-16	10-Jul-16	153d
SWJ-TCP-1480	Preparation & Submit Traffic Control Plan for Zone 4, Location 8, 9 and 10 (Area C)	20d	26-May-16	26-Jun-16	186d
SWJ-TCP-1490	Review & Approval of Traffic Control Plan for Zone 4, Location 8, 9 and 10 (Area C)	21d	27-Jun-16	02-Aug-16	162d
Construction Phase					
Construction Submittals					
Shop drawing Submittals					
Reservoirs Shop drawing Submittals					
Al Mutilla Elevated Reservoir - New Construction 500 m3					
MTR-SD-100	Prep. & Sub. Survey plan (grid points) for Al Mutilla Elevated Reservoir	3d	12-Nov-15	24-Nov-15	
MTR-SD-110	Review & Approval of Survey plan (grid points) for Al Mutilla Elevated Reservoir	21d	24-Nov-15	06-Dec-15	
MTR-SD-120	Prep. & Sub. Layout Shop drawing for Al Mutilla Elevated Reservoir	3d	19-Jan-16 A	24-Jan-16 A	
MTR-SD-130	Review & Approval of Layout Shop drawing for Al Mutilla Elevated Reservoir	21d	24-Jan-16 A	27-Jan-16 A	
MTR-SD-140	Prep. & Sub. Excavation Plan for Al Mutilla Elevated Reservoir	3d	24-Dec-15	27-Dec-15	
MTR-SD-150	Review & Approval of Excavation Plan for Al Mutilla Elevated Reservoir	21d	27-Dec-15	13-Jan-16 A	
MTR-SD-160	Prep. & Sub. Structural Shop drawing for Al Mutilla Elevated Reservoir	5d	24-Nov-15	18-Jan-16 A	
MTR-SD-170	Review & Approval of Structural Shop drawing for Al Mutilla Elevated Reservoir	21d	18-Jan-16 A	27-Jan-16 A	
MTR-SD-180	Prep. & Sub. Mechanical Shop drawing for Al Mutilla Elevated Reservoir	9d	15-Dec-15	13-Mar-16 A	
MTR-SD-190	Review & Approval of Mechanical Shop drawing for Al Mutilla Elevated Reservoir	21d	20-Dec-15	07-Apr-16 A	
MTR-SD-200	Prep. & Sub. Electrical shopdarwing for Al Mutilla Elevated Reservoir	9d	24-Dec-15	27-Dec-15	



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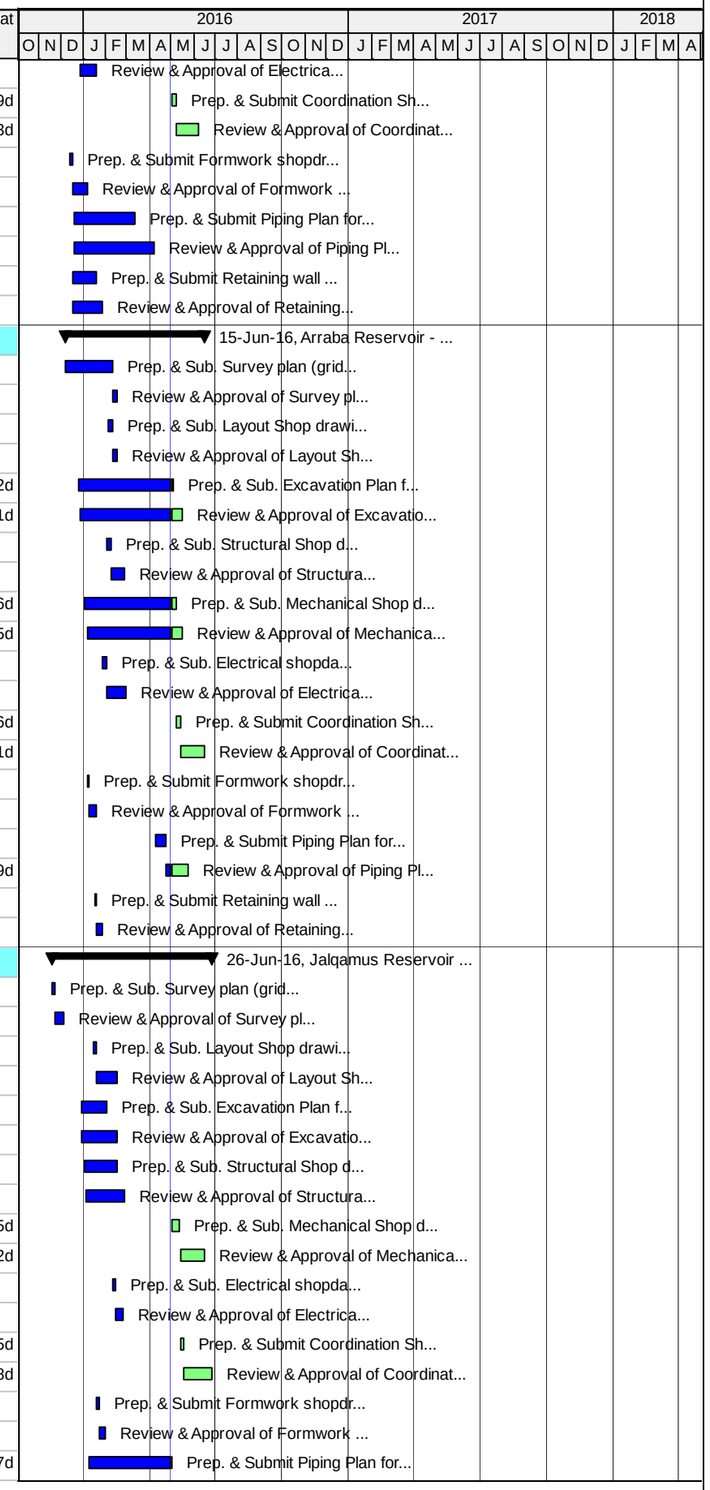
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
MTR-SD-210	Review & Approval of Electrical shopdarwing for Al Mutilla Elevated Reservoir	21d	27-Dec-15	20-Jan-16 A	
MTR-SD-220	Prep. & Submit Coordination Shop drawing for Al Mutilla Elevated Reservoir	5d	03-May-16	08-May-16	79d
MTR-SD-230	Review & Approval of Coordination Shop drawing for Al Mutilla Elevated Reservoir	21d	09-May-16	07-Jun-16	63d
MTR-SD-240	Prep. & Submit Formwork shopdrawing for Al Mutilla Elevated Reservoir	5d	13-Dec-15	17-Dec-15	
MTR-SD-250	Review & Approval of Formwork shopdrawing for Al Mutilla Elevated Reservoir	21d	17-Dec-15	07-Jan-16 A	
MTR-SD-260	Prep. & Submit Piping Plan for Al Mutilla Elevated Reservoir	5d	20-Dec-15	13-Mar-16 A	
MTR-SD-270	Review & Approval of Piping Plan for Al Mutilla Elevated Reservoir	21d	20-Dec-15	07-Apr-16 A	
MTR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Al Mutilla Elevated Reservoir	5d	17-Dec-15	19-Jan-16 A	
MTR-SD-290	Review & Approval of Retaining wall Shopdrawing for Al Mutilla Elevated Reservoir	21d	17-Dec-15	27-Jan-16 A	
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3					
ARR-SD-100	Prep. & Sub. Survey plan (grid points) for Arraba Reservoir	10d	07-Dec-15	10-Feb-16 A	
ARR-SD-110	Review & Approval of Survey plan (grid points) for Arraba Reservoir	21d	10-Feb-16 A	17-Feb-16 A	
ARR-SD-120	Prep. & Sub. Layout Shop drawing for Arraba Reservoir	5d	04-Feb-16 A	10-Feb-16 A	
ARR-SD-130	Review & Approval of Layout Shop drawing for Arraba Reservoir	21d	10-Feb-16 A	17-Feb-16 A	
ARR-SD-140	Prep. & Sub. Excavation Plan for Arraba Reservoir	5d	26-Dec-15	04-May-16	212d
ARR-SD-150	Review & Approval of Excavation Plan for Arraba Reservoir	21d	28-Dec-15	17-May-16	181d
ARR-SD-160	Prep. & Sub. Structural Shop drawing for Arraba Reservoir	5d	02-Feb-16 A	08-Feb-16 A	
ARR-SD-170	Review & Approval of Structural Shop drawing for Arraba Reservoir	21d	08-Feb-16 A	28-Feb-16 A	
ARR-SD-180	Prep. & Sub. Mechanical Shop drawing for Arraba Reservoir	9d	03-Jan-16 A	08-May-16	146d
ARR-SD-190	Review & Approval of Mechanical Shop drawing for Arraba Reservoir	21d	06-Jan-16 A	17-May-16	155d
ARR-SD-200	Prep. & Sub. Electrical shopdarwing for Arraba Reservoir	9d	27-Jan-16 A	02-Feb-16 A	
ARR-SD-210	Review & Approval of Electrical shopdarwing for Arraba Reservoir	21d	02-Feb-16 A	29-Feb-16 A	
ARR-SD-220	Prep. & Submit Coordination Shop drawing for Arraba Reservoir	5d	08-May-16	14-May-16	146d
ARR-SD-230	Review & Approval of Coordination Shop drawing for Arraba Reservoir	21d	15-May-16	15-Jun-16	121d
ARR-SD-240	Prep. & Submit Formwork shopdrawing for Arraba Reservoir	5d	07-Jan-16 A	10-Jan-16 A	
ARR-SD-250	Review & Approval of Formwork shopdrawing for Arraba Reservoir	21d	10-Jan-16 A	20-Jan-16 A	
ARR-SD-260	Prep. & Submit Piping Plan for Arraba Reservoir	5d	10-Apr-16 A	25-Apr-16 A	
ARR-SD-270	Review & Approval of Piping Plan for Arraba Reservoir	21d	25-Apr-16 A	24-May-16	149d
ARR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Arraba Reservoir	5d	17-Jan-16 A	19-Jan-16 A	
ARR-SD-290	Review & Approval of Retaining wall Shopdrawing for Arraba Reservoir	21d	19-Jan-16 A	27-Jan-16 A	
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1,000 m3					
JLR-SD-1000	Prep. & Sub. Survey plan (grid points) for Jalqamus Reservoir	8d	18-Nov-15	24-Nov-15	
JLR-SD-1010	Review & Approval of Survey plan (grid points) for Jalqamus Reservoir	21d	24-Nov-15	06-Dec-15	
JLR-SD-1020	Prep. & Sub. Layout Shop drawing for Jalqamus Reservoir	5d	16-Jan-16 A	20-Jan-16 A	
JLR-SD-1030	Review & Approval of Layout Shop drawing for Jalqamus Reservoir	21d	20-Jan-16 A	17-Feb-16 A	
JLR-SD-1040	Prep. & Sub. Excavation Plan for Jalqamus Reservoir	5d	29-Dec-15	03-Feb-16 A	
JLR-SD-1050	Review & Approval of Excavation Plan for Jalqamus Reservoir	21d	29-Dec-15	17-Feb-16 A	
JLR-SD-1060	Prep. & Sub. Structural Shop drawing for Jalqamus Reservoir	5d	02-Jan-16 A	16-Feb-16 A	
JLR-SD-1070	Review & Approval of Structural Shop drawing for Jalqamus Reservoir	21d	04-Jan-16 A	28-Feb-16 A	
JLR-SD-1080	Prep. & Sub. Mechanical Shop drawing for Jalqamus Reservoir	9d	03-May-16	12-May-16	185d
JLR-SD-1090	Review & Approval of Mechanical Shop drawing for Jalqamus Reservoir	21d	15-May-16	15-Jun-16	162d
JLR-SD-1100	Prep. & Sub. Electrical shopdarwing for Jalqamus Reservoir	9d	11-Feb-16 A	14-Feb-16 A	
JLR-SD-1110	Review & Approval of Electrical shopdarwing for Jalqamus Reservoir	21d	14-Feb-16 A	25-Feb-16 A	
JLR-SD-1120	Prep. & Submit Coordination Shop drawing for Jalqamus Reservoir	5d	14-May-16	18-May-16	185d
JLR-SD-1130	Review & Approval of Coordination Shop drawing for Jalqamus Reservoir	21d	19-May-16	26-Jun-16	158d
JLR-SD-1140	Prep. & Submit Formwork shopdrawing for Jalqamus Reservoir	5d	20-Jan-16 A	24-Jan-16 A	
JLR-SD-1150	Review & Approval of Formwork shopdrawing for Jalqamus Reservoir	21d	24-Jan-16 A	01-Feb-16 A	
JLR-SD-1160	Prep. & Submit Piping Plan for Jalqamus Reservoir	5d	10-Jan-16 A	03-May-16	177d



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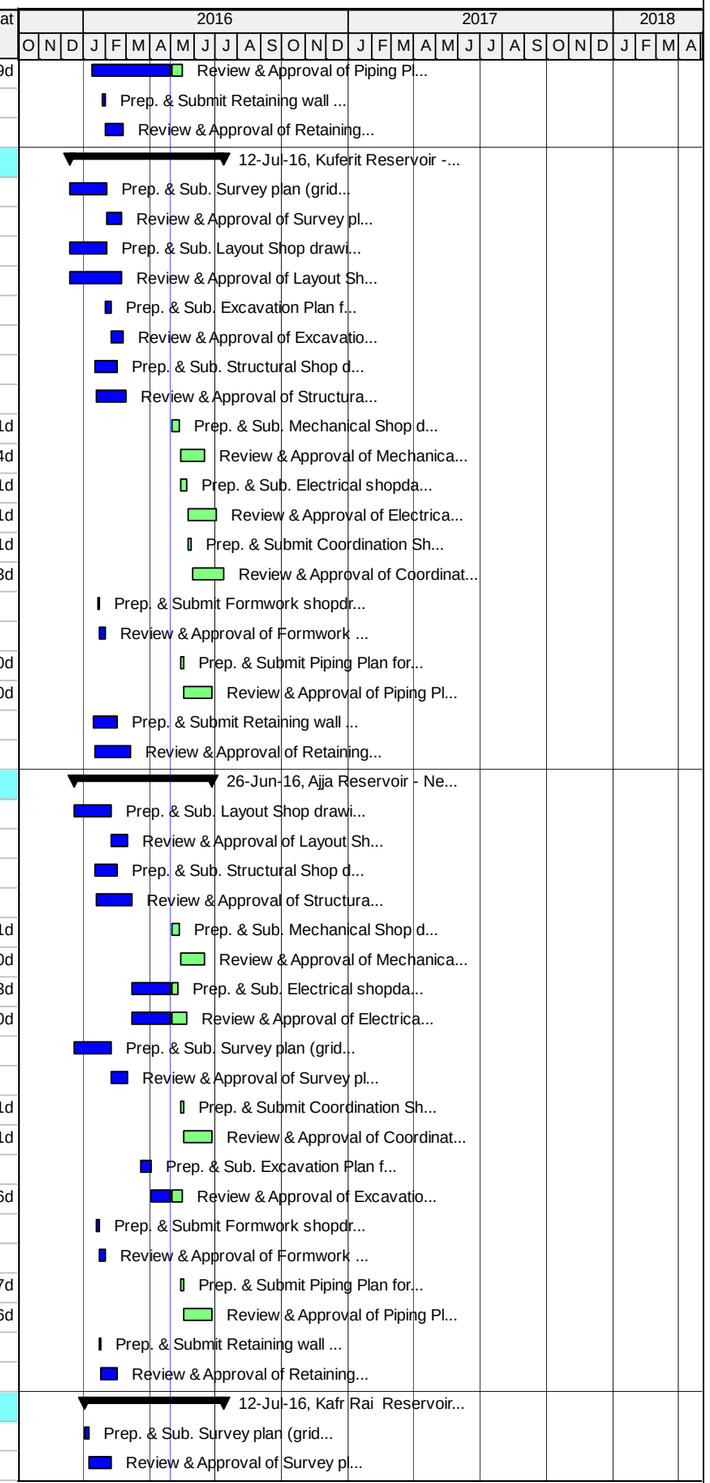
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
JLR-SD-1170	Review & Approval of Piping Plan for Jalqamus Reservoir	21d	13-Jan-16 A	17-May-16	149d
JLR-SD-1180	Prep. & Submit Retaining wall Shopdrawing for Jalqamus Reservoir	5d	27-Jan-16 A	01-Feb-16 A	
JLR-SD-1190	Review & Approval of Retaining wall Shopdrawing for Jalqamus Reservoir	21d	01-Feb-16 A	24-Feb-16 A	
Kuferit Reservoir - New Construction 500 m3					
KFR-SD-100	Prep. & Sub. Survey plan (grid points) for Kuferit Reservoir	9d	14-Dec-15	02-Feb-16 A	
KFR-SD-110	Review & Approval of Survey plan (grid points) for Kuferit Reservoir	21d	02-Feb-16 A	23-Feb-16 A	
KFR-SD-120	Prep. & Sub. Layout Shop drawing for Kuferit Reservoir (New Layout)	5d	14-Dec-15	02-Feb-16 A	
KFR-SD-130	Review & Approval of Layout Shop drawing for Kuferit Reservoir (New Layout)	21d	14-Dec-15	23-Feb-16 A	
KFR-SD-140	Prep. & Sub. Excavation Plan for Kuferit Reservoir	5d	01-Feb-16 A	09-Feb-16 A	
KFR-SD-150	Review & Approval of Excavation Plan for Kuferit Reservoir	21d	09-Feb-16 A	25-Feb-16 A	
KFR-SD-160	Prep. & Sub. Structural Shop drawing for Kuferit Reservoir	5d	17-Jan-16 A	16-Feb-16 A	
KFR-SD-170	Review & Approval of Structural Shop drawing for Kuferit Reservoir	21d	19-Jan-16 A	29-Feb-16 A	
KFR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kuferit Reservoir	9d	03-May-16	12-May-16	111d
KFR-SD-190	Review & Approval of Mechanical Shop drawing for Kuferit Reservoir	21d	15-May-16	15-Jun-16	104d
KFR-SD-200	Prep. & Sub. Electrical shopdarwing for Kuferit Reservoir	9d	14-May-16	23-May-16	111d
KFR-SD-210	Review & Approval of Electrical shopdarwing for Kuferit Reservoir	21d	24-May-16	03-Jul-16	101d
KFR-SD-220	Prep. & Submit Coordination Shop drawing for Kuferit Reservoir	5d	24-May-16	29-May-16	111d
KFR-SD-230	Review & Approval of Coordination Shop drawing for Kuferit Reservoir	21d	30-May-16	12-Jul-16	93d
KFR-SD-240	Prep. & Submit Formwork shopdrawing for Kuferit Reservoir	5d	21-Jan-16 A	24-Jan-16 A	
KFR-SD-250	Review & Approval of Formwork shopdrawing for Kuferit Reservoir	21d	24-Jan-16 A	01-Feb-16 A	
KFR-SD-260	Prep. & Submit Piping Plan for Kuferit Reservoir	5d	14-May-16	18-May-16	120d
KFR-SD-270	Review & Approval of Piping Plan for Kuferit Reservoir	21d	19-May-16	26-Jun-16	100d
KFR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Kuferit Reservoir	5d	16-Jan-16 A	17-Feb-16 A	
KFR-SD-290	Review & Approval of Retaining wall Shopdrawing for Kuferit Reservoir	21d	18-Jan-16 A	06-Mar-16 A	
Ajja Reservoir - New Construction 1,000 m3					
AJR-SD-1000	Prep. & Sub. Layout Shop drawing for Ajja Reservoir	5d	20-Dec-15	09-Feb-16 A	
AJR-SD-1010	Review & Approval of Layout Shop drawing for Ajja Reservoir	21d	09-Feb-16 A	03-Mar-16 A	
AJR-SD-1020	Prep. & Sub. Structural Shop drawing for Ajja Reservoir	5d	17-Jan-16 A	16-Feb-16 A	
AJR-SD-1030	Review & Approval of Structural Shop drawing for Ajja Reservoir	21d	20-Jan-16 A	08-Mar-16 A	
AJR-SD-1040	Prep. & Sub. Mechanical Shop drawing for Ajja Reservoir	9d	03-May-16	12-May-16	121d
AJR-SD-1050	Review & Approval of Mechanical Shop drawing for Ajja Reservoir	21d	15-May-16	15-Jun-16	110d
AJR-SD-1060	Prep. & Sub. Electrical shopdarwing for Ajja Reservoir	9d	09-Mar-16 A	11-May-16	123d
AJR-SD-1070	Review & Approval of Electrical shopdarwing for Ajja Reservoir	21d	09-Mar-16 A	23-May-16	110d
AJR-SD-1080	Prep. & Sub. Survey plan (grid points) for Ajja Reservoir	9d	20-Dec-15	09-Feb-16 A	
AJR-SD-1090	Review & Approval of Survey plan (grid points) for Ajja Reservoir	21d	09-Feb-16 A	03-Mar-16 A	
AJR-SD-1110	Prep. & Submit Coordination Shop drawing for Ajja Reservoir	5d	14-May-16	18-May-16	121d
AJR-SD-1115	Review & Approval of Coordination Shop drawing for Ajja Reservoir	21d	19-May-16	26-Jun-16	101d
AJR-SD-1120	Prep. & Sub. Excavation Plan for Ajja Reservoir	5d	21-Mar-16 A	03-Apr-16 A	
AJR-SD-1130	Review & Approval of Excavation Plan for Ajja Reservoir	21d	03-Apr-16 A	17-May-16	36d
AJR-SD-1150	Prep. & Submit Formwork shopdrawing for Ajja Reservoir	5d	20-Jan-16 A	24-Jan-16 A	
AJR-SD-1155	Review & Approval of Formwork shopdrawing for Ajja Reservoir	21d	24-Jan-16 A	01-Feb-16 A	
AJR-SD-1170	Prep. & Submit Piping Plan for Ajja Reservoir	5d	14-May-16	18-May-16	127d
AJR-SD-1175	Review & Approval of Piping Plan for Ajja Reservoir	21d	19-May-16	26-Jun-16	106d
AJR-SD-1190	Prep. & Submit Retaining wall Shopdrawing for Ajja Reservoir	5d	23-Jan-16 A	26-Jan-16 A	
AJR-SD-1195	Review & Approval of Retaining wall Shopdrawing for Ajja Reservoir	21d	26-Jan-16 A	16-Feb-16 A	
Kafr Rai Reservoir - New Construction 1,000 m3					
KRR-SD-100	Prep. & Sub. Survey plan (grid points) for Kafr Rai Reservoir	8d	02-Jan-16 A	10-Jan-16 A	
KRR-SD-110	Review & Approval of Survey plan (grid points) for Kafr Rai Reservoir	21d	10-Jan-16 A	08-Feb-16 A	



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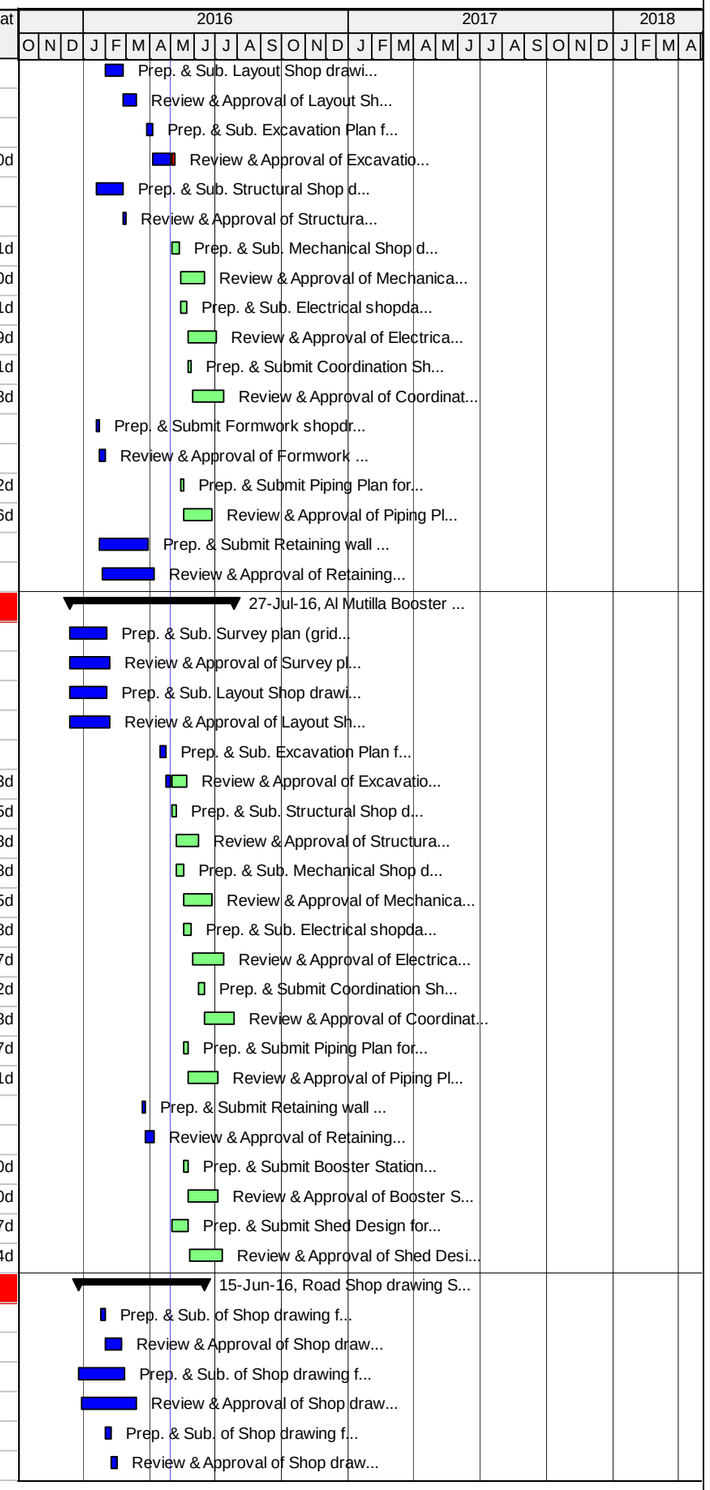
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
KRR-SD-120	Prep. & Sub. Layout Shop drawing for Kafr Rai Reservoir	5d	31-Jan-16 A	24-Feb-16 A	
KRR-SD-130	Review & Approval of Layout Shop drawing for Kafr Rai Reservoir	21d	24-Feb-16 A	15-Mar-16 A	
KRR-SD-140	Prep. & Sub. Excavation Plan for Kafr Rai Reservoir	5d	28-Mar-16 A	05-Apr-16 A	
KRR-SD-150	Review & Approval of Excavation Plan for Kafr Rai Reservoir	21d	05-Apr-16 A	05-May-16	-10d
KRR-SD-160	Prep. & Sub. Structural Shop drawing for Kafr Rai Reservoir	5d	20-Jan-16 A	24-Feb-16 A	
KRR-SD-170	Review & Approval of Structural Shop drawing for Kafr Rai Reservoir	21d	24-Feb-16 A	29-Feb-16 A	
KRR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kafr Rai Reservoir	9d	03-May-16	12-May-16	81d
KRR-SD-190	Review & Approval of Mechanical Shop drawing for Kafr Rai Reservoir	21d	15-May-16	15-Jun-16	130d
KRR-SD-200	Prep. & Sub. Electrical shopdarwing for Kafr Rai Reservoir	9d	14-May-16	23-May-16	81d
KRR-SD-210	Review & Approval of Electrical shopdarwing for Kafr Rai Reservoir	21d	24-May-16	03-Jul-16	89d
KRR-SD-220	Prep. & Submit Coordination Shop drawing for Kafr Rai Reservoir	5d	24-May-16	29-May-16	81d
KRR-SD-230	Review & Approval of Coordination Shop drawing for Kafr Rai Reservoir	21d	30-May-16	12-Jul-16	68d
KRR-SD-240	Prep. & Submit Formwork shopdrawing for Kafr Rai Reservoir	5d	20-Jan-16 A	24-Jan-16 A	
KRR-SD-250	Review & Approval of Formwork shopdrawing for Kafr Rai Reservoir	21d	24-Jan-16 A	01-Feb-16 A	
KRR-SD-260	Prep. & Submit Piping Plan for Kafr Rai Reservoir	5d	14-May-16	18-May-16	152d
KRR-SD-270	Review & Approval of Piping Plan for Kafr Rai Reservoir	21d	19-May-16	26-Jun-16	126d
KRR-SD-280	Prep. & Submit Retaining wall Shopdrawing for Kafr Rai Reservoir	5d	24-Jan-16 A	30-Mar-16 A	
KRR-SD-290	Review & Approval of Retaining wall Shopdrawing for Kafr Rai Reservoir	21d	27-Jan-16 A	07-Apr-16 A	
Al Mutilla Booster Station Shop drawing Submittals					
MTB-SD-100	Prep. & Sub. Survey plan (grid points) for Al Mutilla Booster Station	9d	14-Dec-15	03-Feb-16 A	
MTB-SD-110	Review & Approval of Survey plan (grid points) for Al Mutilla Booster Station	21d	14-Dec-15	07-Feb-16 A	
MTB-SD-120	Prep. & Sub. Layout Shop drawing for Al Mutilla Booster Station	5d	14-Dec-15	03-Feb-16 A	
MTB-SD-130	Review & Approval of Layout Shop drawing for Al Mutilla Booster Station	21d	14-Dec-15	07-Feb-16 A	
MTB-SD-140	Prep. & Sub. Excavation Plan for Al Mutilla Booster Station	5d	17-Apr-16 A	24-Apr-16 A	
MTB-SD-150	Review & Approval of Excavation Plan for Al Mutilla Booster Station	21d	24-Apr-16 A	23-May-16	73d
MTB-SD-160	Prep. & Sub. Structural Shop drawing for Al Mutilla Booster Station	5d	03-May-16	08-May-16	85d
MTB-SD-170	Review & Approval of Structural Shop drawing for Al Mutilla Booster Station	21d	09-May-16	07-Jun-16	68d
MTB-SD-180	Prep. & Sub. Mechanical Shop drawing for Al Mutilla Booster Station	9d	09-May-16	18-May-16	88d
MTB-SD-190	Review & Approval of Mechanical Shop drawing for Al Mutilla Booster Station	21d	19-May-16	26-Jun-16	85d
MTB-SD-200	Prep. & Sub. Electrical shopdarwing for Al Mutilla Booster Station	9d	19-May-16	29-May-16	88d
MTB-SD-210	Review & Approval of Electrical shopdarwing for Al Mutilla Booster Station	21d	30-May-16	12-Jul-16	97d
MTB-SD-220	Prep. & Submit Coordination Shop drawing for Al Mutilla Booster Station	5d	07-Jun-16	16-Jun-16	82d
MTB-SD-230	Review & Approval of Coordination Shop drawing for Al Mutilla Booster Station	21d	16-Jun-16	27-Jul-16	68d
MTB-SD-260	Prep. & Submit Piping Plan for Al Mutilla Booster Station	5d	19-May-16	24-May-16	97d
MTB-SD-270	Review & Approval of Piping Plan for Al Mutilla Booster Station	21d	25-May-16	04-Jul-16	81d
MTB-SD-280	Prep. & Submit Retaining wall Shopdrawing for Al Mutilla Booster Station	5d	22-Mar-16 A	27-Mar-16 A	
MTB-SD-290	Review & Approval of Retaining wall Shopdrawing for Al Mutilla Booster Station	21d	27-Mar-16 A	07-Apr-16 A	
MTB-SD-300	Prep. & Submit Booster Station SCADA-PLC system for Al Mutilla Booster Station	5d	19-May-16	24-May-16	120d
MTB-SD-310	Review & Approval of Booster Station SCADA-PLC system for Al Mutilla Booster Station	21d	25-May-16	04-Jul-16	100d
MTB-SD-320	Prep. & Submit Shed Design for Al Mutilla Booster Station	20d	03-May-16	25-May-16	137d
MTB-SD-330	Review & Approval of Shed Design for Al Mutilla Booster Station	21d	26-May-16	10-Jul-16	114d
Road Shop drawing Submittals					
R-SD-1000	Prep. & Sub. of Shop drawing for Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)	8d	25-Jan-16 A	31-Jan-16 A	
R-SD-1010	Review & Approval of Shop drawing for Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)	21d	31-Jan-16 A	23-Feb-16 A	
R-SD-1020	Prep. & Sub. of Shop drawing for Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)	10d	26-Dec-15	28-Feb-16 A	
R-SD-1030	Review & Approval of Shop drawing for Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)	21d	30-Dec-15	15-Mar-16 A	
R-SD-1040	Prep. & Sub. of Shop drawing for Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)	10d	01-Feb-16 A	09-Feb-16 A	
R-SD-1050	Review & Approval of Shop drawing for Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)	21d	09-Feb-16 A	17-Feb-16 A	



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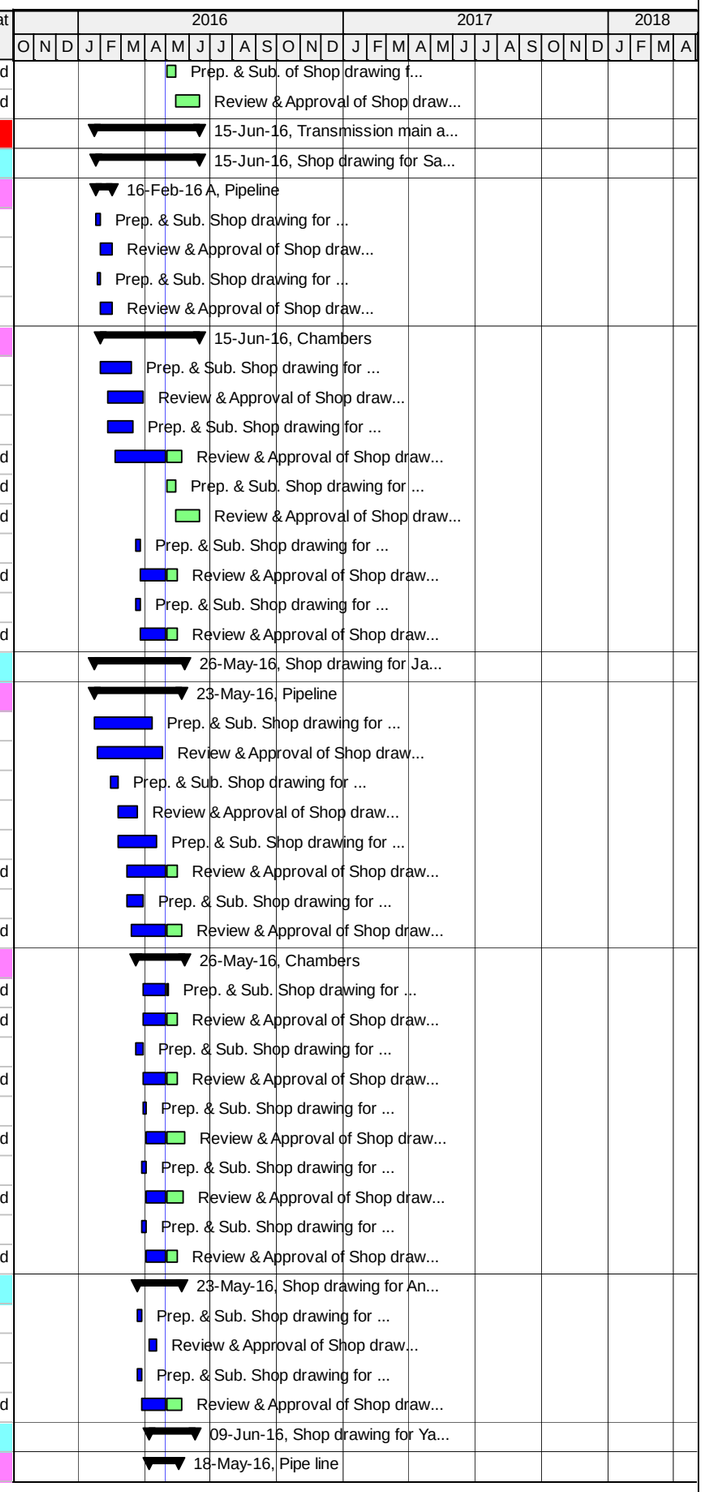
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
R-SD-1060	Prep. & Sub. of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	10d	03-May-16	14-May-16	159d
R-SD-1070	Review & Approval of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	21d	15-May-16	15-Jun-16	133d
Transmission main and supply pipelines Shop drawing Submittals					
Shop drawing for Sanur - Maythaloun Transmission Pipeline (250mm x 3.7 km)					
Pipeline					
SMT-SD-1000	Prep. & Sub. Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 0+000 to St. 1+000) (250mm)	10d	26-Jan-16 A	31-Jan-16 A	
SMT-SD-1010	Review & Approval of Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 0+000 to St. 1+000) (250mm)	21d	31-Jan-16 A	16-Feb-16 A	
SMT-SD-1020	Prep. & Sub. Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 1+000 to St. 3+700) (250mm)	10d	27-Jan-16 A	31-Jan-16 A	
SMT-SD-1030	Review & Approval of Shop drawing for Sanur Junction to Maythaloun Well (from St. SMT 1+000 to St. 3+700) (250mm)	21d	31-Jan-16 A	16-Feb-16 A	
Chambers					
SMT-SD-1050	Prep. & Sub. Shop drawing for Sanur Connection Chamber (CHD-103)	10d	01-Feb-16 A	14-Mar-16 A	
SMT-SD-1060	Review & Approval of Shop drawing for Sanur Connection Chamber (CHD-103)	21d	11-Feb-16 A	31-Mar-16 A	
SMT-SD-1070	Prep. & Sub. Shop drawing for Flow Monitoring Chamber at Station 3+620 (M-VCFM) - Sanur Transmission	10d	10-Feb-16 A	17-Mar-16 A	
SMT-SD-1080	Review & Approval of Shop drawing for Flow Monitoring Chamber at Station 3+620 (M-VCFM) - Sanur Transmission	21d	21-Feb-16 A	23-May-16	103d
SMT-SD-1090	Prep. & Sub. Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	10d	03-May-16	14-May-16	106d
SMT-SD-1100	Review & Approval of Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	21d	15-May-16	15-Jun-16	89d
SMT-SD-1110	Prep. & Sub. Shop drawing for Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	10d	20-Mar-16 A	27-Mar-16 A	
SMT-SD-1120	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	21d	27-Mar-16 A	17-May-16	108d
SMT-SD-1130	Prep. & Sub. Shop drawing for Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	10d	20-Mar-16 A	27-Mar-16 A	
SMT-SD-1140	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	21d	27-Mar-16 A	17-May-16	108d
Shop drawing for Jalqamus - Al Mutilla Transmission Pipeline					
Pipeline					
TJT-SD-1000	Prep. & Sub. Shop drawing for Talfit to Jalqamus Force line (from St. TJT 0+000 to St. 2+330) (150mm)	5d	24-Jan-16 A	12-Apr-16 A	
TJT-SD-1010	Review & Approval of Shop drawing for Talfit to Jalqamus Force line (from St. TJT 0+000 to St. 2+330) (150mm)	21d	27-Jan-16 A	26-Apr-16 A	
TJT-SD-1020	Prep. & Sub. Shop drawing for Jalqamus to Um Atut Forceline (from St. TJT 0+000 to St. 1+800) (150mm)	5d	15-Feb-16 A	24-Feb-16 A	
TJT-SD-1030	Review & Approval of Shop drawing for Jalqamus to Um Atut Forceline (from St. TJT 0+000 to St. 1+800) (150mm)	21d	24-Feb-16 A	23-Mar-16 A	
TJT-SD-1040	Prep. & Sub. Shop drawing for Um Atut - Al Mutilla Transmission Pipeline (from St. 0+000 to St. 3+400) (150mm)	5d	24-Feb-16 A	19-Apr-16 A	
TJT-SD-1050	Review & Approval of Shop drawing for Um Atut - Al Mutilla Transmission Pipeline (from St. 0+000 to St. 3+400) (150mm)	21d	08-Mar-16 A	17-May-16	46d
TJT-SD-1060	Prep. & Sub. Shop drawing for Al Mutilla Transmission Pipeline (from St. 0+000 to St. 1+720) (150mm)	5d	08-Mar-16 A	31-Mar-16 A	
TJT-SD-1070	Review & Approval of Shop drawing for Al Mutilla Transmission Pipeline (from St. 0+000 to St. 1+720) (150mm)	21d	14-Mar-16 A	23-May-16	70d
Chambers					
TJT-SD-1080	Prep. & Sub. Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	5d	31-Mar-16 A	04-May-16	115d
TJT-SD-1090	Review & Approval of Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	21d	31-Mar-16 A	17-May-16	108d
TJT-SD-1100	Prep. & Sub. Shop drawing for Tanin Connection Chamber at station 1+030	5d	21-Mar-16 A	31-Mar-16 A	
TJT-SD-1110	Review & Approval of Shop drawing for Tanin Connection Chamber at station 1+030	21d	31-Mar-16 A	17-May-16	112d
TJT-SD-1120	Prep. & Sub. Shop drawing for Jalqamous Connection Chamber (CHD-171)	5d	30-Mar-16 A	03-Apr-16 A	
TJT-SD-1130	Review & Approval of Shop drawing for Jalqamous Connection Chamber (CHD-171)	21d	03-Apr-16 A	26-May-16	100d
TJT-SD-1140	Prep. & Sub. Shop drawing for Umatut Connection Chamber (CHD-173)	5d	29-Mar-16 A	03-Apr-16 A	
TJT-SD-1150	Review & Approval of Shop drawing for Umatut Connection Chamber (CHD-173)	21d	03-Apr-16 A	25-May-16	101d
TJT-SD-1160	Prep. & Sub. Shop drawing for Al Mughayyir Connection Chamber (CHD-191)	5d	28-Mar-16 A	03-Apr-16 A	
TJT-SD-1170	Review & Approval of Shop drawing for Al Mughayyir Connection Chamber (CHD-191)	21d	03-Apr-16 A	17-May-16	108d
Shop drawing for Anza - Ajja Transmission Pipeline					
AAT-SD-1000	Prep. & Sub. Shop drawing for Ajja Feeder Pipeline (from St. AAT 0+000 to St. 1+290) (200mm)	5d	22-Mar-16 A	28-Mar-16 A	
AAT-SD-1010	Review & Approval of Shop drawing for Ajja Feeder Pipeline (from St. AAT 0+000 to St. 1+290) (200mm)	21d	07-Apr-16 A	19-Apr-16 A	
AAT-SD-1020	Prep. & Sub. Shop drawing for Ajja Force Line Pipeline (from St. AAT 0+000 to St. 1+080) (200mm)	5d	22-Mar-16 A	28-Mar-16 A	
AAT-SD-1030	Review & Approval of Shop drawing for Ajja Force Line Pipeline (from St. AAT 0+000 to St. 1+080) (200mm)	21d	28-Mar-16 A	23-May-16	113d
Shop drawing for Yabad - Kuferit Transmission Pipeline					
Pipe line					



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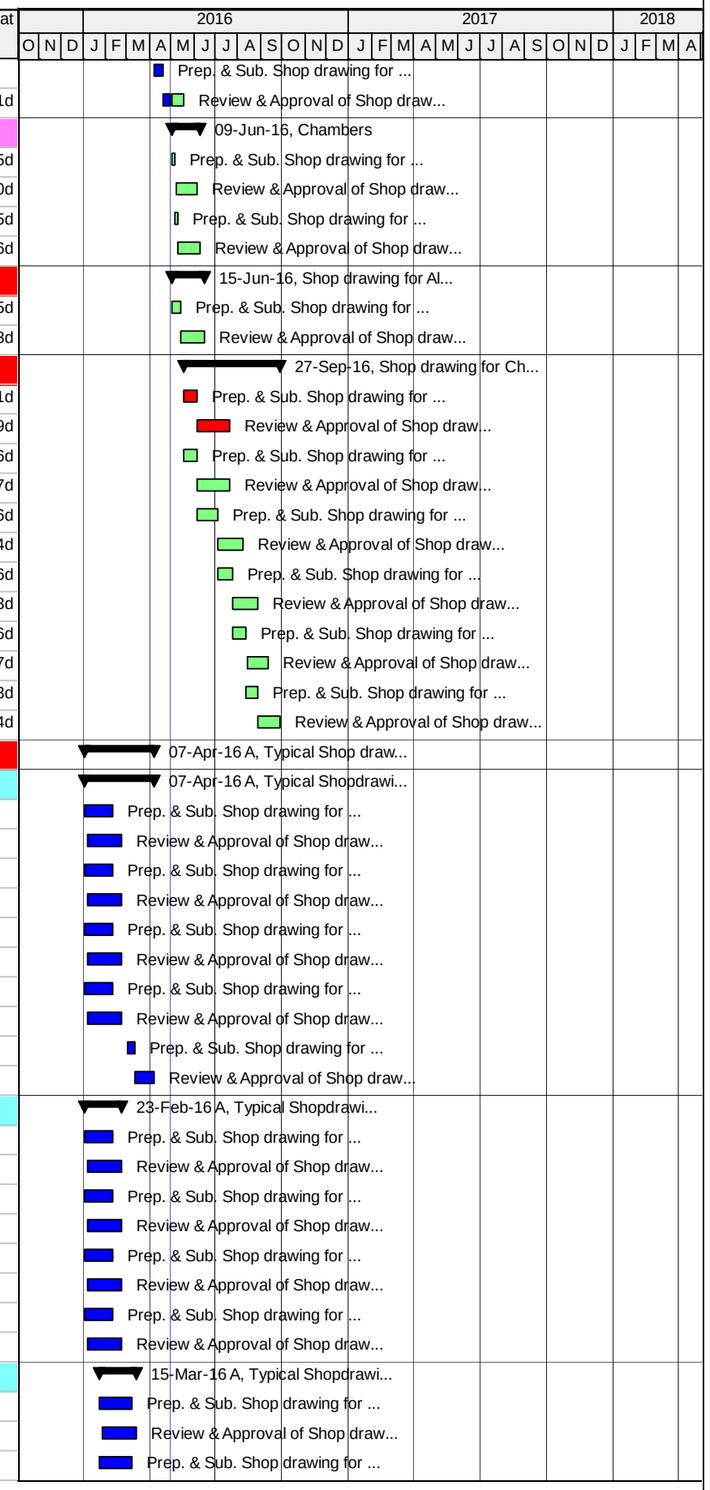
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
YKT-SD-1000	Prep. & Sub. Shop drawing for Yabad - Kuferit Transmission Pipeline (from St. YKT 0+000 to St. 2+300) (150mm)	5d	07-Apr-16 A	21-Apr-16 A	
YKT-SD-1010	Review & Approval of Shop drawing for Yabad - Kuferit Transmission Pipeline (from St. YKT 0+000 to St. 2+300) (150mm)	21d	21-Apr-16 A	18-May-16	91d
Chambers					
YKT-SD-1020	Prep. & Sub. Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	3d	03-May-16	05-May-16	115d
YKT-SD-1030	Review & Approval of Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	21d	08-May-16	05-Jun-16	110d
YKT-SD-1040	Prep. & Sub. Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	3d	07-May-16	09-May-16	115d
YKT-SD-1050	Review & Approval of Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	21d	10-May-16	09-Jun-16	96d
Shop drawing for Al Mutilla Distribution Network					
MTN-SD-1000	Prep. & Sub. Shop drawing for Al Mutilla Distribution Network	10d	03-May-16	14-May-16	85d
MTN-SD-1010	Review & Approval of Shop drawing for Al Mutilla Distribution Network	21d	15-May-16	15-Jun-16	68d
Shop drawing for Chamber Construction, Replacement, and Rehabilitation					
SWJ-CH-SD-1000	Prep. & Sub. Shop drawing for Monitoring Chamber (1) as per detail M-VCFM	15d	19-May-16	06-Jun-16	-11d
SWJ-CH-SD-1010	Review & Approval of Shop drawing for Monitoring Chamber (1) as per detail M-VCFM	21d	06-Jun-16	20-Jul-16	-9d
SWJ-CH-SD-1020	Prep. & Sub. Shop drawing for Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	15d	19-May-16	06-Jun-16	66d
SWJ-CH-SD-1030	Review & Approval of Shop drawing for Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	21d	06-Jun-16	20-Jul-16	127d
SWJ-CH-SD-1040	Prep. & Sub. Shop drawing for Raba Connection Chamber as per detail CHD-241	15d	06-Jun-16	04-Jul-16	66d
SWJ-CH-SD-1050	Review & Approval of Shop drawing for Raba Connection Chamber as per detail CHD-241	21d	04-Jul-16	07-Aug-16	104d
SWJ-CH-SD-1060	Prep. & Sub. Shop drawing for Talfit Connection Chamber as per detail CHD-242	15d	04-Jul-16	25-Jul-16	66d
SWJ-CH-SD-1070	Review & Approval of Shop drawing for Talfit Connection Chamber as per detail CHD-242	21d	25-Jul-16	28-Aug-16	83d
SWJ-CH-SD-1080	Prep. & Sub. Shop drawing for new Proposed Rama Connection Chamber as per detail CHD-242	15d	25-Jul-16	11-Aug-16	66d
SWJ-CH-SD-1090	Review & Approval of Shop drawing for new Proposed Rama Connection Chamber as per detail CHD-242	21d	15-Aug-16	12-Sep-16	57d
SWJ-CH-SD-1100	Prep. & Sub. Shop drawing for Monitoring Chamber (2) as per detail M-VCFM - Location 11	15d	11-Aug-16	29-Aug-16	73d
SWJ-CH-SD-1110	Review & Approval of Shop drawing for Monitoring Chamber (2) as per detail M-VCFM - Location 11	21d	29-Aug-16	27-Sep-16	64d
Typical Shop drawing for Chambers					
Typical Shopdrawing for Gate Valve Chambers					
SWJ-CH-SD-1120	Prep. & Sub. Shop drawing for 50mm Gate Valve Chamber	15d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1130	Review & Approval of Shop drawing for 50mm Gate Valve Chamber	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1140	Prep. & Sub. Shop drawing for 75mm Gate Valve Chamber	15d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1150	Review & Approval of Shop drawing for 75mm Gate Valve Chamber	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1180	Prep. & Sub. Shop drawing for 150mm Gate Valve Chamber	15d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1190	Review & Approval of Shop drawing for 150mm Gate Valve Chamber	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1200	Prep. & Sub. Shop drawing for 200mm Gate Valve Chamber	15d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1210	Review & Approval of Shop drawing for 200mm Gate Valve Chamber	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1220	Prep. & Sub. Shop drawing for 250mm Gate Valve Chamber	15d	02-Mar-16 A	13-Mar-16 A	
SWJ-CH-SD-1230	Review & Approval of Shop drawing for 250mm Gate Valve Chamber	21d	13-Mar-16 A	07-Apr-16 A	
Typical Shopdrawing for Wash out Chambers					
SWJ-CH-SD-1240	Prep. & Sub. Shop drawing for 75mm Washout Chamber on 150mm pipe	3d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1250	Review & Approval of Shop drawing for 75mm Washout Chamber on 150mm pipe	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1340	Prep. & Sub. Shop drawing for 50mm Washout Chamber on 75mm pipe	3d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1350	Review & Approval of Shop drawing for 50mm Washout Chamber on 75mm pipe	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1360	Prep. & Sub. Shop drawing for 100mm Washout Chamber on 250mm pipe	3d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1370	Review & Approval of Shop drawing for 100mm Washout Chamber on 250mm pipe	21d	07-Jan-16 A	23-Feb-16 A	
SWJ-CH-SD-1380	Prep. & Sub. Shop drawing for 75mm Washout Chamber on 200mm pipe	3d	02-Jan-16 A	11-Feb-16 A	
SWJ-CH-SD-1390	Review & Approval of Shop drawing for 75mm Washout Chamber on 200mm pipe	21d	07-Jan-16 A	23-Feb-16 A	
Typical Shopdrawing for Air Release Valve Chambers					
SWJ-CH-SD-1260	Prep. & Sub. Shop drawing for 50mm Air Release Valve Chamber on 75mm Pipe	3d	23-Jan-16 A	09-Mar-16 A	
SWJ-CH-SD-1270	Review & Approval of Shop drawing for 50mm Air Release Valve Chamber on 75mm Pipe	21d	27-Jan-16 A	15-Mar-16 A	
SWJ-CH-SD-1280	Prep. & Sub. Shop drawing for 75mm Air Release Valve Chamber on 150mm Pipe	3d	23-Jan-16 A	09-Mar-16 A	



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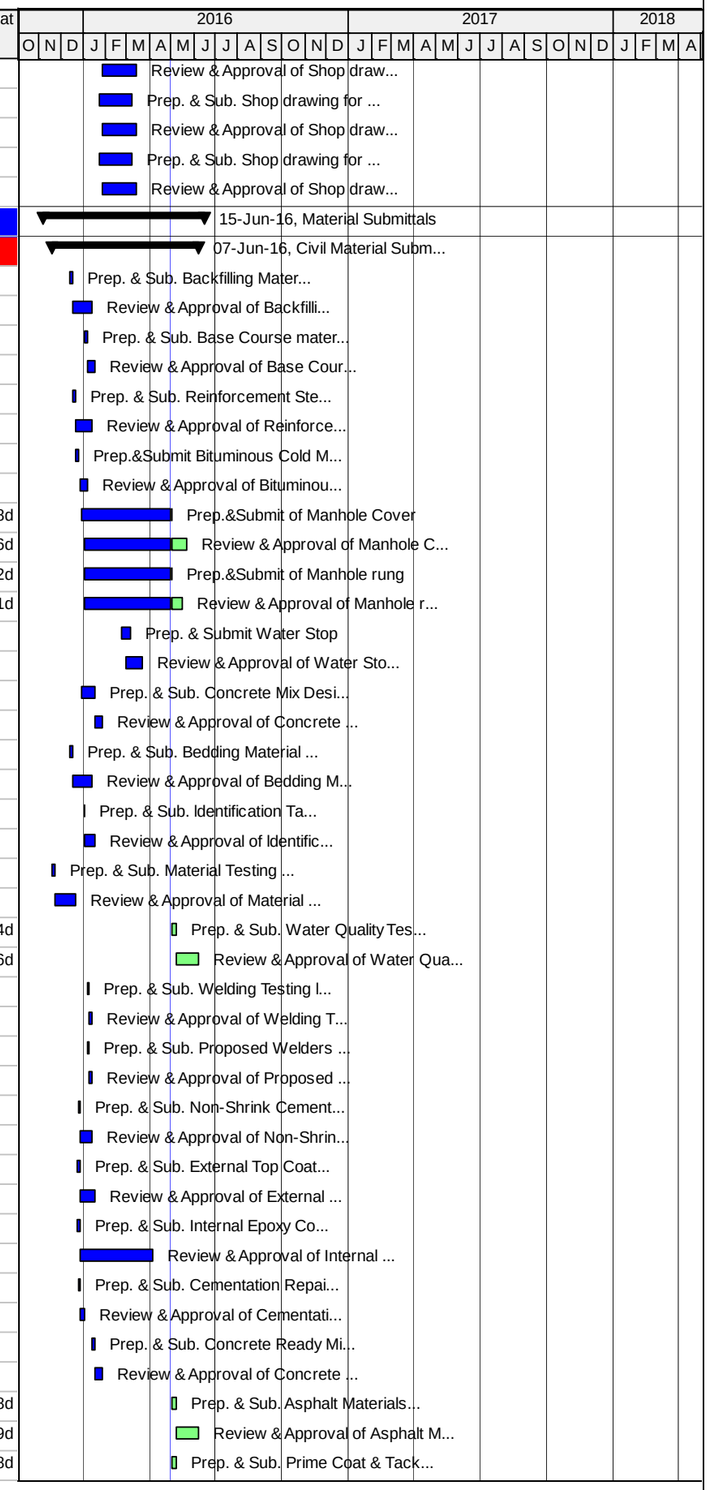
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
SWJ-CH-SD-1290	Review & Approval of Shop drawing for 75mm Air Release Valve Chamber on 150mm Pipe	21d	27-Jan-16 A	15-Mar-16 A	
SWJ-CH-SD-1300	Prep. & Sub. Shop drawing for 75mm Air Release Valve Chamber on 200mm Pipe	3d	23-Jan-16 A	09-Mar-16 A	
SWJ-CH-SD-1310	Review & Approval of Shop drawing for 75mm Air Release Valve Chamber on 200mm Pipe	21d	27-Jan-16 A	15-Mar-16 A	
SWJ-CH-SD-1320	Prep. & Sub. Shop drawing for 100mm Air Release Valve Chamber on 250mm Pipe	3d	23-Jan-16 A	09-Mar-16 A	
SWJ-CH-SD-1330	Review & Approval of Shop drawing for 100mm Air Release Valve Chamber on 250mm Pipe	21d	27-Jan-16 A	15-Mar-16 A	
Material Submittals					
Civil Material Submittals					
SWJ-CMS-0990	Prep. & Sub. Backfilling Material Source	5d	13-Dec-15	17-Dec-15	
SWJ-CMS-1000	Review & Approval of Backfilling Material Source	21d	17-Dec-15	14-Jan-16 A	
SWJ-CMS-1010	Prep. & Sub. Base Course material Source	5d	02-Jan-16 A	06-Jan-16 A	
SWJ-CMS-1020	Review & Approval of Base Course material Source	21d	06-Jan-16 A	17-Jan-16 A	
SWJ-CMS-1030	Prep. & Sub. Reinforcement Steel Manufactures Data Sheets	5d	17-Dec-15	21-Dec-15	
SWJ-CMS-1040	Review & Approval of Reinforcement Steel Manufactures Data Sheets	21d	21-Dec-15	13-Jan-16 A	
SWJ-CMS-1050	Prep.&Submit Bituminous Cold Material	7d	22-Dec-15	26-Dec-15	
SWJ-CMS-1060	Review & Approval of Bituminous Cold Material	21d	27-Dec-15	07-Jan-16 A	
SWJ-CMS-1070	Prep.&Submit of Manhole Cover	7d	30-Dec-15	03-May-16	208d
SWJ-CMS-1080	Review & Approval of Manhole Cover	21d	03-Jan-16 A	23-May-16	176d
SWJ-CMS-1090	Prep.&Submit of Manhole rung	7d	02-Jan-16 A	03-May-16	212d
SWJ-CMS-1100	Review & Approval of Manhole rung	21d	03-Jan-16 A	17-May-16	181d
SWJ-CMS-1120	Prep. & Submit Water Stop	7d	22-Feb-16 A	06-Mar-16 A	
SWJ-CMS-1140	Review & Approval of Water Stop	21d	29-Feb-16 A	22-Mar-16 A	
SWJ-CMS-1150	Prep. & Sub. Concrete Mix Design	28d	29-Dec-15	18-Jan-16 A	
SWJ-CMS-1160	Review & Approval of Concrete Mix Design	21d	18-Jan-16 A	27-Jan-16 A	
SWJ-CMS-1170	Prep. & Sub. Bedding Material Source	5d	13-Dec-15	17-Dec-15	
SWJ-CMS-1180	Review & Approval of Bedding Material Source	21d	17-Dec-15	14-Jan-16 A	
SWJ-CMS-1200	Prep. & Sub. Identification Tape	5d	02-Jan-16 A	03-Jan-16 A	
SWJ-CMS-1210	Review & Approval of Identification Tape	21d	03-Jan-16 A	18-Jan-16 A	
SWJ-CMS-1240	Prep. & Sub. Material Testing lab	5d	19-Nov-15	24-Nov-15	
SWJ-CMS-1250	Review & Approval of Material Testing lab	21d	24-Nov-15	21-Dec-15	
SWJ-CMS-1260	Prep. & Sub. Water Quality Testing lab	5d	03-May-16	08-May-16	194d
SWJ-CMS-1270	Review & Approval of Water Quality Testing lab	21d	09-May-16	07-Jun-16	166d
SWJ-CMS-1280	Prep. & Sub. Welding Testing lab - Radiographic Third Party Testing Lab	5d	06-Jan-16 A	10-Jan-16 A	
SWJ-CMS-1290	Review & Approval of Welding Testing lab - Radiographic Third Party Testing Lab	21d	10-Jan-16 A	14-Jan-16 A	
SWJ-CMS-1300	Prep. & Sub. Proposed Welders for Welders Qualification Test – CVs	5d	07-Jan-16 A	10-Jan-16 A	
SWJ-CMS-1310	Review & Approval of Proposed Welders for Welders Qualification Test – CVs	21d	10-Jan-16 A	14-Jan-16 A	
SWJ-CMS-1320	Prep. & Sub. Non-Shrink Cementations Grout for Tie Rods (Conbextra HF)	5d	26-Dec-15	28-Dec-15	
SWJ-CMS-1330	Review & Approval of Non-Shrink Cementations Grout for Tie Rods (Conbextra HF)	21d	28-Dec-15	13-Jan-16 A	
SWJ-CMS-1340	Prep. & Sub. External Top Coating (Dekguard FC)& External Primer Coating (Nitocote SN522)	5d	24-Dec-15	28-Dec-15	
SWJ-CMS-1350	Review & Approval of External Top Coating (Dekguard FC)& External Primer Coating (Nitocote SN522)	21d	28-Dec-15	18-Jan-16 A	
SWJ-CMS-1360	Prep. & Sub. Internal Epoxy Coating (Nitocote EP405)	5d	24-Dec-15	28-Dec-15	
SWJ-CMS-1370	Review & Approval of Internal Epoxy Coating (Nitocote EP405)	21d	28-Dec-15	05-Apr-16 A	
SWJ-CMS-1380	Prep. & Sub. Cementation Repair Mortar (Renderoc FC)	5d	26-Dec-15	28-Dec-15	
SWJ-CMS-1390	Review & Approval of Cementation Repair Mortar (Renderoc FC)	21d	28-Dec-15	03-Jan-16 A	
SWJ-CMS-1400	Prep. & Sub. Concrete Ready Mix Company	5d	13-Jan-16 A	18-Jan-16 A	
SWJ-CMS-1410	Review & Approval of Concrete Ready Mix Company	21d	18-Jan-16 A	27-Jan-16 A	
SWJ-CMS-1420	Prep. & Sub. Asphalt Materials Source	5d	03-May-16	08-May-16	118d
SWJ-CMS-1430	Review & Approval of Asphalt Materials Source	21d	09-May-16	07-Jun-16	99d
SWJ-CMS-1440	Prep. & Sub. Prime Coat & Tack Coat	5d	03-May-16	08-May-16	118d



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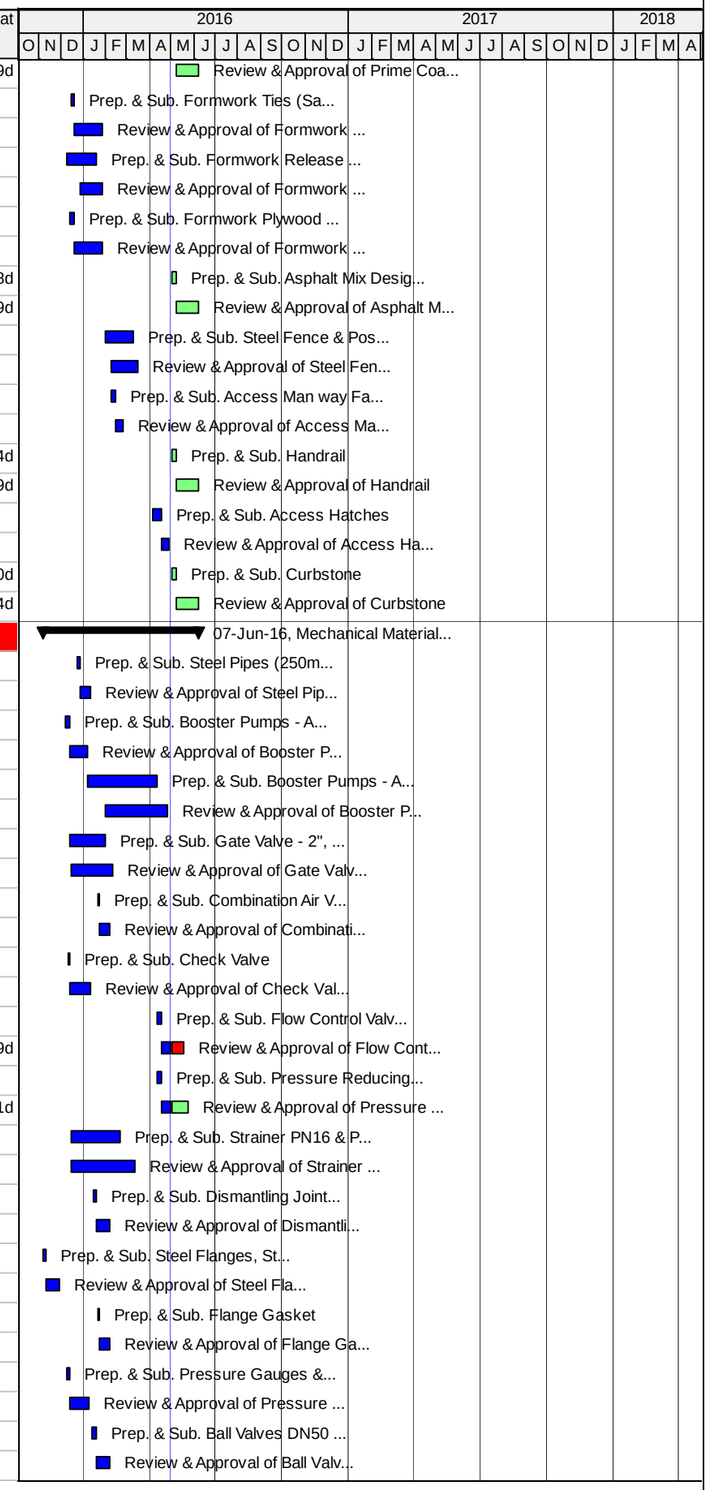
SWJ-CMS-1450	Review & Approval of Prime Coat & Tack Coat	21d	09-May-16	07-Jun-16	99d
SWJ-CMS-1460	Prep. & Sub. Formwork Ties (Sample)	5d	15-Dec-15	19-Dec-15	
SWJ-CMS-1470	Review & Approval of Formwork Ties (Sample)	21d	19-Dec-15	27-Jan-16 A	
SWJ-CMS-1480	Prep. & Sub. Formwork Release Agent	5d	10-Dec-15	19-Jan-16 A	
SWJ-CMS-1490	Review & Approval of Formwork Release Agent	21d	27-Dec-15	27-Jan-16 A	
SWJ-CMS-1500	Prep. & Sub. Formwork Plywood (Sample)	5d	14-Dec-15	19-Dec-15	
SWJ-CMS-1510	Review & Approval of Formwork Plywood (Sample)	21d	19-Dec-15	27-Jan-16 A	
SWJ-CMS-1540	Prep. & Sub. Asphalt Mix Design	5d	03-May-16	08-May-16	118d
SWJ-CMS-1550	Review & Approval of Asphalt Mix Design	21d	09-May-16	07-Jun-16	99d
SWJ-CMS-1560	Prep. & Sub. Steel Fence & Post	5d	01-Feb-16 A	10-Mar-16 A	
SWJ-CMS-1570	Review & Approval of Steel Fence & Post	21d	09-Feb-16 A	17-Mar-16 A	
SWJ-CMS-1580	Prep. & Sub. Access Man way Fabrication Detail	5d	09-Feb-16 A	15-Feb-16 A	
SWJ-CMS-1590	Review & Approval of Access Man way Fabrication Detail	21d	15-Feb-16 A	25-Feb-16 A	
SWJ-CMS-1600	Prep. & Sub. Handrail	5d	03-May-16	08-May-16	94d
SWJ-CMS-1610	Review & Approval of Handrail	21d	09-May-16	07-Jun-16	79d
SWJ-CMS-1620	Prep. & Sub. Access Hatches	5d	05-Apr-16 A	19-Apr-16 A	
SWJ-CMS-1630	Review & Approval of Access Hatches	21d	19-Apr-16 A	28-Apr-16 A	
SWJ-CMS-1640	Prep. & Sub. Curbstone	5d	03-May-16	08-May-16	100d
SWJ-CMS-1650	Review & Approval of Curbstone	21d	09-May-16	07-Jun-16	84d
Mechanical Material Submittals					
SWJ-MMS-1000	Prep. & Sub. Steel Pipes (250mm, 200mm, 150mm,100mm, 75mm, 50mm etc.)	15d	24-Dec-15	27-Dec-15	
SWJ-MMS-1010	Review & Approval of Steel Pipes (250mm, 200mm, 150mm,100mm, 75mm, 50mm etc.)	21d	27-Dec-15	11-Jan-16 A	
SWJ-MMS-1020	Prep. & Sub. Booster Pumps - AL MUTILLA BOOSTER	20d	08-Dec-15	14-Dec-15	
SWJ-MMS-1030	Review & Approval of Booster Pumps - AL MUTILLA BOOSTER	21d	14-Dec-15	07-Jan-16 A	
SWJ-MMS-1035	Prep. & Sub. Booster Pumps - AL MUTILLA BOOSTER - Second Submission	20d	07-Jan-16 A	12-Apr-16 A	
SWJ-MMS-1036	Review & Approval of Booster Pumps - AL MUTILLA BOOSTER - Second Submission	21d	01-Feb-16 A	27-Apr-16 A	
SWJ-MMS-1060	Prep. & Sub. Gate Valve - 2", 3" & 4"	10d	13-Dec-15	01-Feb-16 A	
SWJ-MMS-1070	Review & Approval of Gate Valve - 2", 3" & 4"	21d	15-Dec-15	11-Feb-16 A	
SWJ-MMS-1080	Prep. & Sub. Combination Air Valve	5d	21-Jan-16 A	24-Jan-16 A	
SWJ-MMS-1090	Review & Approval of Combination Air Valve	21d	24-Jan-16 A	07-Feb-16 A	
SWJ-MMS-1100	Prep. & Sub. Check Valve	5d	12-Dec-15	14-Dec-15	
SWJ-MMS-1110	Review & Approval of Check Valve	21d	14-Dec-15	11-Jan-16 A	
SWJ-MMS-1120	Prep. & Sub. Flow Control Valve	5d	11-Apr-16 A	18-Apr-16 A	
SWJ-MMS-1130	Review & Approval of Flow Control Valve	21d	18-Apr-16 A	18-May-16	-9d
SWJ-MMS-1140	Prep. & Sub. Pressure Reducing Valve	5d	11-Apr-16 A	18-Apr-16 A	
SWJ-MMS-1150	Review & Approval of Pressure Reducing Valve	21d	18-Apr-16 A	24-May-16	21d
SWJ-MMS-1160	Prep. & Sub. Strainer PN16 & PN25	5d	15-Dec-15	21-Feb-16 A	
SWJ-MMS-1170	Review & Approval of Strainer PN16 & PN25	21d	15-Dec-15	13-Mar-16 A	
SWJ-MMS-1180	Prep. & Sub. Dismantling Joint PN16 & 25	5d	16-Jan-16 A	20-Jan-16 A	
SWJ-MMS-1190	Review & Approval of Dismantling Joint PN16 & 25	21d	20-Jan-16 A	07-Feb-16 A	
SWJ-MMS-1200	Prep. & Sub. Steel Flanges, Steel Fittings (elbows, reducers, tees, etc.)	5d	07-Nov-15	11-Nov-15	
SWJ-MMS-1210	Review & Approval of Steel Flanges, Steel Fittings (elbows, reducers, tees, etc.)	21d	11-Nov-15	30-Nov-15	
SWJ-MMS-1220	Prep. & Sub. Flange Gasket	5d	21-Jan-16 A	24-Jan-16 A	
SWJ-MMS-1230	Review & Approval of Flange Gasket	21d	24-Jan-16 A	07-Feb-16 A	
SWJ-MMS-1240	Prep. & Sub. Pressure Gauges & Snubbers	5d	09-Dec-15	14-Dec-15	
SWJ-MMS-1250	Review & Approval of Pressure Gauges & Snubbers	21d	14-Dec-15	10-Jan-16 A	
SWJ-MMS-1260	Prep. & Sub. Ball Valves DN50 & Smaller	5d	14-Jan-16 A	20-Jan-16 A	
SWJ-MMS-1270	Review & Approval of Ball Valves DN50 & Smaller	21d	20-Jan-16 A	07-Feb-16 A	



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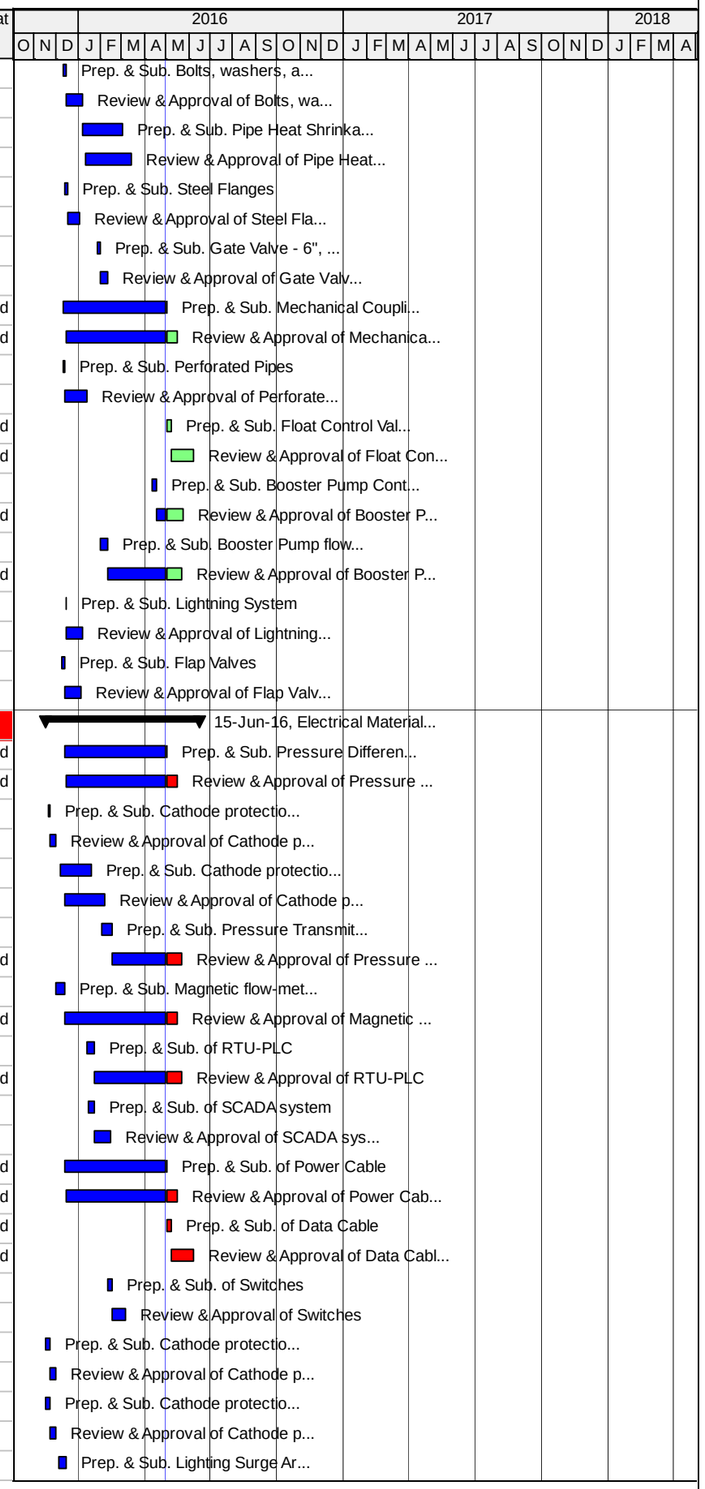
SWJ-MMS-1280	Prep. & Sub. Bolts, washers, and nuts	5d	12-Dec-15	15-Dec-15	
SWJ-MMS-1290	Review & Approval of Bolts, washers, and nuts	21d	15-Dec-15	07-Jan-16 A	
SWJ-MMS-1300	Prep. & Sub. Pipe Heat Shrinkable Sleeve & Tape	5d	07-Jan-16 A	02-Mar-16 A	
SWJ-MMS-1310	Review & Approval of Pipe Heat Shrinkable Sleeve & Tape	21d	12-Jan-16 A	14-Mar-16 A	
SWJ-MMS-1320	Prep. & Sub. Steel Flanges	5d	13-Dec-15	17-Dec-15	
SWJ-MMS-1330	Review & Approval of Steel Flanges	21d	17-Dec-15	03-Jan-16 A	
SWJ-MMS-1340	Prep. & Sub. Gate Valve - 6", 8" & 10"- PN16-40	10d	27-Jan-16 A	01-Feb-16 A	
SWJ-MMS-1350	Review & Approval of Gate Valve - 6", 8" & 10"- PN16-40	21d	01-Feb-16 A	11-Feb-16 A	
SWJ-MMS-1360	Prep. & Sub. Mechanical Coupling	10d	12-Dec-15	03-May-16	32d
SWJ-MMS-1370	Review & Approval of Mechanical Coupling	21d	15-Dec-15	17-May-16	27d
SWJ-MMS-1380	Prep. & Sub. Perforated Pipes	10d	12-Dec-15	14-Dec-15	
SWJ-MMS-1390	Review & Approval of Perforated Pipes	21d	14-Dec-15	13-Jan-16 A	
SWJ-MMS-1400	Prep. & Sub. Float Control Valve	5d	03-May-16	08-May-16	14d
SWJ-MMS-1410	Review & Approval of Float Control Valve	21d	09-May-16	07-Jun-16	12d
SWJ-MMS-1420	Prep. & Sub. Booster Pump Control Valves	5d	11-Apr-16 A	18-Apr-16 A	
SWJ-MMS-1430	Review & Approval of Booster Pump Control Valves	21d	18-Apr-16 A	24-May-16	21d
SWJ-MMS-1440	Prep. & Sub. Booster Pump flow meter	5d	01-Feb-16 A	11-Feb-16 A	
SWJ-MMS-1450	Review & Approval of Booster Pump flow meter	21d	11-Feb-16 A	23-May-16	22d
SWJ-MMS-1520	Prep. & Sub. Lightning System	5d	15-Dec-15	15-Dec-15	
SWJ-MMS-1530	Review & Approval of Lightning System	21d	15-Dec-15	07-Jan-16 A	
SWJ-MMS-1600	Prep. & Sub. Flap Valves	5d	09-Dec-15	13-Dec-15	
SWJ-MMS-1610	Review & Approval of Flap Valves	21d	13-Dec-15	04-Jan-16 A	
Electrical Material Submittals					
SWJ-EMS-100	Prep. & Sub. Pressure Differential switches	9d	13-Dec-15	03-May-16	-11d
SWJ-EMS-110	Review & Approval of Pressure differential switches	21d	15-Dec-15	17-May-16	-5d
SWJ-EMS-140	Prep. & Sub. Cathode protection:High Potential Magnesium Anodes	5d	21-Nov-15	24-Nov-15	
SWJ-EMS-150	Review & Approval of Cathode protection: High Potential Magnesium Anodes	21d	24-Nov-15	01-Dec-15	
SWJ-EMS-160	Prep. & Sub. Cathode protection: Accessories, flanges insulating kit	5d	08-Dec-15	20-Jan-16 A	
SWJ-EMS-170	Review & Approval of Cathode protection: Accessories, flanges insulating kit	21d	14-Dec-15	07-Feb-16 A	
SWJ-EMS-180	Prep. & Sub. Pressure Transmitters	5d	03-Feb-16 A	16-Feb-16 A	
SWJ-EMS-190	Review & Approval of Pressure Transmitters	21d	16-Feb-16 A	23-May-16	-9d
SWJ-EMS-200	Prep. & Sub. Magnetic flow-meters	5d	01-Dec-15	14-Dec-15	
SWJ-EMS-210	Review & Approval of Magnetic flow-meters	21d	14-Dec-15	17-May-16	-5d
SWJ-EMS-220	Prep. & Sub. of RTU-PLC	20d	13-Jan-16 A	24-Jan-16 A	
SWJ-EMS-230	Review & Approval of RTU-PLC	21d	24-Jan-16 A	23-May-16	-9d
SWJ-EMS-240	Prep. & Sub. of SCADA system	20d	16-Jan-16 A	24-Jan-16 A	
SWJ-EMS-250	Review & Approval of SCADA system	21d	24-Jan-16 A	15-Feb-16 A	
SWJ-EMS-260	Prep. & Sub. of Power Cable	5d	13-Dec-15	03-May-16	-6d
SWJ-EMS-270	Review & Approval of Power Cable	21d	16-Dec-15	17-May-16	-5d
SWJ-EMS-280	Prep. & Sub. of Data Cable	5d	03-May-16	08-May-16	-23d
SWJ-EMS-290	Review & Approval of Data Cable	21d	09-May-16	07-Jun-16	-19d
SWJ-EMS-320	Prep. & Sub. of Switches	5d	10-Feb-16 A	16-Feb-16 A	
SWJ-EMS-330	Review & Approval of Switches	21d	16-Feb-16 A	06-Mar-16 A	
SWJ-EMS-440	Prep. & Sub. Cathode protection: Test Stations	5d	17-Nov-15	24-Nov-15	
SWJ-EMS-450	Review & Approval of Cathode protection: Test Stations	21d	24-Nov-15	01-Dec-15	
SWJ-EMS-460	Prep. & Sub. Cathode protection: Accessories: Link Seal	5d	17-Nov-15	24-Nov-15	
SWJ-EMS-470	Review & Approval of Cathode protection: Accessories: Link Seal	21d	24-Nov-15	01-Dec-15	
SWJ-EMS-480	Prep. & Sub. Lighting Surge Arrestor	5d	05-Dec-15	15-Dec-15	



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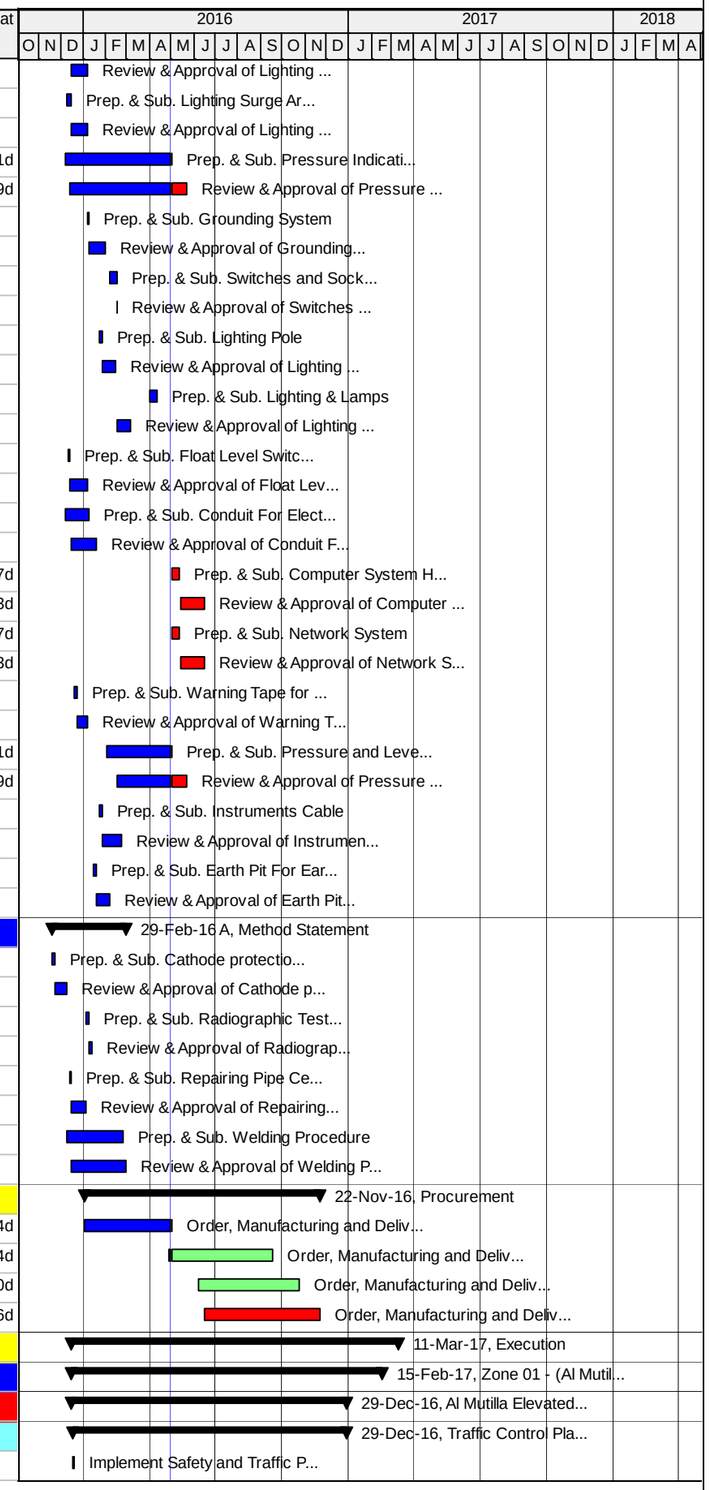
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
SWJ-EMS-490	Review & Approval of Lighting Surge Arrestor	21d	15-Dec-15	07-Jan-16 A	
SWJ-EMS-500	Prep. & Sub. Lighting Surge Arrestor Cabinet	5d	10-Dec-15	15-Dec-15	
SWJ-EMS-510	Review & Approval of Lighting Surge Arrestor Cabinet	21d	15-Dec-15	07-Jan-16 A	
SWJ-EMS-520	Prep. & Sub. Pressure Indicating Transmitter	9d	07-Dec-15	03-May-16	-11d
SWJ-EMS-530	Review & Approval of Pressure Indicating Transmitter	21d	14-Dec-15	23-May-16	-9d
SWJ-EMS-540	Prep. & Sub. Grounding System	9d	06-Jan-16 A	10-Jan-16 A	
SWJ-EMS-550	Review & Approval of Grounding System	21d	10-Jan-16 A	01-Feb-16 A	
SWJ-EMS-560	Prep. & Sub. Switches and Sockets	9d	07-Feb-16 A	16-Feb-16 A	
SWJ-EMS-570	Review & Approval of Switches and Sockets	21d	16-Feb-16 A	16-Feb-16 A	
SWJ-EMS-580	Prep. & Sub. Lighting Pole	9d	24-Jan-16 A	27-Jan-16 A	
SWJ-EMS-590	Review & Approval of Lighting Pole	21d	27-Jan-16 A	14-Feb-16 A	
SWJ-EMS-600	Prep. & Sub. Lighting & Lamps	9d	02-Apr-16 A	11-Apr-16 A	
SWJ-EMS-610	Review & Approval of Lighting & Lamps	21d	16-Feb-16 A	06-Mar-16 A	
SWJ-EMS-640	Prep. & Sub. Float Level Switch	9d	12-Dec-15	14-Dec-15	
SWJ-EMS-650	Review & Approval of Float Level Switch	21d	14-Dec-15	07-Jan-16 A	
SWJ-EMS-660	Prep. & Sub. Conduit For Electrical Work	9d	08-Dec-15	09-Jan-16 A	
SWJ-EMS-670	Review & Approval of Conduit For Electrical Work	21d	16-Dec-15	20-Jan-16 A	
SWJ-EMS-680	Prep. & Sub. Computer System Hardware	9d	03-May-16	12-May-16	-27d
SWJ-EMS-690	Review & Approval of Computer System Hardware	21d	15-May-16	15-Jun-16	-23d
SWJ-EMS-700	Prep. & Sub. Network System	9d	03-May-16	12-May-16	-27d
SWJ-EMS-710	Review & Approval of Network System	21d	15-May-16	15-Jun-16	-23d
SWJ-EMS-720	Prep. & Sub. Warning Tape for Electrical Work	9d	20-Dec-15	23-Dec-15	
SWJ-EMS-730	Review & Approval of Warning Tape for Electrical Work	21d	23-Dec-15	07-Jan-16 A	
SWJ-EMS-740	Prep. & Sub. Pressure and Level Instrument	9d	02-Feb-16 A	03-May-16	-11d
SWJ-EMS-750	Review & Approval of Pressure and Level Instrument	21d	16-Feb-16 A	23-May-16	-9d
SWJ-EMS-760	Prep. & Sub. Instruments Cable	9d	23-Jan-16 A	27-Jan-16 A	
SWJ-EMS-770	Review & Approval of Instruments Cable	21d	27-Jan-16 A	22-Feb-16 A	
SWJ-EMS-780	Prep. & Sub. Earth Pit For Earthing Electrode - With Sample.	9d	16-Jan-16 A	20-Jan-16 A	
SWJ-EMS-790	Review & Approval of Earth Pit For Earthing Electrode - With Sample.	21d	20-Jan-16 A	07-Feb-16 A	
Method Statement					
SWJ-MSS-1000	Prep. & Sub. Cathode protection Installation Method Statement	5d	18-Nov-15	24-Nov-15	
SWJ-MSS-1010	Review & Approval of Cathode protection Installation Method Statement	21d	24-Nov-15	09-Dec-15	
SWJ-MSS-1020	Prep. & Sub. Radiographic Testing method statement and safety plan	5d	05-Jan-16 A	10-Jan-16 A	
SWJ-MSS-1030	Review & Approval of Radiographic Testing method statement and safety plan	21d	10-Jan-16 A	14-Jan-16 A	
SWJ-MSS-1040	Prep. & Sub. Repairing Pipe Cement Mortar Lining method Statement	5d	13-Dec-15	15-Dec-15	
SWJ-MSS-1050	Review & Approval of Repairing Pipe Cement Mortar Lining method Statement	21d	15-Dec-15	04-Jan-16 A	
SWJ-MSS-1060	Prep. & Sub. Welding Procedure	10d	10-Dec-15	25-Feb-16 A	
SWJ-MSS-1070	Review & Approval of Welding Procedure	21d	15-Dec-15	29-Feb-16 A	
Procurement					
A1440	Order, Manufacturing and Delivery of Steel Pipes (250mm, 200mm, 150mm, etc.)	120d	03-Jan-16 A	02-May-16	-24d
A1450	Order, Manufacturing and Delivery of Booster Pump	170d	28-Apr-16 A	18-Sep-16	24d
A1460	Order, Manufacturing and Delivery of Mechanical Valves and fittings	140d	07-Jun-16	25-Oct-16	30d
A1470	Order, Manufacturing and Delivery of Electrical components and SCADA System	160d	15-Jun-16	22-Nov-16	-36d
Execution					
Zone 01 - (Al Mutilla and Jalqamus)					
Al Mutilla Elevated Reservoir – New Construction 500 m3					
Traffic Control Plan and Safety					
E-MTR-1030	Implement Safety and Traffic Plan	2d	17-Dec-15	20-Dec-15	



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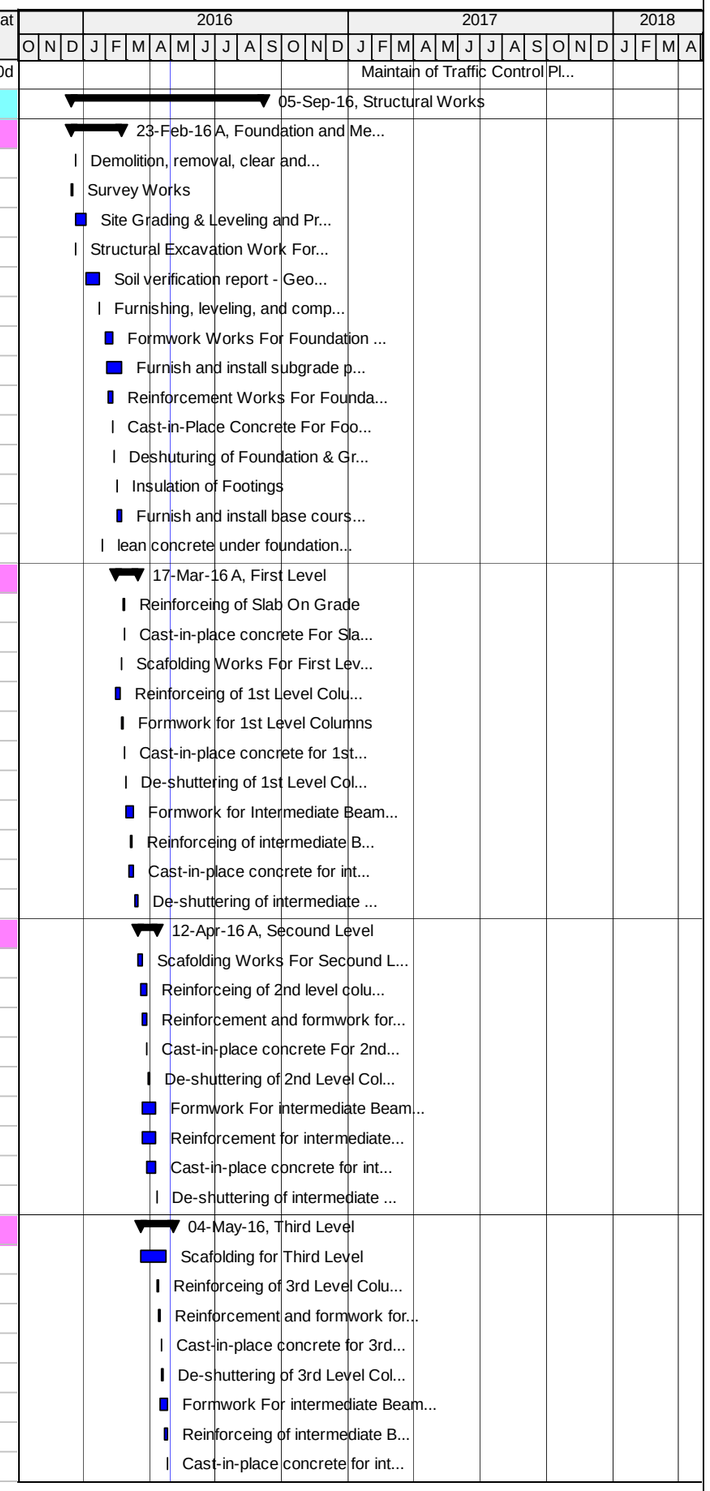
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-MTR-1050	Maintain of Traffic Control Plan and Safety measures for Al Mutilla Elevated Reservoir	259d	20-Dec-15	29-Dec-16	-30d
Structural Works					
Foundation and Mechanical Room					
E-MTR-1040	Demolition, removal, clear and grub site	2d	21-Dec-15	21-Dec-15	
E-MTR-1060	Survey Works	1d	16-Dec-15	17-Dec-15	
E-MTR-1070	Site Grading & Leveling and Preparation	2d	21-Dec-15	05-Jan-16 A	
E-MTR-1080	Structural Excavation Work For Foundations & Grade Beams	5d	21-Dec-15	21-Dec-15	
E-MTR-1085	Soil verification report - Geotechnical report	3d	04-Jan-16 A	23-Jan-16 A	
E-MTR-1090	Furnishing, leveling, and compacting of subgrade layer under footing	3d	23-Jan-16 A	23-Jan-16 A	
E-MTR-1100	Formwork Works For Foundation & Grade Beams	5d	01-Feb-16 A	10-Feb-16 A	
E-MTR-1110	Furnish and install subgrade piping	3d	03-Feb-16 A	23-Feb-16 A	
E-MTR-1120	Reinforcement Works For Foundation & Ground Beams	6d	04-Feb-16 A	10-Feb-16 A	
E-MTR-1130	Cast-in-Place Concrete For Footings	1d	10-Feb-16 A	10-Feb-16 A	
E-MTR-1150	Deshuturing of Foundation & Grade Beams	2d	13-Feb-16 A	13-Feb-16 A	
E-MTR-1160	Insulation of Footings	2d	16-Feb-16 A	17-Feb-16 A	
E-MTR-1170	Furnish and install base course (200mm in depth) under Slab On Grade	5d	16-Feb-16 A	22-Feb-16 A	
E-MTR-1970	lean concrete under foundation for reservoir	3d	27-Jan-16 A	27-Jan-16 A	
First Level					
E-MTR-1180	Reinforceing of Slab On Grade	2d	24-Feb-16 A	27-Feb-16 A	
E-MTR-1190	Cast-in-place concrete For Slab On Grade	1d	27-Feb-16 A	27-Feb-16 A	
E-MTR-1200	Scafolding Works For First Level	3d	23-Feb-16 A	23-Feb-16 A	
E-MTR-1210	Reinforceing of 1st Level Columns	4d	14-Feb-16 A	21-Feb-16 A	
E-MTR-1250	Formwork for 1st Level Columns	2d	23-Feb-16 A	25-Feb-16 A	
E-MTR-1270	Cast-in-place concrete for 1st Level Columns	1d	27-Feb-16 A	27-Feb-16 A	
E-MTR-1290	De-shuttering of 1st Level Columns	1d	29-Feb-16 A	29-Feb-16 A	
E-MTR-1310	Formwork for Intermediate Beams & Stairs 1st Level	5d	29-Feb-16 A	10-Mar-16 A	
E-MTR-1330	Reinforceing of intermediate Beams & Stairs 1st Level	3d	06-Mar-16 A	09-Mar-16 A	
E-MTR-1360	Cast-in-place concrete for intermediate Beams & Stairs 1st Level	1d	05-Mar-16 A	10-Mar-16 A	
E-MTR-1400	De-shuttering of intermediate Beams & Stairs 1st Level	2d	13-Mar-16 A	17-Mar-16 A	
Secound Level					
E-MTR-1410	Scafolding Works For Secound Level	3d	17-Mar-16 A	23-Mar-16 A	
E-MTR-1420	Reinforceing of 2nd level columns	2d	20-Mar-16 A	29-Mar-16 A	
E-MTR-1430	Reinforcement and formwork for 2nd Level Columns and Valve Room walls	4d	23-Mar-16 A	29-Mar-16 A	
E-MTR-1440	Cast-in-place concrete For 2nd Level Columns and Valve Room walls	1d	29-Mar-16 A	29-Mar-16 A	
E-MTR-1460	De-shuttering of 2nd Level Columns	2d	31-Mar-16 A	02-Apr-16 A	
E-MTR-1470	Formwork For intermediate Beams & Stairs 2nd Level and Valve room slab	3d	22-Mar-16 A	09-Apr-16 A	
E-MTR-1490	Reinforcement for intermediate Beams & Stairs 2nd Level and Valve room slab	4d	23-Mar-16 A	09-Apr-16 A	
E-MTR-1500	Cast-in-place concrete for intermediate beams Beams & Stairs 2nd Level and Valve room slab	1d	29-Mar-16 A	09-Apr-16 A	
E-MTR-1510	De-shuttering of intermediate Beams & Stairs 2nd Level	3d	11-Apr-16 A	12-Apr-16 A	
Third Level					
E-MTR-1520	Scafolding for Third Level	3d	21-Mar-16 A	24-Apr-16 A	
E-MTR-1530	Reinforceing of 3rd Level Columns	2d	12-Apr-16 A	14-Apr-16 A	
E-MTR-1540	Reinforcement and formwork for 3rd Level Columns	2d	14-Apr-16 A	17-Apr-16 A	
E-MTR-1550	Cast-in-place concrete for 3rd Level Columns	1d	18-Apr-16 A	18-Apr-16 A	
E-MTR-1560	De-shuttering of 3rd Level Columns	2d	19-Apr-16 A	20-Apr-16 A	
E-MTR-1570	Formwork For intermediate Beams & Stairs 3rd Level	3d	16-Apr-16 A	27-Apr-16 A	
E-MTR-1580	Reinforceing of intermediate Beams & Stairs 3rd Level	3d	23-Apr-16 A	27-Apr-16 A	
E-MTR-1590	Cast-in-place concrete for intermediate Beams & Stairs 3rd Level	1d	27-Apr-16 A	27-Apr-16 A	



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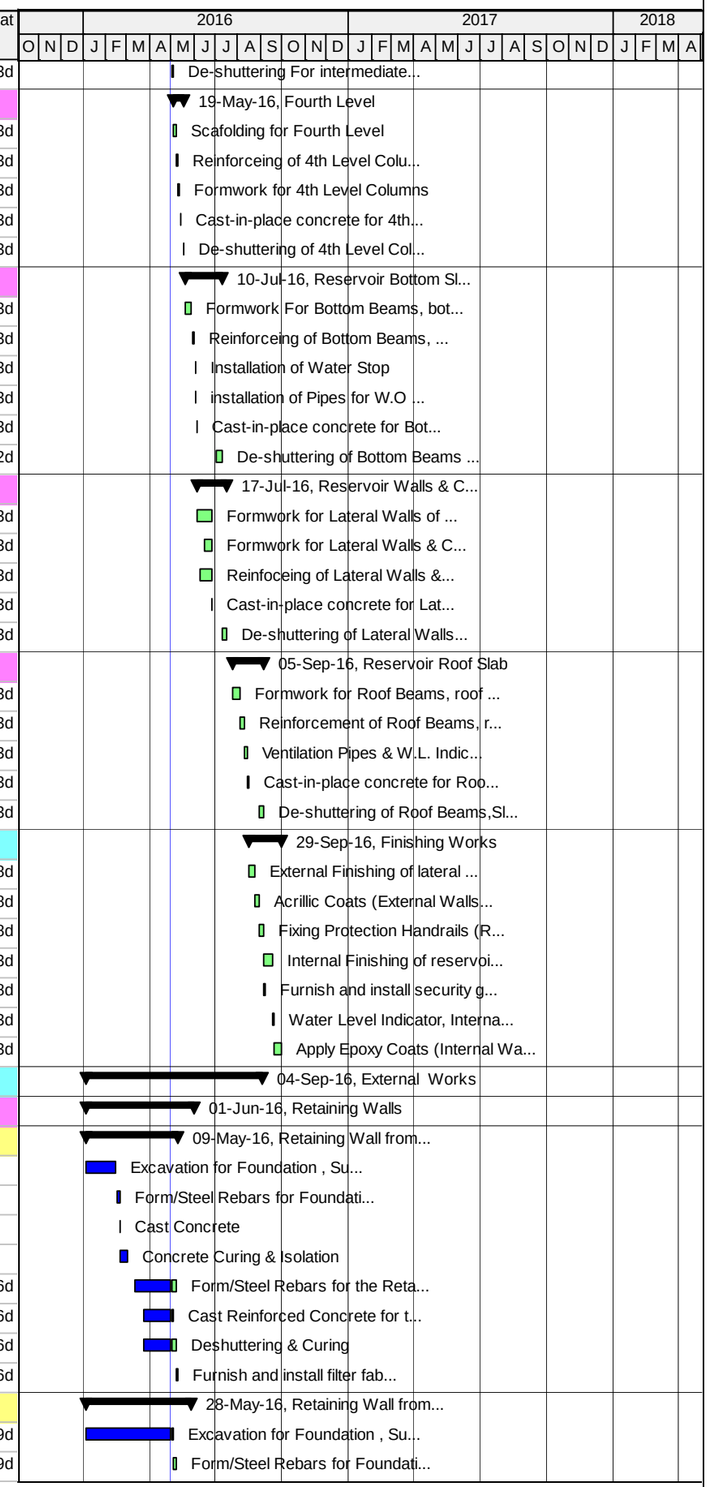
E-MTR-1600	De-shuttering For intermediate Beams & Stairs 3rd Level	2d	03-May-16	04-May-16	23d
Fourth Level					
E-MTR-1610	Scafolding for Fourth Level	3d	05-May-16	08-May-16	23d
E-MTR-1620	Reinforceing of 4th Level Columns	2d	09-May-16	10-May-16	23d
E-MTR-1630	Formwork for 4th Level Columns	2d	11-May-16	12-May-16	23d
E-MTR-1640	Cast-in-place concrete for 4th Level Columns	1d	14-May-16	14-May-16	23d
E-MTR-1650	De-shuttering of 4th Level Columns	2d	18-May-16	19-May-16	23d
Reservoir Bottom Slab					
E-MTR-1660	Formwork For Bottom Beams, bottom Slab &Stairs of Reservoir	8d	21-May-16	29-May-16	23d
E-MTR-1670	Reinforceing of Bottom Beams, bottom Slab &Stairs of R.voir	4d	30-May-16	02-Jun-16	23d
E-MTR-1680	Installation of Water Stop	1d	04-Jun-16	04-Jun-16	23d
E-MTR-1690	installation of Pipes for W.O & Over Flow , inlet, outlet	1d	04-Jun-16	04-Jun-16	23d
E-MTR-1700	Cast-in-place concrete for Bottom Beams, Bottom Slab & Stairs of R.voir	1d	05-Jun-16	06-Jun-16	23d
E-MTR-1770	De-shuttering of Bottom Beams & Slab&Stair of R.oir	3d	02-Jul-16	10-Jul-16	92d
Reservoir Walls & Columns					
E-MTR-1720	Formwork for Lateral Walls of reservoir - Exterior	11d	06-Jun-16	26-Jun-16	23d
E-MTR-1730	Formwork for Lateral Walls & Central Column - Interior	5d	15-Jun-16	25-Jun-16	23d
E-MTR-1740	Reinfoceing of Lateral Walls & Central Column	8d	09-Jun-16	25-Jun-16	23d
E-MTR-1750	Cast-in-place concrete for Lateral Walls & Central Column	1d	25-Jun-16	26-Jun-16	23d
E-MTR-1780	De-shuttering of Lateral Walls & Central Columns	5d	11-Jul-16	17-Jul-16	23d
Reservoir Roof Slab					
E-MTR-1800	Formwork for Roof Beams, roof Slab & Stairs	8d	25-Jul-16	03-Aug-16	23d
E-MTR-1810	Reinforcement of Roof Beams, roof Slab & Stair	6d	03-Aug-16	10-Aug-16	23d
E-MTR-1820	Ventilation Pipes & W.L. Indicators	3d	10-Aug-16	14-Aug-16	23d
E-MTR-1830	Cast-in-place concrete for Roof Beams,Slab & Stair	1d	14-Aug-16	15-Aug-16	23d
E-MTR-1860	De-shuttering of Roof Beams,Slab & Stair	4d	31-Aug-16	05-Sep-16	23d
Finishing Works					
E-MTR-1840	External Finishing of lateral walls of reservoir and Filling of Pin Holles	8d	15-Aug-16	24-Aug-16	58d
E-MTR-1850	Acrillic Coats (External Walls) & Base	6d	24-Aug-16	31-Aug-16	58d
E-MTR-1870	Fixing Protection Handrails (Roof,Stairs,R.voi)	4d	31-Aug-16	05-Sep-16	58d
E-MTR-1890	Internal Finishing of reservoir	7d	05-Sep-16	18-Sep-16	23d
E-MTR-1900	Furnish and install security gate and fence at reservoir base	3d	05-Sep-16	08-Sep-16	58d
E-MTR-1910	Water Level Indicator, Internal ladder and Hatch cover	2d	18-Sep-16	20-Sep-16	23d
E-MTR-1920	Apply Epoxy Coats (Internal Walls) & Base	8d	20-Sep-16	29-Sep-16	23d
External Works					
Retaining Walls					
Retaining Wall from Station 01 to station 03 (South)					
E-MTR-5000	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	2d	05-Jan-16 A	15-Feb-16 A	
E-MTR-5010	Form/Steel Rebars for Foundation	4d	16-Feb-16 A	20-Feb-16 A	
E-MTR-5040	Cast Concrete	1d	20-Feb-16 A	20-Feb-16 A	
E-MTR-5060	Concrete Curing & Isolation	7d	21-Feb-16 A	02-Mar-16 A	
E-MTR-5070	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	10d	13-Mar-16 A	08-May-16	126d
E-MTR-5160	Cast Reinforced Concrete for the Retaining Wall	1d	24-Mar-16 A	03-May-16	126d
E-MTR-5180	Deshuttering & Curing	7d	25-Mar-16 A	07-May-16	126d
E-MTR-5210	Furnish and install filter fabric and Base Course 150mm	2d	07-May-16	09-May-16	126d
Retaining Wall from Station 03 to station 05 (North)					
E-MTR-5020	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	2d	05-Jan-16 A	03-May-16	109d
E-MTR-5050	Form/Steel Rebars for Foundation	4d	04-May-16	08-May-16	109d



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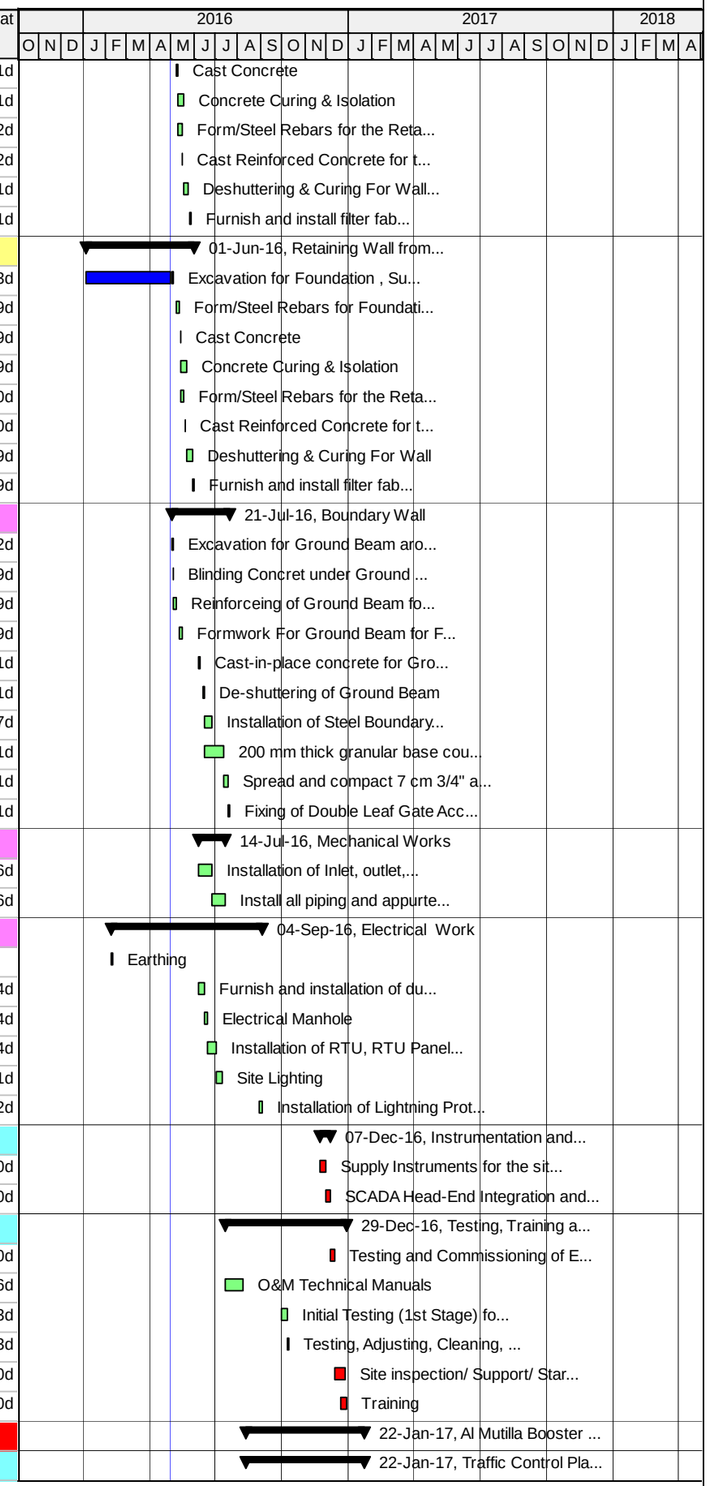
E-MTR-5080	Cast Concrete	1d	09-May-16	09-May-16	111d
E-MTR-5100	Concrete Curing & Isolation	7d	10-May-16	17-May-16	111d
E-MTR-5110	Form/Steel Rebars for the Retaining Walls with Drain System - Fence Steel Props Installation	5d	10-May-16	15-May-16	112d
E-MTR-5150	Cast Reinforced Concrete for the Retaining Wall	1d	16-May-16	16-May-16	112d
E-MTR-5170	Deshuttering & Curing For Walls	7d	18-May-16	25-May-16	111d
E-MTR-5220	Furnish and install filter fabric and Base Course 150mm	2d	26-May-16	28-May-16	111d
Retaining Wall from Station 06 to station 01 (West)					
E-MTR-5030	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	2d	05-Jan-16 A	03-May-16	113d
E-MTR-5090	Form/Steel Rebars for Foundation	4d	09-May-16	12-May-16	109d
E-MTR-5120	Cast Concrete	1d	14-May-16	14-May-16	109d
E-MTR-5130	Concrete Curing & Isolation	7d	15-May-16	22-May-16	109d
E-MTR-5140	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	15-May-16	19-May-16	110d
E-MTR-5190	Cast Reinforced Concrete for the Retaining Wall	1d	21-May-16	21-May-16	110d
E-MTR-5200	Deshuttering & Curing For Wall	7d	23-May-16	30-May-16	109d
E-MTR-5230	Furnish and install filter fabric and Base Course 150mm	2d	31-May-16	01-Jun-16	109d
Boundary Wall					
E-MTR-1220	Excavation for Ground Beam around Yard for Fence	1d	03-May-16	03-May-16	112d
E-MTR-1230	Blinding Concret under Ground Beam for Fence	1d	04-May-16	04-May-16	119d
E-MTR-1260	Reinforceing of Ground Beam for Fence	3d	05-May-16	08-May-16	119d
E-MTR-1320	Formwork For Ground Beam for Fence	3d	12-May-16	15-May-16	119d
E-MTR-1340	Cast-in-place concrete for Ground Beam for Fence	1d	07-Jun-16	09-Jun-16	101d
E-MTR-1370	De-shuttering of Ground Beam	1d	14-Jun-16	16-Jun-16	101d
E-MTR-1380	Installation of Steel Boundary Fence	5d	16-Jun-16	26-Jun-16	117d
E-MTR-1390	200 mm thick granular base course and Concrete Sidewalk as per Detail C-416	14d	16-Jun-16	13-Jul-16	101d
E-MTR-1450	Spread and compact 7 cm 3/4" asphalt concrete (7cm after compaction) with MCO prime coat for Yard	5d	13-Jul-16	19-Jul-16	101d
E-MTR-1480	Fixing of Double Leaf Gate Access gate as per detail C-117	2d	19-Jul-16	21-Jul-16	101d
Mechanical Works					
E-MTR-1710	Installation of Inlet, outlet, washout and overflow Pipes in the Yard including Riprap as per Detail C-332	10d	07-Jun-16	26-Jun-16	76d
E-MTR-1760	Install all piping and appurtenances including control valve, backflow valve, check valve, misc	10d	26-Jun-16	14-Jul-16	76d
Electrical Work					
E-MTR-1140	Earthing	3d	09-Feb-16 A	10-Feb-16 A	
E-MTR-1240	Furnish and installation of duct banks, Cables & Electrical Utility power supply	5d	07-Jun-16	16-Jun-16	84d
E-MTR-1280	Electrical Manhole	2d	16-Jun-16	20-Jun-16	84d
E-MTR-1300	Installation of RTU, RTU Panel and breaker Panel, electrical conduit and wire complete for RTU	7d	20-Jun-16	03-Jul-16	84d
E-MTR-1350	Site Lighting	2d	03-Jul-16	10-Jul-16	111d
E-MTR-1880	Installation of Lightning Protection and Grounding System	3d	31-Aug-16	04-Sep-16	62d
Instrumentation and SCADA Programming					
E-MTR-1000	Supply Instruments for the site and its facilities and Structures per section 13500A, P&ID	8d	22-Nov-16	01-Dec-16	-30d
E-MTR-1010	SCADA Head-End Integration and Programming	5d	01-Dec-16	07-Dec-16	-30d
Testing, Training and Commissioning					
E-MTR-1020	Testing and Commissioning of Electrical and Control System and Equipment	5d	07-Dec-16	13-Dec-16	-30d
E-MTR-1790	O&M Technical Manuals	20d	14-Jul-16	07-Aug-16	76d
E-MTR-1930	Initial Testing (1st Stage) for Water Tightness	7d	29-Sep-16	08-Oct-16	23d
E-MTR-1940	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	3d	08-Oct-16	11-Oct-16	23d
E-MTR-1950	Site inspection/ Support/ Start up	9d	13-Dec-16	27-Dec-16	-30d
E-MTR-1960	Training	7d	20-Dec-16	29-Dec-16	-30d
Al Mutilla Booster Station					
Traffic Control Plan and Safety Measures					



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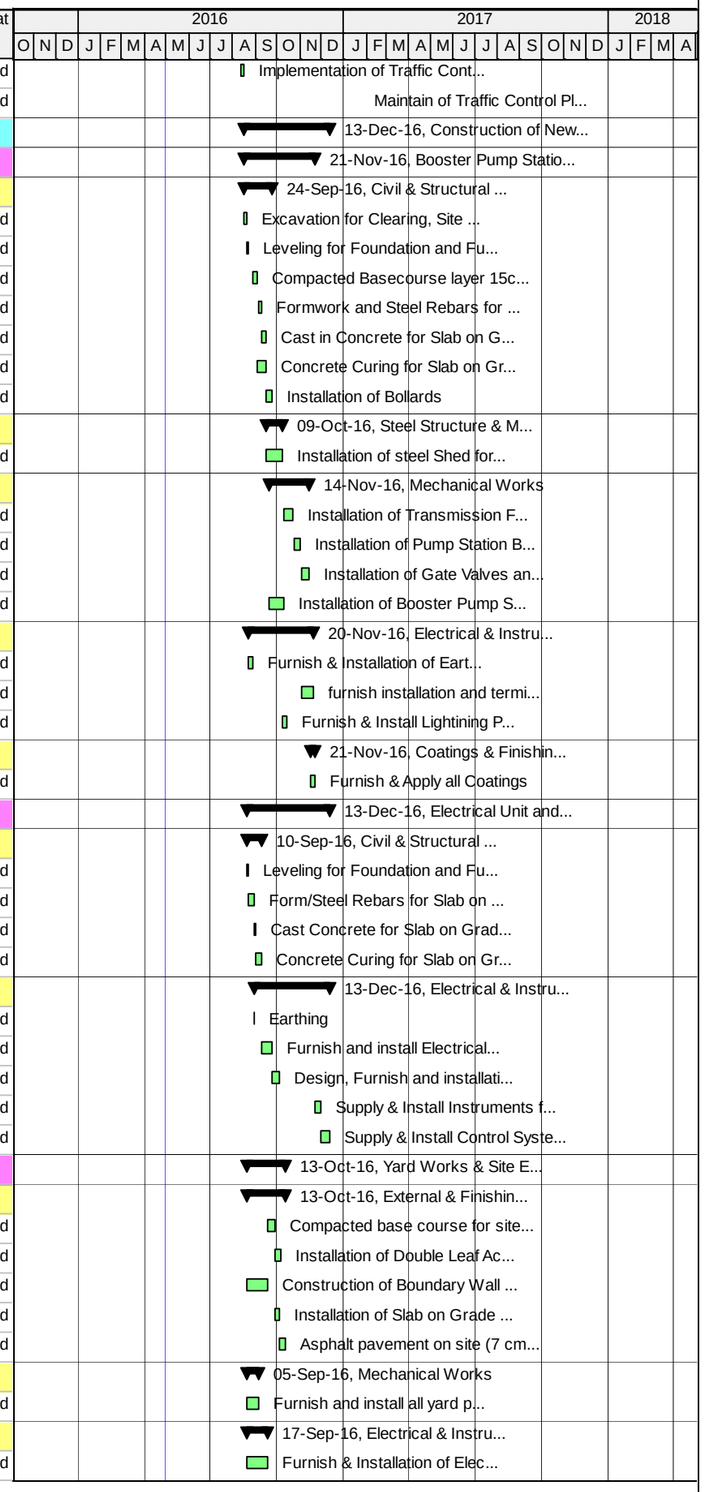
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
MTB-005	Implementation of Traffic Control Plan and Safety Measure	3d	11-Aug-16	15-Aug-16	177d
MTB-006	Maintain of Traffic Control Plan and Safety measures for Al Mutilla Booster Station	125d	15-Aug-16	22-Jan-17	3d
Construction of New Pump Station					
Booster Pump Station and Transmission Flow Meter					
Civil & Structural Works					
MTB-010	Excavation for Clearing, Site Grading & Preparation	4d	15-Aug-16	20-Aug-16	24d
MTB-BP-040	Leveling for Foundation and Furnishing, leveling, and compacting of subgrade layer	3d	20-Aug-16	23-Aug-16	24d
MTB-BP-050	Compacted Basecourse layer 15cm for Booster Pump Slab and Transmission Flow Meter Pad	5d	29-Aug-16	04-Sep-16	24d
MTB-BP-060	Formwork and Steel Rebars for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	4d	05-Sep-16	10-Sep-16	23d
MTB-BP-070	Cast in Concrete for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	1d	10-Sep-16	15-Sep-16	23d
MTB-BP-080	Concrete Curing for Slab on Grade of Booster Pump and Transmission Flow Meter Pad	7d	03-Sep-16	15-Sep-16	23d
MTB-BP-130	Installation of Bollards	7d	15-Sep-16	24-Sep-16	98d
Steel Structure & Metal Works					
MTB-BP-000115	Installation of steel Shed for Booster Pump	20d	15-Sep-16	09-Oct-16	80d
Mechanical Works					
MTB-BP-M-00005	Installation of Transmission Flow Meter Pad includuing 50mm and 150 mm pipes, reducers and supports	12d	10-Oct-16	23-Oct-16	21d
MTB-BP-M-00010	Installation of Pump Station Bypass Piping includuing 150 mm pipes, reducers and supports	9d	24-Oct-16	02-Nov-16	21d
MTB-BP-M-00012	Installation of Gate Valves and Swing Check Valve 150mm and Transmission Flow Meter Pad	10d	03-Nov-16	14-Nov-16	21d
MTB-BP-M-12	Installation of Booster Pump Skid including Pump inlet Header and Pump discharge header	18d	19-Sep-16	09-Oct-16	21d
Electrical & Instrumentation Works					
MTB-BP-E-00010	Furnish & Installation of Earthing, Ductbanks & Raceway	5d	23-Aug-16	29-Aug-16	24d
MTB-BP-E-00020	furnish installation and termination of transmission pump power and controls wire	14d	03-Nov-16	20-Nov-16	23d
MTB-BP-E-00050	Furnish & Install Lightining Protection, Recepticles & Process Control Instrumentation	5d	09-Oct-16	15-Oct-16	80d
Coatings & Finishing Works					
MTB-BP-000130	Furnish & Apply all Coatings	5d	16-Nov-16	21-Nov-16	49d
Electrical Unit and Transfromer					
Civil & Structural Works					
MTB-ET-1090	Leveling for Foundation and Furnishing, leveling, and compacting of subgrade layer and BC 150mm	3d	20-Aug-16	23-Aug-16	53d
MTB-ET-1100	Form/Steel Rebars for Slab on Grade of Electrical unit and Transformer Pad	6d	23-Aug-16	30-Aug-16	53d
MTB-ET-1110	Cast Concrete for Slab on Grade of Electrical unit and Transformer Pad	1d	31-Aug-16	01-Sep-16	53d
MTB-ET-1120	Concrete Curing for Slab on Grade of Electrical unit and Transformer Pad	7d	01-Sep-16	10-Sep-16	53d
Electrical & Instrumentation Works					
MTB-ET-1000	Earthing	1d	30-Aug-16	31-Aug-16	53d
MTB-ET-1010	Furnish and install Electrical Systems and Equipment including panels, wires, conduits, cables, etc.	8d	10-Sep-16	24-Sep-16	53d
MTB-ET-1040	Design, Furnish and installation of Lightning Protection and Grounding System	8d	24-Sep-16	03-Oct-16	53d
MTB-ET-1050	Supply & Install Instruments for the site and its facilities and Structures per section 13500A	8d	22-Nov-16	01-Dec-16	3d
MTB-ET-1060	Supply & Install Control System and SCADA Software including Protective Device and Coordination Studies	10d	01-Dec-16	13-Dec-16	3d
Yard Works & Site Electrical Power					
External & Finishing Works					
MTB-YW-070	Compacted base course for site grading, 200 mm layer	9d	17-Sep-16	27-Sep-16	70d
MTB-YW-090	Installation of Double Leaf Access Gate	8d	27-Sep-16	06-Oct-16	87d
MTB-YW-100	Construction of Boundary Wall and Fence	20d	20-Aug-16	17-Sep-16	96d
MTB-YW-110	Installation of Slab on Grade and Decomposed Granite	5d	27-Sep-16	03-Oct-16	70d
MTB-YW-120	Asphalt pavement on site (7 cm), ¾" asphalt mix design including MC	9d	03-Oct-16	13-Oct-16	70d
Mechanical Works					
MTB-YW-M-010	Furnish and install all yard piping and mechanical equipment	14d	20-Aug-16	05-Sep-16	28d
Electrical & Instrumentation Works					
MTB-YW-E-010	Furnish & Installation of Electrical Manholes and Electrical Utility power supply	20d	20-Aug-16	17-Sep-16	70d



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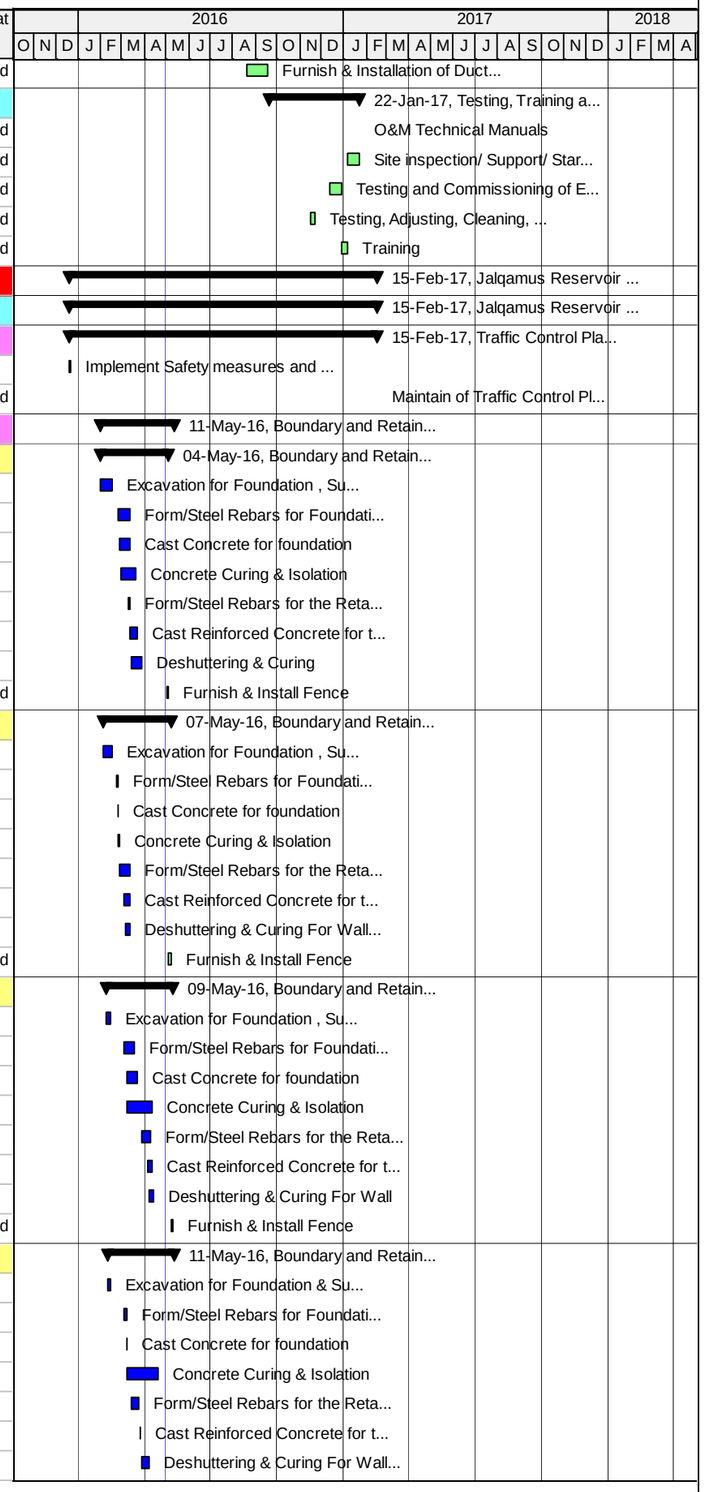
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
MTB-YW-E-020	Furnish & Installation of Ductbanks	20d	20-Aug-16	17-Sep-16	70d
Testing, Training and Commissioning					
MTB-1000	O&M Technical Manuals	100d	19-Sep-16	22-Jan-17	3d
MTB-1020	Site inspection/ Support/ Start up	11d	05-Jan-17	22-Jan-17	3d
MTB-1030	Testing and Commissioning of Electrical and Control System and Equipment	10d	13-Dec-16	28-Dec-16	3d
MTB-1040	Testing, Adjusting, Cleaning, Disinfection, and Commissioning of the entire system	6d	16-Nov-16	22-Nov-16	21d
MTB-1050	Training	6d	28-Dec-16	05-Jan-17	3d
Jalqamus Reservoir and Access Road					
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1000m3 - at Grade					
Traffic Control Plan and Safety					
E-JLR-3030	Implement Safety measures and Traffic Control Plan for Jalqamus Reservoir	2d	20-Dec-15	21-Dec-15	
E-JLR-3040	Maintain of Traffic Control Plan and Safety measures for Jalqamus Reservoir	258d	21-Dec-15	15-Feb-17	-15d
Boundary and Retaining Walls					
Boundary and Retaining Wall from Station 01 (05) to station 04 Length = 34.21 lm					
E-JLR-1055	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	4d	31-Jan-16 A	17-Feb-16 A	
E-JLR-1060	Form/Steel Rebars for Foundation	8d	25-Feb-16 A	13-Mar-16 A	
E-JLR-1090	Cast Concrete for foundation	1d	28-Feb-16 A	13-Mar-16 A	
E-JLR-1120	Concrete Curing & Isolation	7d	29-Feb-16 A	20-Mar-16 A	
E-JLR-1130	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	10-Mar-16 A	13-Mar-16 A	
E-JLR-1190	Cast Reinforced Concrete for the Retaining Wall	1d	13-Mar-16 A	22-Mar-16 A	
E-JLR-1200	Deshuttering & Curing	7d	14-Mar-16 A	29-Mar-16 A	
E-JLR-1250	Furnish & Install Fence	2d	03-May-16	04-May-16	197d
Boundary and Retaining Wall from Station 04 to station 03 Length = 23.70 lm					
E-JLR-1070	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	4d	04-Feb-16 A	17-Feb-16 A	
E-JLR-1100	Form/Steel Rebars for Foundation	8d	22-Feb-16 A	24-Feb-16 A	
E-JLR-1140	Cast Concrete for foundation	1d	24-Feb-16 A	24-Feb-16 A	
E-JLR-1160	Concrete Curing & Isolation	7d	25-Feb-16 A	28-Feb-16 A	
E-JLR-1170	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	28-Feb-16 A	12-Mar-16 A	
E-JLR-1260	Cast Reinforced Concrete for the Retaining Wall	1d	05-Mar-16 A	13-Mar-16 A	
E-JLR-1270	Deshuttering & Curing For Walls	7d	06-Mar-16 A	13-Mar-16 A	
E-JLR-1320	Furnish & Install Fence	2d	05-May-16	07-May-16	197d
Boundary and Retaining Wall from Station 02 to station 03 Length = 33.35 lm					
E-JLR-1080	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	4d	08-Feb-16 A	14-Feb-16 A	
E-JLR-1150	Form/Steel Rebars for Foundation	8d	05-Mar-16 A	19-Mar-16 A	
E-JLR-1210	Cast Concrete for foundation	1d	08-Mar-16 A	22-Mar-16 A	
E-JLR-1230	Concrete Curing & Isolation	7d	09-Mar-16 A	11-Apr-16 A	
E-JLR-1240	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	29-Mar-16 A	10-Apr-16 A	
E-JLR-1330	Cast Reinforced Concrete for the Retaining Wall	1d	06-Apr-16 A	11-Apr-16 A	
E-JLR-1340	Deshuttering & Curing For Wall	7d	07-Apr-16 A	14-Apr-16 A	
E-JLR-1380	Furnish & Install Fence	2d	08-May-16	09-May-16	197d
Boundary and Retaining Wall from Station 01 to station 02 Length = 21.20 lm					
E-JLR-1110	Excavation for Foundation & Subgrade layer Compaction	4d	11-Feb-16 A	14-Feb-16 A	
E-JLR-1220	Form/Steel Rebars for Foundation	8d	05-Mar-16 A	08-Mar-16 A	
E-JLR-1280	Cast Concrete for foundation	1d	08-Mar-16 A	08-Mar-16 A	
E-JLR-1290	Concrete Curing & Isolation	7d	09-Mar-16 A	21-Apr-16 A	
E-JLR-1300	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	14-Mar-16 A	24-Mar-16 A	
E-JLR-1390	Cast Reinforced Concrete for the Retaining Wall	1d	27-Mar-16 A	27-Mar-16 A	
E-JLR-1400	Deshuttering & Curing For Walls	7d	28-Mar-16 A	07-Apr-16 A	



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E-JLR-1450	Furnish & Install Fence	2d	10-May-16	11-May-16	197d
Earth Work					
E-JLR-1175	Demolition of existing Facilities, Site Cleaning & Grubbing	10d	30-Dec-15	13-Jan-16 A	
E-JLR-1180	Site Grading and Preparation	3d	13-Jan-16 A	16-Jan-16 A	
E-JLR-1310	Structural Excavation for the base slab of the Reservoir & Inlet Outlet Chamber and Subgrade layer	5d	14-Jan-16 A	01-Feb-16 A	
E-JLR-1315	Soil verification report - Geotechnical report	5d	30-Jan-16 A	09-Feb-16 A	
E-JLR-1350	Digging of Inlet Outlet chamber (S-RVV01)	3d	03-May-16	05-May-16	163d
E-JLR-1370	Excavation, Furnish and install subgrade piping system (Perforated, Outlet & Washout)	3d	21-Feb-16 A	17-Mar-16 A	
E-JLR-1420	Furnish and install base course (150mm in depth) under base slab	4d	22-Feb-16 A	10-Mar-16 A	
E-JLR-1430	Construction of Lean Concrete under Reservoir	5d	13-Feb-16 A	24-Mar-16 A	
Civil Work					
E-JLR-1460	Installation of perforated pipes	2d	15-Mar-16 A	17-Mar-16 A	
E-JLR-1470	Reservoir base slab - Formwork	5d	24-Mar-16 A	29-Mar-16 A	
E-JLR-1480	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and perforated pipes)	2d	29-Mar-16 A	30-Mar-16 A	
E-JLR-1490	Reservoir base slab reinforcing steel & water stop installation	10d	30-Mar-16 A	05-Apr-16 A	
E-JLR-1510	Reservoir base slab - Place concrete (Stage 1)	1d	06-Apr-16 A	06-Apr-16 A	
E-JLR-1520	Reservoir base slab - Place concrete (Stage 2)	1d	06-Apr-16 A	06-Apr-16 A	
E-JLR-1540	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	06-Apr-16 A	06-Apr-16 A	
E-JLR-1550	Concrete Curing for Base slab	7d	07-Apr-16 A	14-Apr-16 A	
E-JLR-1560	Reservoir Walls - External formwork	2d	13-Apr-16 A	04-May-16	65d
E-JLR-1570	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	13-Apr-16 A	04-May-16	65d
E-JLR-1580	Water proofing & backfilling	1d	16-Apr-16 A	16-Apr-16 A	
E-JLR-1590	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	23-Apr-16 A	04-May-16	65d
E-JLR-1600	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	05-May-16	05-May-16	72d
E-JLR-1610	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	05-May-16	14-May-16	65d
E-JLR-1620	Reservoir Walls - Place concrete (Stage 2)	1d	15-May-16	15-May-16	65d
E-JLR-1630	Reservoir Roof Slab - Formwork	10d	24-May-16	04-Jun-16	65d
E-JLR-1650	Reservoir Roof Slab - Reinforcing steel & installation of seismic cans	5d	05-Jun-16	13-Jun-16	65d
E-JLR-1660	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	14-Jun-16	15-Jun-16	65d
E-JLR-1670	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	25-Jun-16	26-Jun-16	65d
E-JLR-1700	Construct Inlet & Outlet Chambers (Valve Vault)	13d	27-Jun-16	18-Jul-16	126d
E-JLR-1730	Deshuttering Formwork for Roof Slab	5d	19-Jul-16	25-Jul-16	88d
Mechanical Work					
E-JLR-1410	Pipe Encasement - RC where needed	2d	30-Mar-16 A	30-Mar-16 A	
E-JLR-1760	Install buried & Non buried steel pipes & fittings- Outlet and Drain Structure Outlet	5d	25-Oct-16	31-Oct-16	56d
E-JLR-1790	Install buried steel pipes & fittings - Washout	5d	31-Oct-16	06-Nov-16	56d
E-JLR-1800	Install buried & Non buried steel pipes & fittings - Inlet	3d	06-Nov-16	09-Nov-16	56d
E-JLR-1830	Install buried steel pipes & fittings - Overflow	3d	09-Nov-16	13-Nov-16	56d
Electrical Work					
E-JLR-1500	Installing Earthing System	5d	03-May-16	08-May-16	100d
E-JLR-1530	installation of Lightning Protection and Grounding System	10d	22-Nov-16	04-Dec-16	20d
E-JLR-1690	Duct Bank & manholes construction including precast Pullbox	16d	27-Jun-16	21-Jul-16	65d
E-JLR-1740	Construct Bases for external power lighting	21d	21-Jul-16	15-Aug-16	65d
E-JLR-1840	Cable pulling	5d	22-Nov-16	28-Nov-16	-15d
E-JLR-1850	installation of RTU, RTU Panel and breaker Panel	8d	28-Nov-16	07-Dec-16	-15d
E-JLR-1860	Cables termination	6d	07-Dec-16	14-Dec-16	-15d
E-JLR-1870	Cable testing & meggaring	3d	14-Dec-16	20-Dec-16	-15d
E-JLR-1880	Install control system software	10d	20-Dec-16	03-Jan-17	-15d

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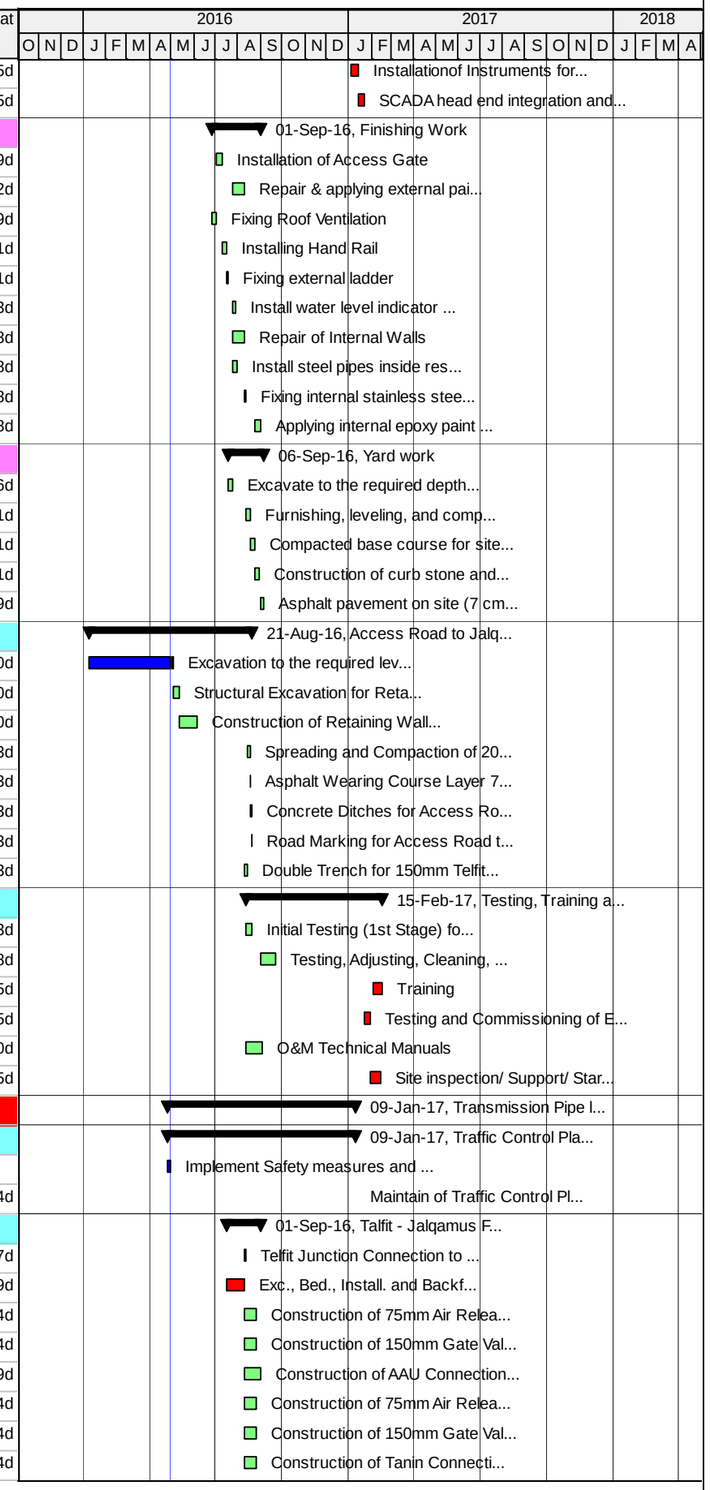
E-JLR-1900	Installationof Instruments for the site and its facilities and Structures per section 13500A	6d	03-Jan-17	14-Jan-17	-15d
E-JLR-1910	SCADA head end integration and programming for the site	7d	14-Jan-17	22-Jan-17	-15d
Finishing Work					
E-JLR-1440	Installation of Access Gate	3d	02-Jul-16	10-Jul-16	159d
E-JLR-1640	Repair & applying external paint for the reservoir	14d	25-Jul-16	10-Aug-16	132d
E-JLR-1680	Fixing Roof Ventilation	3d	27-Jun-16	02-Jul-16	159d
E-JLR-1710	Installing Hand Rail	5d	11-Jul-16	17-Jul-16	151d
E-JLR-1720	Fixing external ladder	2d	17-Jul-16	19-Jul-16	151d
E-JLR-1750	Install water level indicator & Access Cover	3d	25-Jul-16	28-Jul-16	143d
E-JLR-1770	Repair of Internal Walls	14d	25-Jul-16	10-Aug-16	88d
E-JLR-1780	Install steel pipes inside reservoir - Outlet	5d	25-Jul-16	31-Jul-16	98d
E-JLR-1810	Fixing internal stainless steel access ladder	1d	10-Aug-16	11-Aug-16	88d
E-JLR-1890	Applying internal epoxy paint for the reservoir	6d	25-Aug-16	01-Sep-16	88d
Yard work					
E-JLR-1930	Excavate to the required depth as per design drawings	6d	18-Jul-16	25-Jul-16	126d
E-JLR-1940	Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	11-Aug-16	18-Aug-16	111d
E-JLR-1950	Compacted base course for site grading, 200 mm layer	5d	18-Aug-16	24-Aug-16	111d
E-JLR-1955	Construction of curb stone and side walk	5d	24-Aug-16	30-Aug-16	111d
E-JLR-1960	Asphalt pavement on site (7 cm), ¾" asphalt mix design including MC	4d	01-Sep-16	06-Sep-16	109d
Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)					
E-JLR-1000	Excavation to the required level for Access Road to Jalqamus Reservoir	4d	09-Jan-16 A	04-May-16	170d
E-JLR-1010	Structural Excavation for Retaining Wall from Station 0+070 to Station 0+165	6d	05-May-16	11-May-16	170d
E-JLR-1020	Construction of Retaining Wall from Station 0+070 to Station 0+165	21d	12-May-16	06-Jun-16	170d
E-JLR-1030	Spreading and Compaction of 20cm Base Course for Access Road to Jalqamus Reservoir from Station 0+000 to Station (	3d	14-Aug-16	17-Aug-16	123d
E-JLR-1040	Asphalt Wearing Course Layer 7cm for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165 includin	1d	17-Aug-16	18-Aug-16	123d
E-JLR-1045	Concrete Ditches for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165	1d	18-Aug-16	20-Aug-16	123d
E-JLR-1050	Road Marking for Access Road to Jalqamus Reservoir from Station 0+000 to Station 0+165	1d	20-Aug-16	21-Aug-16	123d
E-TJT-1100	Double Trench for 150mm Telfit-Jalqamus (St. 2+140 to St. 2+330) & 150 mm Jalqamus-Umatut pipes (St. 0+000 to St. 0+	4d	09-Aug-16	14-Aug-16	123d
Testing, Training and Commissioning					
E-JLR-3000	Initial Testing (1st Stage) for Water Tightness	7d	11-Aug-16	20-Aug-16	93d
E-JLR-3010	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	01-Sep-16	22-Sep-16	88d
E-JLR-5250	Training	7d	04-Feb-17	15-Feb-17	-15d
E-JLR-5255	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	22-Jan-17	30-Jan-17	-15d
E-JLR-5260	O&M Technical Manuals	20d	11-Aug-16	04-Sep-16	100d
E-JLR-5270	Site inspection/ Support/ Start up	9d	30-Jan-17	13-Feb-17	-15d
Transmission Pipe lines					
Traffic Control Plan and Safety					
SWJ-TCP-1400	Implement Safety measures and Traffic Control Plan for Zone 01	2d	27-Apr-16 A	30-Apr-16 A	
SWJ-TCP-1410	Maintain of Traffic Control Plan and Safety measures for Zone 01	145d	30-Apr-16 A	09-Jan-17	4d
Talfit - Jalqamus Force line (Talfit Junction to Jalqamus Reservoir)					
E-TJT-0990	Telfit Junction Connection to Existing Pipeline	2d	09-Aug-16	11-Aug-16	147d
E-TJT-1000	Exc., Bed., Install. and Backfill. 150mm Talfit - Jalqamus force line from St. 0+000 to St.2+140	20d	17-Jul-16	09-Aug-16	-19d
E-TJT-1010	Construction of 75mm Air Release Valve Chamber at Station 0+410 on 150mm pipe	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1020	Construction of 150mm Gate Valve Chamber at Station 0+500	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1025	Construction of AAU Connection Chamber at Station 0+620 (CHD-155) including connect to Existing Pipeline and 100mm	20d	09-Aug-16	01-Sep-16	69d
E-TJT-1030	Construction of 75mm Air Release Valve Chamber at Station 0+910 on 150mm pipe	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1040	Construction of 150mm Gate Valve Chamber at Station 1+000	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1045	Construction of Tanin Connection Chamber at station 1+030 including 100mm pipe and connect to existing pipeline (CHD-	15d	09-Aug-16	27-Aug-16	74d



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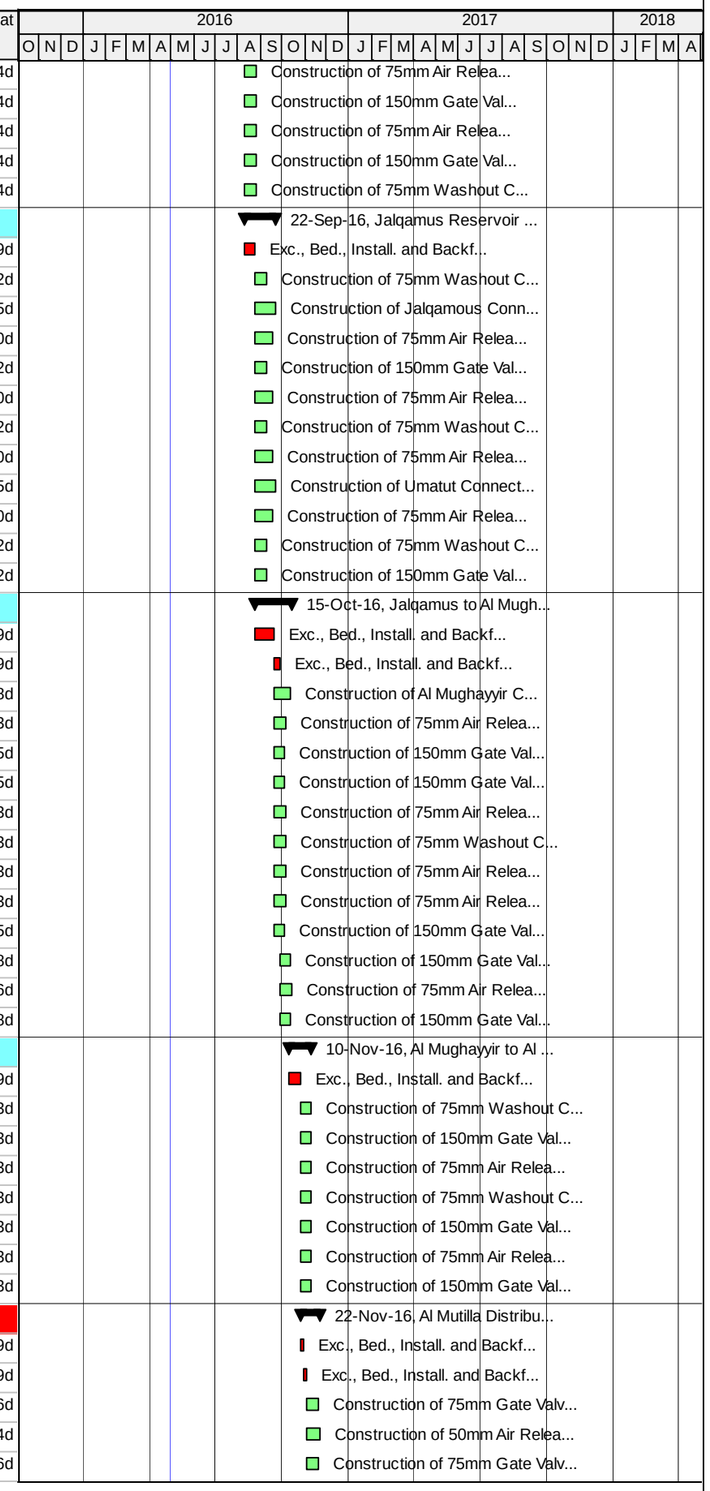
E-TJT-1050	Construction of 75mm Air Release Valve Chamber at Station 1+410 on 150mm pipe	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1060	Construction of 150mm Gate Valve Chamber at Station 1+500	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1070	Construction of 75mm Air Release Valve Chamber at Station 1+910 on 150mm pipe	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1080	Construction of 150mm Gate Valve Chamber at Station 2+000	15d	09-Aug-16	27-Aug-16	74d
E-TJT-1090	Construction of 75mm Washout Chamber at station 2+080 on 150mm pipe	15d	09-Aug-16	27-Aug-16	74d
Jalqamus Reservoir to Umatut Force Line (Jalqamus Junction) (150mm x 1.8 km)					
E-JLT-0020	Exc., Bed., Install. and Backfill. 150mm Jalqamus pipeline from St. 0+190 to St.1+880	14d	09-Aug-16	25-Aug-16	-19d
E-JLT-1000	Construction of 75mm Washout Chamber at station 0+190 on 150mm pipe	13d	25-Aug-16	10-Sep-16	62d
E-JLT-1010	Construction of Jalqamous Connection Chamber (CHD-171) including 100mm Connection Pipe	20d	25-Aug-16	22-Sep-16	55d
E-JLT-1020	Construction of 75mm Air Release Valve Chamber at station 0+325 on 150mm pipe	15d	25-Aug-16	17-Sep-16	60d
E-JLT-1030	Construction of 150mm Gate Valve Chamber at Station 0+538	13d	25-Aug-16	10-Sep-16	62d
E-JLT-1040	Construction of 75mm Air Release Valve Chamber at station 0+715 on 150mm pipe	15d	25-Aug-16	17-Sep-16	60d
E-JLT-1050	Construction of 75mm Washout Chamber at station 0+885 on 150mm pipe	13d	25-Aug-16	10-Sep-16	62d
E-JLT-1060	Construction of 75mm Air Release Valve Chamber at station 1+162 on 150mm pipe	15d	25-Aug-16	17-Sep-16	60d
E-JLT-1070	Construction of Umatut Connection Chamber (CHD-173) including 100mm Connection Pipe	20d	25-Aug-16	22-Sep-16	55d
E-JLT-1080	Construction of 75mm Air Release Valve Chamber at station 1+590 on 150mm pipe	15d	25-Aug-16	17-Sep-16	60d
E-JLT-1090	Construction of 75mm Washout Chamber at station 1+870 on 150mm pipe	13d	25-Aug-16	10-Sep-16	62d
E-JLT-1110	Construction of 150mm Gate Valve Chamber at Station 1+375	13d	25-Aug-16	10-Sep-16	62d
Jalqamus to Al Mughayyir Force Line					
E-JMT-1000	Exc., Bed., Install. and Backfill. 150mm Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.2+000	17d	25-Aug-16	19-Sep-16	-19d
E-JMT-1010	Exc., Bed., Install. and Backfill. 150mm Jalqamus to Al Mughayyir pipeline from St. 2+000 to St.2+776	7d	19-Sep-16	27-Sep-16	-19d
E-JMT-1020	Construction of Al Mughayyir Connection Chamber (CHD-191)	20d	19-Sep-16	12-Oct-16	38d
E-JMT-1030	Construction of 75mm Air Release Valve Chamber at station 0+470 on 150mm pipe	15d	19-Sep-16	06-Oct-16	43d
E-JMT-1040	Construction of 150mm Gate Valve Chamber at Station 0+500	13d	19-Sep-16	04-Oct-16	45d
E-JMT-1050	Construction of 150mm Gate Valve Chamber at Station 1+000	13d	19-Sep-16	04-Oct-16	45d
E-JMT-1060	Construction of 75mm Air Release Valve Chamber at station 1+015 on 150mm pipe	15d	19-Sep-16	06-Oct-16	43d
E-JMT-1070	Construction of 75mm Washout Chamber at station 1+430 on 150mm pipe	15d	19-Sep-16	06-Oct-16	43d
E-JMT-1080	Construction of 75mm Air Release Valve Chamber at station 1+690 on 150mm pipe	15d	19-Sep-16	06-Oct-16	43d
E-JMT-1090	Construction of 75mm Air Release Valve Chamber at station 1+970 on 150mm pipe	15d	19-Sep-16	06-Oct-16	43d
E-JMT-1100	Construction of 150mm Gate Valve Chamber at Station 2+000	13d	19-Sep-16	04-Oct-16	45d
E-JMT-1110	Construction of 150mm Gate Valve Chamber at Station 2+050 including connection to Existing Manhole	13d	27-Sep-16	12-Oct-16	38d
E-JMT-1120	Construction of 75mm Air Release Valve Chamber at station 2+430 on 150mm pipe	15d	27-Sep-16	15-Oct-16	36d
E-JMT-1130	Construction of 150mm Gate Valve Chamber at Station 2+500	13d	27-Sep-16	12-Oct-16	38d
Al Mughayyir to Al Mutilla Force Line (Al Mutilla Booster Station to Al Mutilla Reservoir)					
E-MTT-1140	Exc., Bed., Install. and Backfill. 150mm Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680	14d	10-Oct-16	26-Oct-16	-19d
E-MTT-1150	Construction of 75mm Washout Chamber at station 0+330 on 150mm pipe	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1160	Construction of 150mm Gate Valve Chamber at Station 0+500	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1170	Construction of 75mm Air Release Valve Chamber at station 0+705 on 150mm pipe	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1180	Construction of 75mm Washout Chamber at station 0+880 on 150mm pipe	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1190	Construction of 150mm Gate Valve Chamber at Station 1+000	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1200	Construction of 75mm Air Release Valve Chamber at station 1+245 on 150mm pipe	13d	26-Oct-16	10-Nov-16	13d
E-MTT-1210	Construction of 150mm Gate Valve Chamber at Station 1+500	13d	26-Oct-16	10-Nov-16	13d
Al Mutilla Distribution Network					
E-MTN-1000	Exc., Bed., Install. and Backfill. 75mm pipe for Al Mutilla Network - from Al Mutilla Elevated Reservoir (260 m)	3d	26-Oct-16	30-Oct-16	-19d
E-MTN-1010	Exc., Bed., Install. and Backfill. 50mm pipe for Al Mutilla Network - Branches from 75 mm pipe (320 m)	4d	30-Oct-16	03-Nov-16	-19d
E-MTN-1030	Construction of 75mm Gate Valve Chamber at Al Mutilla Reservoir Entrance	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1040	Construction of 50mm Air Release Valve Chamber on 75mm pipe	15d	03-Nov-16	22-Nov-16	4d
E-MTN-1045	Construction of 75mm Gate Valve Chamber on 75mm pipe	13d	03-Nov-16	20-Nov-16	6d



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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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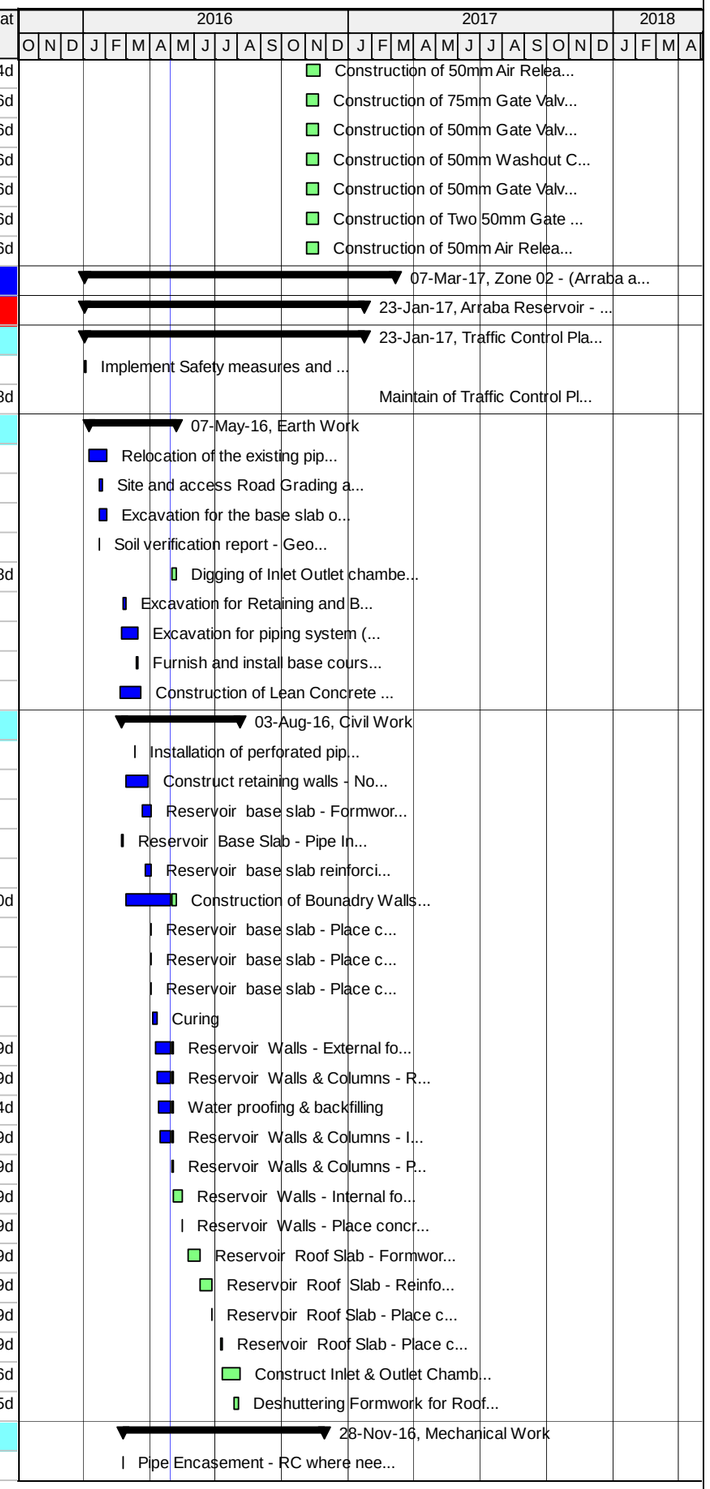
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-MTN-1050	Construction of 50mm Air Release Valve Chamber on 75mm pipe	15d	03-Nov-16	22-Nov-16	4d
E-MTN-1060	Construction of 75mm Gate Valve Chamber on 75mm pipe	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1065	Construction of 50mm Gate Valve Chamber on 50mm pipe	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1070	Construction of 50mm Washout Chamber on 75mm pipe	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1080	Construction of 50mm Gate Valve Chamber on 50mm pipe - near Al Mutilla Reservoir Entrance	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1090	Construction of Two 50mm Gate Valve Chamber on 50mm pipe	13d	03-Nov-16	20-Nov-16	6d
E-MTN-1100	Construction of 50mm Air Release Valve Chamber on 50mm pipe	13d	03-Nov-16	20-Nov-16	6d
Zone 02 - (Arraba and Kuferit)					
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3 At Grade					
Traffic Control Plan and Safety					
E-ARR-1000	Implement Safety measures and Traffic Control Plan	2d	02-Jan-16 A	04-Jan-16 A	
E-ARR-1010	Maintain of Traffic Control Plan and Safety measures for Arraba Reservoir	264d	04-Jan-16 A	23-Jan-17	18d
Earth Work					
E-ARR-1040	Relocation of the existing pipeline and Demolition of existing reservoir	15d	10-Jan-16 A	02-Feb-16 A	
E-ARR-1050	Site and access Road Grading and Preparation	7d	23-Jan-16 A	27-Jan-16 A	
E-ARR-1060	Excavation for the base slab of the Reservoir and subgrade layer	8d	23-Jan-16 A	02-Feb-16 A	
E-ARR-1065	Soil verification report - Geotechnical report	3d	23-Jan-16 A	23-Jan-16 A	
E-ARR-1070	Digging of Inlet Outlet chamber (S-RVV01)	4d	03-May-16	07-May-16	168d
E-ARR-1080	Excavation for Retaining and Boundary walls	6d	24-Feb-16 A	29-Feb-16 A	
E-ARR-1090	Excavation for piping system (Perforated, Outlet & Washout)	4d	23-Feb-16 A	17-Mar-16 A	
E-ARR-1100	Furnish and install base course (150mm in depth) under base slab	6d	14-Mar-16 A	17-Mar-16 A	
E-ARR-1130	Construction of Lean Concrete under Reservoir	5d	21-Feb-16 A	20-Mar-16 A	
Civil Work					
E-ARR-1110	Installation of perforated pipes	3d	13-Mar-16 A	13-Mar-16 A	
E-ARR-1120	Construct retaining walls - North side (Boundary)	21d	01-Mar-16 A	30-Mar-16 A	
E-ARR-1140	Reservoir base slab - Formwork	7d	23-Mar-16 A	03-Apr-16 A	
E-ARR-1150	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and other pipes)	2d	23-Feb-16 A	25-Feb-16 A	
E-ARR-1160	Reservoir base slab reinforcing steel & water stop installation	7d	26-Mar-16 A	03-Apr-16 A	
E-ARR-1170	Construction of Bounadry Walls - south and west side	21d	01-Mar-16 A	08-May-16	190d
E-ARR-1180	Reservoir base slab - Place concrete (Stage 1 - Part A, C, H, L)	1d	04-Apr-16 A	04-Apr-16 A	
E-ARR-1190	Reservoir base slab - Place concrete (Stage 2 - Part B, D, F, J)	1d	04-Apr-16 A	04-Apr-16 A	
E-ARR-1200	Reservoir base slab - Place concrete (Stage 3 - Part E, G, I, K)	1d	04-Apr-16 A	04-Apr-16 A	
E-ARR-1210	Curing	7d	05-Apr-16 A	12-Apr-16 A	
E-ARR-1220	Reservoir Walls - External formwork	8d	10-Apr-16 A	04-May-16	9d
E-ARR-1230	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	11-Apr-16 A	04-May-16	9d
E-ARR-1240	Water proofing & backfilling	1d	14-Apr-16 A	03-May-16	194d
E-ARR-1250	Reservoir Walls & Columns - Internal formwork - (Stage 1-Walls 1,3,5 & 7)	9d	16-Apr-16 A	04-May-16	9d
E-ARR-1260	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	03-May-16	03-May-16	19d
E-ARR-1270	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	9d	05-May-16	15-May-16	9d
E-ARR-1280	Reservoir Walls - Place concrete (Stage 2)	1d	16-May-16	16-May-16	9d
E-ARR-1290	Reservoir Roof Slab - Formwork	12d	25-May-16	09-Jun-16	9d
E-ARR-1300	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	09-Jun-16	25-Jun-16	9d
E-ARR-1310	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	25-Jun-16	26-Jun-16	9d
E-ARR-1320	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	09-Jul-16	10-Jul-16	9d
E-ARR-1330	Construct Inlet & Outlet Chamber (Valve Vault)	21d	10-Jul-16	03-Aug-16	126d
E-ARR-1340	Deshuttering Formwork for Roof Slab	5d	26-Jul-16	01-Aug-16	95d
Mechanical Work					
E-ARR-1360	Pipe Encasement - RC where needed	2d	25-Feb-16 A	25-Feb-16 A	



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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-ARR-1370	Install buried & Non buried steel pipes & fittings- Outlet Including Outlet Drain Structure	10d	25-Oct-16	06-Nov-16	60d
E-ARR-1380	Install buried steel pipes & fittings - Washout	5d	06-Nov-16	12-Nov-16	60d
E-ARR-1390	Install buried & Non buried steel pipes & fittings - Inlet including Valve Vault	10d	12-Nov-16	24-Nov-16	60d
E-ARR-1400	Install buried steel pipes & fittings - Overflow	3d	24-Nov-16	28-Nov-16	60d
Electrical Work					
E-ARR-1410	Installing Earthing System	5d	29-Mar-16 A	08-May-16	104d
E-ARR-1420	Furnish and installation of Lightning Protection and Grounding System	10d	01-Aug-16	13-Aug-16	113d
E-ARR-1430	Duct Bank & manholes construction including pre-cast pullbox	16d	10-Jul-16	28-Jul-16	63d
E-ARR-1440	Construct Bases for external power lighting	21d	28-Jul-16	22-Aug-16	63d
E-ARR-1450	Cable pulling	5d	22-Aug-16	28-Aug-16	63d
E-ARR-1460	Furnish and installation of RTU, RTU Panel and Breaker Panel	5d	28-Aug-16	03-Sep-16	63d
E-ARR-1470	Cables termination	6d	03-Sep-16	10-Sep-16	63d
E-ARR-1480	Cable testing & meggaring	3d	10-Sep-16	18-Sep-16	63d
E-ARR-1490	Install control system software	10d	18-Sep-16	29-Sep-16	63d
E-ARR-1500	Install Instruments for the site and its facilities and Structures per section 13500A	6d	22-Nov-16	29-Nov-16	18d
E-ARR-1510	SCADA head end integration and programming for the site and its facilities	7d	29-Nov-16	07-Dec-16	18d
Finishing Work					
E-ARR-1530	Installation of new steel mesh fence and fence around site perimeter on existing wall	7d	09-May-16	16-May-16	208d
E-ARR-1550	Repair & applying external paint for the reservoir	14d	29-May-16	19-Jun-16	185d
E-ARR-1560	Fixing Roof Ventilation	1d	10-Jul-16	11-Jul-16	174d
E-ARR-1570	Installing Hand Rail	2d	18-Jul-16	20-Jul-16	165d
E-ARR-1580	Fixing external ladder	1d	20-Jul-16	21-Jul-16	165d
E-ARR-1590	Install water level indicator & Access Cover	3d	01-Aug-16	04-Aug-16	153d
E-ARR-1600	Repair of Internal Walls	10d	01-Aug-16	13-Aug-16	95d
E-ARR-1610	Install steel pipes inside reservoir - Outlet	5d	01-Aug-16	07-Aug-16	101d
E-ARR-1620	Fixing internal stainless steel access ladder	1d	13-Aug-16	14-Aug-16	95d
E-ARR-1640	Applying internal epoxy paint for the reservoir	6d	05-Sep-16	17-Sep-16	95d
Yard work					
E-ARR-1650	Miscellaneous Excavation: Excavate to the required depth as per design drawings	6d	18-Dec-16	26-Dec-16	18d
E-ARR-1660	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	26-Dec-16	03-Jan-17	18d
E-ARR-1670	Laying Compacted base course for site grading, 200 mm layer	7d	03-Jan-17	15-Jan-17	18d
E-ARR-1675	Construction of curb stone and side walk	5d	15-Jan-17	21-Jan-17	18d
E-ARR-1680	Asphalt pavement on site and access road (7 cm), ¾" asphalt mix design including MC	2d	21-Jan-17	23-Jan-17	18d
Testing, Training and Commissioning					
E-ARR-1520	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	07-Dec-16	18-Dec-16	18d
E-ARR-1630	Initial Testing (1st Stage) for Water Tightness	7d	14-Aug-16	22-Aug-16	95d
E-ARR-5275	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	17-Sep-16	03-Oct-16	95d
E-ARR-5290	O&M Technical Manuals	20d	22-Aug-16	19-Sep-16	107d
E-ARR-5300	Site inspection/ Support/ Start up	9d	18-Dec-16	29-Dec-16	33d
E-ARR-5380	Training	7d	22-Dec-16	02-Jan-17	33d
Kuferit Reservoir and Access Road					
Kuferit Reservoir - New Construction 500 m3 - At Grade					
Traffic Control Plan and Safety					
E-KFR-2000	Implement Safety measures and Traffic Control Plan	2d	15-Feb-16 A	18-Feb-16 A	
E-KFR-2010	Maintain of Traffic Control Plan and Safety measures for Kuferit Reservoir	180d	18-Feb-16 A	17-Jan-17	7d
Retaining Walls					
Retaining Wall from Station 02 to station 03 Length = 27.12 lm					
E-KFR-1820	Excavation for Foundation & Subgrade layer Compaction	2d	06-Mar-16 A	09-Mar-16 A	

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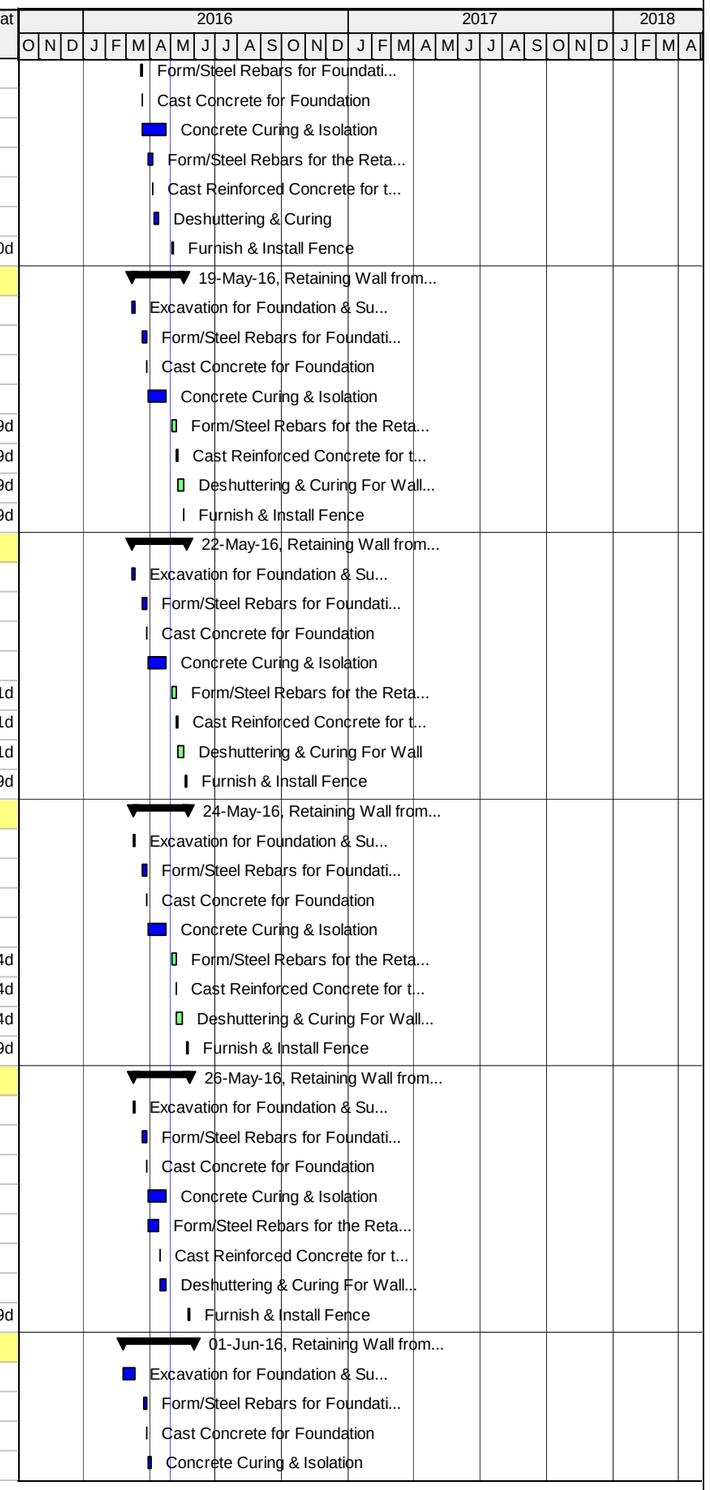
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-KFR-1830	Form/Steel Rebars for Foundation	4d	20-Mar-16 A	22-Mar-16 A	
E-KFR-1840	Cast Concrete for Foundation	1d	22-Mar-16 A	22-Mar-16 A	
E-KFR-1850	Concrete Curing & Isolation	7d	23-Mar-16 A	24-Apr-16 A	
E-KFR-1860	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	10d	31-Mar-16 A	05-Apr-16 A	
E-KFR-1870	Cast Reinforced Concrete for the Retaining Wall	1d	06-Apr-16 A	06-Apr-16 A	
E-KFR-1880	Deshuttering & Curing	7d	07-Apr-16 A	14-Apr-16 A	
E-KFR-1890	Furnish & Install Fence	2d	03-May-16	04-May-16	190d
Retaining Wall from Station 03 to station 04 Length = 9.47 lm					
E-KFR-1740	Excavation for Foundation & Subgrade layer Compaction	2d	08-Mar-16 A	13-Mar-16 A	
E-KFR-1750	Form/Steel Rebars for Foundation	4d	22-Mar-16 A	28-Mar-16 A	
E-KFR-1760	Cast Concrete for Foundation	1d	29-Mar-16 A	29-Mar-16 A	
E-KFR-1770	Concrete Curing & Isolation	7d	30-Mar-16 A	24-Apr-16 A	
E-KFR-1780	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	03-May-16	08-May-16	179d
E-KFR-1790	Cast Reinforced Concrete for the Retaining Wall	1d	09-May-16	09-May-16	179d
E-KFR-1800	Deshuttering & Curing For Walls	7d	10-May-16	17-May-16	179d
E-KFR-1810	Furnish & Install Fence	2d	18-May-16	19-May-16	179d
Retaining Wall from Station 04 to station 05 Length = 9.24 lm					
E-KFR-1340	Excavation for Foundation & Subgrade layer Compaction	2d	08-Mar-16 A	13-Mar-16 A	
E-KFR-1350	Form/Steel Rebars for Foundation	4d	23-Mar-16 A	29-Mar-16 A	
E-KFR-1360	Cast Concrete for Foundation	1d	29-Mar-16 A	29-Mar-16 A	
E-KFR-1370	Concrete Curing & Isolation	7d	30-Mar-16 A	24-Apr-16 A	
E-KFR-1380	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	03-May-16	08-May-16	181d
E-KFR-1390	Cast Reinforced Concrete for the Retaining Wall	1d	09-May-16	09-May-16	181d
E-KFR-1400	Deshuttering & Curing For Wall	7d	10-May-16	17-May-16	181d
E-KFR-1410	Furnish & Install Fence	2d	21-May-16	22-May-16	179d
Retaining Wall from Station 05 to station 06 Length = 2.82 lm					
E-KFR-1500	Excavation for Foundation & Subgrade layer Compaction	4d	10-Mar-16 A	13-Mar-16 A	
E-KFR-1510	Form/Steel Rebars for Foundation	6d	23-Mar-16 A	28-Mar-16 A	
E-KFR-1520	Cast Concrete for Foundation	1d	29-Mar-16 A	29-Mar-16 A	
E-KFR-1530	Concrete Curing & Isolation	7d	30-Mar-16 A	24-Apr-16 A	
E-KFR-1540	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	4d	03-May-16	07-May-16	184d
E-KFR-1550	Cast Reinforced Concrete for the Retaining Wall	1d	08-May-16	08-May-16	184d
E-KFR-1560	Deshuttering & Curing For Walls	7d	09-May-16	16-May-16	184d
E-KFR-1570	Furnish & Install Fence	2d	23-May-16	24-May-16	179d
Retaining Wall from Station 06 to station 07 Length = 20.58 lm					
E-KFR-1420	Excavation for Foundation & Subgrade layer Compaction	4d	10-Mar-16 A	13-Mar-16 A	
E-KFR-1430	Form/Steel Rebars for Foundation	8d	23-Mar-16 A	28-Mar-16 A	
E-KFR-1440	Cast Concrete for Foundation	1d	29-Mar-16 A	29-Mar-16 A	
E-KFR-1450	Concrete Curing & Isolation	7d	30-Mar-16 A	24-Apr-16 A	
E-KFR-1460	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	15d	31-Mar-16 A	14-Apr-16 A	
E-KFR-1470	Cast Reinforced Concrete for the Retaining Wall	1d	16-Apr-16 A	16-Apr-16 A	
E-KFR-1480	Deshuttering & Curing For Walls	7d	17-Apr-16 A	24-Apr-16 A	
E-KFR-1490	Furnish & Install Fence	2d	25-May-16	26-May-16	179d
Retaining Wall from Station 07 to station 01 Length = 39.12 lm					
E-KFR-1580	Excavation for Foundation & Subgrade layer Compaction	10d	25-Feb-16 A	13-Mar-16 A	
E-KFR-1590	Form/Steel Rebars for Foundation	14d	24-Mar-16 A	29-Mar-16 A	
E-KFR-1600	Cast Concrete for Foundation	1d	29-Mar-16 A	29-Mar-16 A	
E-KFR-1610	Concrete Curing & Isolation	7d	30-Mar-16 A	03-Apr-16 A	



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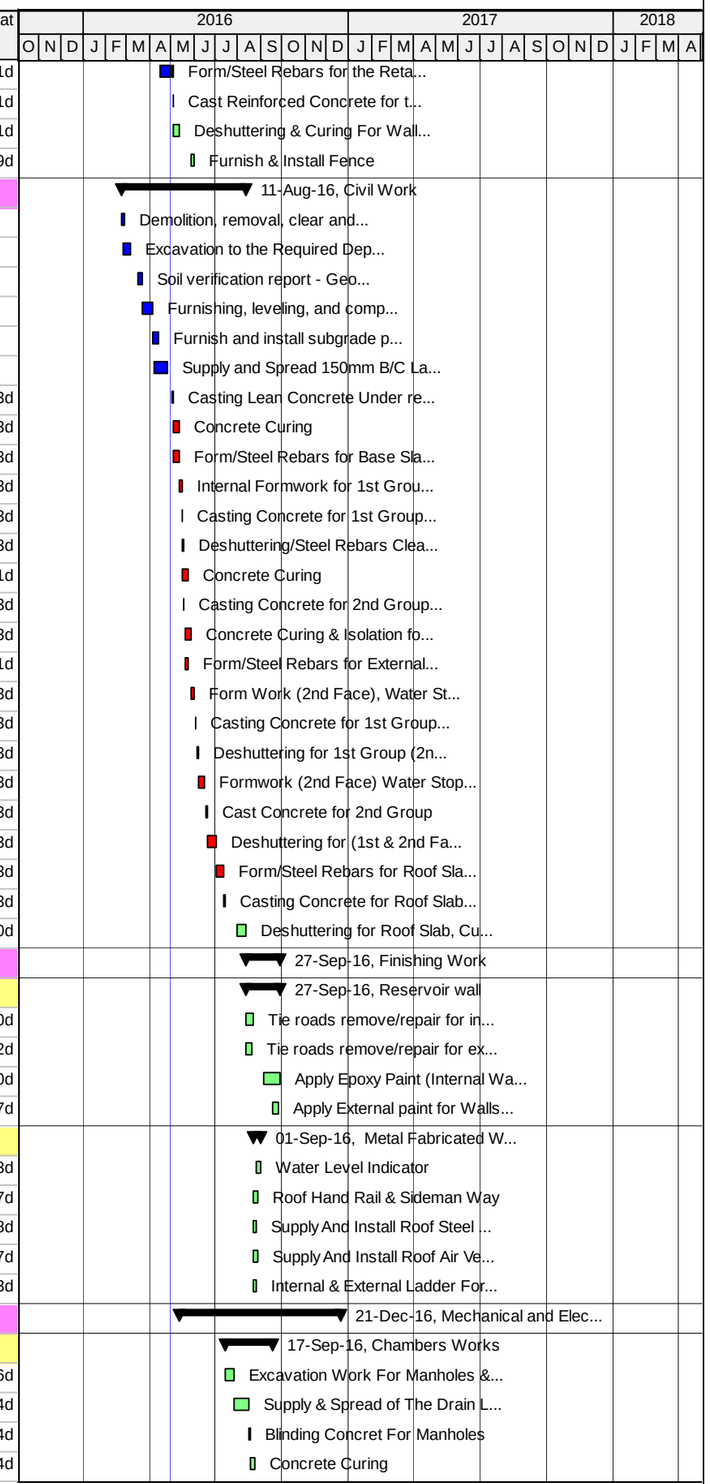
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-KFR-1620	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	21d	17-Apr-16 A	03-May-16	191d
E-KFR-1630	Cast Reinforced Concrete for the Retaining Wall	1d	04-May-16	04-May-16	191d
E-KFR-1640	Deshuttering & Curing For Walls	7d	05-May-16	12-May-16	191d
E-KFR-1650	Furnish & Install Fence	5d	28-May-16	01-Jun-16	179d
Civil Work					
E-KFR-2015	Demolition, removal, clear and grub site, Site Grading and Preparation	5d	23-Feb-16 A	26-Feb-16 A	
E-KFR-2016	Excavation to the Required Depth for the Base slab	8d	25-Feb-16 A	07-Mar-16 A	
E-KFR-2020	Soil verification report - Geotechnical report	3d	17-Mar-16 A	22-Mar-16 A	
E-KFR-2025	Furnishing, leveling, and compacting of subgrade layer	8d	22-Mar-16 A	06-Apr-16 A	
E-KFR-2026	Furnish and install subgrade piping (Washout drainage pipe and other pipes)	8d	06-Apr-16 A	14-Apr-16 A	
E-KFR-2030	Supply and Spread 150mm B/C Layers With Compaction Test & under ground Piping & Perforated Pipes	6d	07-Apr-16 A	27-Apr-16 A	
E-KFR-2040	Casting Lean Concrete Under reservoir	1d	03-May-16	03-May-16	-33d
E-KFR-2050	Concrete Curing	7d	04-May-16	11-May-16	-33d
E-KFR-2060	Form/Steel Rebars for Base Slab and Installing Water Stop	7d	04-May-16	11-May-16	-33d
E-KFR-2070	Internal Formwork for 1st Group Ring Foundation (Costruction Joints)	3d	12-May-16	15-May-16	-33d
E-KFR-2080	Casting Concrete for 1st Group Ring Foundation	1d	16-May-16	16-May-16	-33d
E-KFR-2090	Deshuttering/Steel Rebars Cleaning	2d	17-May-16	18-May-16	-33d
E-KFR-2100	Concrete Curing	7d	17-May-16	24-May-16	-31d
E-KFR-2110	Casting Concrete for 2nd Group Base Slab	1d	19-May-16	19-May-16	-33d
E-KFR-2120	Concrete Curing & Isolation for Under Ground Elements	7d	21-May-16	28-May-16	-33d
E-KFR-2130	Form/Steel Rebars for External Wall & Middle Column Foundation (1st Face) With Seismec Cans Installation	5d	21-May-16	25-May-16	-31d
E-KFR-2140	Form Work (2nd Face), Water Stop installation 1st Group	5d	29-May-16	02-Jun-16	-33d
E-KFR-2150	Casting Concrete for 1st Group of walls	1d	04-Jun-16	04-Jun-16	-33d
E-KFR-2160	Deshuttering for 1st Group (2nd face) & Curing For Walls	2d	05-Jun-16	08-Jun-16	-33d
E-KFR-2170	Formwork (2nd Face) Water Stop installation 2nd Group & Form/Steel for Middle Column/With Seismec Cans Installation	5d	08-Jun-16	16-Jun-16	-33d
E-KFR-2180	Cast Concrete for 2nd Group	1d	18-Jun-16	19-Jun-16	-33d
E-KFR-2190	Deshuttering for (1st & 2nd Face) & Curing For Walls	7d	19-Jun-16	02-Jul-16	-33d
E-KFR-2200	Form/Steel Rebars for Roof Slab	6d	02-Jul-16	13-Jul-16	-33d
E-KFR-2210	Casting Concrete for Roof Slab & Mechanical Finishing	1d	13-Jul-16	14-Jul-16	-33d
E-KFR-2220	Deshuttering for Roof Slab, Curing & Cleaning RSV	10d	31-Jul-16	11-Aug-16	70d
Finishing Work					
Reservoir wall					
E-KFR-2900	Tie roads remove/repair for internal walls	9d	11-Aug-16	22-Aug-16	70d
E-KFR-3000	Tie roads remove/repair for externl walls	7d	11-Aug-16	20-Aug-16	72d
E-KFR-3010	Apply Epoxy Paint (Internal Walls) & Base	15d	05-Sep-16	27-Sep-16	70d
E-KFR-3020	Apply External paint for Walls & Roof Slab	7d	17-Sep-16	25-Sep-16	97d
Metal Fabricated Works					
E-KFR-1050	Water Level Indicator	5d	27-Aug-16	01-Sep-16	113d
E-KFR-1060	Roof Hand Rail & Sideman Way	5d	22-Aug-16	28-Aug-16	117d
E-KFR-1070	Supply And Install Roof Steel Cover	4d	22-Aug-16	27-Aug-16	118d
E-KFR-1080	Supply And Install Roof Air Vents	5d	22-Aug-16	28-Aug-16	117d
E-KFR-3030	Internal & External Ladder For RSV	4d	22-Aug-16	27-Aug-16	113d
Mechanical and Electrical Work					
Chambers Works					
E-KFR-1090	Excavation Work For Manholes & Pipelines In Yard	10d	14-Jul-16	26-Jul-16	96d
E-KFR-1100	Supply & Spread of The Drain Layer For Manholes	18d	26-Jul-16	16-Aug-16	104d
E-KFR-1110	Blinding Concret For Manholes	1d	16-Aug-16	17-Aug-16	104d
E-KFR-1120	Concrete Curing	7d	17-Aug-16	25-Aug-16	104d



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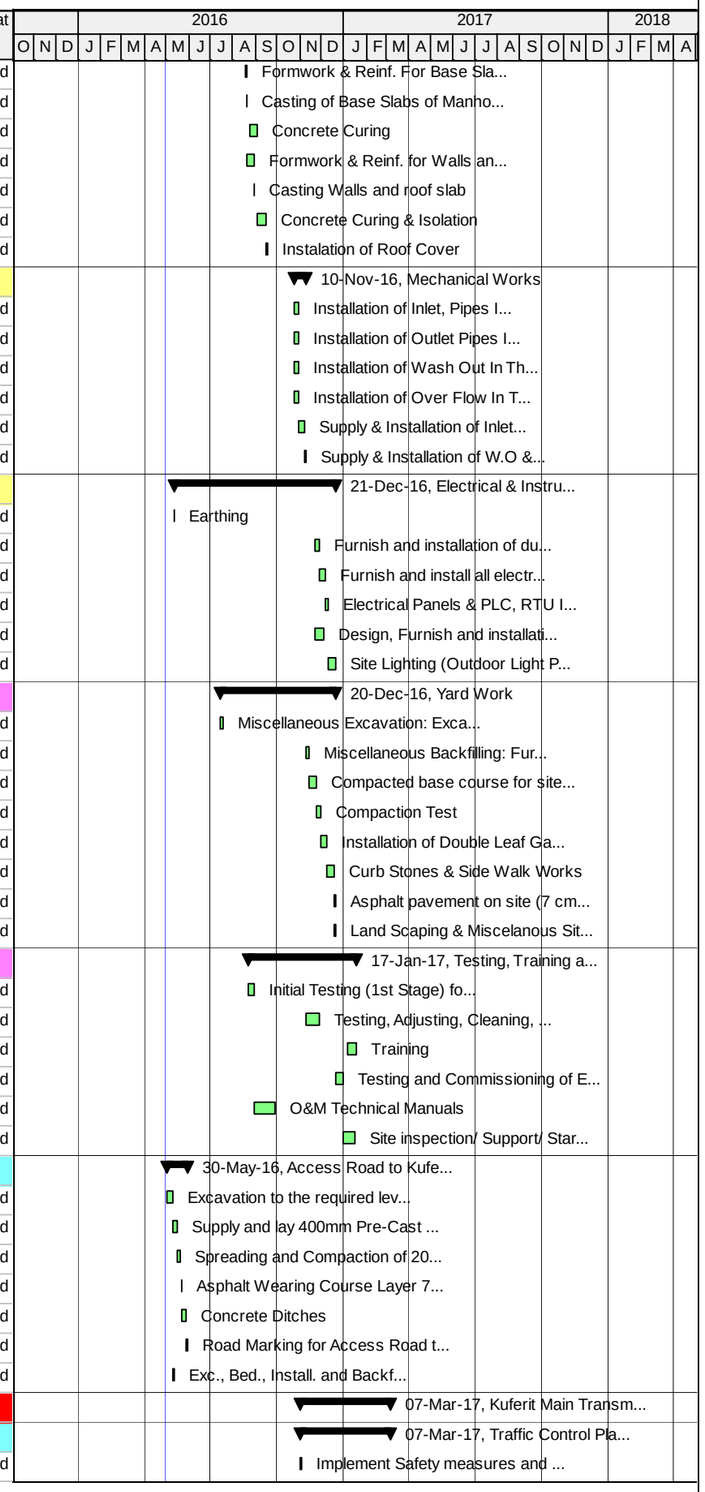
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-KFR-1130	Formwork & Reinf. For Base Slab	2d	17-Aug-16	20-Aug-16	106d
E-KFR-1140	Casting of Base Slabs of Manholes	1d	20-Aug-16	21-Aug-16	106d
E-KFR-1150	Concrete Curing	7d	25-Aug-16	03-Sep-16	104d
E-KFR-1160	Formwork & Reinf. for Walls and roof slab	8d	21-Aug-16	30-Aug-16	106d
E-KFR-1170	Casting Walls and roof slab	1d	30-Aug-16	31-Aug-16	106d
E-KFR-1180	Concrete Curing & Isolation	7d	03-Sep-16	15-Sep-16	104d
E-KFR-1190	Instalation of Roof Cover	1d	15-Sep-16	17-Sep-16	104d
Mechanical Works					
E-KFR-1200	Installation of Inlet, Pipes In The Yard	4d	25-Oct-16	30-Oct-16	27d
E-KFR-1210	Installation of Outlet Pipes In The Yard	4d	25-Oct-16	30-Oct-16	27d
E-KFR-1220	Installation of Wash Out In The Yard	4d	25-Oct-16	30-Oct-16	27d
E-KFR-1230	Installation of Over Flow In The Yard	4d	25-Oct-16	30-Oct-16	27d
E-KFR-1240	Supply & Installation of Inlet & Outlet Fittings	7d	30-Oct-16	07-Nov-16	27d
E-KFR-1250	Supply & Installation of W.O & Overflow Fittings	3d	07-Nov-16	10-Nov-16	27d
Electrical & Instrumentation Works					
E-KFR-1260	Earthing	1d	12-May-16	12-May-16	155d
E-KFR-1270	Furnish and installation of duct banks and pre-cast pullbox	5d	22-Nov-16	28-Nov-16	7d
E-KFR-1280	Furnish and install all electrical conduit, cable, equipment, Electrical Manhole	7d	28-Nov-16	06-Dec-16	7d
E-KFR-1290	Electrical Panels & PLC, RTU Instrumentation with Field Wiring & System Programing	3d	06-Dec-16	10-Dec-16	7d
E-KFR-1300	Design, Furnish and installation of Lightning Protection and Grounding System	10d	22-Nov-16	04-Dec-16	12d
E-KFR-1310	Site Lighting (Outdoor Light Poles with Lighting Fixtures)	8d	10-Dec-16	21-Dec-16	7d
Yard Work					
E-KFR-1900	Miscellaneous Excavation: Excavate to the required depth as per design drawings	3d	14-Jul-16	18-Jul-16	107d
E-KFR-1920	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	3d	10-Nov-16	14-Nov-16	27d
E-KFR-1930	Compacted base course for site grading, 200 mm layer	7d	14-Nov-16	23-Nov-16	27d
E-KFR-1940	Compaction Test	7d	23-Nov-16	01-Dec-16	27d
E-KFR-1950	Installation of Double Leaf Gate Access gate	6d	01-Dec-16	08-Dec-16	27d
E-KFR-1960	Curb Stones & Side Walk Works	6d	08-Dec-16	18-Dec-16	27d
E-KFR-1980	Asphalt pavement on site (7 cm), ¾" asphalt mix design including MC	2d	18-Dec-16	20-Dec-16	27d
E-KFR-1990	Land Scaping & Miscelanous Site Appurtances	2d	18-Dec-16	20-Dec-16	27d
Testing, Training and Commissioning					
E-KFR-1330	Initial Testing (1st Stage) for Water Tightness	7d	22-Aug-16	30-Aug-16	70d
E-KFR-5275	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	10-Nov-16	28-Nov-16	33d
E-KFR-5280	Training	7d	05-Jan-17	17-Jan-17	7d
E-KFR-5285	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	21-Dec-16	31-Dec-16	7d
E-KFR-5290	O&M Technical Manuals	20d	30-Aug-16	27-Sep-16	84d
E-KFR-5300	Site inspection/ Support/ Start up	9d	31-Dec-16	15-Jan-17	7d
Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)					
E-KFR-1000	Excavation to the required level for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170	7d	03-May-16	10-May-16	134d
E-KFR-1010	Supply and lay 400mm Pre-Cast Concrete Pipe Connection joint precast	5d	11-May-16	16-May-16	181d
E-KFR-1020	Spreading and Compaction of 20cm Base Course for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+1	4d	17-May-16	21-May-16	181d
E-KFR-1030	Asphalt Wearing Course Layer 7cm for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170 including M	1d	22-May-16	22-May-16	181d
E-KFR-1035	Concrete Ditches	5d	23-May-16	28-May-16	181d
E-KFR-1040	Road Marking for Access Road to Ajja Reservoir from Station 0+000 to Station 0+170	2d	29-May-16	30-May-16	181d
E-YKT-1160	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 2+300 to St. 2+463	2d	11-May-16	12-May-16	134d
Kuferit Main Transmission Pipeline - Yabad Junction to Kuferit Reservoir (150mm x 2.4 km)					
Traffic Control Plan and Safety					
SWJ-TCP-1380	Implement Safety measures and Traffic Control Plan for Zone 02	2d	01-Nov-16	03-Nov-16	112d



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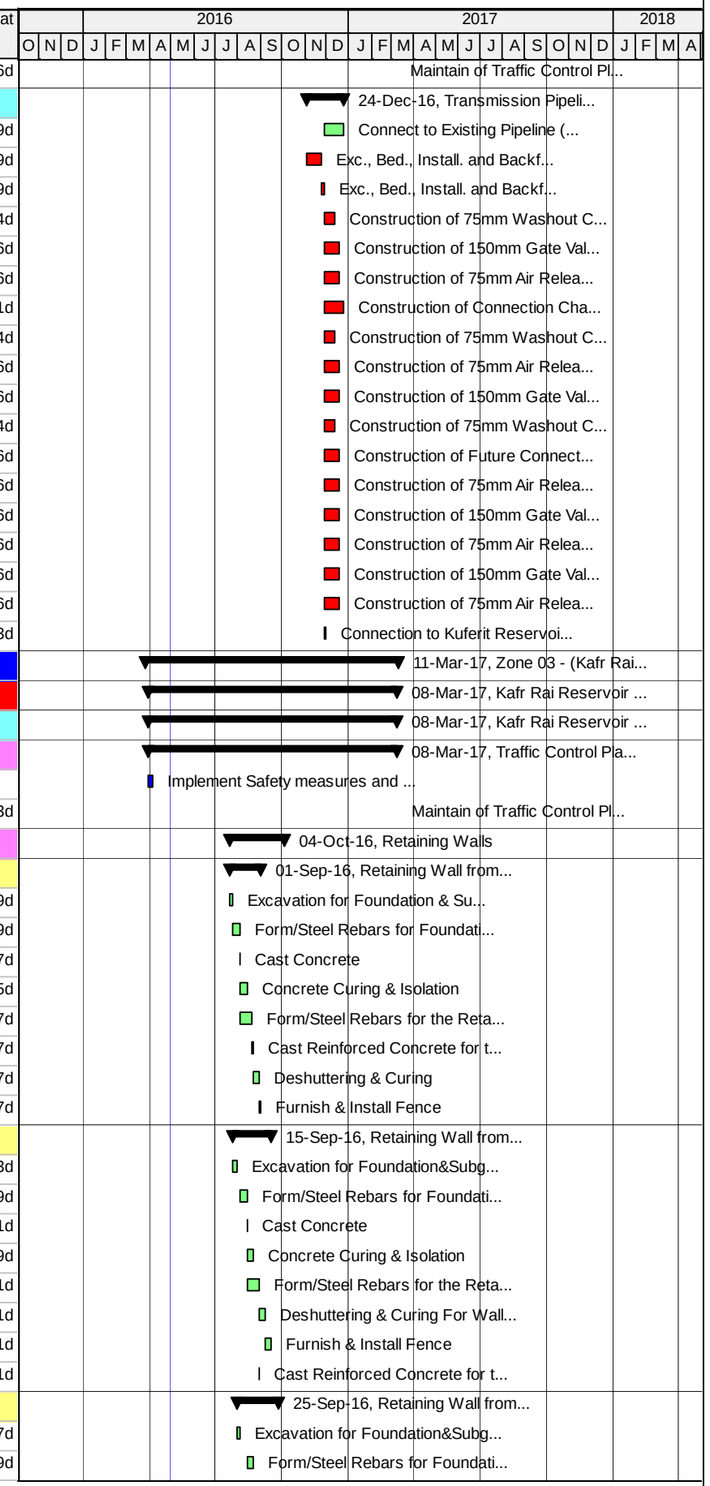
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
SWJ-TCP-1390	Maintain of Traffic Control Plan and Safety measures for Zone 02	95d	03-Nov-16	07-Mar-17	-16d
Transmission Pipeline					
E-YKT-1000	Connect to Existing Pipeline (Cased Crossing at Israeli Highways (C-203 / C-DT20)) from Station 0+000 to Station 0+030	20d	28-Nov-16	24-Dec-16	39d
E-YKT-1010	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 0+030 to St. 2+000	17d	03-Nov-16	24-Nov-16	-19d
E-YKT-1015	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 2+000 to St. 2+300	3d	24-Nov-16	28-Nov-16	-19d
E-YKT-1020	Construction of 75mm Washout Chamber at station 0+035 on 150mm pipe	13d	28-Nov-16	13-Dec-16	-14d
E-YKT-1030	Construction of 150mm Gate Valve Chamber at Station 0+500	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1040	Construction of 75mm Air Release Valve Chamber at station 0+542 on 150mm pipe	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1050	Construction of Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	20d	28-Nov-16	24-Dec-16	-1d
E-YKT-1060	Construction of 75mm Washout Chamber at station 0+700 on 150mm pipe	13d	28-Nov-16	13-Dec-16	-14d
E-YKT-1070	Construction of 75mm Air Release Valve Chamber at station 0+945 on 150mm pipe	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1080	Construction of 150mm Gate Valve Chamber at Station 1+205	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1090	Construction of 75mm Washout Chamber at station 1+210 on 150mm pipe	13d	28-Nov-16	13-Dec-16	-14d
E-YKT-1095	Construction of Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1100	Construction of 75mm Air Release Valve Chamber at station 1+280 on 150mm pipe	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1110	Construction of 150mm Gate Valve Chamber at Station 1+500	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1120	Construction of 75mm Air Release Valve Chamber at station 1+765 on 150mm pipe	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1130	Construction of 150mm Gate Valve Chamber at Station 2+000	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1140	Construction of 75mm Air Release Valve Chamber at station 2+165 on 150mm pipe	15d	28-Nov-16	18-Dec-16	-16d
E-YKT-1150	Connection to Kuferit Reservoir	2d	28-Nov-16	30-Nov-16	-3d
Zone 03 - (Kafr Rai and Ajja)					
Kafr Rai Reservoir and Access Road					
Kafr Rai Reservoir - New Construction 1,000 m3 At Grade					
Traffic Control Plan and Safety					
E-KRR-1720	Implement Safety measures and Traffic Control Plan for Kafr Rai Reservoir	4d	31-Mar-16 A	06-Apr-16 A	
E-KRR-1730	Maintain of Traffic Control Plan and Safety measures for Kafr Rai Reservoir	248d	06-Apr-16 A	08-Mar-17	-33d
Retaining Walls					
Retaining Wall from Station 01 to station 04 Length = 35.1 lm					
E-KRR-2410	Excavation for Foundation & Subgrade layer Compaction	4d	20-Jul-16	25-Jul-16	89d
E-KRR-2420	Form/Steel Rebars for Foundation	8d	25-Jul-16	03-Aug-16	89d
E-KRR-2430	Cast Concrete	1d	03-Aug-16	04-Aug-16	107d
E-KRR-2440	Concrete Curing & Isolation	7d	04-Aug-16	13-Aug-16	115d
E-KRR-2450	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	04-Aug-16	21-Aug-16	107d
E-KRR-2460	Cast Reinforced Concrete for the Retaining Wall	1d	21-Aug-16	22-Aug-16	107d
E-KRR-2470	Deshuttering & Curing	7d	22-Aug-16	30-Aug-16	107d
E-KRR-2480	Furnish & Install Fence	2d	30-Aug-16	01-Sep-16	107d
Retaining Wall from Station 04 to station 03 Length = 36.08 lm					
E-KRR-2490	Excavation for Foundation&Subgrade layer Compaction	4d	25-Jul-16	30-Jul-16	93d
E-KRR-2500	Form/Steel Rebars for Foundation	8d	03-Aug-16	13-Aug-16	89d
E-KRR-2510	Cast Concrete	1d	13-Aug-16	14-Aug-16	101d
E-KRR-2520	Concrete Curing & Isolation	7d	14-Aug-16	22-Aug-16	109d
E-KRR-2530	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	14-Aug-16	30-Aug-16	101d
E-KRR-2540	Deshuttering & Curing For Walls	7d	31-Aug-16	08-Sep-16	101d
E-KRR-2550	Furnish & Install Fence	2d	08-Sep-16	15-Sep-16	101d
E-KRR-2560	Cast Reinforced Concrete for the Retaining Wall	1d	30-Aug-16	31-Aug-16	101d
Retaining Wall from Station 02 to station 03 Length = 22.78 lm					
E-KRR-2650	Excavation for Foundation&Subgrade layer Compaction	4d	30-Jul-16	03-Aug-16	97d
E-KRR-2660	Form/Steel Rebars for Foundation	8d	13-Aug-16	22-Aug-16	89d



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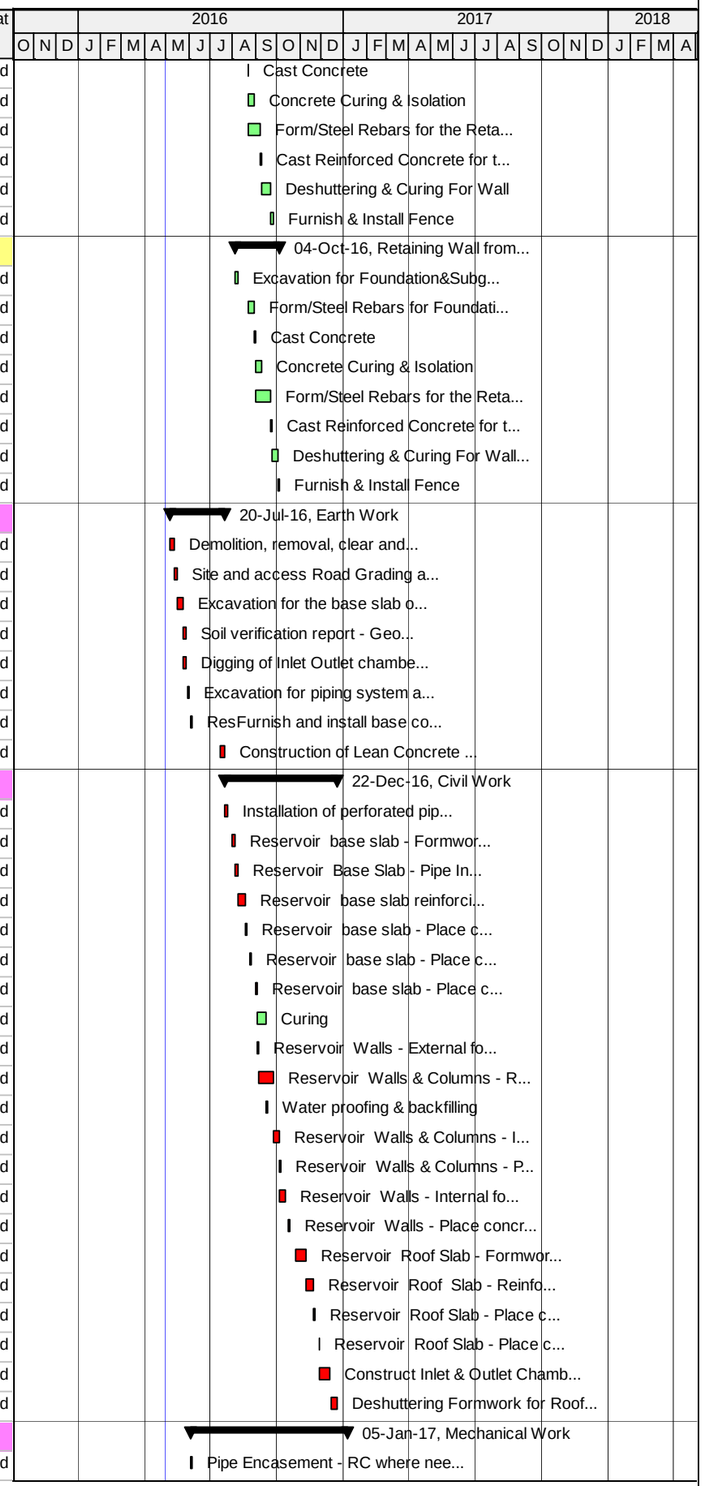
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-KRR-2670	Cast Concrete	1d	22-Aug-16	23-Aug-16	95d
E-KRR-2680	Concrete Curing & Isolation	7d	23-Aug-16	31-Aug-16	103d
E-KRR-2690	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	23-Aug-16	08-Sep-16	95d
E-KRR-2700	Cast Reinforced Concrete for the Retaining Wall	1d	08-Sep-16	10-Sep-16	95d
E-KRR-2710	Deshuttering & Curing For Wall	7d	10-Sep-16	22-Sep-16	95d
E-KRR-2720	Furnish & Install Fence	2d	22-Sep-16	25-Sep-16	95d
Retaining Wall from Station 01 to station 02 Length = 26.05 lm					
E-KRR-3000	Excavation for Foundation&Subgrade layer Compaction	4d	03-Aug-16	08-Aug-16	101d
E-KRR-3005	Form/Steel Rebars for Foundation	8d	22-Aug-16	31-Aug-16	89d
E-KRR-3010	Cast Concrete	1d	31-Aug-16	01-Sep-16	89d
E-KRR-3015	Concrete Curing & Isolation	7d	01-Sep-16	10-Sep-16	97d
E-KRR-3020	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	01-Sep-16	22-Sep-16	89d
E-KRR-3025	Cast Reinforced Concrete for the Retaining Wall	1d	22-Sep-16	24-Sep-16	89d
E-KRR-3030	Deshuttering & Curing For Walls	7d	24-Sep-16	02-Oct-16	89d
E-KRR-3035	Furnish & Install Fence	2d	02-Oct-16	04-Oct-16	89d
Earth Work					
E-KRR-1710	Demolition, removal, clear and grub site	5d	07-May-16	11-May-16	-12d
E-KRR-1810	Site and access Road Grading and Preparation	3d	12-May-16	15-May-16	-12d
E-KRR-1820	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	16-May-16	24-May-16	-12d
E-KRR-1825	Soil verification report - Geotechnical report	3d	25-May-16	28-May-16	-11d
E-KRR-1830	Digging of Inlet Outlet chamber (S-RVV01)	4d	25-May-16	29-May-16	-12d
E-KRR-1840	Excavation for piping system and Furnishing, leveling, and compacting of subgrade layer	4d	30-May-16	02-Jun-16	-12d
E-KRR-1860	ResFurnish and install base course (150mm in depth) under base slab	2d	04-Jun-16	06-Jun-16	-12d
E-KRR-1870	Construction of Lean Concrete under foundation of Reservoir	5d	14-Jul-16	20-Jul-16	-33d
Civil Work					
E-KRR-1880	Installation of perforated pipes	3d	20-Jul-16	24-Jul-16	-33d
E-KRR-1890	Reservoir base slab - Formwork	5d	30-Jul-16	04-Aug-16	-33d
E-KRR-1900	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and other pipes)	2d	04-Aug-16	07-Aug-16	-33d
E-KRR-1910	Reservoir base slab reinforcing steel & water stop installation	10d	07-Aug-16	18-Aug-16	-33d
E-KRR-1930	Reservoir base slab - Place concrete (Stage 1)	1d	18-Aug-16	20-Aug-16	-33d
E-KRR-1960	Reservoir base slab - Place concrete (Stage 2)	1d	25-Aug-16	27-Aug-16	-33d
E-KRR-1970	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	01-Sep-16	03-Sep-16	-33d
E-KRR-1990	Curing	7d	03-Sep-16	15-Sep-16	43d
E-KRR-2000	Reservoir Walls - External formwork	2d	03-Sep-16	05-Sep-16	-33d
E-KRR-2010	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	06-Sep-16	25-Sep-16	-33d
E-KRR-2020	Water proofing & backfilling	1d	15-Sep-16	17-Sep-16	43d
E-KRR-2030	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	25-Sep-16	04-Oct-16	-33d
E-KRR-2040	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	04-Oct-16	05-Oct-16	-33d
E-KRR-2050	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	04-Oct-16	13-Oct-16	-30d
E-KRR-2060	Reservoir Walls - Place concrete (Stage 2)	1d	17-Oct-16	18-Oct-16	-33d
E-KRR-2070	Reservoir Roof Slab - Formwork	12d	26-Oct-16	09-Nov-16	-33d
E-KRR-2090	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	09-Nov-16	20-Nov-16	-33d
E-KRR-2100	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	20-Nov-16	21-Nov-16	-33d
E-KRR-2110	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	27-Nov-16	28-Nov-16	-33d
E-KRR-2140	Construct Inlet & Outlet Chambers (Valve Vault)	13d	28-Nov-16	13-Dec-16	-31d
E-KRR-2170	Deshuttering Formwork for Roof Slab	5d	14-Dec-16	22-Dec-16	-33d
Mechanical Work					
E-KRR-1850	Pipe Encasement - RC where needed	2d	04-Jun-16	06-Jun-16	-4d



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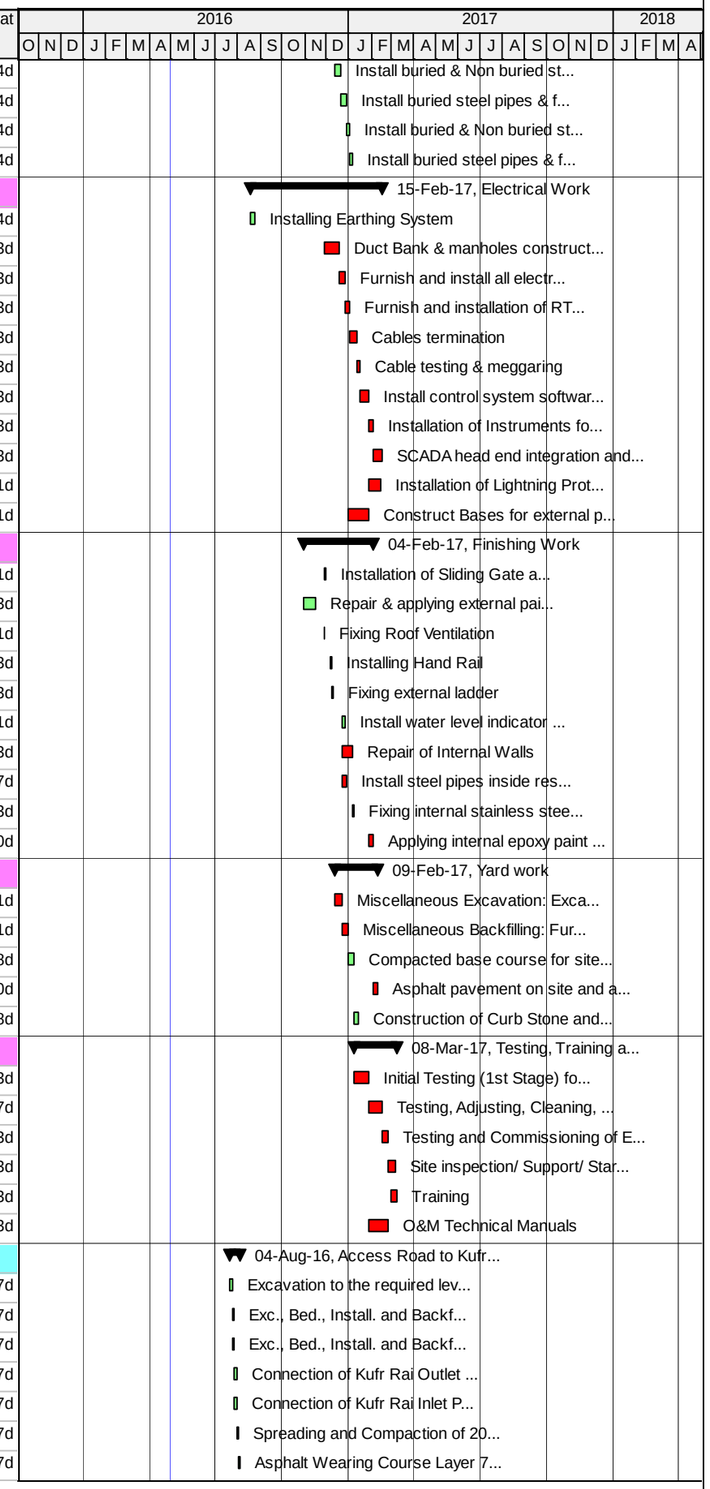
E-KRR-2220	Install buried & Non buried steel pipes & fittings- Outlet	5d	13-Dec-16	21-Dec-16	14d
E-KRR-2230	Install buried steel pipes & fittings - Washout	5d	21-Dec-16	28-Dec-16	14d
E-KRR-2260	Install buried & Non buried steel pipes & fittings - Inlet	3d	28-Dec-16	02-Jan-17	14d
E-KRR-2270	Install buried steel pipes & fittings - Overflow	3d	02-Jan-17	05-Jan-17	14d
Electrical Work					
E-KRR-1920	Installing Earthing System	5d	18-Aug-16	24-Aug-16	44d
E-KRR-2130	Duct Bank & manholes construction and pre-cast pullbox	16d	28-Nov-16	19-Dec-16	-33d
E-KRR-2280	Furnish and install all electrical conduit, cable, equipment, and other miscellaneous electrical elements.	5d	19-Dec-16	26-Dec-16	-33d
E-KRR-2290	Furnish and installation of RTU, RTU Panel and breaker Panel	5d	26-Dec-16	02-Jan-17	-33d
E-KRR-2300	Cables termination	6d	02-Jan-17	12-Jan-17	-33d
E-KRR-2310	Cable testing & meggaring	3d	12-Jan-17	16-Jan-17	-33d
E-KRR-2320	Install control system software	10d	16-Jan-17	28-Jan-17	-33d
E-KRR-2340	Installation of Instruments for the site and its facilities and Structures per section 13500A	6d	28-Jan-17	04-Feb-17	-33d
E-KRR-2350	SCADA head end integration and programming for the site and its facilities	7d	04-Feb-17	15-Feb-17	-33d
E-KRR-5265	Installation of Lightning Protection and Grounding System and Light Poles	10d	29-Jan-17	13-Feb-17	-31d
E-KRR-5275	Construct Bases for external power lighting	21d	31-Dec-16	29-Jan-17	-31d
Finishing Work					
E-KRR-1980	Installation of Sliding Gate as shown on detail C-118 Sheet C-DT12	1d	29-Nov-16	30-Nov-16	41d
E-KRR-2080	Repair & applying external paint for the reservoir	14d	30-Oct-16	16-Nov-16	53d
E-KRR-2120	Fixing Roof Ventilation	1d	28-Nov-16	29-Nov-16	41d
E-KRR-2150	Installing Hand Rail	2d	06-Dec-16	08-Dec-16	33d
E-KRR-2160	Fixing external ladder	1d	08-Dec-16	10-Dec-16	33d
E-KRR-2190	Install water level indicator & Access Cover	3d	22-Dec-16	27-Dec-16	21d
E-KRR-2200	Repair of Internal Walls	10d	22-Dec-16	05-Jan-17	-33d
E-KRR-2210	Install steel pipes inside reservoir - Outlet	5d	22-Dec-16	29-Dec-16	-27d
E-KRR-2240	Fixing internal stainless steel access ladder	1d	05-Jan-17	08-Jan-17	-33d
E-KRR-2330	Applying internal epoxy paint for the reservoir	6d	28-Jan-17	04-Feb-17	-10d
Yard work					
E-KRR-2370	Miscellaneous Excavation: Excavate to the required depth as per design drawings	6d	13-Dec-16	22-Dec-16	-31d
E-KRR-2380	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	6d	22-Dec-16	31-Dec-16	-31d
E-KRR-2390	Compacted base course for site and access road grading, 200 mm layer	5d	31-Dec-16	08-Jan-17	8d
E-KRR-2400	Asphalt pavement on site and access road (7 cm), ¾" asphalt mix design including MC	2d	04-Feb-17	09-Feb-17	-10d
E-KRR-2890	Construction of Curb Stone and Sidewalk	3d	08-Jan-17	14-Jan-17	8d
Testing, Training and Commissioning					
E-KRR-2250	Initial Testing (1st Stage) for Water Tightness	15d	08-Jan-17	28-Jan-17	-33d
E-KRR-2255	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	28-Jan-17	16-Feb-17	-27d
E-KRR-2263	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	15-Feb-17	23-Feb-17	-33d
E-KRR-2267	Site inspection/ Support/ Start up	9d	23-Feb-17	06-Mar-17	-33d
E-KRR-2268	Training	7d	28-Feb-17	08-Mar-17	-33d
E-MTR-5290	O&M Technical Manuals	20d	28-Jan-17	23-Feb-17	-33d
Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)					
E-KRR-1700	Excavation to the required level for Access Road to Kufr Rai Reservoir	4d	20-Jul-16	25-Jul-16	137d
E-KRR-1740	Exc., Bed., Install. and Backfill. 250mm Kufr Rai Outlet Pipeline from St. 0+000 to St. 0+062	2d	25-Jul-16	27-Jul-16	137d
E-KRR-1750	Exc., Bed., Install. and Backfill. 250mm Kufr Rai Inlet Pipeline from St. 0+000 to St. 0+062	2d	25-Jul-16	27-Jul-16	137d
E-KRR-1760	Connection of Kufr Rai Outlet Pipeline to the existing Outlet Pipeline	2d	27-Jul-16	30-Jul-16	137d
E-KRR-1770	Connection of Kufr Rai Inlet Pipeline to the existing Pipeline	2d	27-Jul-16	30-Jul-16	137d
E-KRR-1780	Spreading and Compaction of 20cm Base Course for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+	3d	30-Jul-16	02-Aug-16	137d
E-KRR-1790	Asphalt Wearing Course Layer 7cm for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+062 including	1d	02-Aug-16	03-Aug-16	137d



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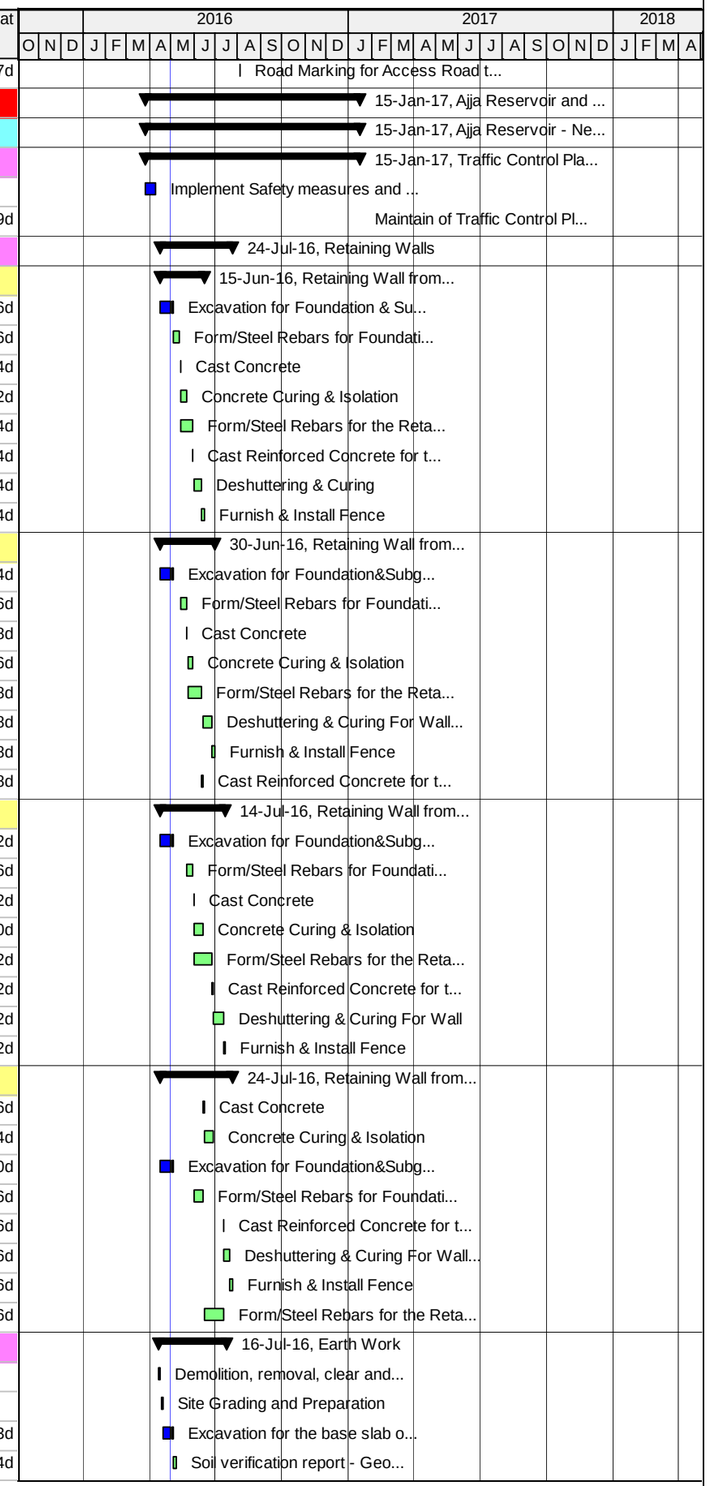
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-KRR-1800	Road Marking for Access Road to Kufr Rai Reservoir from Station 0+000 to Station 0+062	1d	03-Aug-16	04-Aug-16	137d
Ajja Reservoir and Access Road					
Ajja Reservoir - New Construction 1000 m3 At Grade					
Traffic Control Plan and Safety					
E-AJR-1670	Implement Safety measures and Traffic Control Plan for Ajja Reservoir	4d	27-Mar-16 A	10-Apr-16 A	
E-AJR-1680	Maintain of Traffic Control Plan and Safety measures for Ajja Reservoir	215d	10-Apr-16 A	15-Jan-17	9d
Retaining Walls					
Retaining Wall from Station 01 to station 07 Length = 38.79 lm					
E-AJR-1700	Excavation for Foundation & Subgrade layer Compaction	4d	16-Apr-16 A	03-May-16	146d
E-AJR-1710	Form/Steel Rebars for Foundation	8d	04-May-16	12-May-16	146d
E-AJR-1720	Cast Concrete	1d	14-May-16	14-May-16	164d
E-AJR-1730	Concrete Curing & Isolation	7d	15-May-16	22-May-16	172d
E-AJR-1740	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	15-May-16	30-May-16	164d
E-AJR-1750	Cast Reinforced Concrete for the Retaining Wall	1d	31-May-16	31-May-16	164d
E-AJR-1760	Deshuttering & Curing	7d	01-Jun-16	12-Jun-16	164d
E-AJR-1770	Furnish & Install Fence	2d	12-Jun-16	15-Jun-16	164d
Retaining Wall from Station 07 to station 05 Length = 30.81 lm					
E-AJR-1780	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16	154d
E-AJR-1790	Form/Steel Rebars for Foundation	8d	14-May-16	22-May-16	146d
E-AJR-1800	Cast Concrete	1d	23-May-16	23-May-16	158d
E-AJR-1810	Concrete Curing & Isolation	7d	24-May-16	31-May-16	166d
E-AJR-1820	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	24-May-16	12-Jun-16	158d
E-AJR-1830	Deshuttering & Curing For Walls	7d	14-Jun-16	26-Jun-16	158d
E-AJR-1840	Furnish & Install Fence	2d	27-Jun-16	30-Jun-16	158d
E-AJR-1850	Cast Reinforced Concrete for the Retaining Wall	1d	12-Jun-16	13-Jun-16	158d
Retaining Wall from Station 05 to station 03 Length = 50.07 lm					
E-AJR-1860	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16	162d
E-AJR-1870	Form/Steel Rebars for Foundation	8d	23-May-16	31-May-16	146d
E-AJR-1880	Cast Concrete	1d	01-Jun-16	01-Jun-16	152d
E-AJR-1890	Concrete Curing & Isolation	7d	02-Jun-16	13-Jun-16	160d
E-AJR-1900	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	02-Jun-16	26-Jun-16	152d
E-AJR-1910	Cast Reinforced Concrete for the Retaining Wall	1d	27-Jun-16	28-Jun-16	152d
E-AJR-1920	Deshuttering & Curing For Wall	7d	28-Jun-16	12-Jul-16	152d
E-AJR-1930	Furnish & Install Fence	2d	12-Jul-16	14-Jul-16	152d
Retaining Wall from Station 03 to station 01 Length = 37.49 lm					
E-AJR-1940	Cast Concrete	1d	14-Jun-16	15-Jun-16	146d
E-AJR-1950	Concrete Curing & Isolation	7d	15-Jun-16	28-Jun-16	154d
E-AJR-1960	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16	170d
E-AJR-1970	Form/Steel Rebars for Foundation	8d	01-Jun-16	13-Jun-16	146d
E-AJR-1980	Cast Reinforced Concrete for the Retaining Wall	1d	12-Jul-16	13-Jul-16	146d
E-AJR-1990	Deshuttering & Curing For Walls	7d	13-Jul-16	21-Jul-16	146d
E-AJR-2000	Furnish & Install Fence	2d	21-Jul-16	24-Jul-16	146d
E-AJR-2010	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	15-Jun-16	12-Jul-16	146d
Earth Work					
E-AJR-1410	Demolition, removal, clear and grub site	15d	13-Apr-16 A	17-Apr-16 A	
E-AJR-1420	Site Grading and Preparation	12d	18-Apr-16 A	21-Apr-16 A	
E-AJR-1430	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	21-Apr-16 A	04-May-16	43d
E-AJR-1435	Soil verification report - Geotechnical report	3d	05-May-16	08-May-16	44d



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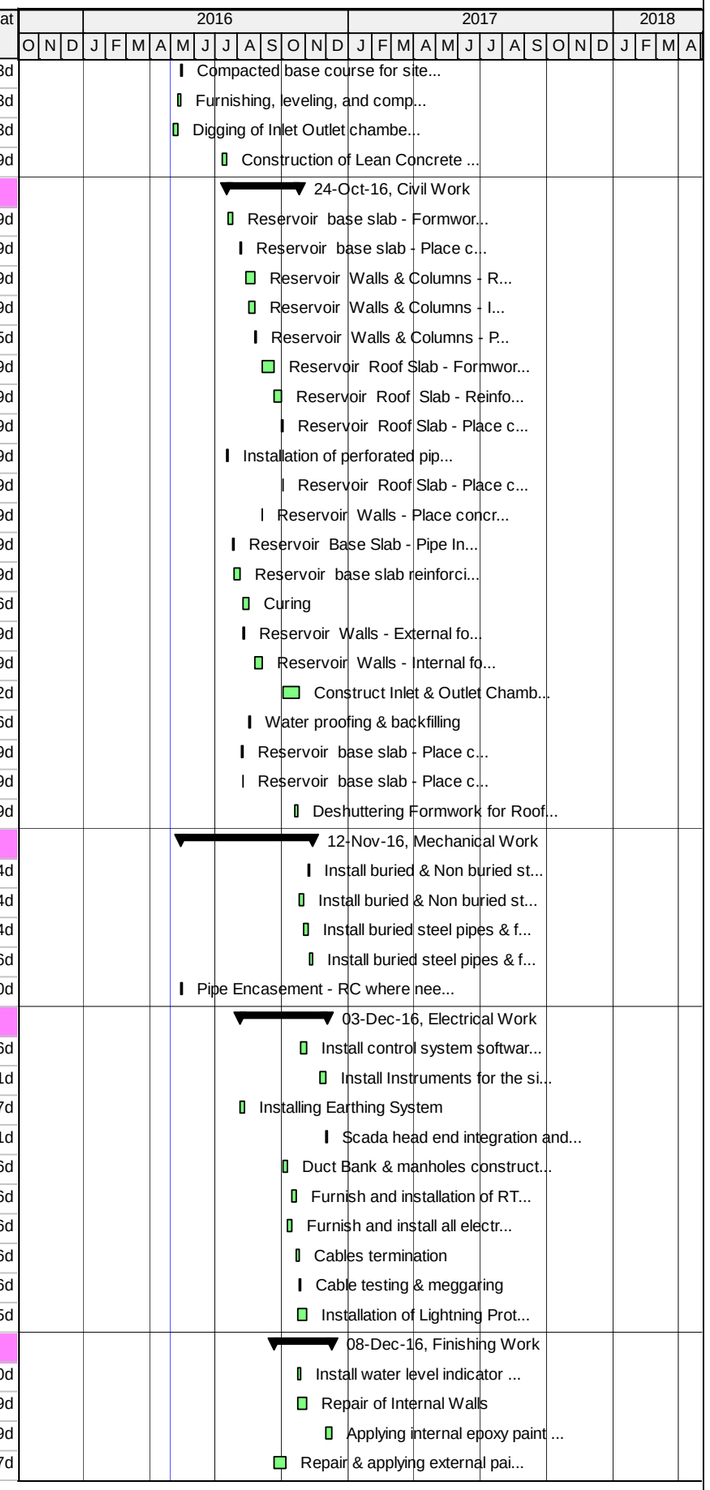
E-AJR-1440	Compacted base course for site grading, 200 mm layer	2d	15-May-16	16-May-16	43d
E-AJR-1460	Furnishing, leveling, and compacting of subgrade layer and Excavation for piping system (Perforated, Outlet & Washout)	4d	10-May-16	14-May-16	43d
E-AJR-1550	Digging of Inlet Outlet chamber (S-RVV01)	4d	05-May-16	09-May-16	43d
E-AJR-1690	Construction of Lean Concrete under Reservoir	5d	10-Jul-16	16-Jul-16	9d
Civil Work					
E-AJR-1320	Reservoir base slab - Formwork	5d	18-Jul-16	24-Jul-16	9d
E-AJR-1330	Reservoir base slab - Place concrete (Stage 1)	1d	04-Aug-16	06-Aug-16	9d
E-AJR-1340	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	11-Aug-16	25-Aug-16	9d
E-AJR-1350	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	15-Aug-16	24-Aug-16	9d
E-AJR-1360	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	25-Aug-16	27-Aug-16	15d
E-AJR-1370	Reservoir Roof Slab - Formwork	10d	04-Sep-16	20-Sep-16	9d
E-AJR-1380	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8d	20-Sep-16	29-Sep-16	9d
E-AJR-1390	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1d	29-Sep-16	01-Oct-16	9d
E-AJR-1450	Installation of perforated pipes	2d	16-Jul-16	18-Jul-16	9d
E-AJR-1470	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1d	01-Oct-16	02-Oct-16	9d
E-AJR-1540	Reservoir Walls - Place concrete (Stage 2)	1d	03-Sep-16	04-Sep-16	9d
E-AJR-1560	Reservoir Base Slab - Pipe Inserts (Washout drainage pipe and Other Pipes)	2d	24-Jul-16	26-Jul-16	9d
E-AJR-1570	Reservoir base slab reinforcing steel & water stop installation	8d	26-Jul-16	04-Aug-16	9d
E-AJR-1580	Curing	7d	08-Aug-16	16-Aug-16	86d
E-AJR-1590	Reservoir Walls - External formwork	2d	08-Aug-16	10-Aug-16	9d
E-AJR-1600	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	24-Aug-16	03-Sep-16	9d
E-AJR-1610	Construct Inlet & Outlet Chambers	19d	02-Oct-16	24-Oct-16	32d
E-AJR-1630	Water proofing & backfilling	1d	16-Aug-16	17-Aug-16	86d
E-AJR-1640	Reservoir base slab - Place concrete (Stage 2)	1d	06-Aug-16	07-Aug-16	9d
E-AJR-1650	Reservoir base slab - Place concrete (Stage 3) - Footing of Columns	1d	07-Aug-16	08-Aug-16	9d
E-AJR-1660	Deshuttering Formwork for Roof Slab	4d	18-Oct-16	23-Oct-16	9d
Mechanical Work					
E-AJR-1080	Install buried & Non buried steel pipes & fittings - Inlet	3d	05-Nov-16	08-Nov-16	34d
E-AJR-1090	Install buried & Non buried steel pipes & fittings- Outlet	5d	24-Oct-16	30-Oct-16	34d
E-AJR-1110	Install buried steel pipes & fittings - Washout	5d	30-Oct-16	05-Nov-16	34d
E-AJR-1220	Install buried steel pipes & fittings - Overflow	3d	08-Nov-16	12-Nov-16	56d
E-AJR-1400	Pipe Encasement - RC where needed	2d	15-May-16	16-May-16	50d
Electrical Work					
E-AJR-1200	Install control system software	7d	26-Oct-16	03-Nov-16	36d
E-AJR-1210	Install Instruments for the site and its facilities and Structures per section 13500	6d	22-Nov-16	29-Nov-16	21d
E-AJR-1250	Installing Earthing System	5d	04-Aug-16	10-Aug-16	77d
E-AJR-1300	Scada head end integration and programming for the site and its facilities and Structures per section 13500B	3d	29-Nov-16	03-Dec-16	21d
E-AJR-1480	Duct Bank & manholes construction and installation of pre-cast pullbox	6d	02-Oct-16	09-Oct-16	36d
E-AJR-1500	Furnish and installation of RTU, RTU Panel and breaker Panel	5d	15-Oct-16	20-Oct-16	36d
E-AJR-1510	Furnish and install all electrical conduit, cable, equipment, and other miscellaneous electrical elements.	5d	09-Oct-16	15-Oct-16	36d
E-AJR-1520	Cables termination	3d	20-Oct-16	24-Oct-16	36d
E-AJR-1530	Cable testing & meggaring	2d	24-Oct-16	26-Oct-16	36d
E-AJR-5285	Installation of Lightning Protection and Grounding System and Light Poles	10d	23-Oct-16	03-Nov-16	45d
Finishing Work					
E-AJR-1070	Install water level indicator & Access Cover	3d	23-Oct-16	26-Oct-16	70d
E-AJR-1100	Repair of Internal Walls	10d	23-Oct-16	03-Nov-16	9d
E-AJR-1120	Applying internal epoxy paint for the reservoir	6d	01-Dec-16	08-Dec-16	9d
E-AJR-1130	Repair & applying external paint for the reservoir	14d	20-Sep-16	06-Oct-16	87d



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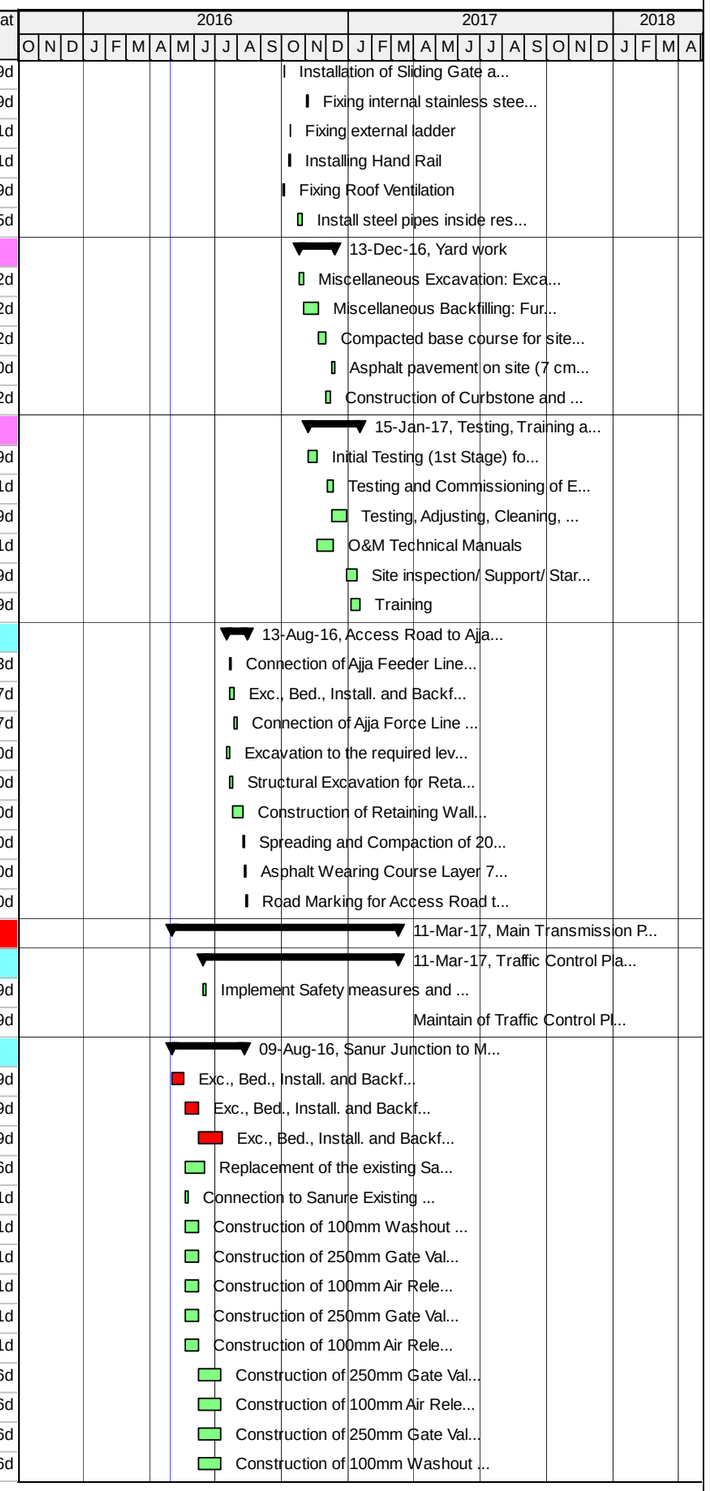
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-AJR-1140	Installation of Sliding Gate as shown on detail C-118 Sheet C-DT12	1d	03-Oct-16	04-Oct-16	89d
E-AJR-1230	Fixing internal stainless steel access ladder	1d	03-Nov-16	05-Nov-16	9d
E-AJR-1240	Fixing external ladder	1d	12-Oct-16	13-Oct-16	81d
E-AJR-1270	Installing Hand Rail	2d	10-Oct-16	12-Oct-16	81d
E-AJR-1280	Fixing Roof Ventilation	1d	02-Oct-16	03-Oct-16	89d
E-AJR-1620	Install steel pipes inside reservoir - Outlet	5d	23-Oct-16	29-Oct-16	15d
Yard work					
E-AJR-1150	Miscellaneous Excavation: Excavate to the required depth as per design drawings	5d	24-Oct-16	30-Oct-16	32d
E-AJR-1160	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill for subgrade layer	16d	30-Oct-16	19-Nov-16	32d
E-AJR-1170	Compacted base course for site grading, 200 mm layer	10d	19-Nov-16	30-Nov-16	32d
E-AJR-1180	Asphalt pavement on site (7 cm), ¾ asphalt mix design including MC	4d	08-Dec-16	13-Dec-16	30d
E-AJR-2020	Construction of Curbstone and Side walk	5d	30-Nov-16	06-Dec-16	32d
Testing, Training and Commissioning					
E-AJR-3000	Initial Testing (1st Stage) for Water Tightness	10d	05-Nov-16	17-Nov-16	9d
E-AJR-3005	Testing and Commissioning of Electrical and Control Systems and Equipment	7d	03-Dec-16	11-Dec-16	21d
E-AJR-3010	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction 2nd Stage	14d	08-Dec-16	28-Dec-16	9d
E-AJR-3015	O&M Technical Manuals	20d	17-Nov-16	11-Dec-16	21d
E-AJR-3025	Site inspection/ Support/ Start up	9d	28-Dec-16	12-Jan-17	9d
E-AJR-3030	Training	7d	03-Jan-17	15-Jan-17	9d
Access Road to Ajja Reservoir (238 m of two-lane road with shoulder)					
E-AAT-1210	Connection of Ajja Feeder Line to Reservoir	2d	20-Jul-16	23-Jul-16	143d
E-AJP-1172	Exc., Bed., Install. and Backfill. 200mm Ajja Force and Feeder Line from St. 0+000 to St. 0+440 (Double)	6d	20-Jul-16	27-Jul-16	137d
E-AJP-1175	Connection of Ajja Force Line to Reservoir	2d	27-Jul-16	30-Jul-16	137d
E-AJR-1000	Excavation to the required level for Access Road to Ajja Reservoir	4d	16-Jul-16	20-Jul-16	130d
E-AJR-1010	Structural Excavation for Retaining Wall from Station 0+180 to Station 0+190	3d	20-Jul-16	24-Jul-16	130d
E-AJR-1030	Construction of Retaining Wall from Station 0+180 to Station 0+190	12d	24-Jul-16	07-Aug-16	130d
E-AJR-1040	Spreading and Compaction of 20cm Base Course for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238	3d	07-Aug-16	10-Aug-16	130d
E-AJR-1050	Asphalt Wearing Course Layer 7cm for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238 including MC	1d	10-Aug-16	11-Aug-16	130d
E-AJR-1060	Road Marking for Access Road to Ajja Reservoir from Station 0+000 to Station 0+238	1d	11-Aug-16	13-Aug-16	130d
Main Transmission Pipe lines					
Traffic Control Plan and Safety					
SWJ-TCP-1360	Implement Safety measures and Traffic Control Plan for Zone 03	2d	14-Jun-16	18-Jun-16	219d
SWJ-TCP-1370	Maintain of Traffic Control Plan and Safety measures for Zone 03	205d	18-Jun-16	11-Mar-17	-19d
Sanur Junction to Maythaloun Well Main Transmission Pipeline (250mm x 3.7 km)					
E-SMT-1000	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+200	15d	03-May-16	19-May-16	-19d
E-SMT-1010	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 1+200 to St.2+400	15d	21-May-16	08-Jun-16	-19d
E-SMT-1030	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St.2+400 to St.3+699	16d	08-Jun-16	10-Jul-16	-19d
E-SMT-1035	Replacement of the existing Sanur Connection Chamber (CHD-103)	20d	21-May-16	16-Jun-16	126d
E-SMT-1045	Connection to Sanure Existing Pipe	5d	21-May-16	25-May-16	141d
E-SMT-1055	Construction of 100mm Washout Chamber at station 0+010 0on 250mm pipe	15d	21-May-16	08-Jun-16	131d
E-SMT-1065	Construction of 250mm Gate Valve Chamber at Station 0+500	15d	21-May-16	08-Jun-16	131d
E-SMT-1075	Construction of 100mm Air Release Valve Chamber at station 0+770 on 250mm pipe	15d	21-May-16	08-Jun-16	131d
E-SMT-1085	Construction of 250mm Gate Valve Chamber at Station 1+000	15d	21-May-16	08-Jun-16	131d
E-SMT-1095	Construction of 100mm Air Release Valve Chamber at station 1+190 on 250mm pipe	15d	21-May-16	08-Jun-16	131d
E-SMT-1105	Construction of 250mm Gate Valve Chamber at Station 1+500	15d	08-Jun-16	09-Jul-16	116d
E-SMT-1115	Construction of 100mm Air Release Valve Chamber at station 1+618 on 250mm pipe	15d	08-Jun-16	09-Jul-16	116d
E-SMT-1125	Construction of 250mm Gate Valve Chamber at Station 2+000	15d	08-Jun-16	09-Jul-16	116d
E-SMT-1135	Construction of 100mm Washout Chamber at station 2+100 on 250mm pipe	15d	08-Jun-16	09-Jul-16	116d



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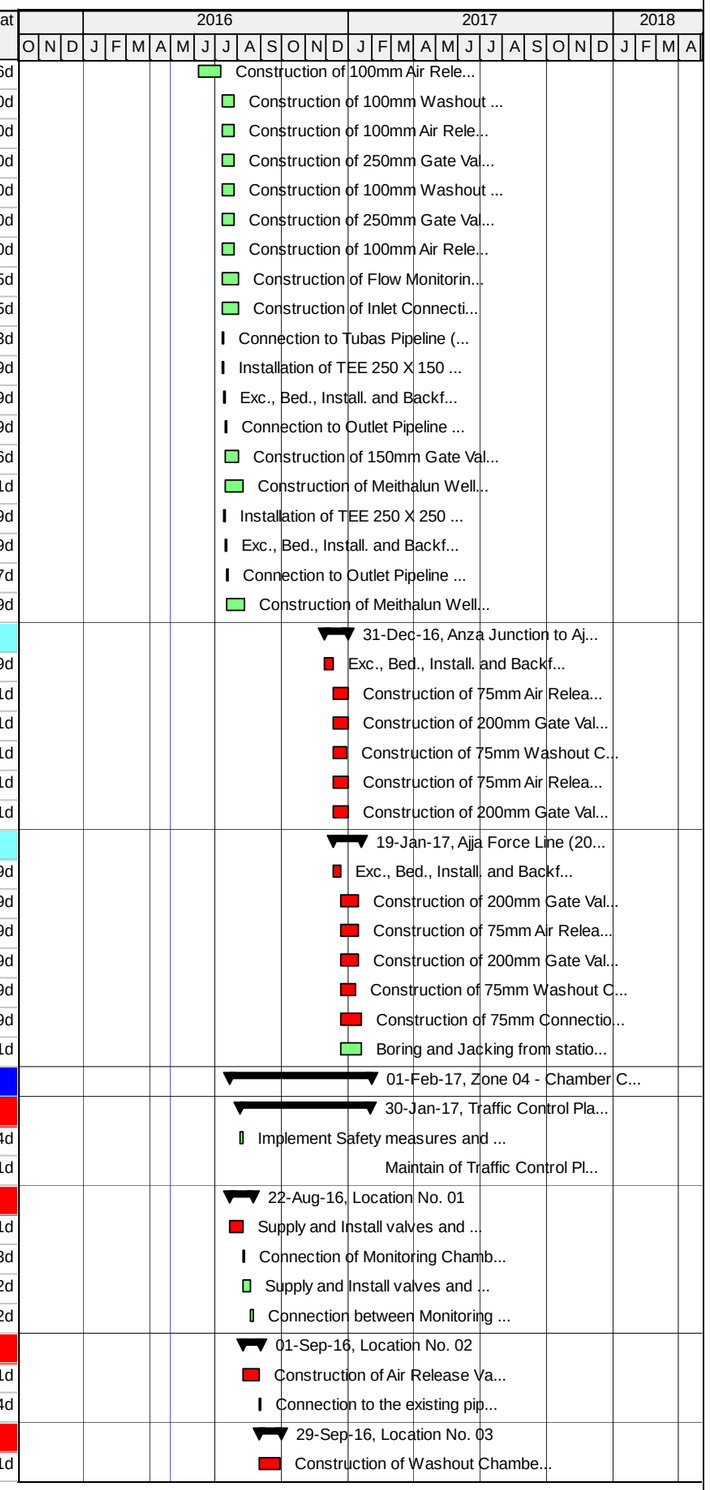
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-SMT-1145	Construction of 100mm Air Release Valve Chamber at station 2+375 on 250mm pipe	15d	08-Jun-16	09-Jul-16	116d
E-SMT-1155	Construction of 100mm Washout Chamber at station 2+545 on 250mm pipe	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1165	Construction of 100mm Air Release Valve Chamber at station 2+850 on 250mm pipe	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1175	Construction of 250mm Gate Valve Chamber at Station 3+000	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1185	Construction of 100mm Washout Chamber at station 3+298 on 250mm pipe	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1195	Construction of 250mm Gate Valve Chamber at Station 3+480	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1205	Construction of 100mm Air Release Valve Chamber at station 3+514 on 250mm pipe	15d	10-Jul-16	27-Jul-16	100d
E-SMT-1215	Construction of Flow Monitoring Chamber at Station 3+620 (M-VCFM)	20d	10-Jul-16	02-Aug-16	95d
E-SMT-1225	Construction of Inlet Connection Chamber at Station 3+680 (CHD - 105)	20d	10-Jul-16	02-Aug-16	95d
E-SMT-1235	Connection to Tubas Pipeline (TEE 150 X 150 X 150)	2d	10-Jul-16	12-Jul-16	113d
E-SMT-1242	Installation of TEE 250 X 150 X 250	2d	10-Jul-16	12-Jul-16	-19d
E-SMT-1245	Exc., Bed., Install. and Backfill. 150mm Pipe from Connection Outlet pipe (Booster Station) to TEE (0+000 to 0+085)	2d	12-Jul-16	14-Jul-16	-19d
E-SMT-1250	Connection to Outlet Pipeline from Booster Station	2d	14-Jul-16	17-Jul-16	109d
E-SMT-1255	Construction of 150mm Gate Valve Chamber on the existing pipeline (C-530)	15d	14-Jul-16	01-Aug-16	96d
E-SMT-1260	Construction of Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	20d	14-Jul-16	07-Aug-16	91d
E-SMT-1265	Installation of TEE 250 X 250 X 250	2d	12-Jul-16	14-Jul-16	-19d
E-SMT-1270	Exc., Bed., Install. and Backfill. 250mm Pipe from TEE to Connection Outlet pipe (Booster Station) (0+000 to 0+134)	2d	14-Jul-16	17-Jul-16	-19d
E-SMT-1272	Connection to Outlet Pipeline from Booster Station	2d	17-Jul-16	19-Jul-16	107d
E-SMT-1275	Construction of Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	20d	17-Jul-16	09-Aug-16	89d
Anza Junction to Ajja Reservoir Transmission (Ajja Feeder Pipeline) (200mm x 1.1 km)					
E-AAT-1000	Exc., Bed., Install. and Backfill. 200mm Ajja Feeder Pipeline from St. 0+440 to St. 1+259	10d	28-Nov-16	10-Dec-16	-19d
E-AAT-1010	Construction of 75mm Air Release Valve Chamber at Station 0+500 on 200mm pipe	15d	10-Dec-16	31-Dec-16	-11d
E-AAT-1020	Construction of 200mm Gate Valve Chamber at Station 0+520	15d	10-Dec-16	31-Dec-16	-11d
E-AAT-1030	Construction of 75mm Washout Chamber at station 0+700 on 200mm pipe	13d	10-Dec-16	28-Dec-16	-11d
E-AAT-1040	Construction of 75mm Air Release Valve Chamber at Station 0+915 on 200mm pipe	15d	10-Dec-16	31-Dec-16	-11d
E-AAT-1050	Construction of 200mm Gate Valve Chamber at Station 1+255	15d	10-Dec-16	31-Dec-16	-11d
Ajja Force Line (200mm x 1.2 km)					
E-AJP-1170	Exc., Bed., Install. and Backfill. 200mm Ajja Force Line from St. 0+440 to St. 1+033 and St. 1+065 to St. 1+104)	8d	10-Dec-16	21-Dec-16	-19d
E-AJP-1190	Construction of 200mm Gate Valve Chamber at Station 0+500	15d	21-Dec-16	14-Jan-17	-19d
E-AJP-1200	Construction of 75mm Air Release Valve Chamber at Station 0+560 on 200mm pipe	15d	21-Dec-16	14-Jan-17	-19d
E-AJP-1210	Construction of 200mm Gate Valve Chamber at Station 1+000	15d	21-Dec-16	14-Jan-17	-19d
E-AJP-1220	Construction of 75mm Washout Chamber at station 1+065 on 200mm pipe	13d	21-Dec-16	09-Jan-17	-19d
E-AJP-1230	Construction of 75mm Connection Chamber at Station 1+095 (CHD-131) (Ajja Connection)	20d	21-Dec-16	19-Jan-17	-19d
E-AJP-1240	Boring and Jacking from station 1+033 to station 1+065 as per detail C-204/C-DT20	20d	21-Dec-16	19-Jan-17	21d
Zone 04 - Chamber Construction, Replacement, and Rehabilitation					
Traffic Control Plan and Safety					
E-KRR-5285	Implement Safety measures and Traffic Control Plan for Zone 4	2d	04-Aug-16	07-Aug-16	184d
E-KRR-5295	Maintain of Traffic Control Plan and Safety measures for Zone 4	139d	07-Aug-16	30-Jan-17	-11d
Location No. 01					
E-SWJ-1000	Supply and Install valves and fitting in the existing Monitoring Chamber (1) as per detail M-VCFM	15d	20-Jul-16	07-Aug-16	-11d
E-SWJ-1010	Connection of Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	3d	07-Aug-16	10-Aug-16	133d
E-SWJ-1020	Supply and Install valves and fitting in the existing Raba Service Connection Chamber as per detail CHD-241	10d	07-Aug-16	18-Aug-16	122d
E-SWJ-1030	Connection between Monitoring Chamber (1) and Raba Service Connection Chamber	3d	18-Aug-16	22-Aug-16	122d
Location No. 02					
E-SWJ-1040	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	07-Aug-16	30-Aug-16	-11d
E-SWJ-1050	Connection to the existing pipeline	2d	30-Aug-16	01-Sep-16	114d
Location No. 03					
E-SWJ-1060	Construction of Washout Chamber as per detail C-503A/C-DT60	20d	30-Aug-16	27-Sep-16	-11d



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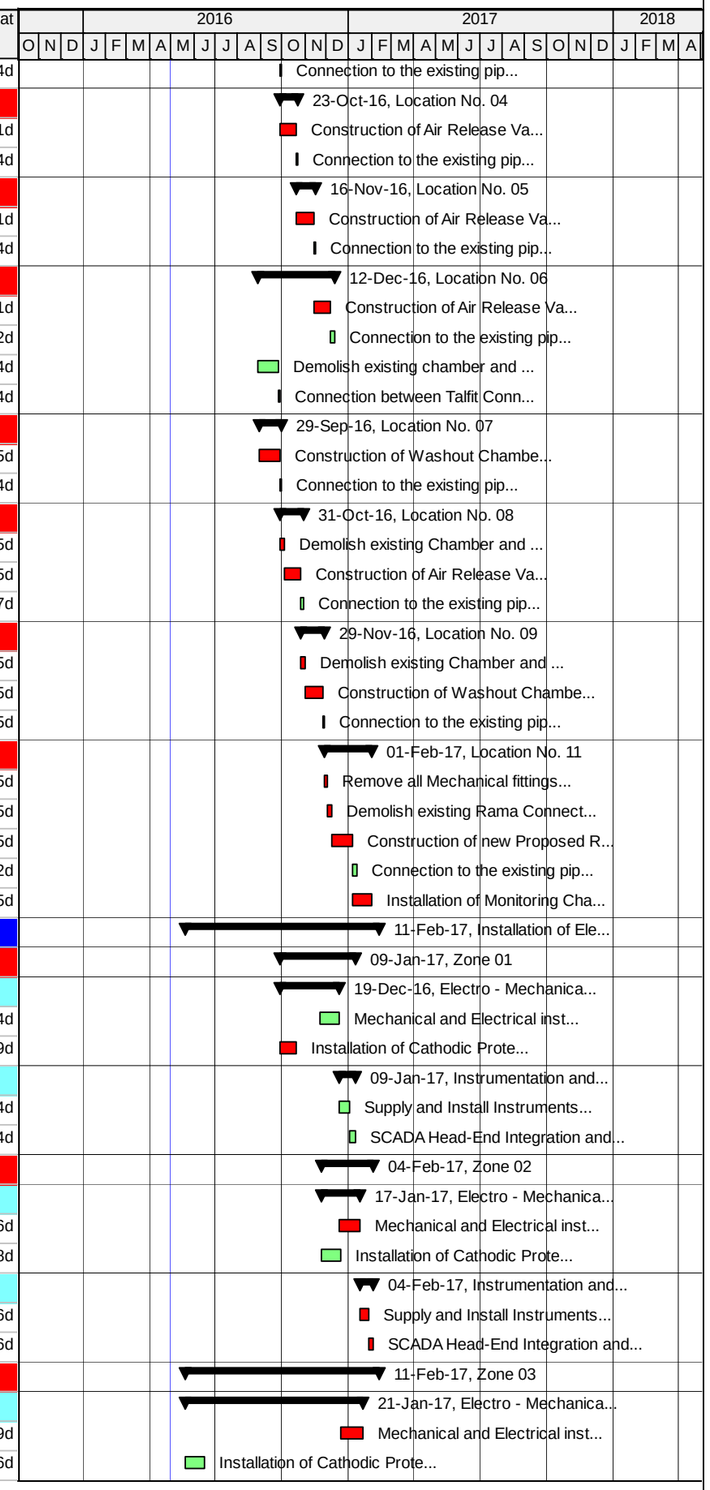
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
E-SWJ-1070	Connection to the existing pipeline	2d	27-Sep-16	29-Sep-16	94d
Location No. 04					
E-SWJ-1080	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	27-Sep-16	20-Oct-16	-11d
E-SWJ-1090	Connection to the existing pipeline	2d	20-Oct-16	23-Oct-16	74d
Location No. 05					
E-SWJ-1100	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	20-Oct-16	13-Nov-16	-11d
E-SWJ-1110	Connection to the existing pipeline	2d	13-Nov-16	16-Nov-16	54d
Location No. 06					
E-SWJ-1140	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	13-Nov-16	07-Dec-16	-11d
E-SWJ-1150	Connection to the existing pipeline	4d	07-Dec-16	12-Dec-16	32d
E-SWJ-1160	Demolish existing chamber and Construction of Talfit Connection Chamber as per detail CHD-242	20d	28-Aug-16	25-Sep-16	94d
E-SWJ-1170	Connection between Talfit Connection Chamber and existing Pipeline	3d	25-Sep-16	28-Sep-16	94d
Location No. 07					
E-SWJ-1120	Construction of Washout Chamber as per detail C-503A/C-DT60	20d	30-Aug-16	27-Sep-16	-5d
E-SWJ-1130	Connection to the existing pipeline	2d	27-Sep-16	29-Sep-16	94d
Location No. 08					
E-SWJ-1175	Demolish existing Chamber and associated piping and fittings	5d	27-Sep-16	03-Oct-16	-5d
E-SWJ-1180	Construction of Air Release Valve Chamber as per detail C-505A/C-DT62	20d	03-Oct-16	26-Oct-16	-5d
E-SWJ-1190	Connection to the existing pipeline	4d	26-Oct-16	31-Oct-16	67d
Location No. 09					
E-SWJ-1200	Demolish existing Chamber and associated piping and fittings	5d	26-Oct-16	01-Nov-16	-5d
E-SWJ-1210	Construction of Washout Chamber as per detail C-503/C-DT60	20d	01-Nov-16	26-Nov-16	-5d
E-SWJ-1220	Connection to the existing pipeline	3d	26-Nov-16	29-Nov-16	-5d
Location No. 11					
E-SWJ-1225	Remove all Mechanical fittings and Replace with pipe spool	3d	29-Nov-16	03-Dec-16	-5d
E-SWJ-1230	Demolish existing Rama Connection Chamber to surface level	5d	03-Dec-16	08-Dec-16	-5d
E-SWJ-1240	Construction of new Proposed Rama Connection Chamber as per detail CHD-242	20d	08-Dec-16	05-Jan-17	-5d
E-SWJ-1250	Connection to the existing pipeline	3d	05-Jan-17	12-Jan-17	12d
E-SWJ-1260	Installation of Monitoring Chamber (2) as per detail M-VCFM	20d	05-Jan-17	01-Feb-17	-5d
Installation of Electro - Mechanical Component					
Zone 01					
Electro - Mechanical work - Zone 01					
SWJ-2000	Mechanical and Electrical installation Zone 1	21d	22-Nov-16	19-Dec-16	4d
SWJ-2020	Installation of Cathodic Protection system - Anode and Test Station for Zone 1	20d	27-Sep-16	20-Oct-16	-19d
Instrumentation and SCADA Programming - Zone 01					
SWJ-2030	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 1	10d	19-Dec-16	02-Jan-17	4d
SWJ-2040	SCADA Head-End Integration and Programming - Zone 1	5d	02-Jan-17	09-Jan-17	4d
Zone 02					
Electro - Mechanical work - Zone 02					
SWJ-2050	Mechanical and Electrical installation Zone 02	21d	18-Dec-16	17-Jan-17	-16d
SWJ-2060	Installation of Cathodic Protection system - Anode and Test Station for Zone 02	20d	24-Nov-16	20-Dec-16	18d
Instrumentation and SCADA Programming - Zone 02					
SWJ-2070	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 02	10d	17-Jan-17	29-Jan-17	-16d
SWJ-2080	SCADA Head-End Integration and Programming - Zone 02	5d	29-Jan-17	04-Feb-17	-16d
Zone 03					
Electro - Mechanical work - Zone 03					
SWJ-2090	Mechanical and Electrical installation Zone 03	21d	21-Dec-16	21-Jan-17	-19d
SWJ-2100	Installation of Cathodic Protection system - Anode and Test Station for Zone 03	20d	21-May-16	16-Jun-16	106d



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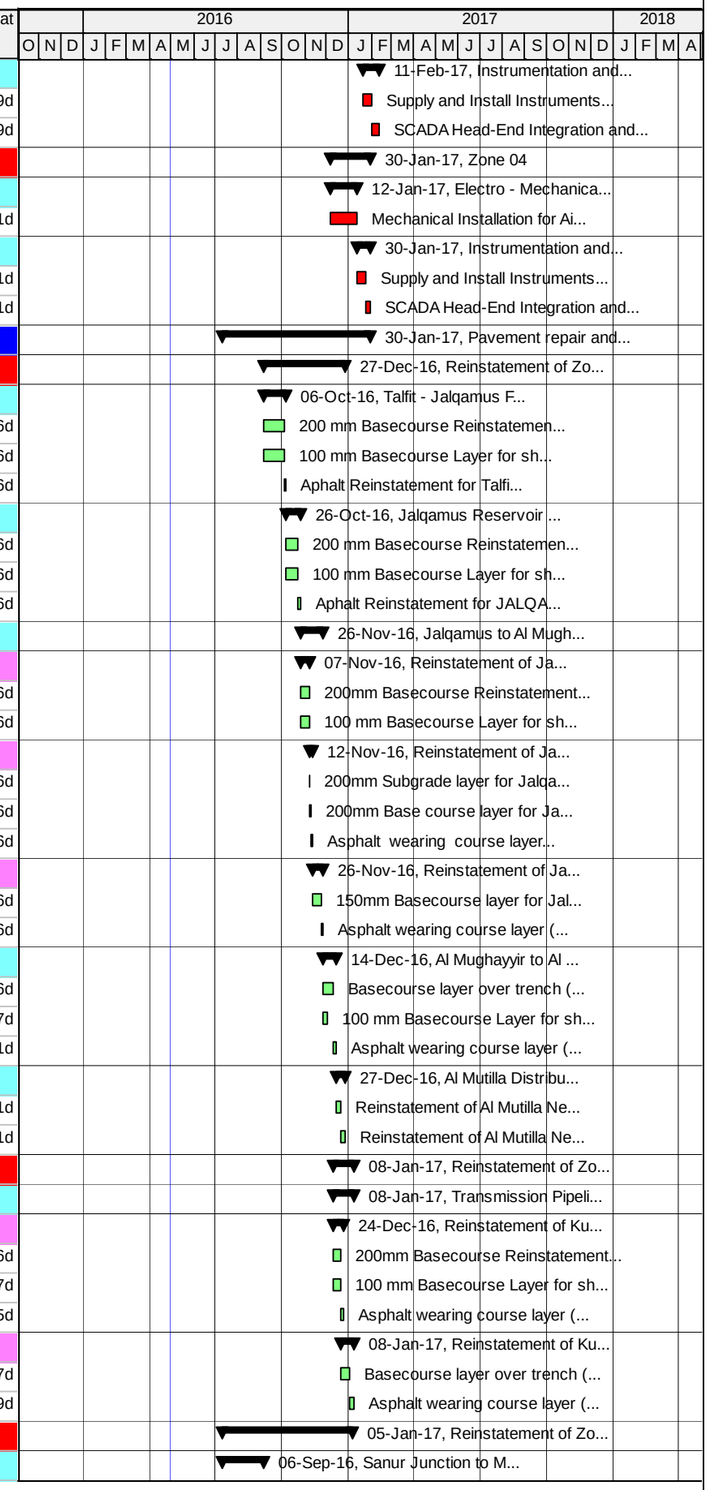
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Instrumentation and SCADA Programming - Zone 03					
SWJ-2110	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 03	10d	21-Jan-17	01-Feb-17	-19d
SWJ-2120	SCADA Head-End Integration and Programming - Zone 03	5d	01-Feb-17	11-Feb-17	-19d
Zone 04					
Electro - Mechanical work - Zone 04					
SWJ-2130	Mechanical Installation for Air Valves and Washouts chambers - Zone 04	24d	07-Dec-16	12-Jan-17	-11d
Instrumentation and SCADA Programming - Zone 04					
SWJ-2150	Supply and Install Instruments for the site and its facilities and Structures per section 13500A, P&ID - Zone 04	10d	12-Jan-17	24-Jan-17	-11d
SWJ-2160	SCADA Head-End Integration and Programming - Zone 04	5d	24-Jan-17	30-Jan-17	-11d
Pavement repair and reinstatement					
Reinstatement of Zone 01					
Talfit - Jalqamus Force line (Talfit Junction to Jalqamus Reservoir)					
E-TJT-1120	200 mm Basecourse Reinstatement over trench for Talfit - Jalqamus line from St. 0+000 to St.2+140	19d	06-Sep-16	03-Oct-16	16d
E-TJT-1125	100 mm Basecourse Layer for shoulder width for Talfit - Jalqamus line from St. 0+000 to St.2+140	19d	06-Sep-16	03-Oct-16	16d
E-TJT-1130	Aphalt Reinstatement for Talfit - Jalqamus St. 0+000 to St. 0+010,	3d	03-Oct-16	06-Oct-16	16d
Jalqamus Reservoir to Umatut Force Line (Jalqamus Junction) (150mm x 1.8 km)					
E-JLT-1100	200 mm Basecourse Reinstatement over trench for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	14d	06-Oct-16	23-Oct-16	16d
E-JLT-1120	100 mm Basecourse Layer for shoulder width for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	14d	06-Oct-16	23-Oct-16	16d
E-JLT-1130	Aphalt Reinstatement for JALQAMUS-UMATUT Line from St. 0+190 to St.1+880	3d	23-Oct-16	26-Oct-16	16d
Jalqamus to Al Mughayyir Force Line					
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 0+000 to St. 1+500					
E-JMT-1140	200mm Basecourse Reinstatement over trench for Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.1+500	10d	26-Oct-16	07-Nov-16	16d
E-JMT-1165	100 mm Basecourse Layer for shoulder width of Jalqamus to Al Mughayyir pipeline from St. 0+000 to St.1+500	10d	26-Oct-16	07-Nov-16	16d
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770					
E-JMT-1150	200mm Subgrade layer for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770	1d	07-Nov-16	08-Nov-16	16d
E-JMT-1175	200mm Base course layer for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770	2d	08-Nov-16	10-Nov-16	16d
E-JMT-1185	Asphalt wearing course layer (5 cm) for Jalqamus to Al Mughayyir pipeline from St. 1+500 to St. 1+770 include MC	1d	10-Nov-16	12-Nov-16	16d
Reinstatement of Jalqamus to Al Mughayyir pipeline from St. 1+770 to St. 2+772					
E-JMT-1155	150mm Basecourse layer for Jalqamus to Al Mughayyir pipeline from St.1+770 to St.2+772	9d	12-Nov-16	23-Nov-16	16d
E-JMT-1195	Asphalt wearing course layer (6 cm) for Jalqamus to Al Mughayyir pipeline from St.1+770 to St.2+772 include MC	2d	23-Nov-16	26-Nov-16	16d
Al Mughayyir to Al Mutilla Force Line (Al Mutilla Booster Station to Al Mutilla Reservoir)					
E-MTT-1220	Basecourse layer over trench (200mm and 150mm) for Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680	12d	26-Nov-16	10-Dec-16	16d
E-MTT-1230	100 mm Basecourse Layer for shoulder width of Al Mughayyir to Al Mutilla Force Line from St. 0+100 to St. 0+980	6d	26-Nov-16	03-Dec-16	27d
E-MTT-1240	Asphalt wearing course layer (6 cm) for Al Mughayyir to Al Mutilla Force Line from St. 0+000 to St.1+680 include MC	4d	10-Dec-16	14-Dec-16	21d
Al Mutilla Distribution Network					
E-MTN-1110	Reinstatement of Al Mutilla Network - from Al Mutilla Elevated Reservoir (260 m)	3d	14-Dec-16	20-Dec-16	21d
E-MTN-1120	Reinstatement of Al Mutilla Network - Branches from 75 mm pipe (320 m)	5d	20-Dec-16	27-Dec-16	21d
Reinstatement of Zone 02					
Transmission Pipeline - Yabad Junction to Kuferit Reservoir					
Reinstatement of Kuferit Force Line from St. 0+000 to St. 1+210					
E-YKT-1180	200mm Basecourse Reinstatement over trench for Kuferit Force Line from St. 0+000 to St. 1+210	8d	10-Dec-16	21-Dec-16	16d
E-YKT-1200	100 mm Basecourse Layer for shoulder width of Kuferit Force Line from St. 0+030 to St. 1+210	8d	10-Dec-16	21-Dec-16	17d
E-YKT-1210	Asphalt wearing course layer (5 cm) for Kuferit Force Line from St. 0+000 to St. 0+030 (execluding BC)	2d	21-Dec-16	24-Dec-16	35d
Reinstatement of Kuferit Force Line from St. 1+210 to St. 2+300					
E-YKT-1190	Basecourse layer over trench (200mm & 150mm) for Kuferit Force Line from St. 1+210 to St. 2+300	8d	21-Dec-16	02-Jan-17	17d
E-YKT-1220	Asphalt wearing course layer (5 cm) for Kuferit Force Line from St. 1+210 to St. 2+300 including MC	4d	02-Jan-17	08-Jan-17	29d
Reinstatement of Zone 03					
Sanur Junction to Maythaloun Well Main Transmission Pipeline (250mm x 3.7 km)					



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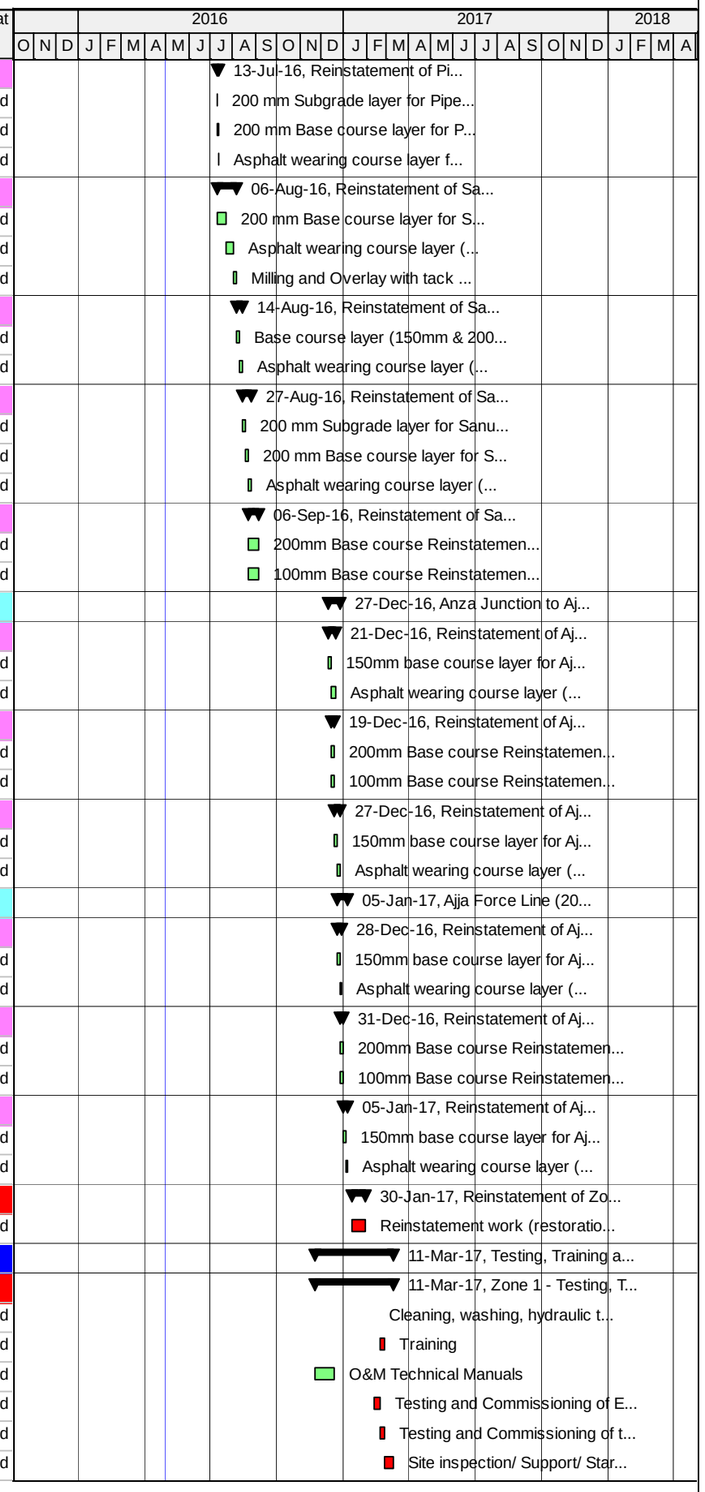
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Reinstatement of Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085					
E-SMT-1283	200 mm Subgrade layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085	1d	10-Jul-16	11-Jul-16	36d
E-SMT-1585	200 mm Base course layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085	1d	11-Jul-16	12-Jul-16	36d
E-SMT-1595	Asphalt wearing course layer for Pipe Connection to Outlet Pipeline from Booster Station St. 0+000 to 0+085 including MC	1d	12-Jul-16	13-Jul-16	36d
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600					
E-SMT-1285	200 mm Base course layer for Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600	11d	10-Jul-16	23-Jul-16	16d
E-SMT-1605	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+600	8d	23-Jul-16	01-Aug-16	16d
E-SMT-1615	Milling and Overlay with tack coat (RC) and new 40 mm Ac surface layer for SMT from St. 0+000 to St.1+600	4d	01-Aug-16	06-Aug-16	16d
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080					
E-SMT-1305	Base course layer (150mm & 200mm) for Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080	4d	06-Aug-16	10-Aug-16	16d
E-SMT-1625	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 1+600 to St.2+080	3d	10-Aug-16	14-Aug-16	16d
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840					
E-SMT-1315	200 mm Subgrade layer for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	4d	14-Aug-16	18-Aug-16	16d
E-SMT-1635	200 mm Base course layer for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	4d	18-Aug-16	23-Aug-16	16d
E-SMT-1645	Asphalt wearing course layer (6 cm) for Sanur - Maythaloun Transmission Pipeline from St. 2+080 to St.2+840	3d	23-Aug-16	27-Aug-16	131d
Reinstatement of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647					
E-SMT-1575	200mm Base course Reinstatement over trench of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647	12d	23-Aug-16	06-Sep-16	16d
E-SMT-1655	100mm Base course Reinstatement for shoulder of Sanur - Maythaloun Transmission Pipeline from St. 2+840 to St.3+647	12d	23-Aug-16	06-Sep-16	16d
Anza Junction to Ajja Reservoir Transmission (Ajja Feeder Pipeline) (200mm x 1.1 km)					
Reinstatement of Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845					
E-AAT-1220	150mm base course layer for Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845	4d	10-Dec-16	14-Dec-16	16d
E-AAT-1250	Asphalt wearing course layer (6 cm) for Ajja Feeder Pipeline from St. 0+235 to St. 0+550 and St. 0+635 to St. 0+845	4d	14-Dec-16	21-Dec-16	35d
Reinstatement of Ajja Feeder Pipeline from St. 0+550 to St. 0+635					
E-AAT-1230	200mm Base course Reinstatement over trench of Ajja Feeder Pipeline from St. 0+550 to St. 0+635	2d	14-Dec-16	19-Dec-16	16d
E-AAT-1260	100mm Base course Reinstatement for shoulder of Ajja Feeder Pipeline from St. 0+550 to St. 0+635	2d	14-Dec-16	19-Dec-16	16d
Reinstatement of Ajja Feeder Pipeline from St. 0+845 to St. 1+259					
E-AAT-1240	150mm base course layer for Ajja Feeder Pipeline from St. 0+845 to St. 1+259	3d	19-Dec-16	22-Dec-16	16d
E-AAT-1270	Asphalt wearing course layer (6 cm) for Ajja Feeder Pipeline from St. 0+845 to St. 1+259	3d	22-Dec-16	27-Dec-16	34d
Ajja Force Line (200mm x 1.2 km)					
Reinstatement of Ajja Force Line from St. 0+235 to St. 0+550					
E-AJP-1250	150mm base course layer for Ajja Force Line from St. 0+235 to St. 0+550	2d	22-Dec-16	26-Dec-16	16d
E-AJP-1280	Asphalt wearing course layer (6 cm) for Ajja Force Line from St. 0+235 to St. 0+550	1d	27-Dec-16	28-Dec-16	34d
Reinstatement of Ajja Force Line from St. 0+550 to St. 1+000					
E-AJP-1260	200mm Base course Reinstatement over trench of Ajja Force Line from St. 0+550 to St. 1+000	4d	26-Dec-16	31-Dec-16	16d
E-AJP-1290	100mm Base course Reinstatement for shoulder of Ajja Force Line from St. 0+550 to St. 1+000	4d	26-Dec-16	31-Dec-16	16d
Reinstatement of Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104					
E-AJP-1270	150mm base course layer for Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104	2d	31-Dec-16	03-Jan-17	16d
E-AJP-1300	Asphalt wearing course layer (6 cm) for Ajja Force Line from St. 1+000 to St. 1+033 & St. 1+065 to St. 1+104	2d	03-Jan-17	05-Jan-17	30d
Reinstatement of Zone 04					
E-AJP-1310	Reinstatement work (restoration) for zone 4	15d	12-Jan-17	30-Jan-17	-3d
Testing, Training and Commissioning					
Zone 1 - Testing, Training and Commissioning					
SWJ-1000	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	38d	19-Dec-16	11-Feb-17	-19d
SWJ-1010	Training	6d	19-Feb-17	26-Feb-17	-19d
SWJ-1020	O&M Technical Manuals	20d	22-Nov-16	18-Dec-16	33d
SWJ-1040	Testing and Commissioning of Electrical and Control System and Equipment	7d	11-Feb-17	19-Feb-17	-19d
SWJ-1050	Testing and Commissioning of the entire system	5d	19-Feb-17	25-Feb-17	-19d
SWJ-1060	Site inspection/ Support/ Start up	11d	26-Feb-17	11-Mar-17	-19d



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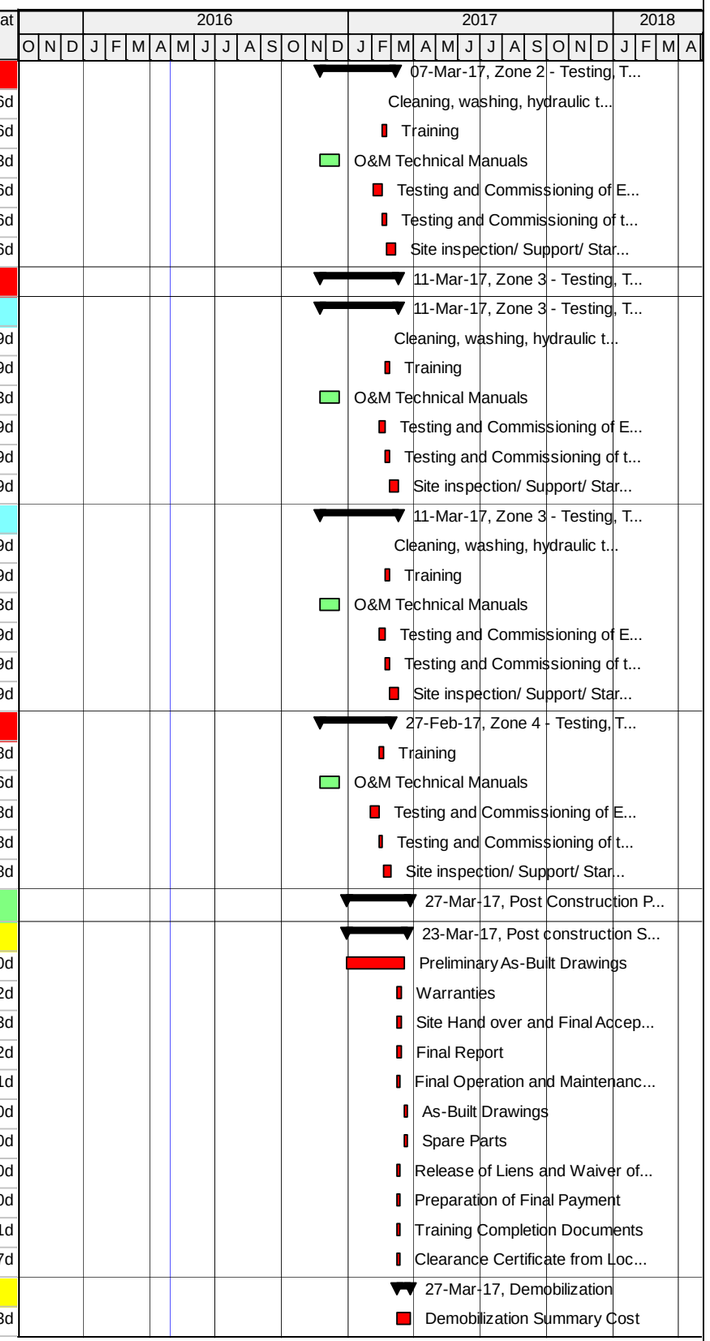
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Zone 2 - Testing, Training and Commissioning					
SWJ-2170	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	17-Jan-17	04-Feb-17	-16d
SWJ-2180	Training	6d	15-Feb-17	22-Feb-17	-16d
SWJ-2190	O&M Technical Manuals	20d	22-Nov-16	18-Dec-16	33d
SWJ-2200	Testing and Commissioning of Electrical and Control System and Equipment	7d	04-Feb-17	15-Feb-17	-16d
SWJ-2210	Testing and Commissioning of the entire system	5d	15-Feb-17	21-Feb-17	-16d
SWJ-2220	Site inspection/ Support/ Start up	11d	22-Feb-17	07-Mar-17	-16d
Zone 3 - Testing, Training and Commissioning					
Zone 3 - Testing, Training and Commissioning - SMT					
SWJ-2230	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	21-Jan-17	11-Feb-17	-19d
SWJ-2240	Training	6d	19-Feb-17	26-Feb-17	-19d
SWJ-2250	O&M Technical Manuals	20d	22-Nov-16	18-Dec-16	33d
SWJ-2260	Testing and Commissioning of Electrical and Control System and Equipment	7d	11-Feb-17	19-Feb-17	-19d
SWJ-2270	Testing and Commissioning of the entire system	5d	19-Feb-17	25-Feb-17	-19d
SWJ-2280	Site inspection/ Support/ Start up	11d	26-Feb-17	11-Mar-17	-19d
Zone 3 - Testing, Training and Commissioning - AJP					
SWJ-2350	Cleaning, washing, hydraulic test and disinfection for Transmission Pipeline	15d	21-Jan-17	11-Feb-17	-19d
SWJ-2360	Training	6d	19-Feb-17	26-Feb-17	-19d
SWJ-2370	O&M Technical Manuals	20d	22-Nov-16	18-Dec-16	33d
SWJ-2380	Testing and Commissioning of Electrical and Control System and Equipment	7d	11-Feb-17	19-Feb-17	-19d
SWJ-2390	Testing and Commissioning of the entire system	5d	19-Feb-17	25-Feb-17	-19d
SWJ-2400	Site inspection/ Support/ Start up	11d	26-Feb-17	11-Mar-17	-19d
Zone 4 - Testing, Training and Commissioning					
SWJ-2300	Training	6d	11-Feb-17	18-Feb-17	-8d
SWJ-2310	O&M Technical Manuals	20d	22-Nov-16	18-Dec-16	36d
SWJ-2320	Testing and Commissioning of Electrical and Control System and Equipment	7d	30-Jan-17	11-Feb-17	-8d
SWJ-2330	Testing and Commissioning of the entire system	5d	11-Feb-17	16-Feb-17	-8d
SWJ-2340	Site inspection/ Support/ Start up	8d	18-Feb-17	27-Feb-17	-8d
Post Construction Phase					
Post construction Submittals					
SWJ-PCS-1000	Preliminary As-Built Drawings	60d	29-Dec-16	18-Mar-17	-30d
SWJ-PCS-1020	Warranties	5d	08-Mar-17	14-Mar-17	-22d
SWJ-PCS-1030	Site Hand over and Final Acceptence Certificate	6d	08-Mar-17	15-Mar-17	-23d
SWJ-PCS-1040	Final Report	5d	08-Mar-17	14-Mar-17	-22d
SWJ-PCS-1050	Final Operation and Maintenance O&M Manual	4d	08-Mar-17	13-Mar-17	-21d
SWJ-PCS-1060	As-Built Drawings	5d	18-Mar-17	23-Mar-17	-30d
SWJ-PCS-1070	Spare Parts	5d	18-Mar-17	23-Mar-17	-30d
SWJ-PCS-1080	Release of Liens and Waiver of Debts and Claims letter	3d	08-Mar-17	12-Mar-17	-20d
SWJ-PCS-1090	Preparation of Final Payment	3d	08-Mar-17	12-Mar-17	-20d
SWJ-PCS-1100	Training Completion Documents	4d	08-Mar-17	13-Mar-17	-21d
SWJ-PCS-1110	Clearance Certificate from Local Authorities	3d	08-Mar-17	13-Mar-17	-17d
Demobilization					
A2090	Demobilization Summary Cost	16d	08-Mar-17	27-Mar-17	-33d



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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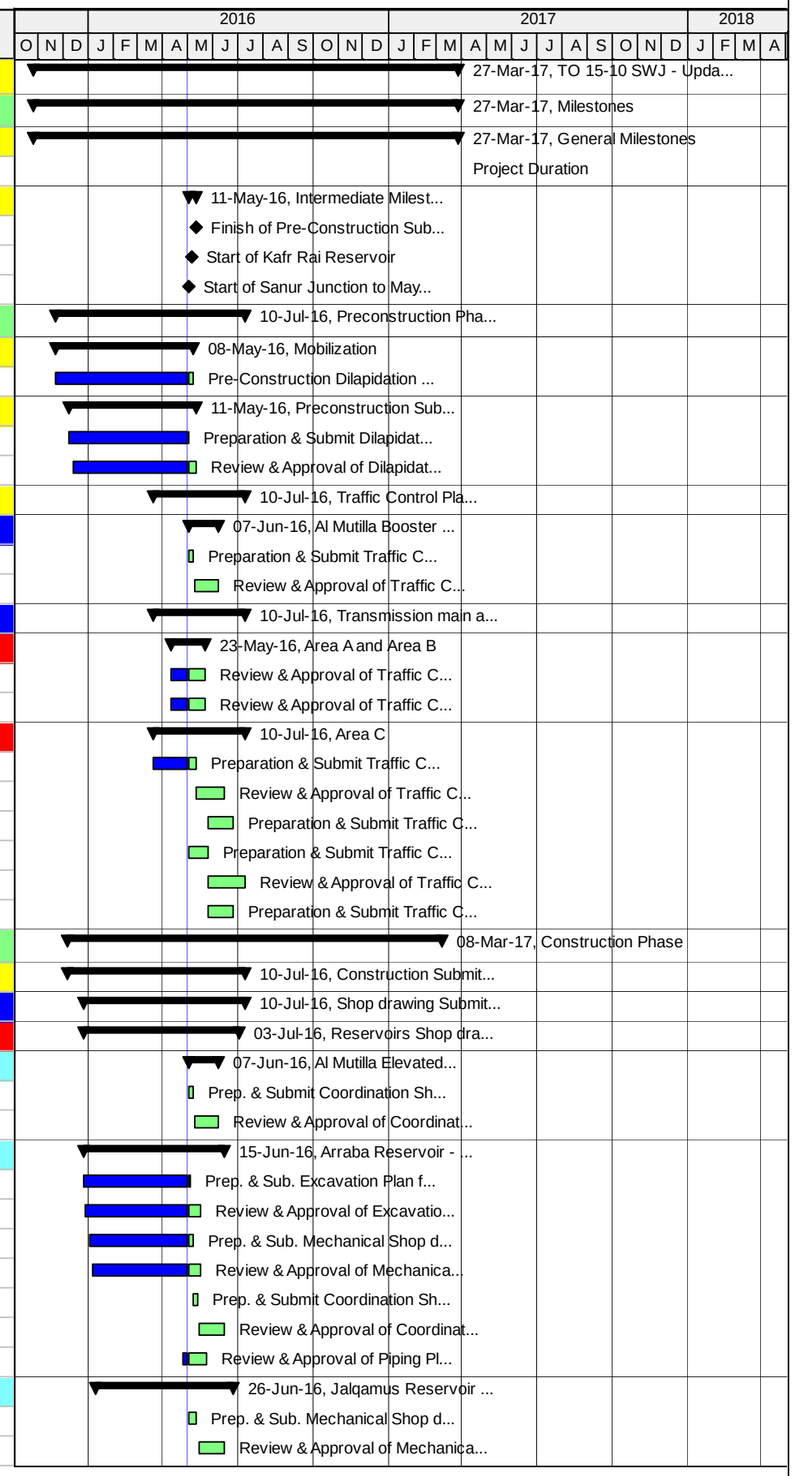
Annex D – One Month Look Ahead schedule

TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

30-Apr-16 11:53

Activity ID	Activity Name	Original Duration	Start	Finish
TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project				
Milestones				
General Milestones				
A-1010	Project Duration	316d	26-Oct-15 A	27-Mar-17
Intermediate Milestones				
AI-1030	Finish of Pre-Construction Submittals	0d		11-May-16
AI-KRR-1110	Start of Kafr Rai Reservoir	0d	07-May-16	
AI-MTR-1110	Start of Sanur Junction to Maythaloun Well	0d	03-May-16	
Preconstruction Phase				
Mobilization				
SWJ - MOB-1000	Pre-Construction Dilapidation Survey	15d	22-Nov-15	08-May-16
Preconstruction Submittals				
SWJ-PC-SUB-17	Preparation & Submit Dilapidation Survey	3d	09-Dec-15	03-May-16
SWJ-PC-SUB-17-R&A	Review & Approval of Dilapidation Survey	21d	14-Dec-15	11-May-16
Traffic Control Plan Submittals				
Al Mutilla Booster Station Traffic Control Plan Submittals				
SWJ-TCP-1020	Preparation & Submit Traffic Control Plan for Al Mutilla Booster Station	5d	03-May-16	08-May-16
SWJ-TCP-1030	Review & Approval of Traffic Control Plan for Al Mutilla Booster Station	21d	09-May-16	07-Jun-16
Transmission main and supply pipelines Traffic Control Plan Submittals				
Area A and Area B				
SWJ-TCP-1330	Review & Approval of Traffic Control Plan for Yabad-Kuferit Pipeline (Area A and B)	21d	11-Apr-16 A	23-May-16
SWJ-TCP-1350	Review & Approval of Traffic Control Plan for Anza-Ajja (Area A and B)	21d	11-Apr-16 A	23-May-16
Area C				
SWJ-TCP-1420	Preparation & Submit Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	20d	20-Mar-16 A	11-May-16
SWJ-TCP-1430	Review & Approval of Traffic Control Plan for Anza-Ajja (Area C) From STA: 0+270 to STA: 1+104	21d	12-May-16	14-Jun-16
SWJ-TCP-1440	Preparation & Submit Traffic Control Plan for Yabad-Kuferit Pipeline (Area C) From STA: 0+000 to STA: 0+640	20d	26-May-16	26-Jun-16
SWJ-TCP-1460	Preparation & Submit Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	20d	03-May-16	25-May-16
SWJ-TCP-1470	Review & Approval of Traffic Control Plan for AL Mughayyir-AL Mutilla Force Line From STA 0+270 to STA: 1+430.	21d	26-May-16	10-Jul-16
SWJ-TCP-1480	Preparation & Submit Traffic Control Plan for Zone 4, Location 8, 9 and 10 (Area C)	20d	26-May-16	26-Jun-16
Construction Phase				
Construction Submittals				
Shop drawing Submittals				
Reservoirs Shop drawing Submittals				
Al Mutilla Elevated Reservoir - New Construction 500 m3				
MTR-SD-220	Prep. & Submit Coordination Shop drawing for Al Mutilla Elevated Reservoir	5d	03-May-16	08-May-16
MTR-SD-230	Review & Approval of Coordination Shop drawing for Al Mutilla Elevated Reservoir	21d	09-May-16	07-Jun-16
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3				
ARR-SD-140	Prep. & Sub. Excavation Plan for Arraba Reservoir	5d	26-Dec-15	04-May-16
ARR-SD-150	Review & Approval of Excavation Plan for Arraba Reservoir	21d	28-Dec-15	17-May-16
ARR-SD-180	Prep. & Sub. Mechanical Shop drawing for Arraba Reservoir	9d	03-Jan-16 A	08-May-16
ARR-SD-190	Review & Approval of Mechanical Shop drawing for Arraba Reservoir	21d	06-Jan-16 A	17-May-16
ARR-SD-220	Prep. & Submit Coordination Shop drawing for Arraba Reservoir	5d	08-May-16	14-May-16
ARR-SD-230	Review & Approval of Coordination Shop drawing for Arraba Reservoir	21d	15-May-16	15-Jun-16
ARR-SD-270	Review & Approval of Piping Plan for Arraba Reservoir	21d	25-Apr-16 A	24-May-16
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1,000 m3				
JLR-SD-1080	Prep. & Sub. Mechanical Shop drawing for Jalqamus Reservoir	9d	03-May-16	12-May-16
JLR-SD-1090	Review & Approval of Mechanical Shop drawing for Jalqamus Reservoir	21d	15-May-16	15-Jun-16



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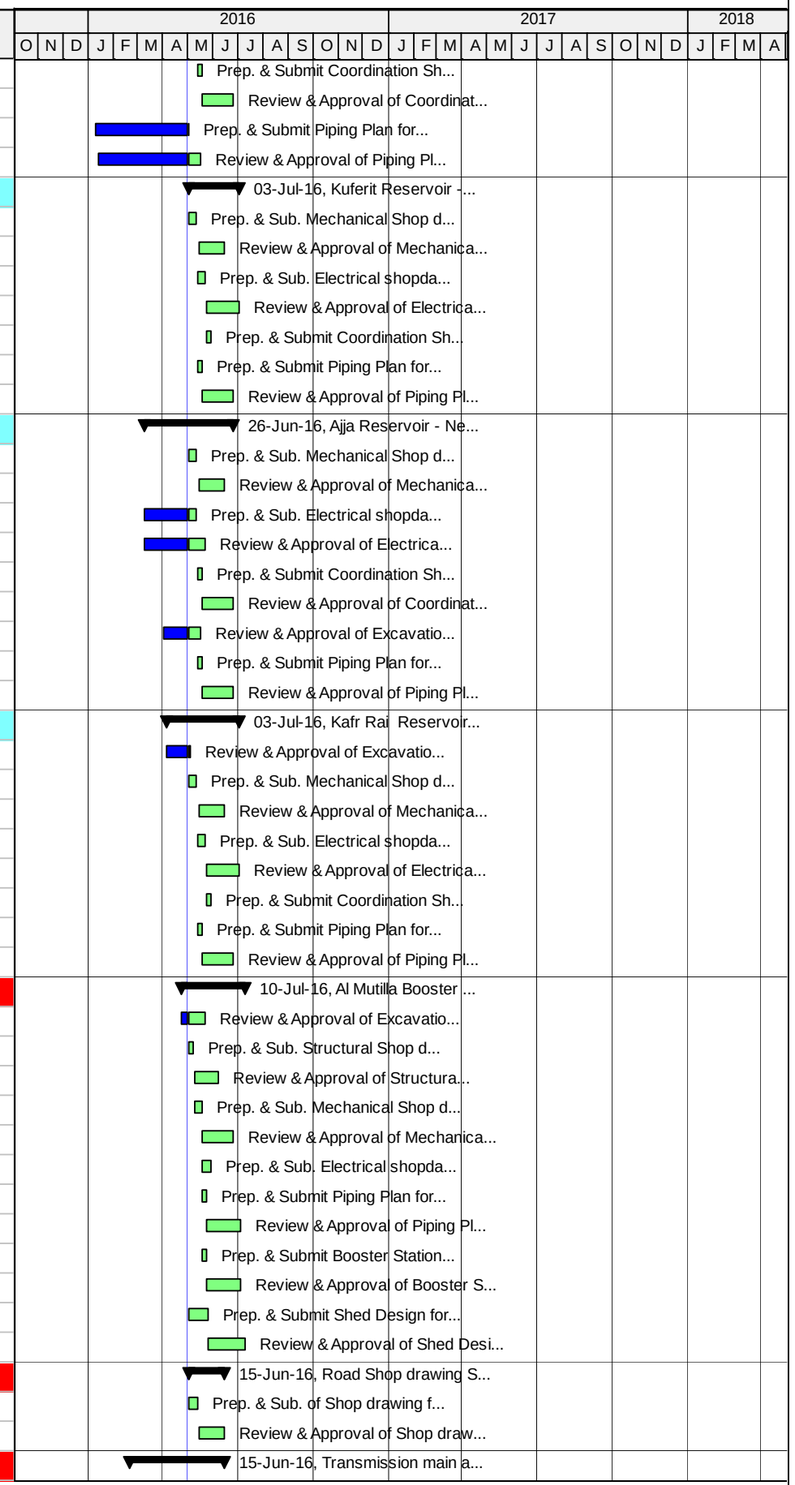
Activity ID	Activity Name	Original Duration	Start	Finish
JLR-SD-1120	Prep. & Submit Coordination Shop drawing for Jalqamus Reservoir	5d	14-May-16	18-May-16
JLR-SD-1130	Review & Approval of Coordination Shop drawing for Jalqamus Reservoir	21d	19-May-16	26-Jun-16
JLR-SD-1160	Prep. & Submit Piping Plan for Jalqamus Reservoir	5d	10-Jan-16 A	03-May-16
JLR-SD-1170	Review & Approval of Piping Plan for Jalqamus Reservoir	21d	13-Jan-16 A	17-May-16
Kuferit Reservoir - New Construction 500 m3				
KFR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kuferit Reservoir	9d	03-May-16	12-May-16
KFR-SD-190	Review & Approval of Mechanical Shop drawing for Kuferit Reservoir	21d	15-May-16	15-Jun-16
KFR-SD-200	Prep. & Sub. Electrical shopdarwing for Kuferit Reservoir	9d	14-May-16	23-May-16
KFR-SD-210	Review & Approval of Electrical shopdarwing for Kuferit Reservoir	21d	24-May-16	03-Jul-16
KFR-SD-220	Prep. & Submit Coordination Shop drawing for Kuferit Reservoir	5d	24-May-16	29-May-16
KFR-SD-260	Prep. & Submit Piping Plan for Kuferit Reservoir	5d	14-May-16	18-May-16
KFR-SD-270	Review & Approval of Piping Plan for Kuferit Reservoir	21d	19-May-16	26-Jun-16
Ajja Reservoir - New Construction 1,000 m3				
AJR-SD-1040	Prep. & Sub. Mechanical Shop drawing for Ajja Reservoir	9d	03-May-16	12-May-16
AJR-SD-1050	Review & Approval of Mechanical Shop drawing for Ajja Reservoir	21d	15-May-16	15-Jun-16
AJR-SD-1060	Prep. & Sub. Electrical shopdarwing for Ajja Reservoir	9d	09-Mar-16 A	11-May-16
AJR-SD-1070	Review & Approval of Electrical shopdarwing for Ajja Reservoir	21d	09-Mar-16 A	23-May-16
AJR-SD-1110	Prep. & Submit Coordination Shop drawing for Ajja Reservoir	5d	14-May-16	18-May-16
AJR-SD-1115	Review & Approval of Coordination Shop drawing for Ajja Reservoir	21d	19-May-16	26-Jun-16
AJR-SD-1130	Review & Approval of Excavation Plan for Ajja Reservoir	21d	03-Apr-16 A	17-May-16
AJR-SD-1170	Prep. & Submit Piping Plan for Ajja Reservoir	5d	14-May-16	18-May-16
AJR-SD-1175	Review & Approval of Piping Plan for Ajja Reservoir	21d	19-May-16	26-Jun-16
Kafr Rai Reservoir - New Construction 1,000 m3				
KRR-SD-150	Review & Approval of Excavation Plan for Kafr Rai Reservoir	21d	05-Apr-16 A	05-May-16
KRR-SD-180	Prep. & Sub. Mechanical Shop drawing for Kafr Rai Reservoir	9d	03-May-16	12-May-16
KRR-SD-190	Review & Approval of Mechanical Shop drawing for Kafr Rai Reservoir	21d	15-May-16	15-Jun-16
KRR-SD-200	Prep. & Sub. Electrical shopdarwing for Kafr Rai Reservoir	9d	14-May-16	23-May-16
KRR-SD-210	Review & Approval of Electrical shopdarwing for Kafr Rai Reservoir	21d	24-May-16	03-Jul-16
KRR-SD-220	Prep. & Submit Coordination Shop drawing for Kafr Rai Reservoir	5d	24-May-16	29-May-16
KRR-SD-260	Prep. & Submit Piping Plan for Kafr Rai Reservoir	5d	14-May-16	18-May-16
KRR-SD-270	Review & Approval of Piping Plan for Kafr Rai Reservoir	21d	19-May-16	26-Jun-16
Al Mutilla Booster Station Shop drawing Submittals				
MTB-SD-150	Review & Approval of Excavation Plan for Al Mutilla Booster Station	21d	24-Apr-16 A	23-May-16
MTB-SD-160	Prep. & Sub. Structural Shop drawing for Al Mutilla Booster Station	5d	03-May-16	08-May-16
MTB-SD-170	Review & Approval of Structural Shop drawing for Al Mutilla Booster Station	21d	09-May-16	07-Jun-16
MTB-SD-180	Prep. & Sub. Mechanical Shop drawing for Al Mutilla Booster Station	9d	09-May-16	18-May-16
MTB-SD-190	Review & Approval of Mechanical Shop drawing for Al Mutilla Booster Station	21d	19-May-16	26-Jun-16
MTB-SD-200	Prep. & Sub. Electrical shopdarwing for Al Mutilla Booster Station	9d	19-May-16	29-May-16
MTB-SD-260	Prep. & Submit Piping Plan for Al Mutilla Booster Station	5d	19-May-16	24-May-16
MTB-SD-270	Review & Approval of Piping Plan for Al Mutilla Booster Station	21d	25-May-16	04-Jul-16
MTB-SD-300	Prep. & Submit Booster Station SCADA-PLC system for Al Mutilla Booster Station	5d	19-May-16	24-May-16
MTB-SD-310	Review & Approval of Booster Station SCADA-PLC system for Al Mutilla Booster Station	21d	25-May-16	04-Jul-16
MTB-SD-320	Prep. & Submit Shed Design for Al Mutilla Booster Station	20d	03-May-16	25-May-16
MTB-SD-330	Review & Approval of Shed Design for Al Mutilla Booster Station	21d	26-May-16	10-Jul-16
Road Shop drawing Submittals				
R-SD-1060	Prep. & Sub. of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	10d	03-May-16	14-May-16
R-SD-1070	Review & Approval of Shop drawing for Access Road to Kufr Rai Reservoir (62 m of two-lane road with shoulder)	21d	15-May-16	15-Jun-16
Transmission main and supply pipelines Shop drawing Submittals				



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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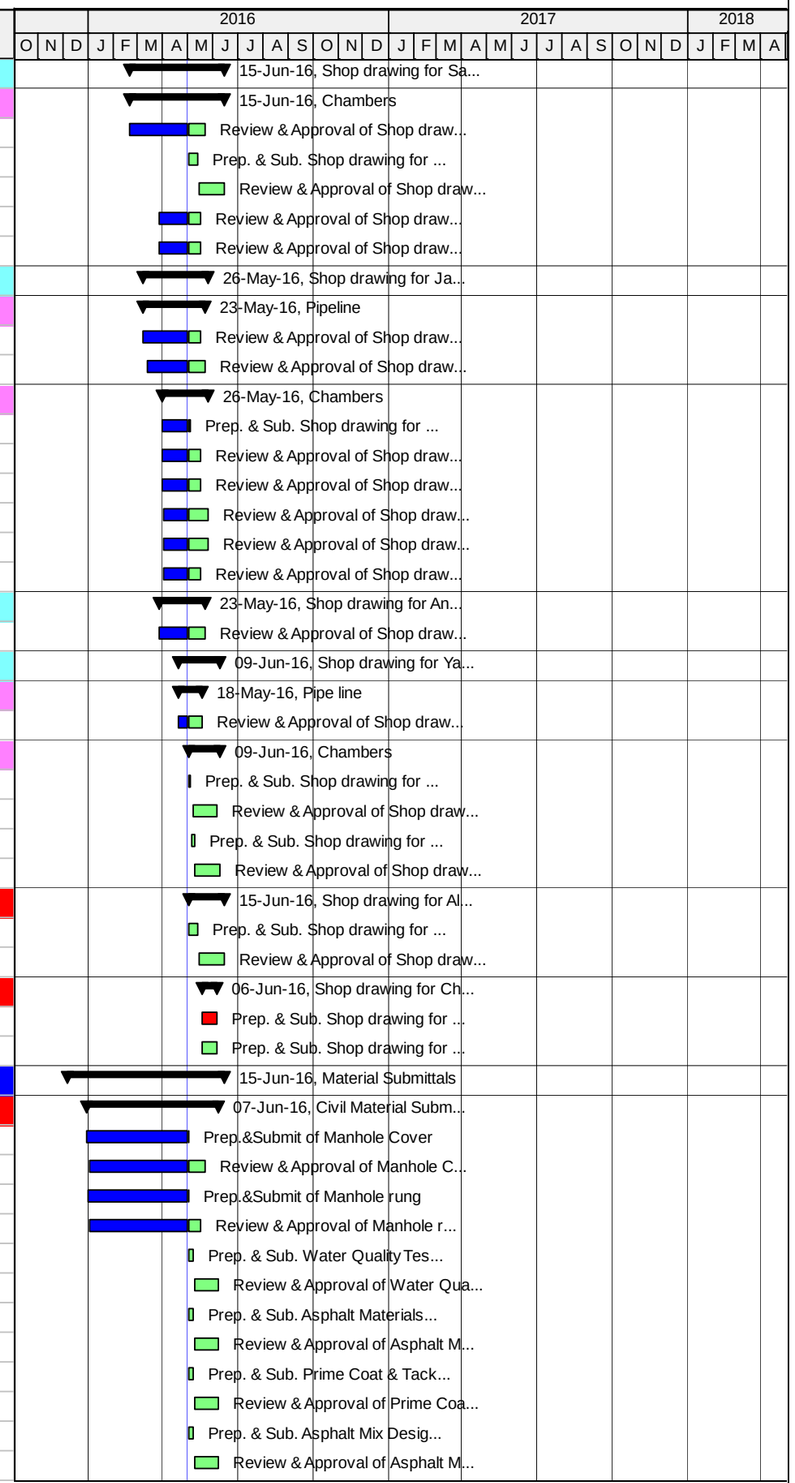
Activity ID	Activity Name	Original Duration	Start	Finish
Shop drawing for Sanur - Maythaloun Transmission Pipeline (250mm x 3.7 km)				
Chambers				
SMT-SD-1080	Review & Approval of Shop drawing for Flow Monitoring Chamber at Station 3+620 (M-VCFM) - Sanur Transmission	21d	21-Feb-16 A	23-May-16
SMT-SD-1090	Prep. & Sub. Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	10d	03-May-16	14-May-16
SMT-SD-1100	Review & Approval of Shop drawing for Inlet Connection Chamber at Station 3+680 (CHD - 105)	21d	15-May-16	15-Jun-16
SMT-SD-1120	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 150mm (CCH-106)	21d	27-Mar-16 A	17-May-16
SMT-SD-1140	Review & Approval of Shop drawing for Meithalun Well Outlet Connection Chamber 250mm (CCH-106)	21d	27-Mar-16 A	17-May-16
Shop drawing for Jalqamus - Al Mutilla Transmission Pipeline				
Pipeline				
TJT-SD-1050	Review & Approval of Shop drawing for Um Atut - Al Mutilla Transmission Pipeline (from St. 0+000 to St. 3+400) (150mm)	21d	08-Mar-16 A	17-May-16
TJT-SD-1070	Review & Approval of Shop drawing for Al Mutilla Transmission Pipeline (from St. 0+000 to St. 1+720) (150mm)	21d	14-Mar-16 A	23-May-16
Chambers				
TJT-SD-1080	Prep. & Sub. Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	5d	31-Mar-16 A	04-May-16
TJT-SD-1090	Review & Approval of Shop drawing for AAU Connection Chamber at Station 0+620 (CHD-155)	21d	31-Mar-16 A	17-May-16
TJT-SD-1110	Review & Approval of Shop drawing for Tanin Connection Chamber at station 1+030	21d	31-Mar-16 A	17-May-16
TJT-SD-1130	Review & Approval of Shop drawing for Jalqamous Connection Chamber (CHD-171)	21d	03-Apr-16 A	26-May-16
TJT-SD-1150	Review & Approval of Shop drawing for Umatut Connection Chamber (CHD-173)	21d	03-Apr-16 A	25-May-16
TJT-SD-1170	Review & Approval of Shop drawing for Al Mughayyir Connection Chamber (CHD-191)	21d	03-Apr-16 A	17-May-16
Shop drawing for Anza - Ajja Transmission Pipeline				
AAT-SD-1030	Review & Approval of Shop drawing for Ajja Force Line Pipeline (from St. AAT 0+000 to St. 1+080) (200mm)	21d	28-Mar-16 A	23-May-16
Shop drawing for Yabad - Kuferit Transmission Pipeline				
Pipe line				
YKT-SD-1010	Review & Approval of Shop drawing for Yabad - Kuferit Transmission Pipeline (from St. YKT 0+000 to St. 2+300) (150mm)	21d	21-Apr-16 A	18-May-16
Chambers				
YKT-SD-1020	Prep. & Sub. Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	3d	03-May-16	05-May-16
YKT-SD-1030	Review & Approval of Shop drawing for Connection Chamber at station 0+618 on 150mm pipe (CHF-122)	21d	08-May-16	05-Jun-16
YKT-SD-1040	Prep. & Sub. Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	3d	07-May-16	09-May-16
YKT-SD-1050	Review & Approval of Shop drawing for Future Connection to Kufiret Well (150mm Gate Valve at Station 1+220)	21d	10-May-16	09-Jun-16
Shop drawing for Al Mutilla Distribution Network				
MTN-SD-1000	Prep. & Sub. Shop drawing for Al Mutilla Distribution Network	10d	03-May-16	14-May-16
MTN-SD-1010	Review & Approval of Shop drawing for Al Mutilla Distribution Network	21d	15-May-16	15-Jun-16
Shop drawing for Chamber Construction, Replacement, and Rehabilitation				
SWJ-CH-SD-1000	Prep. & Sub. Shop drawing for Monitoring Chamber (1) as per detail M-VCFM	15d	19-May-16	06-Jun-16
SWJ-CH-SD-1020	Prep. & Sub. Shop drawing for Monitoring Chamber (1) with Main Pipeline from Qabatiya Well	15d	19-May-16	06-Jun-16
Material Submittals				
Civil Material Submittals				
SWJ-CMS-1070	Prep.&Submit of Manhole Cover	7d	30-Dec-15	03-May-16
SWJ-CMS-1080	Review & Approval of Manhole Cover	21d	03-Jan-16 A	23-May-16
SWJ-CMS-1090	Prep.&Submit of Manhole rung	7d	02-Jan-16 A	03-May-16
SWJ-CMS-1100	Review & Approval of Manhole rung	21d	03-Jan-16 A	17-May-16
SWJ-CMS-1260	Prep. & Sub. Water Quality Testing lab	5d	03-May-16	08-May-16
SWJ-CMS-1270	Review & Approval of Water Quality Testing lab	21d	09-May-16	07-Jun-16
SWJ-CMS-1420	Prep. & Sub. Asphalt Materials Source	5d	03-May-16	08-May-16
SWJ-CMS-1430	Review & Approval of Asphalt Materials Source	21d	09-May-16	07-Jun-16
SWJ-CMS-1440	Prep. & Sub. Prime Coat & Tack Coat	5d	03-May-16	08-May-16
SWJ-CMS-1450	Review & Approval of Prime Coat & Tack Coat	21d	09-May-16	07-Jun-16
SWJ-CMS-1540	Prep. & Sub. Asphalt Mix Design	5d	03-May-16	08-May-16
SWJ-CMS-1550	Review & Approval of Asphalt Mix Design	21d	09-May-16	07-Jun-16



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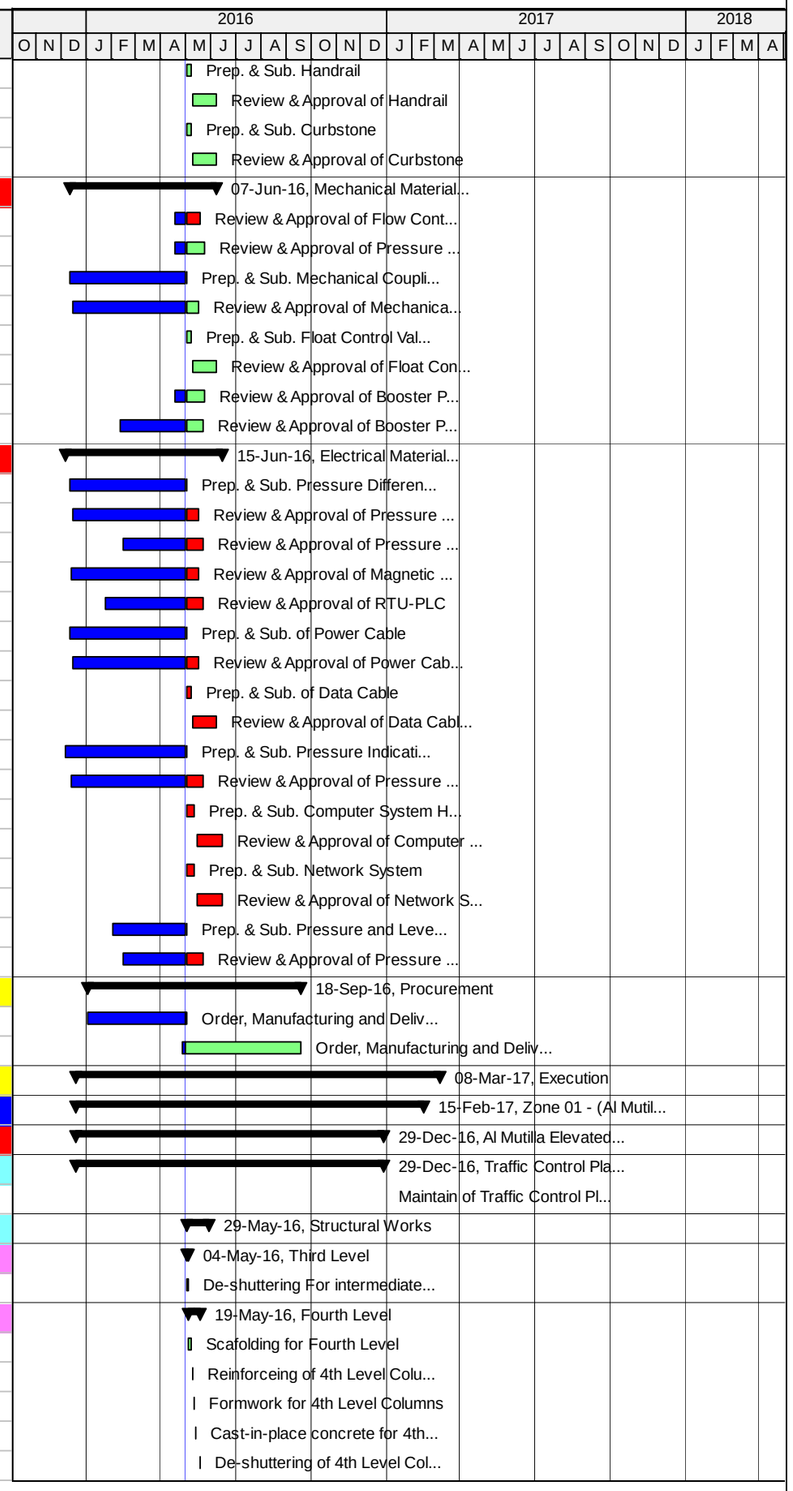
Activity ID	Activity Name	Original Duration	Start	Finish
SWJ-CMS-1600	Prep. & Sub. Handrail	5d	03-May-16	08-May-16
SWJ-CMS-1610	Review & Approval of Handrail	21d	09-May-16	07-Jun-16
SWJ-CMS-1640	Prep. & Sub. Curbstone	5d	03-May-16	08-May-16
SWJ-CMS-1650	Review & Approval of Curbstone	21d	09-May-16	07-Jun-16
Mechanical Material Submittals				
SWJ-MMS-1130	Review & Approval of Flow Control Valve	21d	18-Apr-16 A	18-May-16
SWJ-MMS-1150	Review & Approval of Pressure Reducing Valve	21d	18-Apr-16 A	24-May-16
SWJ-MMS-1360	Prep. & Sub. Mechanical Coupling	10d	12-Dec-15	03-May-16
SWJ-MMS-1370	Review & Approval of Mechanical Coupling	21d	15-Dec-15	17-May-16
SWJ-MMS-1400	Prep. & Sub. Float Control Valve	5d	03-May-16	08-May-16
SWJ-MMS-1410	Review & Approval of Float Control Valve	21d	09-May-16	07-Jun-16
SWJ-MMS-1430	Review & Approval of Booster Pump Control Valves	21d	18-Apr-16 A	24-May-16
SWJ-MMS-1450	Review & Approval of Booster Pump flow meter	21d	11-Feb-16 A	23-May-16
Electrical Material Submittals				
SWJ-EMS-100	Prep. & Sub. Pressure Differential switches	9d	13-Dec-15	03-May-16
SWJ-EMS-110	Review & Approval of Pressure differential switches	21d	15-Dec-15	17-May-16
SWJ-EMS-190	Review & Approval of Pressure Transmitters	21d	16-Feb-16 A	23-May-16
SWJ-EMS-210	Review & Approval of Magnetic flow-meters	21d	14-Dec-15	17-May-16
SWJ-EMS-230	Review & Approval of RTU-PLC	21d	24-Jan-16 A	23-May-16
SWJ-EMS-260	Prep. & Sub. of Power Cable	5d	13-Dec-15	03-May-16
SWJ-EMS-270	Review & Approval of Power Cable	21d	16-Dec-15	17-May-16
SWJ-EMS-280	Prep. & Sub. of Data Cable	5d	03-May-16	08-May-16
SWJ-EMS-290	Review & Approval of Data Cable	21d	09-May-16	07-Jun-16
SWJ-EMS-520	Prep. & Sub. Pressure Indicating Transmitter	9d	07-Dec-15	03-May-16
SWJ-EMS-530	Review & Approval of Pressure Indicating Transmitter	21d	14-Dec-15	23-May-16
SWJ-EMS-680	Prep. & Sub. Computer System Hardware	9d	03-May-16	12-May-16
SWJ-EMS-690	Review & Approval of Computer System Hardware	21d	15-May-16	15-Jun-16
SWJ-EMS-700	Prep. & Sub. Network System	9d	03-May-16	12-May-16
SWJ-EMS-710	Review & Approval of Network System	21d	15-May-16	15-Jun-16
SWJ-EMS-740	Prep. & Sub. Pressure and Level Instrument	9d	02-Feb-16 A	03-May-16
SWJ-EMS-750	Review & Approval of Pressure and Level Instrument	21d	16-Feb-16 A	23-May-16
Procurement				
A1440	Order, Manufacturing and Delivery of Steel Pipes (250mm, 200mm, 150mm, etc.)	120d	03-Jan-16 A	02-May-16
A1450	Order, Manufacturing and Delivery of Booster Pump	170d	28-Apr-16 A	18-Sep-16
Execution				
Zone 01 - (Al Mutilla and Jalqamus)				
Al Mutilla Elevated Reservoir – New Construction 500 m3				
Traffic Control Plan and Safety				
E-MTR-1050	Maintain of Traffic Control Plan and Safety measures for Al Mutilla Elevated Reservoir	259d	20-Dec-15	29-Dec-16
Structural Works				
Third Level				
E-MTR-1600	De-shuttering For intermediate Beams & Stairs 3rd Level	2d	03-May-16	04-May-16
Fourth Level				
E-MTR-1610	Scafolding for Fourth Level	3d	05-May-16	08-May-16
E-MTR-1620	Reinforceing of 4th Level Columns	2d	09-May-16	10-May-16
E-MTR-1630	Formwork for 4th Level Columns	2d	11-May-16	12-May-16
E-MTR-1640	Cast-in-place concrete for 4th Level Columns	1d	14-May-16	14-May-16
E-MTR-1650	De-shuttering of 4th Level Columns	2d	18-May-16	19-May-16



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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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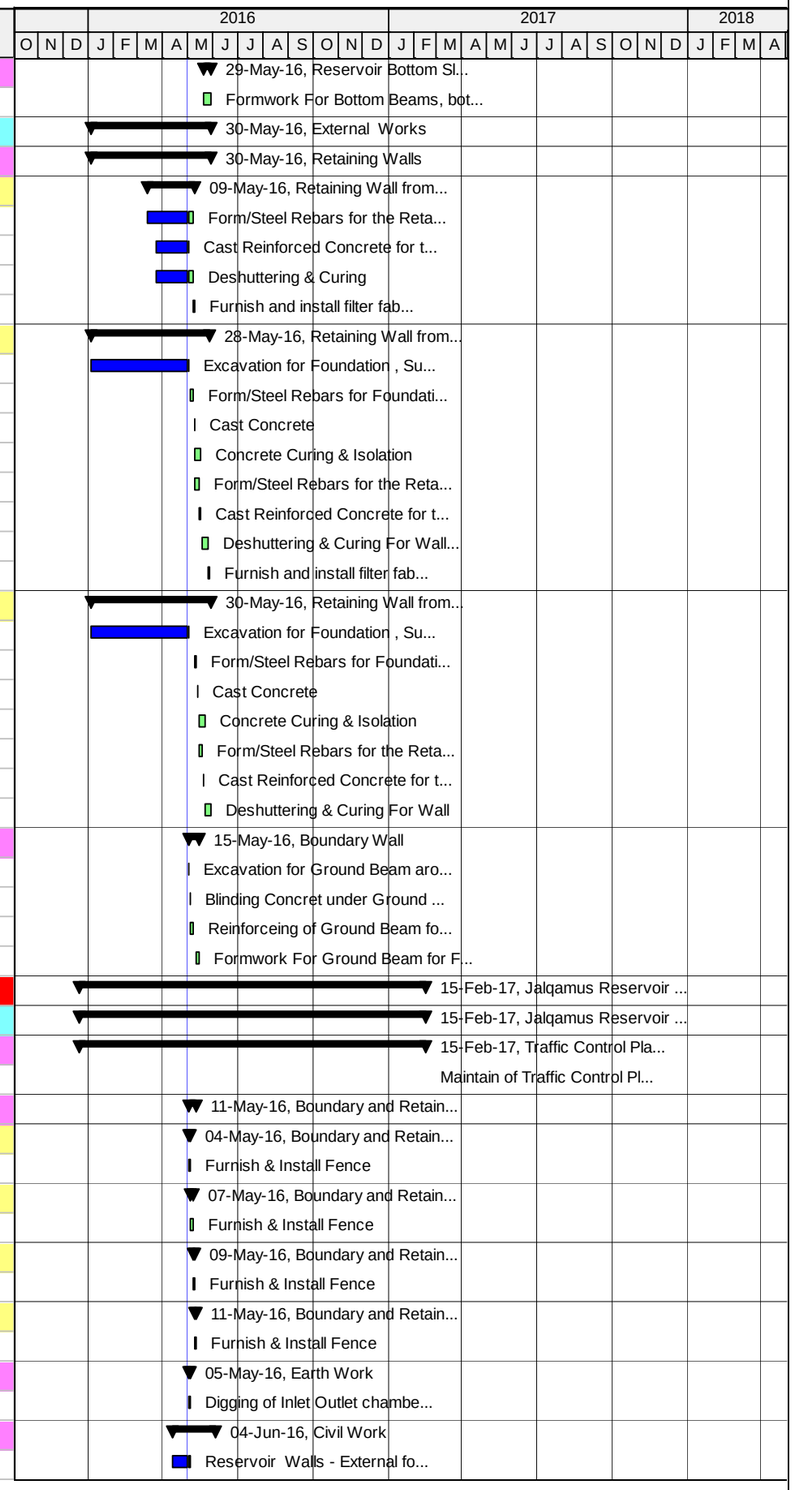
Activity ID	Activity Name	Original Duration	Start	Finish
Reservoir Bottom Slab				
E-MTR-1660	Formwork For Bottom Beams, bottom Slab &Stairs of Reservoir	8d	21-May-16	29-May-16
External Works				
Retaining Walls				
Retaining Wall from Station 01 to station 03 (South)				
E-MTR-5070	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	10d	13-Mar-16 A	08-May-16
E-MTR-5160	Cast Reinforced Concrete for the Retaining Wall	1d	24-Mar-16 A	03-May-16
E-MTR-5180	Deshuttering & Curing	7d	25-Mar-16 A	07-May-16
E-MTR-5210	Furnish and install filter fabric and Base Course 150mm	2d	07-May-16	09-May-16
Retaining Wall from Station 03 to station 05 (North)				
E-MTR-5020	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	2d	05-Jan-16 A	03-May-16
E-MTR-5050	Form/Steel Rebars for Foundation	4d	04-May-16	08-May-16
E-MTR-5080	Cast Concrete	1d	09-May-16	09-May-16
E-MTR-5100	Concrete Curing & Isolation	7d	10-May-16	17-May-16
E-MTR-5110	Form/Steel Rebars for the Retaining Walls with Drain System - Fence Steel Props Installation	5d	10-May-16	15-May-16
E-MTR-5150	Cast Reinforced Concrete for the Retaining Wall	1d	16-May-16	16-May-16
E-MTR-5170	Deshuttering & Curing For Walls	7d	18-May-16	25-May-16
E-MTR-5220	Furnish and install filter fabric and Base Course 150mm	2d	26-May-16	28-May-16
Retaining Wall from Station 06 to station 01 (West)				
E-MTR-5030	Excavation for Foundation , Subgrade layer Compaction & cast lean concrete	2d	05-Jan-16 A	03-May-16
E-MTR-5090	Form/Steel Rebars for Foundation	4d	09-May-16	12-May-16
E-MTR-5120	Cast Concrete	1d	14-May-16	14-May-16
E-MTR-5130	Concrete Curing & Isolation	7d	15-May-16	22-May-16
E-MTR-5140	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	15-May-16	19-May-16
E-MTR-5190	Cast Reinforced Concrete for the Retaining Wall	1d	21-May-16	21-May-16
E-MTR-5200	Deshuttering & Curing For Wall	7d	23-May-16	30-May-16
Boundary Wall				
E-MTR-1220	Excavation for Ground Beam around Yard for Fence	1d	03-May-16	03-May-16
E-MTR-1230	Blinding Concret under Ground Beam for Fence	1d	04-May-16	04-May-16
E-MTR-1260	Reinforceing of Ground Beam for Fence	3d	05-May-16	08-May-16
E-MTR-1320	Formwork For Ground Beam for Fence	3d	12-May-16	15-May-16
Jalqamus Reservoir and Access Road				
Jalqamus Reservoir - Replacement of existing 500 m3 with a new 1000m3 - at Grade				
Traffic Control Plan and Safety				
E-JLR-3040	Maintain of Traffic Control Plan and Safety measures for Jalqamus Reservoir	258d	21-Dec-15	15-Feb-17
Boundary and Retaining Walls				
Boundary and Retaining Wall from Station 01 (05) to station 04 Length = 34.21 lm				
E-JLR-1250	Furnish & Install Fence	2d	03-May-16	04-May-16
Boundary and Retaining Wall from Station 04 to station 03 Length = 23.70 lm				
E-JLR-1320	Furnish & Install Fence	2d	05-May-16	07-May-16
Boundary and Retaining Wall from Station 02 to station 03 Length = 33.35 lm				
E-JLR-1380	Furnish & Install Fence	2d	08-May-16	09-May-16
Boundary and Retaining Wall from Station 01 to station 02 Length = 21.20 lm				
E-JLR-1450	Furnish & Install Fence	2d	10-May-16	11-May-16
Earth Work				
E-JLR-1350	Digging of Inlet Outlet chamber (S-RVV01)	3d	03-May-16	05-May-16
Civil Work				
E-JLR-1560	Reservoir Walls - External formwork	2d	13-Apr-16 A	04-May-16



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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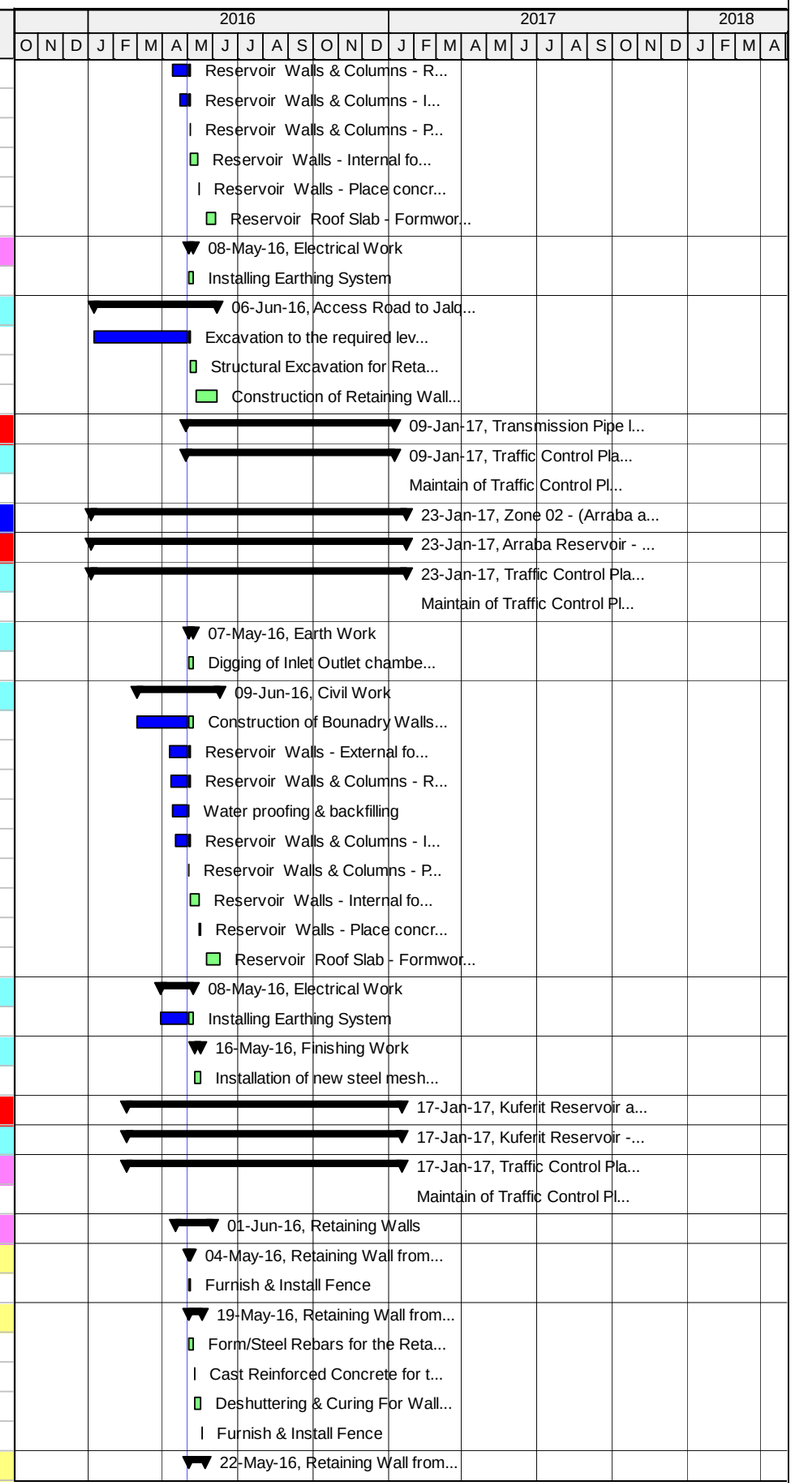
TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

30-Apr-16 11:53

Activity ID	Activity Name	Original Duration	Start	Finish
E-JLR-1570	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	13-Apr-16 A	04-May-16
E-JLR-1590	Reservoir Walls & Columns - Internal formwork - (Stage 1)	8d	23-Apr-16 A	04-May-16
E-JLR-1600	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	05-May-16	05-May-16
E-JLR-1610	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	8d	05-May-16	14-May-16
E-JLR-1620	Reservoir Walls - Place concrete (Stage 2)	1d	15-May-16	15-May-16
E-JLR-1630	Reservoir Roof Slab - Formwork	10d	24-May-16	04-Jun-16
Electrical Work				
E-JLR-1500	Installing Earthing System	5d	03-May-16	08-May-16
Access Road to Jalqamus Reservoir (190 m of two-lane road with shoulder)				
E-JLR-1000	Excavation to the required level for Access Road to Jalqamus Reservoir	4d	09-Jan-16 A	04-May-16
E-JLR-1010	Structural Excavation for Retaining Wall from Station 0+070 to Station 0+165	6d	05-May-16	11-May-16
E-JLR-1020	Construction of Retaining Wall from Station 0+070 to Station 0+165	21d	12-May-16	06-Jun-16
Transmission Pipe lines				
Traffic Control Plan and Safety				
SWJ-TCP-1410	Maintain of Traffic Control Plan and Safety measures for Zone 01	145d	30-Apr-16 A	09-Jan-17
Zone 02 - (Arraba and Kuferit)				
Arraba Reservoir - Replacement of existing 1000 m3 with a new 2,000 m3 At Grade				
Traffic Control Plan and Safety				
E-ARR-1010	Maintain of Traffic Control Plan and Safety measures for Arraba Reservoir	264d	04-Jan-16 A	23-Jan-17
Earth Work				
E-ARR-1070	Digging of Inlet Outlet chamber (S-RVV01)	4d	03-May-16	07-May-16
Civil Work				
E-ARR-1170	Construction of Bounadry Walls - south and west side	21d	01-Mar-16 A	08-May-16
E-ARR-1220	Reservoir Walls - External formwork	8d	10-Apr-16 A	04-May-16
E-ARR-1230	Reservoir Walls & Columns - Reinforcing steel & vertical water stop installation	12d	11-Apr-16 A	04-May-16
E-ARR-1240	Water proofing & backfilling	1d	14-Apr-16 A	03-May-16
E-ARR-1250	Reservoir Walls & Columns - Internal formwork - (Stage 1-Walls 1,3,5 & 7)	9d	16-Apr-16 A	04-May-16
E-ARR-1260	Reservoir Walls & Columns - Place concrete (Stage 1)	1d	03-May-16	03-May-16
E-ARR-1270	Reservoir Walls - Internal formwork - (Stage 2-Walls 2,4,6 & 8)	9d	05-May-16	15-May-16
E-ARR-1280	Reservoir Walls - Place concrete (Stage 2)	1d	16-May-16	16-May-16
E-ARR-1290	Reservoir Roof Slab - Formwork	12d	25-May-16	09-Jun-16
Electrical Work				
E-ARR-1410	Installing Earthing System	5d	29-Mar-16 A	08-May-16
Finishing Work				
E-ARR-1530	Installation of new steel mesh fence and fence around site perimeter on existing wall	7d	09-May-16	16-May-16
Kuferit Reservoir and Access Road				
Kuferit Reservoir - New Construction 500 m3 - At Grade				
Traffic Control Plan and Safety				
E-KFR-2010	Maintain of Traffic Control Plan and Safety measures for Kuferit Reservoir	180d	18-Feb-16 A	17-Jan-17
Retaining Walls				
Retaining Wall from Station 02 to station 03 Length = 27.12 lm				
E-KFR-1890	Furnish & Install Fence	2d	03-May-16	04-May-16
Retaining Wall from Station 03 to station 04 Length = 9.47 lm				
E-KFR-1780	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	03-May-16	08-May-16
E-KFR-1790	Cast Reinforced Concrete for the Retaining Wall	1d	09-May-16	09-May-16
E-KFR-1800	Deshuttering & Curing For Walls	7d	10-May-16	17-May-16
E-KFR-1810	Furnish & Install Fence	2d	18-May-16	19-May-16
Retaining Wall from Station 04 to station 05 Length = 9.24 lm				



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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Activity ID	Activity Name	Original Duration	Start	Finish
E-KFR-1380	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	5d	03-May-16	08-May-16
E-KFR-1390	Cast Reinforced Concrete for the Retaining Wall	1d	09-May-16	09-May-16
E-KFR-1400	Deshuttering & Curing For Wall	7d	10-May-16	17-May-16
E-KFR-1410	Furnish & Install Fence	2d	21-May-16	22-May-16
Retaining Wall from Station 05 to station 06 Length = 2.82 lm				
E-KFR-1540	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	4d	03-May-16	07-May-16
E-KFR-1550	Cast Reinforced Concrete for the Retaining Wall	1d	08-May-16	08-May-16
E-KFR-1560	Deshuttering & Curing For Walls	7d	09-May-16	16-May-16
E-KFR-1570	Furnish & Install Fence	2d	23-May-16	24-May-16
Retaining Wall from Station 06 to station 07 Length = 20.58 lm				
E-KFR-1490	Furnish & Install Fence	2d	25-May-16	26-May-16
Retaining Wall from Station 07 to station 01 Length = 39.12 lm				
E-KFR-1620	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	21d	17-Apr-16 A	03-May-16
E-KFR-1630	Cast Reinforced Concrete for the Retaining Wall	1d	04-May-16	04-May-16
E-KFR-1640	Deshuttering & Curing For Walls	7d	05-May-16	12-May-16
E-KFR-1650	Furnish & Install Fence	5d	28-May-16	01-Jun-16
Civil Work				
E-KFR-2040	Casting Lean Concrete Under reservoir	1d	03-May-16	03-May-16
E-KFR-2050	Concrete Curing	7d	04-May-16	11-May-16
E-KFR-2060	Form/Steel Rebars for Base Slab and Installing Water Stop	7d	04-May-16	11-May-16
E-KFR-2070	Internal Formwork for 1st Group Ring Foundation (Costruction Joints)	3d	12-May-16	15-May-16
E-KFR-2080	Casting Concrete for 1st Group Ring Foundation	1d	16-May-16	16-May-16
E-KFR-2090	Deshuttering/Steel Rebars Cleaning	2d	17-May-16	18-May-16
E-KFR-2100	Concrete Curing	7d	17-May-16	24-May-16
E-KFR-2110	Casting Concrete for 2nd Group Base Slab	1d	19-May-16	19-May-16
E-KFR-2120	Concrete Curing & Isolation for Under Ground Elements	7d	21-May-16	28-May-16
E-KFR-2130	Form/Steel Rebars for External Wall & Middle Column Foundation (1st Face) With Seismec Cans Installation	5d	21-May-16	25-May-16
Mechanical and Electrical Work				
Electrical & Instrumentation Works				
E-KFR-1260	Earthing	1d	12-May-16	12-May-16
Access Road to Kuferit Reservoir (170 m of two-lane road with shoulder)				
E-KFR-1000	Excavation to the required level for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170	7d	03-May-16	10-May-16
E-KFR-1010	Supply and lay 400mm Pre-Cast Concrete Pipe Connection joint precast	5d	11-May-16	16-May-16
E-KFR-1020	Spreading and Compaction of 20cm Base Course for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+1	4d	17-May-16	21-May-16
E-KFR-1030	Asphalt Wearing Course Layer 7cm for Access Road to Kuferit Reservoir from Station 0+000 to Station 0+170 including M	1d	22-May-16	22-May-16
E-KFR-1035	Concrete Ditches	5d	23-May-16	28-May-16
E-YKT-1160	Exc., Bed., Install. and Backfill. 150mm Kuferit Force Line from St. 2+300 to St. 2+463	2d	11-May-16	12-May-16
Zone 03 - (Kafr Rai and Ajja)				
Kafr Rai Reservoir and Access Road				
Kafr Rai Reservoir - New Construction 1,000 m3 At Grade				
Traffic Control Plan and Safety				
E-KRR-1730	Maintain of Traffic Control Plan and Safety measures for Kafr Rai Reservoir	248d	06-Apr-16 A	08-Mar-17
Earth Work				
E-KRR-1710	Demolition, removal, clear and grub site	5d	07-May-16	11-May-16
E-KRR-1810	Site and access Road Grading and Preparation	3d	12-May-16	15-May-16
E-KRR-1820	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	16-May-16	24-May-16
E-KRR-1825	Soil verification report - Geotechnical report	3d	25-May-16	28-May-16
E-KRR-1830	Digging of Inlet Outlet chamber (S-RVV01)	4d	25-May-16	29-May-16

Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

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TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project

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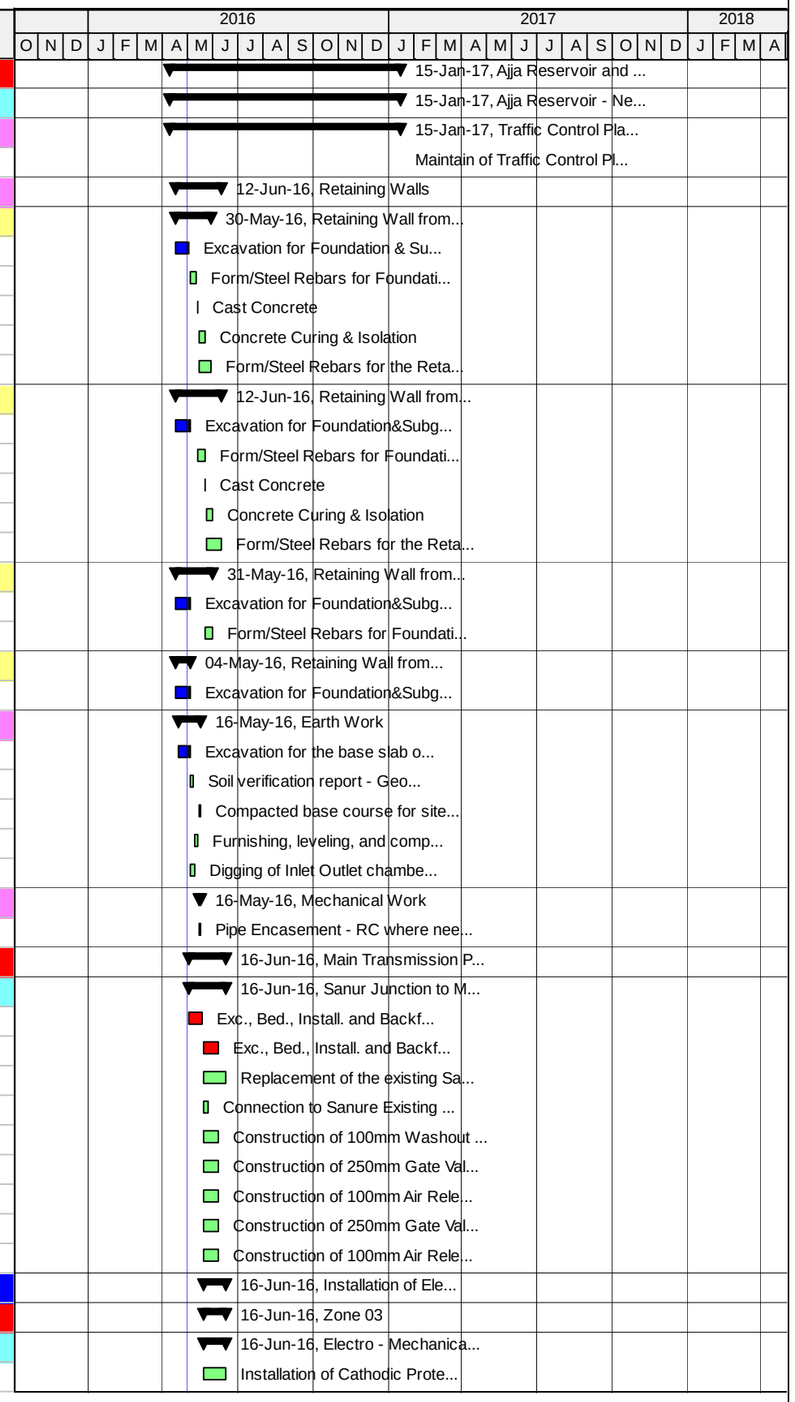
Activity ID	Activity Name	Original Duration	Start	Finish
Ajja Reservoir and Access Road				
Ajja Reservoir - New Construction 1000 m3 At Grade				
Traffic Control Plan and Safety				
E-AJR-1680	Maintain of Traffic Control Plan and Safety measures for Ajja Reservoir	215d	10-Apr-16 A	15-Jan-17
Retaining Walls				
Retaining Wall from Station 01 to station 07 Length = 38.79 lm				
E-AJR-1700	Excavation for Foundation & Subgrade layer Compaction	4d	16-Apr-16 A	03-May-16
E-AJR-1710	Form/Steel Rebars for Foundation	8d	04-May-16	12-May-16
E-AJR-1720	Cast Concrete	1d	14-May-16	14-May-16
E-AJR-1730	Concrete Curing & Isolation	7d	15-May-16	22-May-16
E-AJR-1740	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	15-May-16	30-May-16
Retaining Wall from Station 07 to station 05 Length = 30.81 lm				
E-AJR-1780	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16
E-AJR-1790	Form/Steel Rebars for Foundation	8d	14-May-16	22-May-16
E-AJR-1800	Cast Concrete	1d	23-May-16	23-May-16
E-AJR-1810	Concrete Curing & Isolation	7d	24-May-16	31-May-16
E-AJR-1820	Form/Steel Rebars for the Retaning Walls with Drain System - Fence Steel Props Installation	14d	24-May-16	12-Jun-16
Retaining Wall from Station 05 to station 03 Length = 50.07 lm				
E-AJR-1860	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16
E-AJR-1870	Form/Steel Rebars for Foundation	8d	23-May-16	31-May-16
Retaining Wall from Station 03 to station 01 Length = 37.49 lm				
E-AJR-1960	Excavation for Foundation&Subgrade layer Compaction	4d	16-Apr-16 A	04-May-16
Earth Work				
E-AJR-1430	Excavation for the base slab of the Reservoir & Inlet Outlet Chamber	8d	21-Apr-16 A	04-May-16
E-AJR-1435	Soil verification report - Geotechnical report	3d	05-May-16	08-May-16
E-AJR-1440	Compacted base course for site grading, 200 mm layer	2d	15-May-16	16-May-16
E-AJR-1460	Furnishing, leveling, and compacting of subgrade layer and Excavation for piping system (Perforated, Outlet & Washout)	4d	10-May-16	14-May-16
E-AJR-1550	Digging of Inlet Outlet chamber (S-RVV01)	4d	05-May-16	09-May-16
Mechanical Work				
E-AJR-1400	Pipe Encasement - RC where needed	2d	15-May-16	16-May-16
Main Transmission Pipe lines				
Sanur Junction to Maythaloun Well Main Transmission Pipeline (250mm x 3.7 km)				
E-SMT-1000	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 0+000 to St.1+200	15d	03-May-16	19-May-16
E-SMT-1010	Exc., Bed., Install. and Backfill. 250mm Sanur - Maythaloun Transmission Pipeline from St. 1+200 to St.2+400	15d	21-May-16	08-Jun-16
E-SMT-1035	Replacement of the existing Sanur Connection Chamber (CHD-103)	20d	21-May-16	16-Jun-16
E-SMT-1045	Connection to Sanure Existing Pipe	5d	21-May-16	25-May-16
E-SMT-1055	Construction of 100mm Washout Chamber at station 0+010 0on 250mm pipe	15d	21-May-16	08-Jun-16
E-SMT-1065	Construction of 250mm Gate Valve Chamber at Station 0+500	15d	21-May-16	08-Jun-16
E-SMT-1075	Construction of 100mm Air Release Valve Chamber at station 0+770 on 250mm pipe	15d	21-May-16	08-Jun-16
E-SMT-1085	Construction of 250mm Gate Valve Chamber at Station 1+000	15d	21-May-16	08-Jun-16
E-SMT-1095	Construction of 100mm Air Release Valve Chamber at station 1+190 on 250mm pipe	15d	21-May-16	08-Jun-16
Installation of Electro - Mechanical Component				
Zone 03				
Electro - Mechanical work - Zone 03				
SWJ-2100	Installation of Cathodic Protection system - Anode and Test Station for Zone 03	20d	21-May-16	16-Jun-16



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: 4W.

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Annex E - Progress S - Curve

UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT - WEST BANK / GAZA

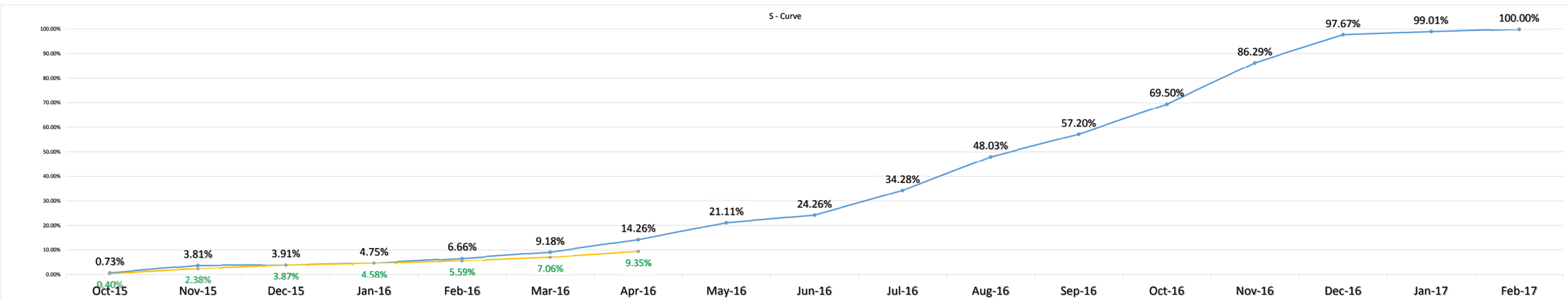
CONTRACT NO. AID-294-I-12-00002

TASK ORDER NO. AID-294-TO-15-00010

Southwest Jenin Water Project

S-Curve

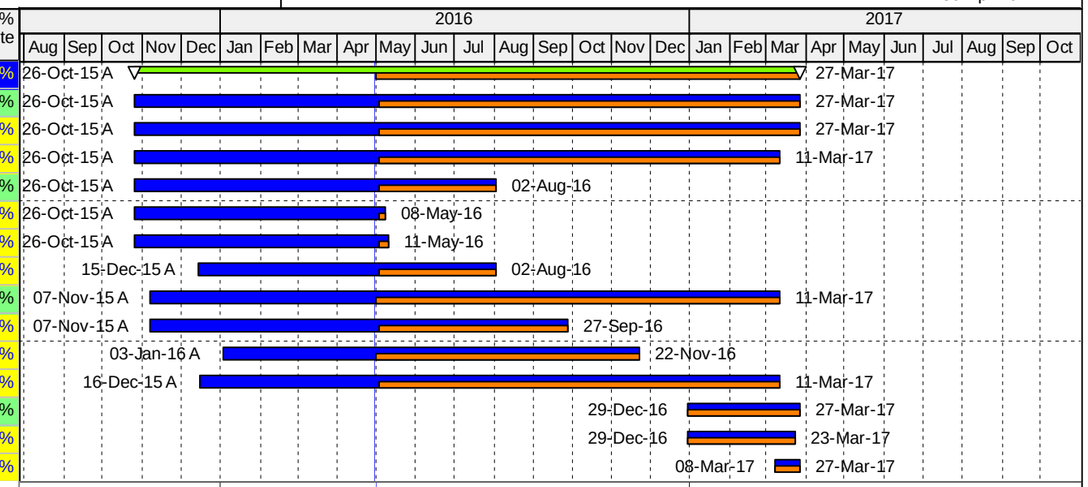
Date	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Planned Value	$ 91,204.64	$ 383,059.49	$ 13,053.88	$ 104,197.07	$ 237,290.85	$ 314,111.95	$ 632,604.06	$ 852,710.13	$ 391,902.22	$ 1,247,517.85	$ 1,712,294.37	$ 1,141,299.53	$ 1,531,332.70	$ 2,090,565.86	$ 1,416,350.96	$ 166,151.77	$ 123,786.04
Planned Value (Accumulative)	$ 91,204.64	$ 474,264.13	$ 487,318.01	$ 591,515.08	$ 828,805.93	$ 1,142,917.88	$ 1,775,521.94	$ 2,628,232.07	$ 3,020,134.29	$ 4,267,652.14	$ 5,979,946.51	$ 7,121,246.04	$ 8,652,578.74	$ 10,743,144.60	$ 12,159,495.56	$ 12,325,647.33	$ 12,449,433.37
Planned %	0.73%	3.08%	0.10%	0.84%	1.91%	2.52%	5.08%	6.85%	3.15%	10.02%	13.75%	9.17%	12.30%	16.79%	11.38%	1.33%	0.99%
Planned % (Accumulative)	0.73%	3.81%	3.91%	4.75%	6.66%	9.18%	14.26%	21.11%	24.26%	34.28%	48.03%	57.20%	69.50%	86.29%	97.67%	99.01%	100.00%
Actual Value	$ 49,402.51	$ 247,012.57	$ 185,499.86	$ 87,932.02	$ 126,393.48	$ 182,622.99	$ 284,990.43										
Actual Value (Accumulative)	$ 49,402.51	$ 296,415.08	$ 481,914.94	$ 569,846.96	$ 696,240.44	$ 878,863.43	$ 1,163,853.86										
Actual% Complete	0.40%	1.98%	1.49%	0.71%	1.02%	1.47%	2.29%										
Actual % Complete (Accumulative)	0.40%	2.38%	3.87%	4.58%	5.59%	7.06%	9.35%										

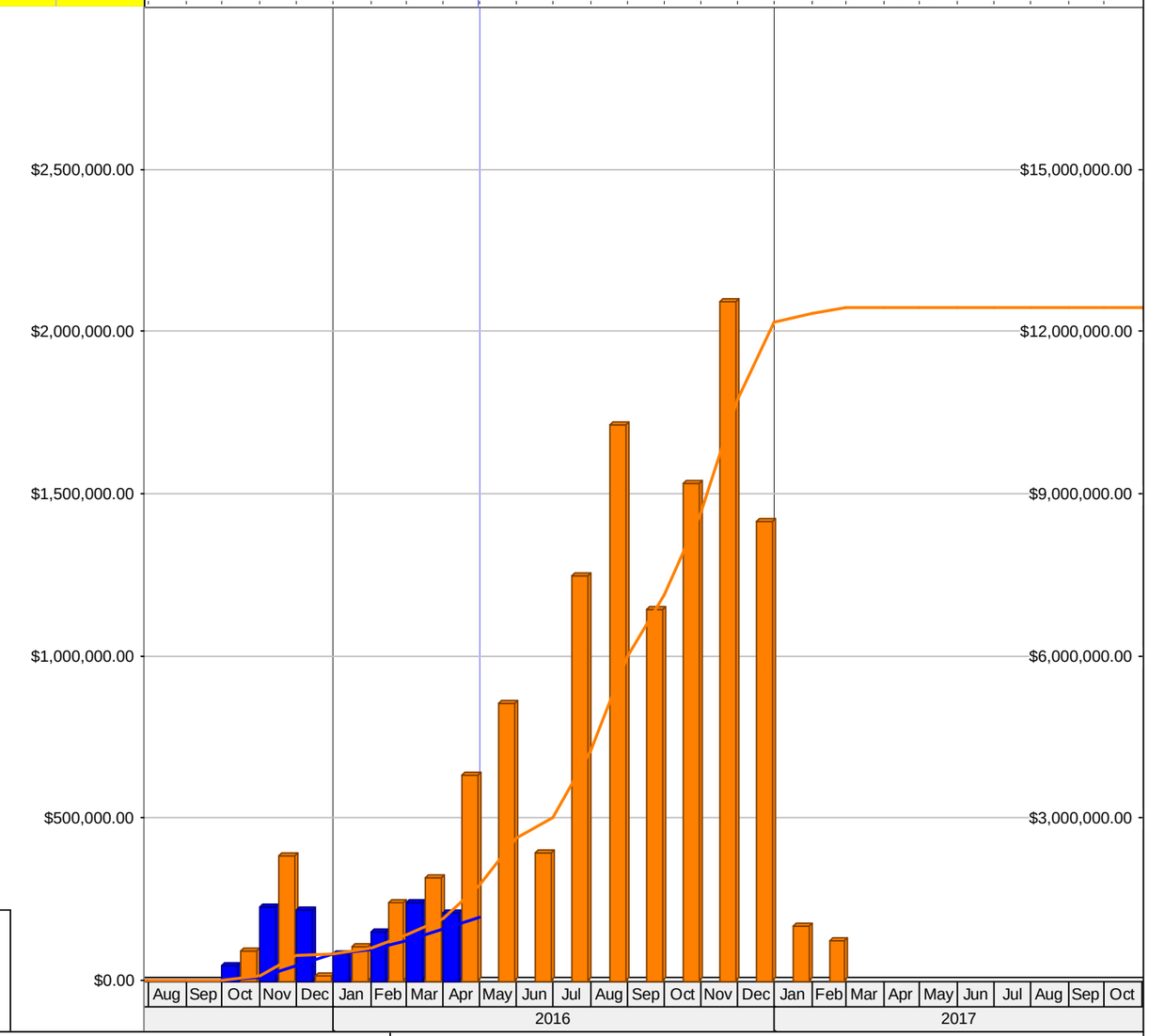


	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Planned	0.73%	3.81%	3.91%	4.75%	6.66%	9.18%	14.26%	21.11%	24.26%	34.28%	48.03%	57.20%	69.50%	86.29%	97.67%	99.01%	100.00%
Series3	0.40%	2.38%	3.87%	4.58%	5.59%	7.06%	9.35%										

TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Water Project | Tracking | 30-Apr-16 11:42

WBS Name	Start	Finish	Schedule % Complete	Cost % Complete
TO 15-10 SWJ - Updated Original Baseline Schedule - Southwest Jenin Wa	26-Oct-1	27-Mar-17	14.26%	9.35%
Milestones	26-Oct-1	27-Mar-17	0%	0%
General Milestones	26-Oct-1	27-Mar-17	0%	0%
Intermediate Milestones	26-Oct-1	11-Mar-17	0%	0%
Preconstruction Phase	26-Oct-1	02-Aug-16	100%	100%
Mobilization	26-Oct-1	08-May-16	100%	100%
Preconstruction Submittals	26-Oct-1	11-May-16	0%	0%
Traffic Control Plan Submittals	15-Dec-1	02-Aug-16	0%	0%
Construction Phase	07-Nov-:	11-Mar-17	10.97%	5.82%
Construction Submittals	07-Nov-:	27-Sep-16	0%	0%
Procurement	03-Jan-1	22-Nov-16	0%	0%
Execution	16-Dec-1	11-Mar-17	10.97%	5.82%
Post Construction Phase	29-Dec-16	27-Mar-17	0%	0%
Post construction Submittals	29-Dec-16	23-Mar-17	0%	0%
Demobilization	08-Mar-17	27-Mar-17	0%	0%





Actual Total Cost
Planned Value Cost
BL Project Total Cost

All EPS Elements | WBS Elements below Project | Forecast Bar
All Projects | Summary

Page 1 of 1

Resource:

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Annex F - Site Memos Log

USAID FROM THE AMERICAN PEOPLE | WEST BANK/GAZA

Site Memos to the Engineer

No.	SM No.	Description	Submitted Date
1	SM-15-00010-SWJ-C-E-0001	JLR-Reservoir Foundation Excavation and Unaccepted Material Dumping.	January 14, 2016
2	SM-15-00010-SWJ-C-E-0002	Access Road for Jalqamus Reservoir-Changing in width and Centerline	January 21, 2016
3	SM-15-00010-JLR-E-C-0003	Response to SM-15-00010-SWJ-C-E-002	February 9, 2016

Site Memos To Contractor

No.	SM No.	Description	Submitted Date
1.	SM-15-00010-SWJ-E-C-0001	JLR-Reservoir Foundation Excavation and Unaccepted Material Dumping.	January 13, 2016
2.	SM-15-00010-SWJ-E-C-0002	Lean Concrete under Al Mutilla Reservoir Foundation	January 21, 2016
3.	SM-15-00010-JLR-E-C-0003	Response to SM-15-00010-SWJ-C-E-002	February 9, 2016
4.	SM-15-00010-SWJ-E-C-0004	Safety Violations	March 8, 2016
5.	SM-15-00010-SWJ-E-C-005	Response to SM-15-00010-SWJ-C-E-003	March 16, 2016
6.	SM-15-00010-MTR-E-C-006	Concrete finish and formwork at Al-Mutilla Reservoir	March 16, 2016

Annex G - Inspection Request Log

Inspection Requests Log:

S. No.	Description	Submitting Date	Date Inspection Required	Actual Return Date	Status
IR-15-00010-SWJ-001-A	Installation of Temporary Project Signs	December 13, 2015	December 14, 2015	December 15, 2015	A
IR-15-00010-SWJ-002-A	Handover of CMC Field Offices	December 13, 2015	December 15, 2015	December 15, 2015	C
IR-15-00010-SWJ-002-B	Handover of CMC Field Offices	December 27, 2015	December 27, 2015	December 27, 2015	A
IR-15-00010-JLR-003-A	Verify the elevations for Jaqamus Reservoir.	December 15, 2015	December 16, 2015	December 16, 2015	C
IR-15-00010-JLR-003-B	Verify the elevations for Jaqamus Reservoir..Refer to attached	December 22, 2015	December 23, 2015	December 23, 2015	A
IR-15-00010-MTR-004-A	Verify the elevations for Al Mutilla Reservoir.	December 15, 2015	December 16, 2015	December 16, 2015	A
IR-15-00010-MTR-005-A	Demolishing the exciting room and site perpetration ,removal of surplus existing material for Al Mutilla Reservoir.	December 21, 2015	December 21, 2015	December 22, 2015	C
IR-15-00010-MTR-005-B	Demolition ,removal, clear and grub site of existing room for Al Mutilla Reservoir.	March 7, 2016	March 7, 2016	March 7, 2016	A
IR-15-00010-ARR-006-A	Relocation of olives tree from Arraba reservoir area. Refer to attached drawings.	December 27, 2015	December 28, 2015	December 28, 2015	A
IR-15-00010-SWJ-007-A	Installation and fabrication of storage yard and workshop	December 23, 2015	December 23, 2015	December 23, 2015	A
IR-15-00010-ARR-008-A	Verify the elevations for Arraba Reservoir. Refer to attached	January 3, 2016	January 4, 2016	January 5, 2016	A
IR-15-00010-ARR-009-A	Geotechnical verification under reservoir footing for Al Mutilla Reservoir.	January 4, 2016	January 4, 2016	January 5, 2016	A
IR-15-00010-JLR-010-A	Demolition ,removal, clear and grub site of existing reservoir and Implementing safety traffic plan for Jalqamus Reservoir.	January 4, 2016	January 5, 2016	January 6, 2016	A
IR-15-00010-MTR-011-A	Excavation level at Al Mutilla Reservoir	January 7, 2016	January 7, 2016	January 7, 2016	C
IR-15-00010-ARR-012-A	Implementing safety traffic plan for Arraba Reservoir.	January 9, 2016	January 9, 2016	January 10, 2016	A
IR-15-00010-ARR-013-A	Demolition ,removal, clear and grub site of existing Arraba Reservoir.	January 10, 2016	January 10, 2016	January 11, 2016	A
IR-15-00010-ARR-014-A	Relocation of existing pipelines for Arraba Reservoir prior to start demolition of existing reservoir as coordination with local authorities and attached drawing.	January 11, 2016	January 12, 2016	January 11, 2016	D
IR-15-00010-KFR-015-A	Verify the elevations for Kuferit Reservoir (Grid). Refer to attached	January 11, 2016	January 11, 2016	January 11, 2016	C

	IR-15-00010-KFR-015-B	Verify the elevations for Kuferit Reservoir (Grid). Refer to attached	January 13, 2016	January 13, 2016	January 13, 2016	A
	IR-15-00010-KFR-016-A	Bench April k For Kuferit Reservoir.Refer to attached	January 13, 2016	January 13, 2016	January 13, 2016	A
	IR-15-00010-JLR-017-A	Excavation around Jalqamus Reservoir to required level .Refer to attached	January 13, 2016	January 13, 2016	January 14, 2016	A
	IR-15-00010-TJT-018-A	Walkthrough for Telfit - Jalqamus Transmission pipeline.	January 14, 2016	January 17, 2016	January 18, 2016	A
	IR-15-00010-MTR-019-A	Lean concrete for test pit location in water reservoir foundation.	January 17, 2016	January 17, 2016	January 18, 2016	A
	IR-15-00010-MTB-020-A	Verify the elevations for Al Mutilla Booster station (Grid)	January 20, 2016	January 21, 2016	January 21, 2016	A
	IR-15-00010-MTR-021-A	Installation of vapor barrier and casting lean concrete under reservoir footing at Al Mutilla Reservoir.	January 26, 2016	January 26, 2016	January 27, 2016	A
	IR-15-00010-KRR-022-A	Verify the elevations for Kafer Ra'i Reservoir (Grid)	January 31, 2016	January 31, 2016	February 1, 2016	A
	IR-15-00010-AJR-023-A	Verify the elevations for Ajja Reservoir (Grid)	January 31, 2016	January 31, 2016	February 1, 2016	A
	IR-15-00010-SWJ -024-A	Correction of monthly environmental check list of December, 2015	February 3, 2016	February 9, 2016	February 10, 2016	A
	IR-15-00010-MTR -025-A	Formwork, steel reinforcement, casting concrete (type A1) for reservoir foundation at al Mutilla reservoir.	February 8, 2016	February 9, 2016	February 10, 2016	A
	IR-15-00010-MTR -026-A	Sleeve 6 "for drain at Al Mutilla reservoir foundation.	February 8, 2016	February 9, 2016	February 10, 2016	A
	IR-15-00010-MTR -027-A	Electrical work for foundation before casting concrete for foundation at Al Mutilla reservoir.	February 8, 2016	February 9, 2016	February 10, 2016	A
	IR-15-00010-JlR -028-A	Reduced level for foundation excavation at Jalqamus reservoir.	February 9, 2016	February 9, 2016	February 10, 2016	A
	IR-15-00010-JLR -029-A	Formwork work for lean concrete under wall Jalqamus reservoir.	February 10, 2016	February 11, 2016	February 14, 2016	A
	IR-15-00010-JLR -030-A	Casting lean concrete and reservoir wall footing in Jalqamus.	February 11, 2016	February 13, 2016	February 14, 2016	A
	IR-15-00010-MTR -031-A	Casting lean concrete for Al Mutilla retaining wall	February 11, 2016	February 13, 2016	February 14, 2016	C
	IR-15-00010-MTR -031-B	Casting lean concrete for Al Mutilla retaining wall	February 14, 2016	February 14, 2016	February 15, 2016	A
	IR-15-00010-ARR -032-A	Inspection of reduced level and compacted subgrade at level =409.00	February 15, 2016	February 15, 2016	February 15, 2016	C
	IR-15-00010-ARR -032-B	Inspection of reduced level and compacted subgrade at level =409.01	February 21, 2016	February 21, 2016	February 22, 2016	A
	IR-15-00010-MTR -033-A	Inspection of apply first bitumen coat layer for Al Mutilla Reservoir footing.	February 16, 2016	February 16, 2016	February 16, 2016	A
	IR-15-00010-SWJ -034-A	Inspection of fabrication of washout pipes for Arraba and Jalqamus reservoirs size 6" pipes at storage yard in Jenin city	February 16, 2016	February 16, 2016	February 17, 2016	A
	IR-15-00010-JLT -035-A	Walkthrough for Jalqamus Transmission pipeline. (Jalqamus-Umtut Transmission pipeline)	February 17, 2016	February 18, 2016	February 18, 2016	A
	IR-15-00010-JLR -036-A	Inspection of casting lean concrete at Jalqamus Retaining Wall from 3 to 4	February 17, 2016	February 17, 2016	February 18, 2016	A

	IR-15-00010-MTR -037-A	Inspection of apply Second bitumen coat layer for Al Mutilla Reservoir footing.	February 17, 2016	February 17, 2016	February 18, 2016	A
	IR-15-00010-MTR -038-A	Formwork & steel reinforcement for retaining wall foundation at al Mutilla reservoir from point 01 to point 03	February 18, 2016	February 18, 2016	February 18, 2016	A
	IR-15-00010-MTR -039-A	Casting concrete for retaining wall foundation at al Mutilla reservoir from Point 01 to Point 03	February 18, 2016	February 20, 2016	February 21, 2016	A
	IR-15-00010-MTR -040-A	Inspection of electrical works first fix in Al Muttila Reservoir.	February 21, 2016	February 21, 2016	February 22, 2016	A
	IR-15-00010-ARR -041-A	Inspection of casting lean concrete under wall footing at Arraba Reservoir	February 21, 2016	February 21, 2016	February 22, 2016	A
	IR-15-00010-JLR -042-A	Installation 6" wash out steel pipe line including concrete encasement at Jalqamus reservoir	February 21, 2016	February 21, 2016	February 22, 2016	A
	IR-15-00010-MTR -043-A	Inspection for underdrain piping for Al Mutilla valve chamber at Al Mutilla Reservoir.	February 21, 2016	February 21, 2016	February 22, 2016	C
	IR-15-00010-MTR -043-B	Inspecting for subgrade piping include drain piping and electrical conduit at Al -Mutilla reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-SWJ -044-A	Inspecting for welding joint for preparing the welding procedure qualification record at storage yard	February 21, 2016	February 22, 2016	February 22, 2016	C
	IR-15-00010-KFR -045-A	Implementing safety traffic plan, excavation, removal ,clear & grub site for Kuferit Reservoir.	February 21, 2016	February 21, 2016	February 22, 2016	C
	IR-15-00010-KFR -045-B	Implementing safety traffic plan, excavation, removal ,clear & grub site for Kuferit Reservoir.	February 24, 2016	February 24, 2016	February 25, 2016	A
	IR-15-00010-ARR -046-A	Installation 6" wash out steel pipe line including concrete encasement at Arraba reservoir	February 23, 2016	February 23, 2016	February 23, 2016	A
	IR-15-00010-JLR -047-A	Inspection for steel and form work of foundation for RCW 2.2 at Jalqamus between section 3 & 4 as shown in attached.	February 24, 2016	February 24, 2016	February 25, 2016	A
	IR-15-00010-JLR -048-A	Inspection for lean concrete of retaining wall at Jalqamus Reservoir	February 24, 2016	February 24, 2016	February 25, 2016	A
	IR-15-00010-MTR -049-A	Inspection for slab on grade reinforcement steel for casting concrete at Al Mutilla Reservoir	February 25, 2016	February 27, 2016	February 28, 2016	A
	IR-15-00010-ARR -050-A	Inspection for concrete encasement around of wash out pipes at Arraba Reservoir	February 25, 2016	February 25, 2016	February 28, 2016	A
	IR-15-00010-MTR -051-A	Inspection for first level columns (formwork and reinforcement steel for casting concrete at Al Mutilla Reservoir.	February 25, 2016	February 27, 2016	February 28, 2016	A
	IR-15-00010-JLR -052-A	Inspection for reinforcement steel of retaining wall between section 3 & 4 for concrete casting in Jalqamus Reservoir.	February 25, 2016	February 27, 2016	February 28, 2016	A
	IR-15-00010-	Inspection of 1st backfill layer in	February 27,	February 27,	February 28,	A

	ARR -053-A	Arraba Reservoir	2016	2016	2016	
	IR-15-00010-JLR -054-A	Inspection of 1st backfill layer in Jalqamus Reservoir	February 27, 2016	February 27, 2016	February 28, 2016	A
	IR-15-00010-JLR -055-A	Inspection for reinforcement steel of retaining wall foundation between section 4 & 5 for concrete casting in Jalqamus Reservoir.	February 28, 2016	February 28, 2016	February 29, 2016	A
	IR-15-00010-ARR-056-A	Inspection of boundary wall section 8-10-End excavation for applying lean concrete at Arraba Reservoir.	February 25, 2016	February 28, 2016	February 29, 2016	A
	IR-15-00010-ARR-057-A	Inspection of 1st layer of Bitumen coating for the lean concrete and concrete encasement of the W.O.	February 28, 2016	February 28, 2016	February 29, 2016	C
	IR-15-00010-ARR-058-A	Inspection of boundary wall section 10 to existing wall - excavation for applying lean concrete at Arraba Reservoir	February 28, 2016	February 28, 2016	March 1, 2016	A
	IR-15-00010-JMT-059-A	Walkthrough for Jalqamus -Al-Mughayyir force line.	February 29, 2016	March 1, 2016	March 2, 2016	A
	IR-15-00010-JLR-060-A	Inspection of reinforcement steel for stem of RW 2.2 between sections 3 & 4 at Jalqamus Reservoir.	March 1, 2016	March 1, 2016	March 1, 2016	A
	IR-15-00010-JLR-061-A	Inspection of lean concrete between sections 1 & 3 for RW 2.2 at Jalqamus Reservoir.	March 2, 2016	March 2, 2016	March 2, 2016	A
	IR-15-00010-JLR-062-A	Inspection of lean concrete between sections 4 & 5 for BW at Jalqamus Reservoir.	March 2, 2016	March 2, 2016	March 2, 2016	A
	IR-15-00010-SWJ -063-A	Correction of monthly environmental check list of Jan, 2016	March 2, 2016	March 2, 2016	March 3, 2016	A
	IR-15-00010-ARR -064-A	Inspection of casting lean concrete for boundary wall section 8-10 & section 10 - existing wall at Arraba Reservoir	March 2, 2016	March 2, 2016	March 2, 2016	A
	IR-15-00010-JLR -065-A	Inspection of finish backfill level in Jalqamus Reservoir	March 3, 2016	March 3, 2016	March 3, 2016	A
	IR-15-00010-MTR -066-A	Inspection for first level stairs formwork and reinforcement steel for casting concrete at Al Mutilla Reservoir.	March 3, 2016	March 5, 2016	March 6, 2016	A
	IR-15-00010-MTR -067-A	Inspection for casting concrete first level stairs, at Al Mutilla Reservoir	March 3, 2016	March 5, 2016	March 6, 2016	A
	IR-15-00010-ARR -068-A	Inspection of field density test for 3rd layer under slab on grade in Arraba Reservoir	March 3, 2016	March 5, 2016	March 6, 2016	A
	IR-15-00010-MTR -069-A	Inspection of casting concrete for retaining wall from section 4-5 at Jalqamus Reservoir.	March 3, 2016	March 5, 2016	March 6, 2016	A
	IR-15-00010-ARR -070-A	Inspection of casting concrete foundation for boundary wall section 8-10 & section 10 - existing wall at Arraba Reservoir	March 5, 2016	March 6, 2016	March 7, 2016	A
	IR-15-00010-YKT-071-A	Walkthrough for Kuferit Force Line.	March 5, 2016	March 6, 2016	March 7, 2016	A

	IR-15-00010-AJR-072-A	Walkthrough for Ajja Force Line.	March 5, 2016	March 6, 2016	March 7, 2016	A
	IR-15-00010-AJR-073-A	Walkthrough for Ajja Feeder Line.	March 5, 2016	March 6, 2016	March 7, 2016	A
	IR-15-00010-MTN-074-A	Walkthrough for Al-Mutilla -Al-Mughayyir force line	March 5, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-CHR-075-A	Joint walkthrough on chamber location from 1 to 11 .	March 6, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-JLR-076-A	Inspection for formwork & steel work of retaining wall foundation between section 1 & 3 at Jalqamus Reservoir.	March 7, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-JLR-077-A	Inspection for casting concrete for retaining wall foundation between section 1 & 3 at Jalqamus Reservoir.	March 7, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-ARR-078-A	Inspection of backfill 4th layer at Arraba Reservoir.	March 8, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-ARR-079-A	Inspection of base course layer under slab on grade at Arraba Reservoir.	March 8, 2016	March 8, 2016	March 8, 2016	C
	IR-15-00010-ARR-079-B	Inspection of base course layer under slab on grade at Arraba Reservoir.	March 15, 2016	March 16, 2016	March 16, 2016	C
	IR-15-00010-ARR-079-C	Inspection of base course layer under slab on grade at Arraba Reservoir.	March 17, 2016	March 19, 2016	March 19, 2016	A
	IR-15-00010-MTR-080-A	Inspection of steel work for beam at level 1 at Al-Mutilla Reservoir.	March 8, 2016	March 8, 2016	March 9, 2016	A
	IR-15-00010-JLR-081-A	Inspection of base course Layer at Jalqamus Reservoir.	March 9, 2016	March 9, 2016	March 10, 2016	A
	IR-15-00010-MTR-082-A	Inspection of formwork and steels for beams at Level 1 at Al-Mutilla Reservoir.	March 9, 2016	March 9, 2016	March 10, 2016	A
	IR-15-00010-SMT-083-A	Material Handling inspection for pipe wall sleeve with puddle flange for Sanour Meithalon Transmission Line chambers with Sizes at Beit Qad storage yard(MRR001): 14" = 6 pic 10" = 2 pic 6" = 14 pic	March 10, 2016	March 10, 2016	March 10, 2016	A
	IR-15-00010-JLR-084-A	Inspection of steel work of stem retaining wall between sections 3 & 4 at Jalqamus Reservoir.	March 10, 2016	March 12, 2016	March 13, 2016	A
	IR-15-00010-JLR-085-A	Inspection of steel work of stem retaining wall between sections 4 & 5 at Jalqamus Reservoir.	March 10, 2016	March 12, 2016	March 13, 2016	A
	IR-15-00010-KFR-086-A	Inspection of reduced level of boundary & retaining wall between sections 2 & 7 at Kuferit Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-JLR-087-A	Inspection of form work for retaining wall stem between sections 3 & 4 at Jalqamus Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-JLR-088-A	Inspection of form work for retaining wall stem between sections 4 & 5 at Jalqamus Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-JLR-089-A	Inspection of casting concrete for retaining wall stem between sections 3 & 4 at Jalqamus Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A

	IR-15-00010-JLR-090-A	Inspection of casting concrete for retaining wall stem between sections 4 & 5 at Jalqamus Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-JLR-091-A	Inspection of steel and formwork for retaining wall foundation between sections 4 & 5 at Jalqamus Reservoir	March 13, 2016	March 13, 2016	March 14, 2016	C
	IR-15-00010-JLR-091-B	Inspection of steel and formwork for boundary wall foundation between sections 4 & 5 at Jalqamus Reservoir	March 14, 2016	March 4, 2016	March 15, 2016	A
	IR-15-00010-JLR-092-A	Inspection of casting lean concrete under retaining wall foundation between sections 2 &3 at Jalqamus Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-ARR-093-A	Inspection of casting concrete for boundary wall stem between sections 9-10-End and footing between sections 8-9 at Arraba Reservoir.	March 13, 2016	March 13, 2016	March 14, 2016	A
	IR-15-00010-ARR-094-A	Inspection of perforated pipes under slab on grade at Arraba Reservoir.	March 14, 2016	March 14, 2016	March 15, 2016	A
	IR-15-00010-ARR-095-A	Inspection of casting lean concrete under slab on grade at Arraba Reservoir.	March 14, 2016	March 16, 2016	March 16, 2016	C
	IR-15-00010-ARR-095-B	Inspection of casting lean concrete under slab on grade at Arraba Reservoir.	March 17, 2016	March 19, 2016	March 20, 2016	A
	IR-15-00010-KFR-096-A	Inspection of casting lean concrete under boundary & retaining wall between sections 2 to 7 and from 7 to 1 at Kuferit Reservoir.	March 14, 2016	March 15, 2016	March 16, 2016	C
	IR-15-00010-KFR-096-B	Inspection of casting lean concrete under boundary & retaining wall between sections 2 to 7 and from 7 to 1 at Kuferit Reservoir.	March 17, 2016	March 19, 2016	March 20, 2016	A
	IR-15-00010-JLR-097-A	Inspection of perforated pipes under slab on grade at Jalqamus Reservoir.	March 16, 2016	March 16, 2016	March 17, 2016	A
	IR-15-00010-JLR-098-A	Inspection of steel and formwork for boundary wall foundation between sections 2 & 3 at Jalqamus Reservoir.	March 17, 2016	March 19, 2016	March 19, 2016	A
	IR-15-00010-ARR-099-A	Inspection of steel and formwork for boundary wall stem between sections 9 &10 to section 8 at Arraba Reservoir.	March 17, 2016	March 19, 2016	March 20, 2016	A
	IR-15-00010-ARR-100-A	Inspection of casting concrete for boundary wall stem between sections 9 &10 to section 8 at Arraba Reservoir.	March 17, 2016	March 19, 2016	March 20, 2016	A
	~~IR-15-00010-JLR-101-A~~	~~Inspection of casting concrete for boundary wall foundation between sections 2 & 3 at Jalqamus Reservoir.~~	~~March 17, 2016~~	~~March 19, 2016~~	Retracted	
	IR-15-00010-JLR-101-A	Inspection of casting concrete for boundary wall foundation between sections 2 & 3 at Jalqamus Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	A
	IR-15-00010-SWJ-102-A	Inspection of steel reinforcement prior to cast concrete for (1.5 X 1.5)m precast manhole at Addasi factory (Ramalla).	March 19, 2016	March 20, 2016	March 21, 2016	A

	IR-15-00010-ARR-103-A	Inspection of 1st Layer of water proofing for boundary wall footing between existing wall and section 10 at Arraba Reservoir.	March 19, 2016	March 19, 2016	March 20, 2016	C
	IR-15-00010-ARR-103-B	Inspection of 1st Layer and 2 nd Layer of Bituminous coat for boundary wall footing between sections 8-10 to 10-Existing point inside and outside at Arraba Reservoir.	March 30, 2016	March 30, 2016	March 31, 2016	A
	IR-15-00010-ARR-104-A	Inspection of installation vapor prior at Arraba Reservoir.	March 19, 2016	March 19, 2016	March 20, 2016	A
	IR-15-00010-MTR -105-A	Inspection of steel work of stem retaining wall between sections 1& 3 at Al Mutilla Reservoir.	March 21, 2016	March 21, 2016	February 22, 2016	A
	IR-15-00010-KFR -106-A	Inspection of form work and steel reinforcement for retaining wall between section 2 & 3 for casting concrete at Kuferit Reservoir.	March 21, 2016	March 21, 2016	March 22, 2016	A
	IR-15-00010-MTR -107-A	Inspection of repair for concrete surface finish for stairs and replaced fair face board at Al-Mutilla Reservoir	March 21, 2016	March 22, 2016	March 23, 2016	C
	IR-15-00010-JLR-108-A	Inspection of steel and formwork for boundary wall stem between sections 4 & 5 at Jalqamus Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	A
	IR-15-00010-JLR-109-A	Inspection of casting concrete for boundary wall stem between sections 4 & 5 at Jalqamus Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	A
	IR-15-00010-MTR-110-A	Inspection of steel and formwork for retaining wall stem between sections 1 & 3 at Al-Mutilla Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	C
	IR-15-00010-MTR-110-B	Inspection of steel and formwork for retaining wall stem between sections 1 & 3 at Al-Mutilla Reservoir.	March 23, 2016	March 24, 2016	March 24, 2016	A
	IR-15-00010-MTR-111-A	Inspection of casting concrete for retaining wall stem between sections 1 & 3 at Al-Mutilla Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	C
	IR-15-00010-MTR-111-B	Inspection of casting concrete for retaining wall stem between sections 1 & 3 at Al-Mutilla Reservoir.	March 23, 2016	March 24, 2016	March 24, 2016	A
	IR-15-00010-MTR-112-A	Inspection for steel work for columns above level 1 at Al Mutilla Reservoir.	March 22, 2016	March 22, 2016	March 23, 2016	A
	IR-15-00010-KFR-113-A	Inspection of fabrication of washout pipes for Kuferit reservoirs size 6" pipes at storage yard in Jenin city	March 22, 2016	March 22, 2016	March 23, 2016	A
	IR-15-00010-SWJ -114-A	Inspection for welder qualification test (7 welders ,welders ID will be submitted with certification) at Jalqamus Reservoir workshop.	March 22, 2016	March 23, 2016	March 24, 2016	C
	IR-15-00010-JLR -115-A	Inspection for Furnish and install vapor barrier below slab on grade at Jalqamus reservoir	March 23, 2016	March 23, 2016	March 24, 2016	A
	IR-15-00010-JLR -116-A	Inspection for form work and casting lean below slab on grade at Jalqamus reservoir	March 23, 2016	March 23, 2016	March 24, 2016	A
	IR-15-00010-	Inspection for Form work for columns	March 24, 2016	March 26,	March 27,	C

	MTR -117-A	above level 1 at Al Mutilla Reservoir.		2016	2016	
	IR-15-00010-MTR -117-B	Inspection for Form work for columns above level 1 at Al Mutilla Reservoir.	March 29, 2016	March 29, 2016	March 30, 2016	A
	IR-15-00010-MTR -118-A	Inspection for casting concerte for columns above level 1 at Al Mutilla Reservoir.	March 24, 2016	March 26, 2016	March 26, 2016	C
	IR-15-00010-MTR -118-B	Inspection for casting concrete for columns above level 1 at Al Mutilla Reservoir.	March 29, 2016	March 29, 2016	March 30, 2016	A
	IR-15-00010-KFR-119-A	Inspection of reduced level of reservoir foundation at Kuferit Reservoir.	March 24, 2016	April 6, 2016	March 27, 2016	C
	IR-15-00010-SWJ-120-A	Inspection of Delivered material • PVC Water Stop Super cast Watafoil 250 – 12lm/roll as attached. • Expandable Water Stop Supercast SW30 – 5lm/roll as attached. At Jalqamus storage yard.	March 27, 2016	March 27, 2016	March 28, 2016	C
	IR-15-00010-SWJ-120-B	Inspection of Delivered material • PVC Water Stop Super cast Watafoil 250 – 12lm/roll as attached. • Expandable Water Stop Supercast SW30 – 5lm/roll as attached. At Jalqamus storage yard.	March 30, 2016	March 30, 2016	March 30, 2016	A
	IR-15-00010-SWJ-121-A	Inspection of Delivered material 2", 3" and 4" steel pipes as attached. At Jalqamus storage yard.	March 27, 2016	March 27, 2016	March 28, 2016	C
	IR-15-00010-SWJ-121-B	Inspection of Delivered material 2", 3" and 4" steel pipes and fittings as attached. At Jalqamus storage yard.	March 28, 2016	March 28, 2016	March 28, 2016	A
	IR-15-00010-SWJ-122-A	Inspection of Electrical conduits-Steel Pipes as attached. At Jalqamus storage yard.	March 27, 2016	March 27, 2016	March 28, 2016	C
	IR-15-00010-SWJ-122-B	Inspection of Electrical conduits-Steel Pipes as attached. At Jalqamus storage yard.	March 28, 2016	March 28, 2016	March 28, 2016	A
	IR-15-00010-KFR-123-A	Inspection of steel reinforcement for retaining wall and boundary wall foundation from sections 3 to between sections 7 & 1 at Kuferit Reservoir.	March 27, 2016	March 29, 2016	March 30, 2016	A
	IR-15-00010-KFR-124-A	Inspection of formwork for retaining wall and boundary wall foundation from sections 3 to between sections 7 & 1 at Kuferit Reservoir	March 27, 2016	March 29, 2016	March 30, 2016	A
	IR-15-00010-KFR-125-A	Inspection of casting concrete for retaining wall and boundary wall foundation from sections 3 to	March 27, 2016	March 29, 2016	March 30, 2016	A

	between sections 7 & 1 at Kuferit Reservoir.				
IR-15-00010-ARR-126-A	Inspection of surface preparation of boundary wall prior to apply 1 st Bituminous coat at between sections 8-10 to 10-Existing point inside and outside at Arraba Reservoir.	March 27, 2016	March 27, 2016	March 28, 2016	A
IR-15-00010-JLR-127-A	Inspection of steel reinforcement and formwork for retaining wall stem between sections 1 & 2 at Jalqamus Reservoir.	March 27, 2016	March 27, 2016	March 28, 2016	A
IR-15-00010-JLR-128-A	Inspection of casting concrete for retaining wall stem between sections 1 & 2 at Jalqamus Reservoir.	March 27, 2016	March 27, 2016	March 28, 2016	A
IR-15-00010-ARR-129-A	Inspection of installation of earthing system for foundation at Arraba Reservoir.	March 28, 2016	March 29, 2016	March 30, 2016	A
IR-15-00010-MTR -130-A	Inspection of formwork and reinforcement steel for stairs from 1st level to 2nd land at Al Mutilla Reservoir.	March 29, 2016	March 29, 2016	March 30, 2016	A
IR-15-00010-MTR -131-A	Inspection of casting concrete for stairs from 1st level to 2nd land at Al Mutilla Reservoir.	March 29, 2016	March 29, 2016	March 30, 2016	A
IR-15-00010-ARR -132-A	Inspection of 1st layer of Bituminous coat prior to apply 2nd layer for boundary wall between sections 8-10 to 10-Existing point inside and outside at Arraba Reservoir.	March 30, 2016	March 30, 2016	March 31, 2016	A
IR-15-00010-ARR -133-A	Inspection of 2nd layer of Bituminous coat prior to start backfill for boundary wall between sections 8-10 to 10-Existing point inside and outside at Arraba Reservoir.	March 30, 2016	March 30, 2016	March 31, 2016	A
IR-15-00010-JLR-134-A	Inspection of form work for foundation and slab on grade at Jalqamus Reservoir.	March 30, 2016	March 30, 2016	March 31, 2016	C
IR-15-00010-ARR-135-A	Inspection of form work , steel reinforcement ,slab on grade, foundation and bases of columns for Arraba Reservoir.	March 31, 2016	April 3, 2016	April 4, 2016	A

Annex H – Test Reports Log

CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

QC SUBMITTALS LOG						
No.	**Submittal No.**	**Description**	**Submittal Classification**	**Submitted Date**	**Response Date**	**Status**
1	TEST-15-00010-SWJ-001-A	28-Days Concrete Compressive Strength Test Reports (M/1508/360AA – B-20, B-25 & B-30 Al Karmel Batch Plant Concrete Mix Design	Concrete	January 10, 2016	January 20, 2016	A
2	TEST-15-00010-SWJ-002-A	28-Days Concrete Compressive Strength Test Reports (M/1511/330bb – B-20, B-25 & B-30 Me'mar Batch Plant	Concrete	January 10, 2016	January 20, 2016	A
3	TEST-15-00010-SWJ-003-A	28-Days Concrete Compressive Strength Test Reports (M/1511/330aa – B-35 Me'mar Batch Plant Concrete Mix Design)	Concrete	January 10, 2016	January 20, 2016	E
4	TEST-15-00010-SWJ-004-A	28-Days Concrete Compressive Strength Test Reports(M/1511/330' – B-35 Cylinder Me'mar Batch Plant	Concrete	January 10, 2016	January 20, 2016	A
5	TEST-15-00010-SWJ-005-A	07-Days Concrete Compressive Strength Test Reports(M/1512/657 – C-35 Cylinder (Type A1) trial at Al Karmel Batch Plant	Concrete	January 11, 2016	January 20, 2016	A
6	TEST-15-00010-SWJ-006-A	07-Days Concrete Compressive Strength Test Reports (M/1512/645 – C-35 Cylinder (Type A3) trial at Al Karmel Batch Plant	Concrete	January 11, 2016	January 20, 2016	A
7	TEST-15-00010-SWJ-007-A	07-Days Concrete Compressive Strength Test Reports (M/160/15-B -35 Cylinder (Type A1) trial at Me'mar Batch Plant	Concrete	January 13, 2016	January 20, 2016	A
8	TEST-15-00010-SWJ-008-A	Test Report on Natural Sand for Concrete (M/1601/302a)-at Me'mar Batch Plant-Stockpiles at the plant	Concrete	January 21, 2016	January 21, 2016	A
9	TEST-15-00010-ARR-09-A	Test Report for Concrete Type A1 (M/1601/15) – at Me'mar Batch Plant-07 Days Trial Mix	Concrete	January 24, 2016	January 25, 2016	A
10	TEST-15-00010-SWJ-010-A	Test Report Concrete B -300 (M/1601/208) – at Al Karmel Batch Plant -07 Days Trail Mix	Concrete	January 24, 2016	January 25, 2016	A
11	TEST-15-00010-SWJ-011-A	Test Report for single size (Somsom)(M/1601/301)-at Me'mar Plant-Stockpiles at the plant	Concrete	January 25, 2016	January 28, 2016	A
12	TEST-15-00010-SWJ-012-A	Test Report for Concrete B-300 (M/1601/310) – at Me'mar Batch Plant-07 Days Trial Mix	Concrete	January 28, 2016	February 15, 2016	A
13	TEST-15-00010-SWJ-013-A	Test Report Concrete B -250 (M/1601/328) – at Al Karmel Batch Plant -07 Days Trail Mix	Concrete	January 28, 2016	February 15, 2016	A
14	TEST-15-00010-SWJ-014-A	28-Days Concrete Compressive Strength Test Reports (M/1512/657a) – (Type A1) Trial at Al Karmel Batch Plant	Concrete	February 1, 2016	February 15, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
15	TEST-15-00010-SWJ-015-A	28-Days Concrete Compressive Strength Test Reports (M/1512/645a) – (Type A3) Trial at Al Karmel Batch Plant	Concrete	February 2, 2016	February 15, 2016	A
16	TEST-15-00010-SWJ-016-A	28-Days Concrete Compressive Strength Test Reports (M/160/15a – (Type A1-) Trial at Me'mar Batch Plan	Concrete	February 2, 2016	February 15, 2016	A
17	TEST-15-00010-SWJ-017-A	Test Report - reinforcement deformed steel Bars Ø14 , Ø16, Ø20, Ø25 Report # (BM/STL/16006) Fawaz Qanaze'a Co./ Nablus	Steel	February 9, 2016	February 15, 2016	A
18	TEST-15-00010-SWJ-018-A	Test Report Concrete B-300 (M/160/208a)at Al Karmel Batch Plant-28 Days Trail Mix	Concrete	February 10, 2016	February 15, 2016	A
19	TEST-15-00010-SWJ-019-A	A Test Report for single size (Somsom)(BM/QC/16011)-at University Crusher-Stockpiles at the University plant.	Somsom	February 17, 2016	February 24, 2016	A
20	TEST-15-00010-SWJ-020-A	Test Report for Silica Sand (BM/QC/16012)-at University Crusher-Stockpiles at the University plant.	Silica sand	February 17, 2016	February 24, 2016	A
21	TEST-15-00010-SWJ-21-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16253)-(Type A1)trail at University Mix Plant	Concrete	February 22, 2016	February 24, 2016	A
22	TEST-15-00010-MTR-22-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16288)-(Type A1)trail For foundation Al Mutilla Reservoir	Concrete	February 22, 2016	February 24, 2016	A
23	TEST-15-00010-SWJ-23-A	Test Report for Silica Sand (BM/QC/16025)-at University Crusher-Stockpiles at the University plant.	Silica sand	February 25, 2016	March 8, 2016	A
24	TEST-15-00010-SWJ-24-A	28-Days Concrete Cubes Strength Test Report (118/C/2016)Al –Jam'a Concrete Company- Trial Batch	Concrete	February 28, 2016		Retracted
25	TEST-15-00010-MTR-24-A	28-Days Lean Concrete (B 25) for Al Mutilla reservoir Test Report (118/C/2016)Al –Jam'a Concrete Trial Batch	Concrete	March 6, 2016	March 8, 2016	A
26	TEST-15-00010-MTR-25-A	28-Days Lean Concrete (B 30) for Al Mutilla reservoir Test Report (118A/C/2016)Al –Jam'a Concrete Trial Batch	Concrete	March 6, 2016	March 8, 2016	A
27	TEST-15-00010-JLR-26-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16044), (ST/16062) – at Jalqamus Reservoir Area =180m2/inside the ring	FDT	March 6, 2016	March 8, 2016	A

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
28	TEST-15-00010-SWJ-27-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16026) – at Me 'mar concrete factory	Sand equivalent	March 6, 2016	March 8, 2016	A
29	TEST-15-00010-SWJ-28-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16025) – at University Crusher plant	Sand equivalent	March 6, 2016	March 8, 2016	A
30	TEST-15-00010-SWJ-29-A	Test Report for Sand equivalent (Silica Sand /Concrete Fine aggregate) (BM/QC/16018) – at University Crusher plant	Sand equivalent	March 6, 2016	March 8, 2016	A
31	TEST-15-00010-MTR-030-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16310) – (B-20) Lean concrete /Retaining Wall (1-3) Al-Mutilla Reservoir	Concrete	March 6, 2016	March 8, 2016	A
32	TEST-15-00010-MTR-031-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16347) – (B-30) Footing of Retaining Wall (1-3) Al-Mutilla Reservoir	Concrete	March 6, 2016	March 8, 2016	A
33	TEST-15-00010-JLR-032-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16300) – (B-20) Lean concrete under Wall Footing Jalqamus Reservoir	Concrete	March 6, 2016	March 8, 2016	A
34	TEST-15-00010-JLR-033-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16300) – (B-20) Lean concrete under Wall Footing Jalqamus Reservoir	Concrete	March 6, 2016	March 8, 2016	A
35	TEST-15-00010-JLR-034-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16325) – (B-20) Lean concrete under Retaining Wall Jalqamus Reservoir	Concrete	March 7, 2016	March 8, 2016	A
36	TEST-15-00010-JLR-35-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16381) – (B-30) Footing of Retaining Wall Between Points(4-5) Jalqamus Reservoir	Concrete	March 10, 2016	March 16, 2016	A
37	TEST-15-00010-MTR-36-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16380) – (A1(35MPaC))) Columns of Level one and Concrete Slab On-Grade Al-Mutilla Reservoir	Concrete	March 10, 2016	March 16, 2016	A
38	TEST-15-00010-ARR-037-A	(BM/CT/16379) – (A1(35MPaC))) Around Wash Out Pipe Arraba Reservoir	Concrete	March 10, 2016	March 16, 2016	A
39	TEST-15-00010-JLR-038-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16362) – (B-30) Base of Retaining Wall Between Points (3-4) & Blinding Between Points (4-5) Jalqamus Reservoir	Concrete	March 10, 2016	March 16, 2016	A
40	TEST-15-00010-JLR-039-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16060) – at Jalqamus Reservoir Area Inside Ring/Below Slab On-Grade,3rd Layer	FDT	March 10, 2016	March 16, 2016	C

QC SUBMITTALS LOG						
No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
41	TEST-15-00010-JLR-039-B	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16060) – at Jalqamus Reservoir Area Inside Ring/Below Slab On-Grade,3rd Layer	FDT	March 17, 2016	March 22, 2016	A
42	TEST-15-00010-ARR-40-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16059) – at Arraba On-Ground Reservoir Area /Inside Ring/Below Slab On-Grade,3rd Layer	FDT	March 10, 2016	March 16, 2016	C
43	TEST-15-00010-ARR-40-B	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16059) – at Arraba On-Ground Reservoir Area /Inside Ring/Below Slab On-Grade,3rd Layer	FDT	March 17, 2016	March 22, 2016	A
44	TEST-15-00010-ARR-41-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16058), – at Arraba On-Ground Reservoir Area/Inside Ring/Below Slab On-Grade,2nd Layer	FDT	March 10, 2016	March 16, 2016	C
45	TEST-15-00010-ARR-41-B	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16058), – at Arraba On-Ground Reservoir Area/Inside Ring/Below Slab On-Grade,2nd Layer	FDT	March 17, 2016	March 22, 2016	A
46	TEST-15-00010-JLR-42-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16057),– at Jalqamus Reservoir Area/Area Inside Ring /Below Slab On-Grade,2nd Layer	FDT	March 10, 2016	March 16, 2016	C
47	TEST-15-00010-JLR-42-B	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16057),– at Jalqamus Reservoir Area/Area Inside Ring /Below Slab On-Grade,2nd Layer	FDT	March 17, 2016	March 22, 2016	A
48	TEST-15-00010-ARR-43-A	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16048)– at Arraba On-Ground Reservoir Area,1st Layer	FDT	March 10, 2016	March 16, 2016	C
49	TEST-15-00010-ARR-43-B	Test Report for FDT (field Density Test) Back Fill Material (ST/FD/16048)– at Arraba On-Ground Reservoir Area,1st Layer	FDT	March 17, 2016	March 22, 2016	A
50	TEST-15-00010-ARR-44-A	Test Report for Base Course (ST/16086), Arraba Reservoir on Site Yard(3rd Layer)	Base Course	March 10, 2016	March 16, 2016	C
51	TEST-15-00010-ARR-44-B	Test Report for Back Fill Material (ST/16086), Arraba Reservoir on Site Yard(3rd Layer)	Base Course	March 17, 2016	March 22, 2016	A
52	TEST-15-00010-JLR-45-A	Test Report for Base Course (ST/16087), Jalqamus Reservoir on Site Yard(4th Layer)	Base Course	March 10, 2016	March 16, 2016	C
53	TEST-15-00010-JLR-45-B	Test Report for Back Fill Material (ST/16087), Jalqamus Reservoir on Site Yard(4th Layer)	Base Course	March 17, 2016	March 22, 2016	A
54	TEST-15-00010-MTR-046-A	07-Days Concrete Compressive Strength Test Reports (BM/CT/16418) – (A1(35MPaC))) Stair Case Between (Ground to First Land Al-Mutilla Reservoir	Concrete	March 14, 2016	March 31, 2016	A

QC SUBMITTALS LOG						
No.	**Submittal No.**	**Description**	**Submittal Classification**	**Submitted Date**	**Response Date**	**Status**
55	TEST-15-00010-JLR-047-A	07-Days Concrete Compressive Strength Test Reports(BM/CT/16417) – (B-30) Retaining Wall Between Points (3-4)Jalqamus Reservoir	Concrete	March 14, 2016	March 31, 2016	A
56	TEST-15-00010-JLR-048-A	28-Days Concrete Compressive Strength Test Reports(BM/CT/16300) – (B-20) Lean Concrete Under Foundation Ring Jalqamus Reservoir	Concrete	March 14, 2016	March 31, 2016	A
57	TEST-15-00010-ARR-049-A	Test Report for Back Fill Material 4th layer (ST/FD/16114),(ST/16086), Arraba Reservoir Below Slab on Grade	back fill	March 20, 2016	March 22, 2016	A
58	TEST-15-00010-ARR-050-A	Test Report for Base Course layer (ST/FD/16123),(ST/16113), Arraba Reservoir Below Slab on Grade	Base Course	March 20, 2016	March 22, 2016	A
59	TEST-15-00010--JLR-051-A	Test Report for Base Course layer (ST/FD/16124), (ST/FD/16141), (ST/160114), Jalqamus Reservoir Below Slab on Grade	Base Course	March 20, 2016	March 22, 2016	A

Annex I - Submittals Data

USAID WEST BANK - GAZA - INFRASTRUCTURE NEEDS PROGRAM II (INPII)

CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010

Southwest Jenin Water Project

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
1	SUB-15-00010-SWJ-001-A	Engineers Primary Field Office Layout	Pre-Construction	November 11, 2015	November 22, 2015	B
2	SUB-15-00010-SWJ-002-A	Steel Pipes (6", 8" and 10") - FIP	Material-Mec	November 11, 2015	November 30, 2015	C
3	SUB-15-00010-SWJ-002-B	Steel Pipes (6",8" and 10") in FIP Products	Material-Mec	December 13, 2015	December 21, 2015	B
4	SUB-15-00010-SWJ-002-C	Steel Pipes (6",8" and 10") in FIP Products	Material-Mec	December 27, 2015	January 10, 2016	A
5	SUB-15-00010-SWJ-003-A	Steel Fittings - FIP	Material-Mec	November 11, 2015	November 30, 2015	B
6	SUB-15-00010-SWJ-004-A	Field Offices Computer System	Pre-Construction	November 11, 2015	December 6, 2015	B
7	SUB-15-00010-SWJ-005-A	Field Offices Furniture's System	Pre-Construction	November 11, 2015	November 23, 2015	B
8	SUB-15-00010-SWJ-006-A	Scheduling Qualification	Pre-Construction	November 11, 2015	November 22, 2015	A
9	SUB-15-00010-SWJ-007-A	Performance and Maintenance Guarantee	Pre-Construction	November 17, 2015	November 22, 2015	E
10	SUB-15-00010-SWJ-008-A	Temporary Project Signs	Pre-Construction	November 17, 2015	November 22, 2015	B
11	SUB-15-00010-SWJ-009-A	Safety Plan	Pre-Construction	December 15, 2015	December 29, 2015	B
12	SUB-15-00010-SWJ-010-A	Quality Control Program Plan-QCP	Pre-Construction	November 24, 2015	December 6, 2015	C
13	SUB-15-00010-SWJ-010-B	Quality Control Program Plan-QCP	Pre-Construction	December 13, 2015	December 21, 2015	B
14	SUB-15-00010-SWJ-011-A	Excavation and Trenching Safety Plan	Pre-Construction	November 24, 2015	December 6, 2015	C
15	SUB-15-00010-SWJ-011-B	Excavation and Trenching Safety Plan	Pre-Construction	December 13, 2015	December 21, 2015	A
16	SUB-15-00010-SWJ-012-A	Submittal Schedule	Pre-Construction	November 24, 2015	December 8, 2015	B
17	SUB-15-00010-SWJ-013-A	List of License and Permits	Pre-Construction	November 24, 2015	December 6, 2015	C

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
18	SUB-15-00010-SWJ-013-B	List of License and Permits	Pre-Construction	December 13, 2015	December 21, 2015	A
19	SUB-15-00010-SWJ-014-A	Link Seal Material	Material-CPS	November 24, 2015	December 1, 2015	B
20	SUB-15-00010-SWJ-015-A	High Potential Magnesium Anodes	Material-CPS	November 24, 2015	December 1, 2015	B
21	SUB-15-00010-SWJ-016-A	Test Station for Cathodic Protection	Material-CPS	November 24, 2015	December 1, 2015	B
22	SUB-15-00010-SWJ-017-A	Cathodic Protection System Consumables	Material-CPS	November 24, 2015	December 1, 2015	C
23	SUB-15-00010-SWJ-018-A	Anodes Installation Method Statement	Method Statement	November 24, 2015	December 9, 2015	B
24	SUB-15-00010-MTR-019-A	Site Layout for AL Mutilla Reservoir	Shop Drawing	November 24, 2015	December 6, 2015	B
25	SUB-15-00010-JLR-020-A	Site Layout for Jalqamus Reservoir	Shop Drawing	November 24, 2015	December 6, 2015	B
26	SUB-15-00010-SWJ-021-A	Environmental Mitigation and Monitoring Plan-SWJ	Pre-Construction	November 24, 2015	December 13, 2015	C
27	SUB-15-00010-SWJ-021-B	Environmental Mitigation and Monitoring Plan(EMMP)	Pre-Construction	December 20, 2015	January 7, 2016	B
28	SUB-15-00010-SWJ-022-A	Construction Risk Management Program	Pre-Construction	November 24, 2015	December 6, 2015	C
29	SUB-15-00010-SWJ-022-B	Construction Risk Management Program	Pre-Construction	December 14, 2015	January 13, 2016	A
30	SUB-15-00010-SWJ-023-A	Steel Reinforcement manufacture's Data	Pre-Construction	November 24, 2015	December 8, 2015	C
31	SUB-15-00010-SWJ-023-B	Steel Reinforcement manufacture's Data	Pre-Construction	December 21, 2015	January 13, 2016	A
32	SUB-15-00010-SWJ-024-A	Testing Laboratory CV's	Pre-Construction	November 24, 2015	December 6, 2015	C
33	SUB-15-00010-SWJ-024-B	Testing Laboratory CV's	Pre-Construction	December 13, 2015	December 21, 2015	B
34	SUB-15-00010-SWJ-025-A	Concrete Batch Plants	Pre-Construction	November 24, 2015	December 14, 2015	C

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
36	SUB-15-00010-SWJ-026-A	ALKarmel Concrete Mix Design	Pre-Construction	November 24, 2015	December 1, 2015	B
37	SUB-15-00010-SWJ-026-B	ALKarmel Concrete Mix Design	Pre-Construction	January 19, 2016	January 27, 2016	A
38	SUB-15-00010-SWJ-027-A	Subcontractor Profile	Pre-Construction	November 24, 2015	November 29, 2015	E
39	SUB-15-00010-SWJ-028-A	Preliminary Progress Schedule Submittal (60 Day Plan of Operation)	Pre-Construction	November 24, 2015	December 6, 2015	B
40	SUB-15-00010-MTR-029-A	AL Mutilla Reservoir Structural Shop Drawings	Shop Drawing	November 24, 2015	December 22, 2015	C
41	SUB-15-00010-MTR-029-B	AL Mutilla Reservoir Structural Shop Drawings	Shop Drawing	December 27, 2015	January 17, 2016	B
42	SUB-15-00010-MTR-029-C	AL Mutilla Reservoir Structural Shop Drawings-For Construction	Shop Drawing	January 18, 2016	January 27, 2016	A
43	SUB-15-00010-SWJ-030-A	Temporary Project Signs-Graphical Sign Sample	Sample	November 24, 2015	December 14, 2015	A
44	SUB-15-00010-SWJ-031-A	Copy of Insurance Certificate	Pre-Construction	December 7, 2015	December 16, 2015	E
45	SUB-15-00010-SWJ-032-A	Dumping Area	Pre-Construction	December 7, 2015	December 21, 2015	B
46	SUB-15-00010-SWJ-033-A	Storage Yard	Pre-Construction	December 7, 2015	December 21, 2015	B
47	SUB-15-00010-ARR-034-A	Arraba Reservoir Site Layout	Shop Drawing	December 7, 2015	December 13, 2015	C
48	SUB-15-00010-ARR-034-B	Arraba Reservoir Site Layout	Shop Drawing	December 15, 2015	January 13, 2016	C
49	SUB-15-00010-ARR-034-C	Arraba Reservoir Site Layout	Shop Drawing	February 10, 2016	February 17, 2016	A
50	SUB-15-00010-JLR-035-A	Jalqamus Reservoir Access Road Shop Drawings	Shop Drawing	December 7, 2015	December 29, 2015	C
51	SUB-15-00010-JLR-035-B	Jalqamus Reservoir Access Road Shop Drawings	Shop Drawing	December 30, 2015	January 27, 2016	B
52	SUB-15-00010-JLR-036-A	Jalqamus Double Trench Pipelines (6" Pipes)	Method Statement	December 6, 2015	December 13, 2015	B

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
53	SUB-15-00010-SWJ-037-A	Cell Phones & SIM	Material-Mec	December 8, 2015	December 21, 2015	E
54	SUB-15-00010-SWJ-038-A	Temporary Project Signs Locations	Pre-Construction	December 14, 2015	December 21, 2015	A
55	SUB-15-00010-SMT-039-A	Dilapidation Survey(Sanour-Methalon Main Transmission Line)	Pre-Construction	December 14, 2015	December 28, 2015	A
56	SUB-15-00010-SWJ-040-A	Coordination With Local Authorities(Letters to Local Authorities)	Pre-Construction	December 14, 2015	January 7, 2016	A
57	SUB-15-00010-JLR-041-A	Proposed Site Layout for Jalqamus Reservoir	Shop Drawing	December 14, 2015	December 28, 2015	C
58	SUB-15-00010-JLR-041-B	Proposed Site Layout for Jalqamus Reservoir	Shop Drawing	December 29, 2015	January 19, 2016	C
59	SUB-15-00010-JLR-041-C	Proposed Site Layout for Jalqamus Reservoir	Shop Drawing	January 20, 2016	February 17, 2016	B
60	SUB-15-00010-MTR-042-A	Proposed Site Layout for Al Mutilla Elevated Reservoir	Shop Drawing	December 14, 2015	December 28, 2015	C
61	SUB-15-00010-MTR-042-B	Proposed Site Layout for Al Mutilla Elevated Reservoir	Shop Drawing	December 30, 2015	January 19, 2016	C
62	SUB-15-00010-MTR-042-C	Proposed Site Layout for Al Mutilla Elevated Reservoir	Shop Drawing	January 24, 2016	January 27, 2016	A
63	SUB-15-00010-MTB-043-A	Site Layout for Al Mutilla Booster Station	Shop Drawing	December 14, 2015	January 11, 2016	C
64	SUB-15-00010-MTB-043-B	Site Layout for Al Mutilla Booster Station	Shop Drawing	January 14, 2016	January 27, 2016	B
65	SUB-15-00010-MTB-043-C	Site Layout for Al Mutilla Booster Station-For Construction	Shop Drawing	February 1, 2016	February 7, 2016	A
66	SUB-15-00010-KFR-044-A	Site Layout for Kufeirit Reservoir	Shop Drawing	December 14, 2015	January 11, 2016	C
67	SUB-15-00010-KFR-044-B	Site Layout for Kufeirit Reservoir	Shop Drawing	January 20, 2016	January 12, 2016	Retracted
68	SUB-15-00010-KFR-044-B	Site Layout for Kufeirit Reservoir	Shop Drawing	February 2, 2016	February 23, 2016	B
69	SUB-15-00010-SWJ-045-A	Pressure Gauage and Snubbers-WIKA	Material-Mec	December 14, 2015	January 10, 2016	B

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
70	SUB-15-00010-SWJ-046-A	Check Valves-A.R.I	Material-Mec	December 14, 2015	January 11, 2016	A
71	SUB-15-00010-SWJ-047-A	1" & 2" Combination Air Release Valve-A.R.I	Material-Mec	December 14, 2015	December 30, 2015	B
72	SUB-15-00010-SWJ-048-A	3" & 4" Combination Air Release Valve-A.R.I	Material-Mec	December 14, 2015	January 7, 2016	B
73	SUB-15-00010-SWJ-049-A	KSB Ball Valves DN50 7 Smaller	Material-Mec	December 14, 2015	January 7, 2016	C
74	SUB-15-00010-SWJ-049-B	KSB Ball Valves DN50 7 Smaller	Material-Mec	January 20, 2016	February 7, 2016	A
75	SUB-15-00010-SWJ-050-A	Flange Insulation Kit (SGM)	Material-Mec	December 14, 2015	January 7, 2016	C
76	SUB-15-00010-SWJ-050-B	Flange Insulation Kit (SGM)	Material-Mec	January 20, 2016	February 7, 2016	A
77	SUB-15-00010-SWJ-051-A	Perforated Pipes	Material-Mec	December 14, 2015	January 13, 2016	A
78	SUB-15-00010-SWJ-052-A	Ventilation Pipes Sh40 Seamless	Material-Mec	December 14, 2015	January 7, 2016	B
79	SUB-15-00010-SWJ-053-A	Silent Check Valves	Material-Mec	December 14, 2015	January 13, 2016	A
80	SUB-15-00010-SWJ-054-A	Booster Pumps/KSB	Material-Mec	December 14, 2015	January 7, 2016	C
81	SUB-15-00010-SWJ-054-B	Booster Pumps/KSB	Material-Mec	February 1, 2016	February 25, 2016	C
82	SUB-15-00010-SWJ-054-C	Booster Pumps/KSB	Material-Mec	March 27, 2016	March 31, 2016	Retracted
84	SUB-15-00010-SWJ-055-A	Electromagnet Flowmeters/DC(Siemens/MAG 8000)	Material-Elec	December 14, 2015	January 13, 2016	C
85	SUB-15-00010-SWJ-056-A	Electromagnet Flowmeters/AC(Siemens/MAG 31000)	Material-Elec	December 14, 2015	January 13, 2016	D
86	SUB-15-00010-SWJ-057-A	Pressure Level Transmitter Siemns	Material-Elec	December 14, 2015	January 7, 2016	C
87	SUB-15-00010-SWJ-058-A	Pressure Indicating Transmitter/Siemens	Material-Elec	December 14, 2015	January 9, 2016	C

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
88	SUB-15-00010-SWJ-059-A	Float Level Switch (Magentrol/T10 Float Level Switch)	Material-Elec	December 14, 2015	January 7, 2016	A
89	SUB-15-00010-SWJ-060-A	Pressure Switch/Beta	Material-Elec	December 14, 2015	January 7, 2016	C
90	SUB-15-00010-SWJ-061-A	Lightning Surge Arrestor (MTL Surge Technology/TP48 Series)	Material-Elec	December 15, 2015	January 7, 2016	B
91	SUB-15-00010-SWJ-062-A	Pressure Differential Switch-Ashcroft	Material-Elec	December 15, 2015	January 13, 2016	C
92	SUB-15-00010-SWJ-063-A	Lighting Surge Arrestor Cabinet (MTL Instruments/SD32X)	Material-Elec	December 15, 2015	January 7, 2016	A
93	SUB-15-00010-SWJ-064-A	Bolts, Washers and Nuts	Material-Mec	December 15, 2015	January 7, 2016	A
94	SUB-15-00010-SWJ-065-A	Strainer/ Y-Type	Material-Mec	December 15, 2015	January 13, 2016	C
95	SUB-15-00010-SWJ-065-B	Strainer/ Y-Type	Material-Mec	February 21, 2016	February 28, 2016	C
96	SUB-15-00010-SWJ-065-C	Strainer/ Y-Type	Material-Mec	March 9, 2016	March 13, 2016	B
97	SUB-15-00010-SWJ-066-A	Dismantling Joint-Unijoint	Material-Mec	December 15, 2015	January 13, 2016	A
98	SUB-15-00010-SWJ-067-A	Expansion Joint/MID CORR	Material-Mec	December 15, 2015	January 7, 2016	C
99	SUB-15-00010-SWJ-067-B	Expansion Joint/MID CORR	Material-Mec	January 20, 2016	February 7, 2016	A
100	SUB-15-00010-SWJ-068-A	Mechanical Coupling/FlexLock	Material-Mec	December 15, 2015	December 29, 2015	C
102	SUB-15-00010-SWJ-069-A	Welding Procedure	Method Statement	December 15, 2015	December 21, 2015	C
103	SUB-15-00010-SWJ-069-B	Welding Procedure	Method Statement	February 25, 2016	February 29, 2016	A
104	SUB-15-00010-SWJ-070-A	Method Statement For Repairing Pipes Cement Mortar	Method Statement	December 15, 2015	January 4, 2016	B

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
105	SUB-15-00010-SWJ-071-A	Root, Fill and Cap Stainless Steel Welding Procedure and Stainless Steel spool	Method Statement	December 15, 2015	January 13, 2016	C
106	SUB-15-00010-SWJ-071-B	Root, Fill and Cap Stainless Steel Welding Procedure and Stainless Steel spool	Method Statement	February 24, 2016	March 3, 2016	A
107	SUB-15-00010-SWJ-072-A	Sanour-Meithalon Transmission Pipeline(10")Plan,Profile & Typical Section From STA:0+000 to sta:1+600	Shop Drawing	December 15, 2015	January 7, 2016	C
108	SUB-15-00010-SWJ-072-B	Sanour-Meithalon Transmission Pipeline(10")Plan,Profile & Typical Section From STA:0+000 to sta:1+600	Shop Drawing	January 9, 2016	January 27, 2016	B
109	SUB-15-00010-SWJ-072-C	Sanour-Meithalon Transmission Pipeline(10")Plan,Profile & Typical Section From STA:0+000 to sta:1+601-For Construction	Shop Drawing	January 31, 2016	February 16, 2016	A
110	SUB-15-00010-SWJ-073-A	Flanged Gate Valve with Actuator / PN16/PN25/PN40	Material-Mec	December 15, 2015	January 4, 2016	C
111	SUB-15-00010-SWJ-073-B	Flanged Gate Valve with Actuator / PN16/PN25/PN40	Material-Mec	January 6, 2016	January 27, 2016	C
112	SUB-15-00010-SWJ-073-C	Flanged Gate Valve with Actuator / PN16/PN25/PN41	Material-Mec	February 1, 2016	February 11, 2016	A
113	SUB-15-00010-SWJ-074-A	Flap Valve	Material-Mec	December 13, 2015	January 4, 2016	A
114	SUB-15-00010-SWJ-075-A	Flange Gasket AFM 34	Material-Mec	December 13, 2015	January 5, 2016	C
115	SUB-15-00010-SWJ-075-B	Flange Gasket AFM 34	Material-Mec	January 24, 2016	February 7, 2016	A
116	SUB-15-00010-SWJ-076-A	General Construction Method Statement	Method Statement	December 15, 2015	January 13, 2016	A
117	SUB-15-00010-SWJ-077-A	Original CPM Schedule Submittal	Pre-Construction	December 15, 2015	January 10, 2016	C
118	SUB-15-00010-SWJ-077-B	Original CPM Schedule Submittal	Pre-Construction	January 20, 2016	February 7, 2016	C
119	SUB-15-00010-SWJ-077-C	Original CPM Schedule Submittal	Pre-Construction	February 15, 2016	February 23, 2016	A
120	SUB-15-00010-ARR-078-A	2000 m3 Arraba Reservoir Structural Shop Drawings	Shop Drawing	December 16, 2015	January 11, 2016	C

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
121	SUB-15-00010-ARR-078-B	2000 m3 Arraba Reservoir Structural Shop Drawings	Shop Drawing	January 12, 2016	February 1, 2016	C
122	SUB-15-00010-ARR-078-C	2000 m3 Arraba Reservoir Structural Shop Drawings	Shop Drawing	February 8, 2016	February 28, 2016	B
123	SUB-15-00010-ARR-078-D	2000 m3 Arraba Reservoir Structural Shop Drawings-For Construction	Shop Drawing	February 29, 2016	March 3, 2016	A
124	SUB-15-00010-JLR-079-A	Shop Drawing for Retaining Wall ST. 0+069.5 To ST. 0+164.4 RHS at Jalqamus Access Road	Shop Drawing	December 16, 2015	December 28, 2015	B
125	SUB-15-00010-SWJ-080-A	Colored PVC Pipes-Conduit for Power and Light	Material-Elec	December 16, 2015	January 7, 2016	C
127	SUB-15-00010-SWJ-081-A	Electrical Conduits PVC Pipes & Fittings	Material-Elec	December 16, 2015	January 7, 2016	C
128	SUB-15-00010-SWJ-081-B	Electrical Conduits PVC Pipes & Fittings	Material-Elec	January 9, 2016	January 20, 2016	A
129	SUB-15-00010-SWJ-082-A	Electrical Conduits-Steel Pipes	Material-Elec	December 16, 2015	January 7, 2016	A
130	SUB-15-00010-SWJ-083-A	PVC Coated Flexible Steel Pipe/Teleflex Electrical Flexible Conduits	Material-Elec	December 16, 2015	January 7, 2016	B
131	SUB-15-00010-SWJ-084-A	Grounding System Material	Material-Elec	December 16, 2015	January 7, 2016	C
132	SUB-15-00010-SWJ-084-B	Grounding System Material	Material-Elec	January 10, 2016	February 1, 2016	A
133	SUB-15-00010-SWJ-085-A	Power Cables	Material-Elec	December 16, 2015	January 7, 2016	C
134	SUB-15-00010-SWJ-086-A	Lighting Poles (Lighting Fixtures & Poles)	Material-Elec	December 16, 2015	January 7, 2016	C
135	SUB-15-00010-SWJ-086-B	Lighting Poles (Lighting Fixtures & Poles)	Material-Elec	January 27, 2016	February 14, 2016	A
136	SUB-15-00010-SWJ-087-A	Traffic Control Plan	Pre-Construction	December 17, 2015	December 28, 2015	C
137	SUB-15-00010-SWJ-087-B	Traffic Control Plan	Pre-Construction	February 29, 2016		Retracted
138	SUB-15-00010-SWJ-087-B	Traffic Control Plan	Pre-Construction	March 10, 2016	April 5, 2016	B
139	SUB-15-00010-ARR-088-A	Shop Drawing For Retaining Wall For Arraba Reservoir	Shop Drawing	December 17, 2015	January 5, 2016	C
140	SUB-15-00010-ARR-088-B	Shop Drawing For Retaining Wall For Arraba Reservoir	Shop Drawing	January 7, 2016	January 19, 2016	B
141	SUB-15-00010-ARR-088-C	Shop Drawing For Retaining Wall For Arraba Reservoir-(For Construction)	Shop Drawing	January 19, 2016	January 27, 2016	A
142	SUB-15-00010-MTR-089-A	Shop Drawing for Retaining Wall for Al Mutilla Reservoir	Shop Drawing	December 17, 2015	January 5, 2016	C
143	SUB-15-00010-MTR-089-B	Shop Drawing for Retaining Wall for Al Mutilla Reservoir	Shop Drawing	January 7, 2016	January 19, 2016	B
144	SUB-15-00010-MTR-089-C	Shop Drawing for Retaining Wall for Al Mutilla Reservoir (For Construction)	Shop Drawing	January 19, 2016	January 27, 2016	A
145	SUB-15-00010-SWJ-090-A	Steel Flanges-Hubbed Slip On-Type12-PN(16+25+40)	Material-Mec	December 17, 2015	January 3, 2016	B
146	SUB-15-00010-SWJ-091-A	Bedding Material Aggregate-Granular Backfill-Material(Somsom Size) Report #BM/QC/15137-Al Fares Crusher Plant/Jenin	Source	December 17, 2015	January 14, 2016	A
147	SUB-15-00010-SWJ-092-A	Backfill Material – Crushed Aggregate Size-(Single Size Material/Hommos and Addas) Report #/BM/QC/15138-(Al Fares Crusher Plant/Jenin)	Source	December 17, 2015	January 14, 2016	A
148	SUB-15-00010-SWJ-093-A	Class B35 Cylinder Concrete Ready Mix Design(Zakarneh Batch Plant)	Pre-Construction	December 19, 2015	January 7, 2016	D
150	SUB-15-00010-SWJ-094-A	B35 Cylinder Concrete Mix Design-Me'mar Batch Plant	Pre-Construction	December 19, 2015	January 11, 2016	C

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
151	SUB-15-00010-SWJ-094-B	B35 Cylinder Concrete Mix Design-Me'mar Batch Plant	Pre-Construction	January 12, 2016	January 19, 2016	A
152	SUB-15-00010-SWJ-095-A	B35 Concrete Ready Mix Design-Me'mar Batch plant	Pre-Construction	December 19, 2015	January 11, 2016	C
154	SUB-15-00010-MTR-096-A	Shop Drawing of Formwork for Al Mutilla Reservoir	Shop Drawing	December 17, 2015	January 7, 2016	B
155	SUB-15-00010-SWJ-097-A	Key Personnel	Pre-Construction	December 17, 2015	December 21, 2015	E
156	SUB-15-00010-MTR-098-A	Al Mutilla Elevated Reservoir piping Plan & Sections	Shop Drawing	December 20, 2015	January 18, 2016	C
157	SUB-15-00010-MTR-098-B	Al Mutilla Elevated Reservoir piping Plan & Sections	Shop Drawing	January 27, 2016	February 22, 2016	C
158	SUB-15-00010-MTR-098-C	Al Mutilla Elevated Reservoir piping Plan & Sections	Shop Drawing	March 13, 2016	April 7, 2016	B
159	SUB-15-00010-AJR-099-A	Layout for Ajja Reservoir	Shop Drawing	December 20, 2015	January 11, 2016	C
160	SUB-15-00010-AJR-099-B	Layout for Ajja Reservoir	Shop Drawing	January 13, 2016	January 27, 2016	C
161	SUB-15-00010-AJR-099-C	Layout for Ajja Reservoir	Shop Drawing	February 9, 2016	March 3, 2016	B
162	SUB-15-00010-SWJ-100-A	Holiday Test Machine	Material-Mec	December 20, 2015	January 3, 2016	E
163	SUB-15-00010-SWJ-101-A	Metal Box-Junction Box-(Metebox - Enclosure)	Material-Elec	December 20, 2015	January 7, 2016	A
164	SUB-15-00010-SWJ-102-A	B20+B25+B30 Concrete Mix Design-Memar	Pre-Construction	December 20, 2015	January 18, 2016	E
165	SUB-15-00010-SWJ-103-A	Method Statement of Demolition Circular Water Tanks at Grade Plan	Method Statement	December 20, 2015	January 3, 2016	B
166	SUB-15-00010-SWJ-104-A	B20/B25/B30/B35 Concrete Ready Mix Design-(Zakarneh Batch Plant)	Pre-Construction	December 21, 2015	January 18, 2016	D
168	SUB-15-00010-MTR-105-A	Traffic Control Plan-Al Mutilla Reservoir	SHop Drawing	December 23, 2015	December 28, 2015	B
169	SUB-15-00010-SWJ-106-A	Plastic Warning Tape Cathodic Protection System/Electrical	Sample	December 23, 2015	January 7, 2016	A
170	SUB-15-00010-SWJ-107-A	Method Statement for Chambers Installation	Method Statement	December 27, 2015	January 13, 2016	C
171	SUB-15-00010-SWJ-108-A	Concrete Curing Method Statement	Method Statement	December 27, 2015	January 11, 2016	A
172	SUB-15-00010-SWJ-109-A	Bituemnous Coating for External Walls-Nitoproof 30/Damp Proof Membrane	Material-CPS	December 27, 2015	January 7, 2016	A
173	SUB-15-00010-MTR-110-A	Excavation Plan for Al Mutilla Reservoir	Shop Drawing	December 27, 2015	January 13, 2016	A
174	SUB-15-00010-SWJ-111-A	Formwork Material-Form Tie & Plywood-Sampls	Sample	December 27, 2015	January 13, 2016	C
175	SUB-15-00010-SWJ-111-B	Formwork Material-Form Tie & Plywood-Sampls	Sample	January 19, 2016	January 27, 2016	A
176	SUB-15-00010-SWJ-112-A	Dumping Area 2nd Option	pre-Construction	December 27, 2015	January 18, 2016	B
177	SUB-15-00010-SWJ-113-A	Dilapidation Survey (Al Mutilla Reservoir)	Pre-Construction	December 27, 2015	January 17, 2016	B
178	SUB-15-00010-MTR-114-A	AL Mutilla Elevated Reservoir 500 CM Electrical Shop Drawings	Shop Drawing	December 27, 2015	January 20, 2016	B
179	SUB-15-00010-SWJ-115-A	Concrete Repair Method Statement	Method Statement	December 28, 2015	January 7, 2016	A
180	SUB-15-00010-SWJ-116-A	Internal Epoxy Coating - Nitocote EP405	Method Statement	December 28, 2015	February 22, 2016	C
181	SUB-15-00010-SWJ-116-B	Internal Epoxy Coating - Nitocote EP406	Method Statement	March 24, 2016	April 5, 2016	A
182	SUB-15-00010-SWJ-117-A	External Coating Dekguard FC+Nitocote SN522	Method Statement	December 28, 2015	January 18, 2016	A
183	SUB-15-00010-SWJ-118-A	PVC Waterstop (Supercast Watafoil S250) Method Statement	Method Statement	December 28, 2015	January 7, 2016	A
184	SUB-15-00010-SWJ-119-A	Flexible Protective Coating Nitocote EPU	Method Statement	December 28, 2015	January 13, 2016	A
185	SUB-15-00010-SWJ-120-A	Rapid Setting Cement-Based Water Stopping Mortar-Rendroc Plug	Method Statement	December 28, 2015	January 13, 2016	A
186	SUB-15-00010-SWJ-121-A	Method Statement for Non-Shrink Cementations Grout for Tie Rods-Conbextra HF	Method Statement	December 28, 2015	January 13, 2016	A

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
187	SUB-15-00010-SWJ-122-A	External Isolation Material-Nitoproof 30 MS	Method Statement	December 28, 2015	January 3, 2016	A
188	SUB-15-00010-SWJ-123-A	Method Statement for Cementation Repair Mortar-Renderoc FC	Method Statement	December 28, 2015	January 3, 2016	B
189	SUB-15-00010-ARR-124-A	Excavation Plan for Arraba Reservoir	Shop Drawing	December 28, 2015	January 17, 2016	C
190	SUB-15-00010-SWJ-125-A	Small Steel Pipes (2" , 3" and 4")	Material-Mec	December 28, 2015	January 17, 2016	C
191	SUB-15-00010-SWJ-125-B	Small Steel Pipes (2" , 3" and 4")	Material-Mec	January 31, 2016	February 11, 2016	C
192	SUB-15-00010-SWJ-125-C	Small Steel Pipes (2" , 3" and 4")	Material-Mec	February 21, 2016	March 6, 2016	B
193	SUB-15-00010-JLR-126-A	Excavation Plan for Jalqamus Reservoir	Pre-Construction	December 29, 2015	January 17, 2016	C
194	SUB-15-00010-JLR-126-B	Excavation Plan for Jalqamus Reservoir	Pre-Construction	February 1, 2016	February 17, 2016	A
195	SUB-15-00010-KFR-127-A	Kuferit Reservoir Access Road-Plan, Profile & Sections From STA. 0+000 - 0+170	Shop Drawing	December 30, 2015	January 25, 2016	B
196	SUB-15-00010-KFR-127-B	Kuferit Reservoir Access Road-Plan, Profile & Sections From STA. 0+000 - 0+171	Shop Drawing	February 28, 2016	March 15, 2016	B
197	SUB-15-00010-SWJ-128-A	Shop Drawing For Precast Manhole 1.20X1.20	Shop Drawing	December 30, 2015		Retracted
198	SUB-15-00010-SWJ-129-A	Precast Chambers-1.5X1.5 X2.0 m	Shop Drawing	December 30, 2015		Retracted
199	SUB-15-00010-JLR-130-A	Dilapidation Survey (Jalqamus Reservoir)	Pre-Construction	December 30, 2015	January 17, 2016	C
200	SUB-15-00010-JLR-130-B	Dilapidation Survey (Jalqamus Reservoir)	Pre-Construction	February 9, 2016	February 23, 2016	A
201	SUB-15-00010-ARR-131-A	Dilapidation Survey (Arraba Reservoir)	Pre-Construction	December 30, 2015	January 17, 2016	C
202	SUB-15-00010-ARR-131-B	Dilapidation Survey (Arraba Reservoir)	Pre-Construction	January 31, 2016	February 10, 2016	A
203	SUB-15-00010-JLR-132-A	Traffic Plan For Jalqamus Reservoir	Pre-Construction	January 3, 2016	January 17, 2016	B
204	SUB-15-00010-ARR-133-A	Traffic Plan For Arraba Reservoir	Pre-Construction	January 3, 2016	January 17, 2016	B
205	SUB-15-00010-SWJ-134-A	Stainless Steel Pipes	Material-Mec	January 3, 2016	January 7, 2016	C
206	SUB-15-00010-SWJ-134-B	Stainless Steel Pipes	Material-Mec	January 20, 2016	February 7, 2016	A
207	SUB-15-00010-SWJ-135-A	Warning Tape-Water Pipelines	sample	January 3, 2016	January 18, 2016	A
208	SUB-15-00010-SWJ-136-A	Manhole Steps-Samples and Data	sample	January 3, 2016	January 27, 2016	D
209	SUB-15-00010-SWJ-136-B	Manhole Steps-Samples and Data	sample	February 23, 2016	March 3, 2016	C
211	SUB-15-00010-SWJ-137-A	Filter Fabric (Geotextile)	sample	January 3, 2016	January 19, 2016	C
212	SUB-15-00010-SWJ-137-B	Filter Fabric (Geotextile)	sample	February 28, 2016	March 6, 2016	A
213	SUB-15-00010-SWJ-138-A	Manhole Covers/ Haddad "750mm"	Material-CPS	January 3, 2016	January 19, 2016	B
214	SUB-15-00010-SWJ-138-B	Manhole Covers/ Haddad "750mm"	Material-CPS	January 26, 2016	February 17, 2016	C
215	SUB-15-00010-SWJ-139-A	B20/B25/B30 Concrete Ready Mix Design-Al Karmel Batch Plant	Pre-Construction	January 3, 2016	January 18, 2016	B
216	SUB-15-00010-MTB-140-A	Dilapidation Survey-(Al Mutilla Booster Station)	Pre-Construction	January 3, 2016	January 17, 2016	C
217	SUB-15-00010-MTB-140-B	Dilapidation Survey-(Al Mutilla Booster Station)	Pre-Construction	February 14, 2016	February 17, 2016	A
218	SUB-15-00010-SWJ-141-A	Method Statement for Crack Injection(Wet or Dump Conditions)	Method Statement	January 4, 2016	February 1, 2016	A
219	SUB-15-00010-JLR-142-A	At Grade 1000 m3 Jalqamus Reservoir Structural Shop Drawings	Shop Drawing	January 4, 2016	February 1, 2016	C

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No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
220	SUB-15-00010-JLR-142-B	At Grade 1000 m3 Jalqamus Reservoir Structural Shop Drawings	Shop Drawing	February 16, 2016	February 28, 2016	B
221	SUB-15-00010-JLR-142-C	At Grade 1000 m3 Jalqamus Reservoir Structural Shop Drawings-For Construction	Shop Drawing	February 29, 2016	March 3, 2016	A
222	SUB-15-00010-TJT-143-A	Telfit-Jalqamus Transmission Pipeline-Dilapidation Survey	Pre-Construction	January 6, 2016	January 18, 2016	C
223	SUB-15-00010-TJT-143-B	Telfit-Jalqamus Transmission Pipeline-Dilapidation Survey	Pre-Construction	February 14, 2016	February 17, 2016	A
224	SUB-15-00010-JMT-144-A	Jalqamus-AL Mughayyir Force Line-Dilapidation Survey	Pre-Construction	January 6, 2016	January 18, 2016	C
225	SUB-15-00010-JMT-144-B	Jalqamus-AL Mughayyir Force Line-Dilapidation Survey	Pre-Construction	February 28, 2016	March 10, 2016	A
226	SUB-15-00010-SWJ-145-A	Base Course Material-Source Approval	Material-CPS	January 6, 2016	January 17, 2016	A
227	SUB-15-00010-SWJ-146-A	Steel Reinforcement Test Reports-Israel-12+16+18	Material-CPS	January 6, 2016	January 19, 2016	A
228	SUB-15-00010-SWJ-147-A	Vapor Retarder	Sample	January 6, 2016	January 18, 2016	A
229	SUB-15-00010-ARR-148-A	Arraba Reservoir Mechanical Shop Drawings	Shop Drawing	January 6, 2016	January 27, 2016	C
230	SUB-15-00010-SWJ-149-A	Method Statement for Relocation Trees Within ROW	Pre-Construction	January 6, 2016	January 19, 2016	B
231	SUB-15-00010-SWJ-150-A	Shop Drawing For Precast Manhole 1.20X1.20 m & 1.50×1.50 m	Shop Drawing	January 7, 2016	January 27, 2016	C
232	SUB-15-00010-SWJ-150-B	Shop Drawing For Precast Manhole 1.20X1.20 m & 1.50×1.50 m	Shop Drawing	February 11, 2016	February 23, 2016	A
233	SUB-15-00010-SWJ-151-A	Swellable Water Stop (SW10) Method Statement	Method Statement	January 9, 2016	January 27, 2016	C
234	SUB-15-00010-SWJ-151-B	Swellable Water Stop (SW10) Method Statement	Method Statement	February 8, 2016	February 23, 2016	C
236	SUB-15-00010-JLR-152-A	Shop Drawing for Retaining Wall for Jalqamus Reservoir	Shop Drawing	January 9, 2016	January 27, 2016	B
237	SUB-15-00010-JLR-152-B	Shop Drawing for Retaining Wall for Jalqamus Reservoir-For Construction	Shop Drawing	February 1, 2016	February 24, 2016	A
238	SUB-15-00010-ARR-153-A	At Grade 2000 m3 Arraba Reservoir Formwork Drawings	Shop Drawing	January 10, 2016	January 20, 2016	B
239	SUB-15-00010-KRR-154-A	Site Layout For Kafer Ra'i Reservoir	Shop Drawing	January 10, 2016	February 8, 2016	A
240	SUB-15-00010-SWJ-155-A	Welder's Qualification Testing Report	Pre-Construction	January 10, 2016	January 17, 2016	C
241	SUB-15-00010-SWJ-155-B	Welder's Qualification Testing Report	Pre-Construction	March 4, 2016	April 11, 2016	C
243	SUB-15-00010-SWJ-156-A	ArcEyes Lab - Welding and Welders Qualification Agency	Material-Mec	January 10, 2016	January 14, 2016	A
244	SUB-15-00010-SWJ-157-A	Radiographic Third Party Testing Lab-Morex & Gabi Shoef	Material-Mec	January 10, 2016	January 14, 2016	A
245	SUB-15-00010-SWJ-158-A	Pipe Heat Shrinkable Sleeve and Tape	Material-Mec	January 12, 2016	January 18, 2016	C
246	SUB-15-00010-SWJ-158-B	Pipe Heat Shrinkable Sleeve and Tape	Material-Mec	March 2, 2016	March 14, 2016	A
247	SUB-15-00010-SMT-159-A	Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10'') Plan, Profile & Typical SectionFrom STA. 1+600 - 3+647	Pre-Construction	January 13, 2016	January 27, 2016	B
248	SUB-15-00010-SMT-159-B	Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10'') Plan, Profile & Typical SectionFrom STA. 1+600 - 3+648-For Construction	Pre-Construction	January 31, 2016	February 16, 2016	A
249	SUB-15-00010-MTR-160-A	Geotechnical Inspection Report For Al Mutilla Reservoir	Pre-Construction	January 13, 2016	January 27, 2016	A
250	SUB-15-00010-JLR-161-A	At Grade 1000 m3 Jalqamus Reservoir Piping Plan & Sections	Material-Mec	January 13, 2016	February 3, 2016	C
251	SUB-15-00010-SWJ-162-A	Concrete Ready- Mix Design Class A1 & A3 (35.0MPa Cylinder)-Size 20mm	Pre-Construction	January 18, 2016	January 27, 2016	A
252	SUB-15-00010-SWJ-163-A	Concrete Ready-Mixes Design Class B20,B25 & B30 -Size 20mm	Pre-Construction	January 18, 2016	January 27, 2016	A

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
253	SUB-15-00010-KFR-164-A	Shop Drawing For Retaining Wall For Kuferit Reservoir	Shop Drawing	January 18, 2016	February 15, 2016	B
254	SUB-15-00010-KFR-164-B	Shop Drawing For Retaining Wall For Kuferit Reservoir-For Construction	Shop Drawing	February 17, 2016	March 6, 2016	B
255	SUB-15-00010-KFR-165-A	At Grade 500 m3 Kuferit Reservoir Structural Shop Drawings	Shop Drawing	January 19, 2016	February 1, 2016	C
256	SUB-15-00010-KFR-165-B	At Grade 500 m3 Kuferit Reservoir Structural Shop Drawings	Shop Drawing	February 16, 2016	February 29, 2016	B
257	SUB-15-00010-KFR-165-C	At Grade 500 m3 Kuferit Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 1, 2016	March 3, 2016	A
258	SUB-15-00010-AJR-166-A	At Grade 1000 m3 Ajja Reservoir Structural Shop Drawings	Shop Drawing	January 20, 2016	February 1, 2016	C
259	SUB-15-00010-AJR-166-B	At Grade 1000 m3 Ajja Reservoir Structural Shop Drawings	Shop Drawing	February 16, 2016	March 8, 2016	B
260	SUB-15-00010-AJR-166-C	At Grade 1000 m3 Ajja Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 9, 2016	March 13, 2016	A
261	SUB-15-00010-KRR-167-A	At Grade 1000 m3 Kafer Ra'i Reservoir Structural Shop Drawings	Shop Drawing	January 20, 2016	February 1, 2016	C
262	SUB-15-00010-KRR-167-B	At Grade 1000 m3 Kafer Ra'i Reservoir Structural Shop Drawings	Shop Drawing	February 24, 2016	February 29, 2016	B
263	SUB-15-00010-KRR-167-C	At Grade 1000 m3 Kafer Ra'i Reservoir Structural Shop Drawings-For Construction	Shop Drawing	March 2, 2016	March 3, 2016	A
264	SUB-15-00010-SWJ-168-A	Flash Beacon	Material-Elec	January 20, 2016	February 7, 2016	A
265	SUB-15-00010-SWJ-169-A	Earthing Manhole	Material-Elec	January 20, 2016	February 7, 2016	A
266	SUB-15-00010-SWJ-170-A	Dismantling Joints-PN16-25 (Alternative)	Material-Mec	January 20, 2016	February 7, 2016	A
267	SUB-15-00010-SWJ-171-A	Dismantling Joints-(Alternative)	Material-Mec	January 20, 2016	February 7, 2016	A
268	SUB-15-00010-SWJ-172-A	Steel Fence & Post for Reservoir and Booster Station- With Samples	Sample	January 21, 2016	February 7, 2016	C
269	SUB-15-00010-SWJ-172-B	Steel Fence & Post for Reservoir and Booster Station- With Samples	Sample	February 9, 2016	February 15, 2016	C
270	SUB-15-00010-SWJ-172-C	Steel Fence & Post for Reservoir and Booster Station- With Samples	Sample	March 10, 2016	March 17, 2016	A
271	SUB-15-00010-JLT-173-A	Dilapidation Survey-Jalqamus Transmission Pipeline	Pre-Construction	January 24, 2016	February 8, 2016	A
272	SUB-15-00010-KFR-174-A	Dilapidation Survey- Kuferit Reservoir	Pre-Construction	January 24, 2016	February 8, 2016	A
273	SUB-15-00010-SWJ-175-A	At Grade 1000 m3 Reservoir Form Work Drawings	Shop Drawing	January 24, 2016	February 1, 2016	B
274	SUB-15-00010-SWJ-176-A	Steel Pipes Schedule 40 (6"-8"-10")	Material-Mec	January 24, 2016	February 7, 2016	A
275	SUB-15-00010-SWJ-177-A	Alternative Bermad Combination Air Valve 2",3 " & 4"	Material-Mec	January 24, 2016	February 7, 2016	D
277	SUB-15-00010-SWJ-178-A	Flanged Ball Valves DN 50	Material-Mec	January 24, 2016	February 7, 2016	C
278	SUB-15-00010-SWJ-178-B	Flanged Ball Valves DN 51	Material-Mec	February 10, 2016	February 25, 2016	A
279	SUB-15-00010-SWJ-179-A	BCI 8m Mast for SCADA System	Material-Elec	January 24, 2016	February 15, 2016	A
280	SUB-15-00010-KFR-180-A	At Grade 500 m3 Kuferit Reservoir Formwork Drawings	Shop Drawing	January 24, 2016	February 1, 2016	B
281	SUB-15-00010-SWJ-181-A	SW Jenin RTU submittal	Material-elec	January 24, 2016	February 22, 2016	C
282	SUB-15-00010-SWJ-182-A	RCS submittal	Material-Elec	January 26, 2016	February 22, 2016	A
283	SUB-15-00010-SWJ-183-A	BCI qualification	Material-Elec	January 26, 2016	February 22, 2016	E
284	SUB-15-00010-AJR-184-A	Shop Drawing for Retaining Wall For Ajja Reservoir	Shop Drawing	January 26, 2016	February 16, 2016	B
285	SUB-15-00010-AJR-184-B	Shop Drawing for Retaining Wall For Ajja Reservoir-For Construction	Shop Drawing	February 16, 2016	March 14, 2016	B
286	SUB-15-00010-SWJ-185-A	Alternative for Relocation of Existing Pipes	Material-Mec	January 26, 2016	February 8, 2016	A

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
287	SUB-15-00010-SWJ-186-A	Testing Laboratory CV's Al Shamal Laboratory	Pre-Construction	January 27, 2016	February 16, 2016	A
288	SUB-15-00010-ARR-187-A	Shop Drawing of Relocation of Exciting Pipes for Arraba Reservoir	Shop Drawing	January 27, 2016	February 10, 2016	B
289	SUB-15-00010-TJT-188-A	Shop Drawings-Telfit - Jalqamus Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+136	Shop Drawing	January 27, 2016	February 10, 2016	B
290	SUB-15-00010-TJT-188-B	Shop Drawings-Telfit - Jalqamus Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+137-For Construction	Shop Drawing	February 17, 2016	February 25, 2016	C
292	SUB-15-00010-SWJ-189-A	Detour For Arraba Reservoir	Pre-Construction	January 27, 2016	February 1, 2016	C
293	SUB-15-00010-SWJ-189-B	Detour For Arraba Reservoir	Pre-Construction	February 3, 2016	February 7, 2016	A
294	SUB-15-0010-KRR-190-A	Shop Drawing for Retainig Wall for Kafer Ra'I Reservoir	Shop Drawing	January 27, 2016	February 15, 2016	C
295	SUB-15-0010-KRR-190-B	Shop Drawing for Retainig Wall for Kafer Ra'I Reservoir	Shop Drawing	March 30, 2016	April 7, 2016	B
296	SUB-15-00010-SWJ-191-A	Instrument Cable Equipment Submittal	Material-Mec	January 27, 2016	February 22, 2016	A
297	SUB-15-00010-SWJ-192-A	Precast Manholes 2.5 X 2 m Clear Dimension ADDASI Company Product	Material-Mec	January 27, 2016	February 23, 2016	C
298	SUB-15-00010-SWJ-192-B	Precast Manholes 2.5 X 2 m Clear Dimension ADDASI Company Product	Material-Mec	March 9, 2016	March 15, 2016	A
299	SUB-15-00010-SWJ-193-A	Seismic Cans – With Sample	Sample	January 28, 2016	February 15, 2016	A
300	SUB-15-00010-SWJ-194-A	Manhole Puddle Flange-With Sample	Sample	January 28, 2016	February 7, 2016	D
301	SUB-15-00010-SWJ-194-B	Manhole Puddle Flange-With Sample	Sample	February 15, 2016	February 25, 2016	C
302	SUB-15-00010-SWJ-194-C	Manhole Puddle Flange-With Sample	Sample	February 29, 2016	March 14, 2016	A
303	SUB-15-00010-JLR-195-A	Shop Drawing for Jalqamus Reservoir Access Road Plan, Profile & SectionsFrom STA. 0+000 – 0+190	Shop Drawing	January 31, 2016	February 23, 2016	B
304	SUB-15-00010-ARR-196-A	Arraba Feed Line Relocation	Shop Drawing	January 31, 2016	February 17, 2016	E
305	SUB-15-00010-SWJ-197-A	Adjustable Support for Pipes & Fittings Inside Chambers –Sample	Sample	January 31, 2016	February 11, 2016	D
306	SUB-15-00010-ARR-198-A	Geotechnical Inspection Report For Arraba Reservoir	Pre-Construction	January 31, 2016	February 22, 2016	E
307	SUB-15-00010-KFR-199-A	Traffic Plan Kuferit For Reservoir	Pre-Construction	February 1, 2016	February 23, 2016	A
308	SUB-15-00010-ARR-200-A	At Grade 2000 m3 Arraba Reservoir Earthing System & Site Layout Electrical Shop Drawings	Shop Drawing	February 2, 2016	February 29, 2016	B
309	SUB-15-00010-AJR-201-A	Modefied Layout for Ajja Reservoir	Shop Drawing	February 3, 2016		Retracted
310	SUB-15-00010-SWJ-202-A	Reservoir Access Man way Material	Material-Mec	February 3, 2016	February 11, 2016	C
311	SUB-15-00010-SWJ-202-B	Reservoir Access Man way Material	Material-Mec	February 15, 2016	February 25, 2016	A
312	SUB-15-00010-MTT-203-A	Dilapidation Survey-Al Mutilla Transmission PipeLine	pre-Construction	February 7, 2016	February 10, 2016	A
313	SUB-15-00010-SWJ-204-A	Alternative Electrical Conduits-Steel Pipes	Material-Elec	February 8, 2016	February 23, 2016	C
314	SUB-15-00010-SWJ-204-B	Alternative Electrical Conduits-Steel Pipes	Material-Elec	February 24, 2016	March 3, 2016	A
315	SUB-15-00010-SWJ-205-A	Radio path study	Material-Elec	February 8, 2016	February 23, 2016	E
316	SUB-15-00010-ARR-206-A	Arraba 2000m3 Reservoir Thimble Plan	Material-Mec	February 8, 2016		Retracted
317	SUB-15-00010-ARR-206-A	Arraba 2000m3 Reservoir Thimble Plan	Material-Mec	February 28, 2016	March 10, 2016	B

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
319	SUB-15-00010-KFR-207-A	Excavation Plan For Kufeirit Reservoir	Shop Drawing	February 9, 2016	February 25, 2016	B
320	SUB-15-00010-AJR-208-A	Ajja Reservoir Access Road Plan, Profile & Sections From STA. 0+000 – 0+240	Shop Drawing	February 9, 2016	February 17, 2016	B
321	SUB-15-00010-JLR-209 -A	Geotechnical Inspection Report For Jalqamus Reservoir	Pre-Construction	February 9, 2016	February 23, 2016	E
322	SUB-15-00010-ARR-210-A	Arraba 2000 m3 Reservoir Under Drain Plan	Shop Drawing	February 10, 2016	March 6, 2016	B
323	SUB-15-00010-ARR-210-B	Arraba 2000 m3 Reservoir Under Drain Plan	Shop Drawing	March 7, 2016	March 14, 2016	A
324	SUB-15-00010-SMT-211-A	Sanur Connection Champers Shop Drawings	Shop Drawing	February 11, 2016	March 6, 2016	C
325	SUB-15-00010-SMT-211-B	Sanur Connection Champers Shop Drawings	Shop Drawing	March 14, 2016	March 31, 2016	B
326	SUB-15-00010-SWJ-212-A	Booster Pump Flow Meter	Material-Elec	February 11, 2016	March 8, 2016	D
327	SUB-15-00010-SWJ-213-A	Reservoirs Flow Meter	Material-Elec	February 11, 2016	March 8, 2016	D
328	SUB-15-00010-SWJ-214-A	DC Flow Meter with GSM	Material-Elec	February 11, 2016	March 8, 2016	C
329	SUB-15-00010-JLR-215-A	At Grade 1000 m3 Jalqamus Reservoir Earthing and Steel Layout Electrical Shop Drawings	Shop Drawing	February 14, 2016	February 25, 2016	B
330	SUB-15-00010-JLR-216-A	Jalqamus 1000m3 Reservoir Thimble & Under Drain Plan	Material-Mec	February 14, 2016	March 6, 2016	B
331	SUB-15-00010-JLR-216-B	Jalqamus 1000m3 Reservoir Thimble & Under Drain Plan-for Construction	Material-Mec	March 9, 2016	March 24, 2016	A
332	SUB-15-00010-SWJ-217-A	Pressure transmitter submittal	Material-Elec	February 16, 2016	February 25, 2016	C
333	SUB-15-00010-SWJ-218-A	Level Transmitter submittal	Material-Elec	February 16, 2016	March 10, 2016	C
334	SUB-15-00010-SWJ-219-A	Receptacles & Switches	Material-Elec	February 16, 2016	March 6, 2016	B
335	SUB-15-00010-KRR-220-A	Traffic Plan for Kafer Ra'I Reservoir	Pre-Construction	February 17, 2016	February 25, 2016	A
336	SUB-15-00010-SWJ-221-A	Installation Testing of CP Reference Electrodes Test Station	Material-Mec	February 21, 2016	March 22, 2016	D
338	SUB-15-00010-SWJ-222-A	Stainless Steel Bolts and Nuts	Material-Mec	February 21, 2016	March 15, 2016	C
339	SUB-15-00010-SWJ-222-B	Stainless Steel Bolts and Nuts	Material-Mec	March 19, 2016	April 13, 2016	B
340	SUB-15-00010-SWJ-223-A	Flanged Ball Valve	Material-Mec	February 21, 2016	March 8, 2016	A
341	SUB-15-00010-TJT-224-A	Traffic Plan for Talfit Jalqamus Pipeline	Pre-Construction	February 21, 2016	March 8, 2016	B
342	SUB-15-00010-SMT-225-A	Sanur Meithalun Flow Monitoring Vault Shop Drawings	Shop Drawing	February 21, 2016	March 14, 2016	C
343	SUB-15-00010-SMT-225-B	Sanur Meithalun Flow Monitoring Vault Shop Drawings	Shop Drawing	March 17, 2016	April 5, 2016	C
345	SUB-15-00010-KFR-226-A	Dilapidation Survey For Kuferit Force Line	Pre-Construction	February 24, 2016	March 10, 2016	A
346	SUB-15-00010-SWJ-227-A	UPVC pipes and fittings	Material-Mec	February 24, 2016	March 8, 2016	A
347	SUB-15-00010-KRR-228-A	Proposed Site Layout for Kafer Ra'i Reservoir	Shop Drawing	February 24, 2016	March 15, 2016	B
348	SUB-15-00010-JLT-229-A	Shop Drawings Jalqamus- Umatut Force Line (6'') Plan, Profile & Typical Section From STA. 0+186 - to STA. 1+870	Shop Drawing	February 24, 2016	March 23, 2016	B
349	SUB-15-00010-JLT-229-B	Shop Drawings Jalqamus- Umatut Force Line (6'') Plan, Profile & Typical Section From STA. 0+186 - to STA. 1+871-For Construction	Shop Drawing	March 30, 2016	April 24, 2016	A
350	SUB-15-00010-KRR-230-A	At Grade 1000 m³ Kafer Ra'i Reservoir Earthing and Site Layout Electrical Shop Drawings	Shop Drawing	February 25, 2016	March 6, 2016	C

USAID WEST BANK - GAZA - INFRASTRUCTURE NEEDS PROGRAM II (INPII)

CONTRACT NO. AID-294-I-00-12-00002

TASK ORDER NO. AID-294-TO-15-00010

Southwest Jenin Water Project

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
351	SUB-15-00010-SWJ-231-A	760 mm Access Manway Fabrication Details	Material-Mec	February 28, 2016	March 13, 2016	A
352	SUB-15-00010-SWJ-232-A	SikaTop Seal 107 Material For Internal coating	Method Statement	February 29, 2016	March 21, 2016	C
353	SUB-15-00010-SWJ-232-B	SikaTop Seal 107 Material For Internal coating	Method Statement	March 24, 2016	April 7, 2016	E
354	SUB-15-00010-SWJ-233-A	PVC Water Stop (Supercast Watafoil 150) Method Statement	Method Statement	February 29, 2016	March 6, 2016	A
355	SUB-15-00010-KFR-234-A	At Grade 500 m³ Kuferit Reservoir Earthing and Site Layout Electrical Shop Drawings	Shop Drawing	March 2, 2016	March 14, 2016	C
356	SUB-15-00010-KRR-235-A	Dilapidation Survey(Kafer Ra'i Reservoir)	Pre-Construction	March 2, 2016	March 24, 2016	A
357	SUB-15-00010-AJR-236-A	Dilapidation Survey(Ajja Pipeline)	Pre-Construction	March 3, 2016	March 15, 2016	A
358	SUB-15-00010-SWJ-237-A	Swellable Water Stop (SW30) Method Statement	Method Statement	March 6, 2016	March 22, 2016	B
359	SUB-15-00010-JMT-238-A	Shop Drawings Jalqamus- Mughayyir Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+752	Shop Drawing	March 8, 2016	March 22, 2016	C
360	SUB-15-00010-JMT-238-B	Shop Drawings Jalqamus- Mughayyir Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 2+753	Shop Drawing	March 23, 2016	April 5, 2016	C
362	SUB-15-00010-KFR-239-A	Kuferit 500m3 Reservoir Thimble & Under Drain Plan	Material-Mec	March 9, 2016	March 15, 2016	B
363	SUB-15-00010-KFR-239-B	Kuferit 500m3 Reservoir Thimble & Under Drain Plan-For Construction	Material-Mec	March 20, 2016	April 5, 2016	B
364	SUB-15-00010-SWJ-240-A	Welder Qualifications (CV's and ID's)	Material-Mec	March 9, 2016	March 15, 2016	E
365	SUB-15-00010-AJR-241-A	At Grade 1000 m³ Ajja Reservoir Earthing and Site Layout Electrical Shop Drawings	Shop Drawing	March 9, 2016	March 21, 2016	C
366	SUB-15-00010-SWJ-242-A	250mm Gate Valve Chamber Mechanical Drawing	Material-Mec	March 13, 2016	March 22, 2016	C
367	SUB-15-00010-SWJ-242-B	250mm Gate Valve Chamber Mechanical Drawing	Material-Mec	March 27, 2016	April 7, 2016	B
369	SUB-15-00010-CHR-243-A	Chamber Rehabilitation Dilapidation Survey	Pre-Construction	March 13, 2016	March 22, 2016	C
371	SUB-15-00010-MTN-244-A	Al-Mutilla Network Dilapidation Survey	Pre-Construction	March 13, 2016	March 31, 2016	A
372	SUB-15-00010-JMT-245-A	Shop Drawings Mughayyir Al-Mutilla Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 1+685	Shop Drawing	March 14, 2016	March 23, 2016	C
373	SUB-15-00010-JMT-245-B	Shop Drawings Mughayyir Al-Mutilla Force Line (6'') Plan, Profile & Typical Section From STA. 0+000 - to STA. 1+686	Shop Drawing	March 31, 2016	April 24, 2016	C
374	SUB-15-00010-SWJ-246-A	Updated CPM Schedule Submittal February 29,2016	Pre-Construction	March 15, 2016	April 10, 2016	C
375	SUB-15-00010-AJR-247-A	Dilapidation Survey (Ajja Reservoir)	Pre-Construction	March 16, 2016	March 22, 2016	A
376	SUB-15-00010-KFR-248-A	Geotechnical Inspection Report For Kuferit Reservoir	Pre-Construction	March 17, 2016	March 22, 2016	E
377	SUB-15-00010-MTB-249-A	Main Distribution Board	Material-elec	March 20, 2016	March 28, 2016	C

USAID WEST BANK - GAZA - INFRASTRUCTURE NEEDS PROGRAM II (INPII)

CONTRACT NO. AID-294-I-00-12-00002

TASK ORDER NO. AID-294-TO-15-00010

Southwest Jenin Water Project

TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Description	Submittal Classification	Submitted Date	Response Date	Status
379	SUB-15-00010-SMT-250-A	Shop Drawings For Sanour-Meithalon Main Transmission Pipeline (10"+6")Plan, Profile & Typical Section(Meithalon Well) From STA. 0+000 - 0+134 (10")From STA. 0+000 - 0+086 (10"+6")	Shop Drawing	March 20, 2016	April 5, 2016	C
381	SUB-15-00010-AJR-251-A	Traffic Plan for Ajja Reservoir	Pre-Construction	March 23, 2016	April 14, 2016	A
382	SUB-15-00008-SWJ-252 -A	Temporary Storage Yard Location	Pre-Construction	March 24, 2016	April 10, 2016	C
384	SUB-15-00008-SWJ-253-A	Method Statement and Material for Internal Epoxy Coating	Method Statement	March 24, 2016	April 10, 2016	B
385	SUB-15-00008-SWJ-254-A	Traffic Control Plan Night Works	Pre-Construction	March 24, 2016	April 19, 2016	B
386	SUB-15-0010-MTB-255-A	Shop Drawing for Retaining Wall For Al-Mutilla Booster Pump	Shop Drawing	March 27, 2016	April 7, 2016	B
387	SUB-15-00010-MTR-256-A	Motorized Gate Valves	Material-Mec	March 27, 2016	April 11, 2016	D
388	SUB-15-00008ARR-257-A	Method Statement for Cast of Concrete for Reservoirs-Foundation and Walls	method Statement	March 27, 2016	April 19, 2016	B
389	SUB-15-00010-SMT-258	Meithalon Outlet Connection Chamber	Shop Drawing	March 27, 2016	April 26, 2016	E
390	SUB-15-00010-AJR-259-A	Ajja 1000 m3 Reservoir Thimble & Under Drain Plan	Material-Mec	March 28, 2016	April 19, 2016	C
392	SUB-15-00010-AJP-260-A	Shop Drawings Plan, Profile & Typical Section Ajja Force Line (8") From STA. 0+027 - 1+091 Ajja Feeder Line (8") From STA. 0+027 - 0+443	Shop Drawing	March 28, 2016	April 24, 2016	C
393	SUB-15-00010-AJR-261-A	Ajja Dump Area	Pre-Construction	March 29, 2016	April 21, 2016	A
394	SUB-15-00010-TJT-262-A	AUU Connection Chamber Shop Drawings	Shop Drawing	March 31, 2016	April 14, 2016	C
395	SUB-15-00010-TJT-263-A	TANIN Connection Chamber	Shop Drawing	March 31, 2016	April 24, 2016	C

Annex J – Request For Information Log

USAID FROM THE AMERICAN PEOPLE | WEST BANK/GAZA

Request For Information Log

No.	RFI No.	Project	Description	Submitted Date	Response Date
1	RFI-15-00010-SWJ-C-E-001	SWJ	Perforated Pipes arrangement under Reservoir's Foundation (Arraba, Jalqamus, Ajja and Kafer Ra'i)	December 24, 2015	January 13, 2016
2	RFI-15-00010-SWJ-C-E-002	SWJ	Arraba Reservoir Future Discharge Pipe	January 25, 2016	February 3, 2016
3	RFI-15-00010-ARR-C-E-003	SWJ	Relocation of 8"steel pipe at Arraba Reservoir	January 28, 2016	February 10, 2016
4	RFI-15-00010-SWJ-C-E-004	SWJ	Reservoir Float Level Switches & Hatches Intrusion Switches	February 2, 2016	February 28, 2016
5	RFI-15-00010-KFR-C-E-005	SWJ	Kuferit Reservoir Location	February 3, 2016	February 16, 2016
6	RFI-15-00010-JLR-C-E-006	SWJ	Jalqamous Reservoir Change in Foundation Level	February 3, 2016	February 28, 2016
7	RFI-15-00010-SWJ-C-E-007	SWJ	Control valves specification required	February 4, 2016	March 6, 2016
8	RFI-15-00010-KRR-C-E-008	SWJ	Differing Site Conditions -Kafeior Raie Existing pipe line.	February 18, 2016	March 6, 2016
9	RFI-15-00010-SWJ-C-E-009	SWJ	Flow Meters for Reservoir and Champers -System upgrade proposal	February 29, 2016	March 20, 2016
10	RFI-15-00010-SWJ-C-E-010	SWJ	Pressure rating for existing service connection champers	March 2, 2016	March 6, 2016
11	RFI-15-00010-SWJ-C-E-011	SWJ	Additional Documents-Flowmeter for Reservoirs and Chambers-System Upgrade proposal	March 13, 2016	March 23, 2016
12	RFI-15-00010-SWJ-C-E-012	SWJ	Dimension of Meithalun Well Inlet Connection Chamber.	March 21, 2016	April 24, 2016

Annex K - Letters and Correspondence with USAID

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	TMGI-15-00010-OUT-0001	Southwest Jenin Water Project - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 - Performance/Maintenance Bond	Ghassan Alami	Morganti	Sandy Sakran	USAID	October 23, 2015
2	TMGI-15-00010-OUT-0002	RE: Southwest Jenin Water Project - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 - Performance/Maintenance Bond	Ghassan Alami	Morganti	Sandy Sakran	USAID	October 25, 2015
3	TMGI-15-00010-OUT-0003	South West Jenin Reservoir and Pumping Facilities - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 - (0% VAT Exemption)	Ghassan Alami	Morganti	Kamal Kasbary	USAID	October 30, 2015
4	TMGI-15-00010-OUT-0004	South West Jenin Reservoir and Pumping Facilities - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 Subcontractor Profile - No Objection Request	Ghassan Alami	Morganti	Kamal Kasbary	USAID	October 30, 2015
5	TMGI-15-00010-OUT-0005	South West Jenin Reservoir and Pumping Facilities - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 Subcontractor Profile & Steel Pipe Supplier - Vetting Request	Ghassan Alami	Morganti	Kamal Kasbary	USAID	November 2, 2015
6	TMGI-15-00010-OUT-0006	SWJP- AID-294-TO-15-00010- Southwest Jenin Water Project - BCI Vetting Request	Ghassan Alami	Morganti	Kamal Kasbary	USAID	November 25, 2015
7	TMGI-15-00010-OUT-0007	RE: TO 15-00010 SWJ : Mobilization Works	Ghassan Alami	Morganti	Kamal Kasbary	USAID	November 27, 2015

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TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
8	TMGI-15-00010-OUT-0008	SWJ Work Start Announcement Flyer	Ghassan Alami	Morganti	Kamal Kasbary	USAID	November 28, 2015
9	TMGI-15-00010-OUT-0009	RE: SWJ - Insurances	Ghassan Alami	Morganti	Kamal Kasbary	USAID	November 29, 2015
10	TMGI-15-00010-OUT-0010	RE: SWJ Work Start Announcement Flyer	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 2, 2015
11	TMGI-15-00010-OUT-0011	RE: SWJ Work Start Announcement Flyer	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 2, 2015
12	TMGI-15-00010-OUT-0012	TO-15-10-SWJ: Construction Monthly Progress # 01 for November 2015	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 6, 2015
13	TMGI-15-00010-OUT-0013	RE: TO 15-0010 SWJ: Progress Meeting	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 7, 2015
14	TMGI-15-00010-OUT-0014	RE: TO-15-10-SWJ: Construction Monthly Progress # 01 for November 2015	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 16, 2015

USAID WEST BANK/GAZA
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OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
15	TMGI-15-00010-OUT-0015	RE: Task Order #15-00010, Key Personnel.	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 17, 2015
16	TMGI-15-00010-OUT-0016	RE: Key Personnel - Task Order 15-00010	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 17, 2015
17	TMGI-15-00010-OUT-0017	RE: TO-15-10-SWJ: Construction Monthly Progress # 01 for November 2015	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 17, 2015
18	TMGI-15-00010-OUT-0018	TO 15 00010 SWJ: Vetting Request for Sanad Construction Industries	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 26, 2015
19	TMGI-15-00010-OUT-0019	RE: TO 15 00010 SWJ: Vetting Request for Sanad Construction Industries	Ghassan Alami	Morganti	Kamal Kasbary	USAID	December 28, 2015
20	TMGI-15-00010-OUT-0020	TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	January 5, 2016
21	TMGI-15-00010-OUT-0020	TO 15 00010 SWJ: Vetting Request : Building Center, AL Shamal & Hijjawi	Ghassan Alami	Morganti	Kamal Kasbary	USAID	January 7, 2016

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CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
22	TMGI-15-00010-OUT-0021	RE: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015- Revised	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	January 19, 2016
23	TMGI-15-00010-OUT-0022	SWJP- AID-294-TO-15-00010- Southwest Jenin Water Project -Jenin Center Vetting Form	Ghassan Alami	Morganti	Kamal Kasbary	USAID	January 28, 2016
24	TMGI-15-00010-OUT-0023	RE: TO-15-10-SWJ: Construction Monthly Progress # 03 for January 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	February 4, 2016
25	TMGI-15-00010-OUT-0024	RE: Task Order #15-00010, CPM Schedule	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 5, 2016
26	TMGI-15-00010-OUT-0025	RE: SWJ - Pipeline bypass at Araba	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 5, 2016
27	TMGI-15-00010-OUT-0026	RE: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015- R3	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	February 8, 2016
28	TMGI-15-00010-OUT-0027	RE: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015- R3	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	February 9, 2016

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
29	TMGI-15-00010-OUT-0028	Southwest Jenin Water Project - Vetting Form-The Ahlia Insurance Group- Renewal	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 13, 2016
30	TMGI-15-00010-OUT-0029	FW: Vetting Request and Approval Logs-Last Updated February 7, 2016 / GAZI, GAZII & SWJ	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 17, 2016
31	TMGI-15-00010-OUT-0030	TO-15-00010-SWJ-Vetting Request Renewal - Future Iron Pipes	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 18, 2016
32	TMGI-15-00010-OUT-0031	RE: SWJ - Task Order Manager	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 21, 2016
33	TMGI-15-00010-OUT-0032	FW: Vetting Request and Approval Logs-Last Updated February 7, 2016 / GAZI, GAZII & SWJ	Ghassan Alami	Morganti	Kamal Kasbary	USAID	February 22, 2016
34	TMGI-15-00010-OUT-0033	RE: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	February 22, 2016
35	TMGI-15-00010-OUT-0034	TO 15-10 SWJ -- SWJ Donation Request	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	March 21, 2016

USAID WEST BANK/GAZA
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Southwest Jenin Water Project

OUTGOING EMAILS LOG

No.	DC No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
36	TMGI-15-00010-OUT-0035	RE: TO-15-00010-SWJ: Daily Report- Feb 1 to 10, 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	March 22, 2016
37	TMGI-15-00010-OUT-0036	RE: SWJ - Monthly Progress Report No.3 , January , 2016	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	March 27, 2016
38	TMGI-15-00010-OUT-0037	RE: TO 15-10 SWJ -- SWJ Donation Request- Revised	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	March 28, 2016
39	TMGI-15-00010-OUT-0038	RE: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Tharwat Abu Baker	Morganti	Kamal Kasbary	USAID	March 30, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	TMGI-15-00010-IN-0001	Re: South West Jenin Reservoir and Pumping Facilities - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 - (0% VAT Exemption)	Kamal Kasbary	USAID	Ghassan Alami	Morganti	October 30, 2015
2	TMGI-15-00010-IN-0002	Re: South West Jenin Reservoir and Pumping Facilities - SWJP AID-294-I-00-12-00002 - AID-294-TO-15-00010 Subcontractor Profile & Steel Pipe Supplier - Vetting Request	Kamal Kasbary	USAID	Ghassan Alami	Morganti	November 5, 2015
3	TMGI-15-00010-IN-0003	Re: TO 15-00010 SWJ : Mobilization Works	Kamal Kasbary	USAID	Ghassan Alami	Morganti	November 29, 2015
4	TMGI-15-00010-IN-0004	Re: SWJ Work Start Announcement Flyer	Kamal Kasbary	USAID	Ghassan Alami	Morganti	December 2, 2015
5	TMGI-15-00010-IN-0005	Re: TO 15 00010 SWJ: Vetting Request for Sanad Construction Industries	Kamal Kasbary	USAID	Ghassan Alami	Morganti	December 28, 2015

USAID WEST BANK/ GAZA
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Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
6	TMGI-15-00010-IN-0006	Re: TO 15 00010 SWJ: Vetting Request for Sanad Construction Industries	Kamal Kasbary	USAID	Ghassan Alami	Morganti	December 30, 2015
7	TMGI-15-00010-IN-0007	Re: TO 15 00010 SWJ: Vetting Request : Building Center, AL Shamal & Hijjawi	Kamal Kasbary	USAID	Ghassan Alami	Morganti	January 13, 2016
8	TMGI-15-00010-IN-0008	Re: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015- Revised	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 1, 2016
9	TMGI-15-00010-IN-0009	Re: SWJP- AID-294-TO-15-00010- Southwest Jenin Water Project -Jenin Center Vetting Form	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 2, 2016
10	TMGI-15-00010-IN-0010	Re: Task Order #15-00010, CPM Schedule	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 5, 2016

USAID WEST BANK/ GAZA
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CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
11	TMGI-15-00010-IN-0011	Re: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015- R3	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 9, 2016
12	TMGI-15-00010-IN-0012	Re: TO-15-10-SWJ: Construction Monthly Progress # 03 for January 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 10, 2016
13	TMGI-15-00010-IN-0013	Re: FW: Vetting Request and Approval Logs-Last Updated February 7, 2016 / GAZI, GAZII & SWJ	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 22, 2016
14	TMGI-15-00010-IN-0014	Re: SWJ - Task Order Manager	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 22, 2016
15	TMGI-15-00010-IN-0015	Re: SWJ - Task Order Manager	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 22, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
16	TMGI-15-00010-IN-0016	Re: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 24, 2016
17	TMGI-15-00010-IN-0017	Re: SWJ - Task Order Manager	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 25, 2016
18	TMGI-15-00010-IN-0018	SWJ - Monthly Reports	Kamal Kasbary	USAID	Ghassan Alami	Morganti	February 26, 2016
19	TMGI-15-00010-IN-0019	RE: SWJ - Monthly Reports	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 27, 2016
20	TMGI-15-00010-IN-0020	RE: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015rev	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 27, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
21	TMGI-15-00010-IN-0021	Re: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015rev	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 29, 2016
22	TMGI-15-00010-IN-0022	Re: FW: Vetting Request and Approval Logs-Last Updated February 7, 2016 / GAZI, GAZII & SWJ	Kamal Kasbary	USAID	Ghassan Alami	Morganti	March 1, 2016
23	TMGI-15-00010-IN-0023	Re: TO-15-00010-SWJ-Vetting Request Renewal - Future Iron Pipes	Kamal Kasbary	USAID	Ghassan Alami	Morganti	March 2, 2016
24	TMGI-15-00010-IN-0024	Monthly Report GEO-MIS reporting summary sheet	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	February 29, 2016
25	TMGI-15-00010-IN-0025	Re: TO-15-10-SWJ: Construction Monthly Progress # 02 for December 2015	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 8, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
26	TMGI-15-00010-IN-0026	Re: SWJ - Monthly Progress Report No.3 , January , 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 8, 2016
27	TMGI-15-00010-IN-0027	Re: SWJ - Monthly Progress Report No.3 , January , 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 8, 2016
28	TMGI-15-00010-IN-0028	SWJ - Permits for Gaza holders	Kamal Kasbary	USAID	Ghassan Alami	Morganti	March 16, 2016
29	TMGI-15-00010-IN-0029	Re: TO 15-10 SWJ -- SWJ Donation Request	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 21, 2016
30	TMGI-15-00010-IN-0030	Re: TO-15-00010-SWJ: Daily Report- Feb 1 to 10, 2016	Kamal Kasbary	USAID	Siag, Abe; Tharwat Abu Baker	Morganti & BV	March 22, 2016

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
31	TMGI-15-00010-IN-0031	Fwd: TO 15-00010 SWJ: Contractor's Monthly Progress Report #03 Comments	Kamal Kasbary	USAID	Siag, Abe; Tharwat Abu Baker	Morganti & BV	March 22, 2016
32	TMGI-15-00010-IN-0032	Re: SWJ - Monthly Progress Report No.3 , January , 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 24, 2016
33	TMGI-15-00010-IN-0033	Re: SWJ - Monthly Progress Report No.3 , January , 2016	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 28, 2016
34	TMGI-15-00010-IN-0034	Re: SWJ-TO-15-00010-Vetting Request- S.aL Technologies	Kamal Kasbary	USAID	Ghassan Alami	Morganti	March 29, 2016
35	TMGI-15-00010-IN-0035	Re: TO 15-10 SWJ -- SWJ Donation Request- Revised	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 29, 2016

USAID WEST BANK/ GAZA
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CONTRACT NO. AID-294-I-00-12-00002
TASK ORDER NO. AID-294-TO-15-00010
Southwest Jenin Water Project

INCOMING EMAILS LOG

No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
36	TMGI-15-00010-IN-0036	Re: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Kamal Kasbary	USAID	Tharwat Abu Baker	Morganti	March 30, 2016
37	TMGI-15-00010-IN-0037	Re: TO 15-10 SWJ -- SWJ Donation List of Suppliers	Kamal Kasbary	USAID	Ghassan Alami	Morganti	March 30, 2016

Annex L - Payments schedule

Progress payment schedule :

Payment No.	Description	Submitted Date	Amount	Amount Received	Date Received
PAY-15-00010-SWJ-001	Mobilization payment	December 28, 2015	$ 474,264.13	$ 474,264.13	January 08, 2016
PAY-15-00010-SWJ-002	Progress payment # 2	March 15,2016	$ 146,137.27	$ 146,137.27	March 30,2016

Annex M – Geo MIS Data

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temporary Job Days Summary Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: October 26, 2015
PERIOD TO: April 30, 2016

Date		Task Order Component									Total Job Days	*No. of Full Time Equivalent (FTE) Jobs in a month*	Segregation by Gender (days)		Notes / comments
		Site staff Job days **													
Month	Year	Kuferit Reservoir	Ajja Reservoir	Jalqamus Reservoir	Kafer Ra'a Reservoir	Arraba Reservoir	Al Mutilla Reservoir and booster station	Sanur Maythaloun Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations			Female	Male	
October	2015	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.000	10.00	0.42	0.00	10.00	
November	2015	16.375	13.375	14.375	13.375	14.375	14.375	17.375	13.250	0.125	117.00	4.92	0.00	117.00	
December	2015	48.375	48.000	62.125	47.125	54.125	93.375	46.375	46.375	45.625	491.50	20.65	39.00	452.50	
January	2016	72.000	71.125	161.625	75.625	117.625	121.125	70.625	70.125	70.125	830.00	34.87	52.00	778.00	
February	2016	68.000	15.875	206.625	47.000	225.000	208.250	41.500	40.625	40.500	893.38	37.54	48.00	845.38	
March	2016	200.250	37.625	270.875	47.250	365.875	222.500	40.625	35.375	35.750	1256.13	52.78	53.75	1202.38	
April	2016	271.625	111.125	342.125	46.250	355.500	257.250	63.750	49.625	35.625	1532.875	64.407	50.00	1482.88	
May	2016										0	0.000			
June	2016										0	0.000			
July	2016										0	0.000			
August	2016										0	0.000			
September	2016										0	0.000			
Subtotal FY 2016		677.750	298.250	1058.875	277.750	1133.625	918.000	281.375	256.500	228.750	5130.88	215.58	242.75	4888.13	
October	2016										0	0.000			
November	2016										0	0.000			
December	2016										0	0.000			
January	2017										0	0.000			
February	2017										0	0.000			
Subtotal FY 2017		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Grand Total		**677.750**	**298.250**	**1058.875**	**277.750**	**1133.625**	**918.000**	**281.375**	**256.500**	**228.750**	**5130.88**	**215.58**	**242.75**	**4888.13**	

Main Transmission's & local Networks: Include the followings:

Kuferit Main Transmission Pipeline
Ajja Force Main and Feeder Pipeline
Telfit-Jalqamous and Jalqamus Umatut Force Line
Jalqamus Al Mughayyir and Al Mughayyir Al Mutilla Force Main and Al Mutilla Distribution System

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
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM:October 26, 2015
PERIOD TO: October 31, 2015

Date	Task Order Component									Total Job Days	Segregation by Gender "Day"		Notes / comments
	Site staff Job hours **												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
October 26, 2015	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	2	0	2	
October 27, 2015	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	2	0	2	
October 28, 2015	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	2	0	2	
October 29, 2015	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	2	0	2	
October 30, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
October 31, 2015	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	2	0	2	
Total hours	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**8**				
Total Days	**1.125**	**1.125**	**1.125**	**1.125**	**1.125**	**1.125**	**1.125**	**1.125**	**1**	**10**	**0**	**10**	

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

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

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
November 1, 2015	2	2	2	2	2	2	2	2	0	2	0	2	
November 2, 2015	2	2	2	2	2	2	2	2	0	2	0	2	
November 3, 2015	2	2	2	2	2	2	2	2	0	2	0	2	
November 4, 2015	2	2	2	2	2	2	2	2	0	2	0	2	
November 5, 2015	2	2	2	2	2	2	2	2	0	2	0	2	
November 6, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
November 7, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 8, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 9, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 10, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 11, 2015	2	2	10	2	2	10	2	2	0	4	0	4	
November 12, 2015	2	2	2	2	2	2	18	2	0	4	0	4	
November 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
November 14, 2015	2	2	2	2	2	2	18	2	0	4	0	4	
November 15, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 16, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 17, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 18, 2015	4	4	4	4	4	4	4	4	0	4	0	4	
November 19, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
November 21, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 22, 2015	12	4	4	4	12	4	4	4	0	6	0	6	
November 23, 2015	20	4	4	4	4	4	4	4	0	6	0	6	
November 24, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 25, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 26, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
November 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
November 28, 2015	5	5	5	5	5	5	5	5	0	5	0	5	
November 29, 2015	6	6	6	6	6	6	6	6	0	6	0	6	

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

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

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
November 30, 2015	6	6	6	6	6	6	6	6	0	6	0	6	
Corrections	2	2	2	2	2	2	2	1	1	2		2	
Total Hours	**131**	**107**	**115**	**107**	**115**	**115**	**139**	**106**	**1**				
Total Days	**16.375**	**13.375**	**14.375**	**13.375**	**14.375**	**14.375**	**17.375**	**13.25**	**0.125**	**117**	**0**	**117**	

USAID WEST BANK/ GAZA
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CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

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

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
December 1, 2015	8	6	6	6	6	6	6	6	6	7	0	7	
December 2, 2015	8	7	7	7	7	7	7	7	7	8	0	8	
December 3, 2015	8	7	7	7	7	7	7	7	7	8	0	8	
December 4, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
December 5, 2015	7	8	7	7	7	7	7	7	7	8	0	8	
December 6, 2015	9	9	9	9	9	9	9	9	8	10	1	9	
December 7, 2015	9	9	9	9	9	9	9	9	8	10	1	9	
December 8, 2015	13	13	13	13	12	12	12	12	12	14	1	13	
December 9, 2015	12	12	12	12	13	13	13	13	12	14	1	13	
December 10, 2015	12	12	12	12	13	13	13	13	12	14	1	13	
December 11, 2015	0	0	0	0	0	0	0	0	0	0	0	0	
December 12, 2015	13	13	13	13	12	12	12	12	12	14	1	13	
December 13, 2015	14	14	14	13	13	13	13	13	13	15	1	14	
December 14, 2015	17	17	17	17	17	17	17	17	16	19	2	17	
December 15, 2015	13	13	13	13	12	12	12	12	12	14	2	12	
December 16, 2015	11	11	18	11	11	18	11	11	10	14	2	12	
December 17, 2015	13	13	13	13	12	37	12	12	12	17.125	2	15.125	
December 18, 2015	6	6	6	5	5	5	5	5	5	6	0	6	
December 19, 2015	15	15	14	14	14	78	14	14	14	24	2	22	
December 20, 2015	16	16	48	16	16	15	15	15	15	21.5	2	19.5	
December 21, 2015	16	16	48	16	17	49	17	17	16	26.5	2	24.5	
December 22, 2015	17	17	35	17	16	48	16	16	16	24.75	2	22.75	
December 23, 2015	19	19	18	18	18	18	18	18	18	20.5	2	18.5	
December 24, 2015	17	17	17	18	18	18	17	17	17	19.5	2	17.5	
December 25, 2015	6	6	6	5	5	5	5	5	5	6	0	6	
December 26, 2015	18	18	18	19	19	18	18	18	18	20.5	2	18.5	
December 27, 2015	19	19	18	18	18	50	18	18	18	24.5	2	22.5	
December 28, 2015	17	17	17	16	52	56	16	16	17	28	2	26	
December 29, 2015	18	18	18	17	27	65	17	17	17	26.75	2	24.75	
December 30, 2015	17	17	45	17	29	65	18	18	18	30.5	2	28.5	

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

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

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
December 31, 2015	19	19	19	19	19	65	17	17	17	26.375	2	24.375	
Total Hours	**387**	**384**	**497**	**377**	**433**	**747**	**371**	**371**	**365**				
Total Days	**48.375**	**48**	**62.125**	**47.125**	**54.125**	**93.375**	**46.375**	**46.375**	**45.625**	**491.5**	**39**	**452.5**	

USAID WEST BANK/ GAZA
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CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: January 01, 2016
PERIOD TO: January 31, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
January 1, 2016	6	6	6	5	5	5	5	5	5	6	0	6	
January 2, 2016	18	18	18	19	27	66	18	18	18	27.5	2	25.5	
January 3, 2016	19	19	19	19	19	76	19	19	19	28.5	2	26.5	
January 4, 2016	19	19	19	19	52	52	19	19	19	29.625	2	27.625	
January 5, 2016	28	20	53	21	37	45	20	20	20	33	2	31	
January 6, 2016	20	20	20	52	44	52	20	20	20	33.5	2	31.5	
January 7, 2016	22	22	64	22	22	22	22	21	21	29.75	2	27.75	
January 8, 2016	7	7	7	7	7	7	6	6	6	7.5	0	7.5	
January 9, 2016	19	19	59	19	53	20	19	19	19	30.75	2	28.75	
January 10, 2016	19	19	59	19	72	20	19	19	19	33.125	2	31.125	
January 11, 2016	22	22	62	22	54	22	22	21	21	33.5	2	31.5	
January 12, 2016	20	20	60	20	76	20	20	20	20	34.5	2	32.5	
January 13, 2016	25	25	25	25	80	24	24	24	24	34.5	2	32.5	
January 14, 2016	21	22	70	22	21	21	21	21	21	30	2	28	
January 15, 2016	8	8	8	8	8	8	8	8	8	9	0	9	
January 16, 2016	21	21	70	22	38	47	21	21	21	35.25	2	33.25	
January 17, 2016	21	21	70	21	38	46	21	21	21	35	2	33	
January 18, 2016	20	20	69	21	21	29	20	20	20	30	2	28	
January 19, 2016	19	19	19	19	19	19	18	18	18	21	2	19	
January 20, 2016	22	22	70	22	23	23	22	22	22	31	2	29	
January 21, 2016	22	22	70	22	23	23	22	22	22	31	2	29	
January 22, 2016	8	8	8	8	8	8	8	8	8	9	0	9	
January 23, 2016	21	21	70	22	40	40	22	21	21	34.75	2	32.75	
January 24, 2016	19	19	20	19	20	20	19	19	19	21.75	2	19.75	
January 25, 2016	20	20	20	20	20	20	20	20	20	22.5	2	20.5	
January 26, 2016	17	17	18	17	18	34	17	17	17	21.5	2	19.5	
January 27, 2016	22	22	22	22	22	70	22	21	21	30.5	2	28.5	

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CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: January 01, 2016
PERIOD TO: January 31, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks, note below	Chambers rehabilitations		Female	Male	
January 28, 2016	21	21	86	21	22	30	21	21	21	33	2	31	
January 29, 2016	8	8	8	8	8	8	8	8	8	9	0	9	
January 30, 2016	21	21	62	21	22	62	21	21	21	34	2	32	
January 31, 2016	21	21	62	21	22	30	21	21	21	30	2	28	
Total Hours	**576**	**569**	**1293**	**605**	**941**	**969**	**565**	**561**	**561**				
Total Days	**72.00**	**71.125**	**161.625**	**75.625**	**117.625**	**121.125**	**70.625**	**70.125**	**70.125**	**830**	**52**	**778**	

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TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: February 01, 2016
PERIOD TO: February 29, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks	Chambers rehabilitations		Female	Male	
February 1, 2016	16	0	77	16	57	42	16	16	16	32	2	30	
February 2, 2016	16	0	77	16	89	74	16	16	16	40	2	38	
February 3, 2016	16	0	77	16	89	66	16	16	16	39	2	37	
February 4, 2016	9	1	46	9	30	67	10	10	10	24	2	22	
February 5, 2016	3	3	11	3	11	11	2	2	2	6	0	6	
February 6, 2016	6	1	27	7	28	24	6	6	5	13.75	0	13.75	
February 7, 2016	13	0	34	13	34	31	13	13	13	20.5	2	18.5	
February 8, 2016	16	3	77	16	45	114	15	15	15	39.5	2	37.5	
February 9, 2016	15	3	64	15	44	105	14	14	14	36	2	34	
February 10, 2016	15	3	60	15	56	113	14	14	14	38	2	36	
February 11, 2016	15	4	57	13	67	37	13	13	13	29	2	27	
February 12, 2016	4	8	10	4	26	8	4	4	4	9	0	9	
February 13, 2016	12	1	55	12	67	77	12	12	12	32.5	2	30.5	
February 14, 2016	12	1	55	12	67	77	12	12	12	32.5	2	30.5	
February 15, 2016	14	1	57	14	65	79	14	14	14	34	2	32	
February 16, 2016	17	4	73	17	69	79	15	15	15	38	2	36	
February 17, 2016	17	4	67	17	69	79	15	15	15	37.25	2	35.25	
February 18, 2016	16	4	56	16	45	42	14	14	14	27.625	2	25.625	
February 19, 2016	8	8	6	8	28	8	2	2	2	9	0	9	
February 20, 2016	16	4	56	16	72	46	14	14	14	31.5	2	29.5	
February 21, 2016	18	4	70	16	80	42	14	14	14	34	2	32	
February 22, 2016	25	6	92	18	63	18	12	11	11	32	2	30	
February 23, 2016	41	6	70	14	115	76	12	11	11	44.5	2	42.5	
February 24, 2016	22	10	75	13	102	85	11	10	10	42.25	2	40.25	
February 25, 2016	28	10	73	13	84	83	11	10	10	40.25	2	38.25	
February 26, 2016	8	8	6	8	28	8	2	2	2	9	0	9	
February 27, 2016	42	10	51	13	92	73	11	10	10	39	2	37	
February 28, 2016	54	10	117	13	68	35	11	10	10	41	2	39	
February 29, 2016	50	10	57	13	110	67	11	10	10	42.25	2	40.25	
Total Hours	**544**	**127**	**1653**	**376**	**1800**	**1666**	**332**	**325**	**324**				
Total Days	**68.00**	**15.875**	**206.625**	**47**	**225**	**208.25**	**41.5**	**40.625**	**40.5**	**893.375**	**48**	**845.375**	

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TASK ORDER NO.: AID-294-TO-15-00010
TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: March 01, 2016
PERIOD TO: March 31, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks	Chambers rehabilitations		Female	Male	
March 1, 2016	50	10	91	13	108	67	11	10	10	46.25	2	44.25	
March 2, 2016	54	10	73	13	108	75	11	10	10	45.5	2	43.5	
March 3, 2016	34	10	67	13	102	87	11	10	10	43	2	41	
March 4, 2016	8	8	6	8	30	6	2	2	2	9	0	9	
March 5, 2016	34	10	59	13	102	79	11	10	10	41	2	39	
March 6, 2016	44	10	83	13	104	29	11	10	10	39.25	2	37.25	
March 7, 2016	44	10	83	13	94	85	11	10	10	45	2	43	
March 8, 2016	52	10	91	13	102	85	11	10	10	48	2	46	
March 9, 2016	44	10	83	13	105	85	11	10	10	46.375	2	44.375	
March 10, 2016	56	10	83	13	106	85	11	10	10	48	2	46	
March 11, 2016	8	8	6	8	28	8	2	2	2	9	0	9	
March 12, 2016	65	1	82	9	75	59	8	8	11	39.75	1.75	38	
March 13, 2016	78	10	77	13	104	45	11	10	10	44.75	2	42.75	
March 14, 2016	76	10	69	13	112	31	11	10	10	42.75	2	40.75	
March 15, 2016	31	10	28	12	35	28	10	9	9	21.5	2	19.5	
March 16, 2016	29	10	28	12	35	30	10	9	9	21.5	2	19.5	
March 17, 2016	38	10	69	13	96	71	11	10	10	41	2	39	
March 18, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
March 19, 2016	62	10	69	13	128	31	11	10	10	43	2	41	
March 20, 2016	70	10	53	13	128	79	11	10	10	48	2	46	
March 21, 2016	70	10	69	13	112	87	11	10	10	49	2	47	
March 22, 2016	79	10	102	14	97	96	12	11	11	54	2	52	
March 23, 2016	79	10	118	14	121	80	12	11	11	57	2	55	
March 24, 2016	71	10	86	14	121	80	12	11	11	52	2	50	
March 25, 2016	4	4	6	4	6	6	2	2	2	4.5	0	4.5	
March 26, 2016	71	10	86	14	153	72	12	11	11	55	2	53	
March 27, 2016	71	10	86	14	121	40	12	11	11	47	2	45	
March 28, 2016	31	10	30	14	37	32	12	11	11	23.5	2	21.5	
March 29, 2016	79	10	94	14	161	80	12	11	11	59	2	57	

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TASK ORDER SHORT NAME: SWJ
Temproray Job Days Report

Task Order Name: Southwest Jenin Water Project
Contractor : The Morganti Group, Inc.
Sub-Contractor: Saqqa & Khoudary Co. Ltd.

PERIOD FROM: March 01, 2016
PERIOD TO: March 31, 2016

Date	Task Order Component									Total Job Days	Segregation by Gender		Notes / comments
	Site staff Job hours												
Month	Kuferit Reservoir	Ajja Reservor	Jalqamous Reservoir	Kafer Ra'a Resevoir	Arraba Reservoir	Al Matilla Reservoir and booster station	Sanur Meithalon Main Transmission Pipeline	Main Transmission's and Local Networks	Chambers rehabilitations		Female	Male	
March 30, 2016	87	18	134	14	145	40	20	11	11	60	2	58	
March 31, 2016	79	18	150	14	145	96	20	11	11	68	2	66	
Total Hours	**1602**	**301**	**2167**	**378**	**2927**	**1780**	**325**	**283**	**286**				
Total Days	**200.25**	**37.625**	**270.875**	**47.25**	**365.875**	**222.5**	**40.625**	**35.375**	**35.75**	**1256.125**	**53.75**	**1202.375**	