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

Task Order No: AID-294-TO-15-00009

Construction of Reservoirs and Pumping Facilities Package II

MONTHLY PROGRESS REPORT

Prepared by: The Morganti Group, Inc.
September, 2016

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

Task Order No: AID-294-TO-15-00009

Construction of Reservoirs and Pumping Facilities Package II

Construction Monthly Progress Report

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

Contractor: The Morganti Group, Inc.

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MONTHLY PROGRESS REPORT NO. 11

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1. Abbreviation

CD	Calendar Day
CE	Chief Engineer
CEng	Contracts Engineer
CMC	Construction Management Contractor
CMWU	Coastal Municipalities Water Utility
CO	Contracting Officer
COB	Close of Business
COP	Chief of Party
COR	Contracting Officer Representative
CQC	Contractor Quality Control
CQCP	Contractor Quality Control Program
CRMP	Construction Risk Management Plan
CV	Curriculum Vita
DCL	District Civil Liaison
FO	Field Order
GRAMMS	Gaza Reconstruction and Material Monitoring System
HR	High Risk
HSE	Health and Safety Engineer
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	The Occupational Safety and Health Administration
PA	Palestinian Authority
PCO	Project Control Officer
PIO	Public Information Officer
PM	Project Manager
PSU	Program Support Unit
PWA	Palestinian Water Authority
QA	Quality Assurance
QC	Quality Control
RE	Resident Engineers
RFI	Request for Information
RFTOP	Request for Task Order Proposal
SAK	Saqqa and Khoudary
SC	Sub-Contractor
SECO	Safety & Environmental Compliance Officer
SOP	Standard Operating Procedure
TMGI	The Morganti group Inc.
TO	Task Order
TOL	Task Order Leader
TOM	Task Order Manager
USAID	United States Agency for International Development
USG	United States Government
VO	Variation Order
VOR	Variation Order Request
WBG	West Bank Gaza

2. Task Order Overview

2.1 Description of the Task Order

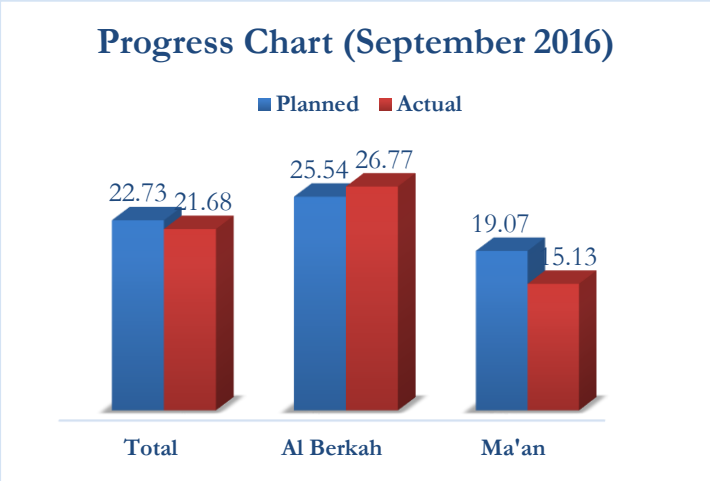
Infrastructure in Gaza suffers from years of neglect and lack of investment. The USAID Mission Infrastructure Needs Program II (INP II) focuses on the rehabilitation and construction of roads, schools, and water & wastewater projects. The USAID objective is to help the Palestinian economy by improving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

The objective of this Task Order is to construct two new water reservoirs, two new booster pump stations, and their associated supply and distribution pipelines, in order to improve distribution and increase access to clean drinking water to the population of Gaza.

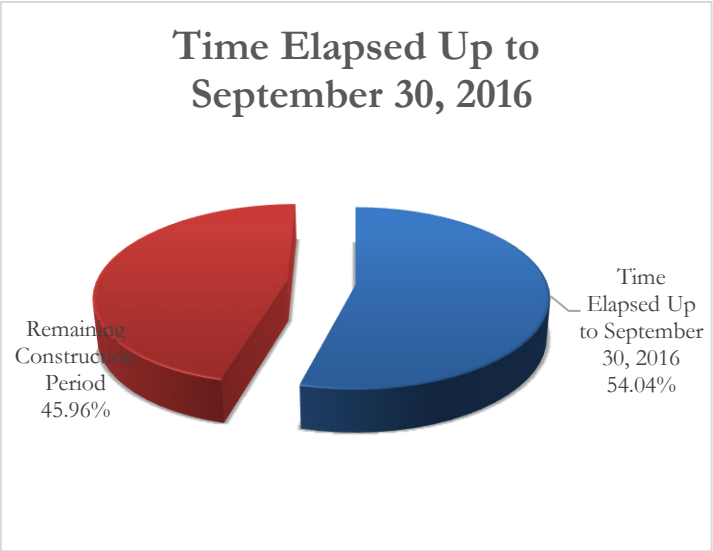
The first area is Al Berkah, located in the Middle Area in Gaza Strip, the Al Berkah project includes the construction of a 3800m^3 ground reservoir and a new Booster Pump Station connected to a new UPVC distribution network with an approximate total length of 2.6 KLM varying in diameter. The second is Ma'an area located south of the Gaza Strip in Khan Younis, the project at Ma'an area includes the construction of a 3800m^3 ground reservoir, and a new Booster Pump Station connected to a new UPVC distribution network varying in diameter.

2.2 Projects General Information

Task Order Name:	Gaza- Construction of Reservoirs and Pumping Facilities Package II
Indefinite Quantity Contract No	AID-294-I-00-12-00002
Task Order No	AID-294-TO-15-00009
Employer	USAID
Contractor	The Morganti Group Inc.
Engineer / CMC	Black & Veatch
Award Date	September 21, 2015
NTP Date	October 26, 2015
Task Order Completion Date	June 26, 2017
Modified Completion Date:	July 17, 2017
Contract Value	$ 7,391,946.47
BOQ Line Item Amount	$ 6,941,946.47
Day Work Amount	$ 450,000
Modified Projects Total Value	----
Modified BOQ Line Item Amount	$ 7,050,212.07
Modified Day Work	$341,734.40
Contractual Period of Performance:	610 Calendar Days
Modified Period of Performance:	631 Calendar Days
Time Elapsed up to September 30, 2016	341 Days
Percentage of time elapsed	54.04%



Planned and Actual Progress Percentages are based on Approved Revised CPM schedule as per VO1



2.3 Key Personal (shared among 2 projects)

NO.	Name	Position
1	Ahmed Sharief	Task Order Manager
2	Sameer Khaldi	Quality Control Manager
3	Mohamad Alwadiah	Safety & Environmental Compliance Officer
4	Alaa Nakhalla	Project Control Engineer
5	Ghazi Buhaisi	Surveyor

3. Scope of Work:

3.1 Project 01: Construction of Al Berkah Reservoir and Pumping Facilities:

3.1.1 Project Description

The Gaza Reservoir and Pumping Facilities project provides bulk water storage, disinfection, blending, and pumping facilities and includes supply water line 1 UPVC 160 mm dia. and 0.807 km length, line 2 UPVC 280 mm dia. and 0.661 km, distribution line UPVC 400mm with 0.1 km length and 355 mm with length 1.28 km

3.1.2 Statement of Work (SOW)

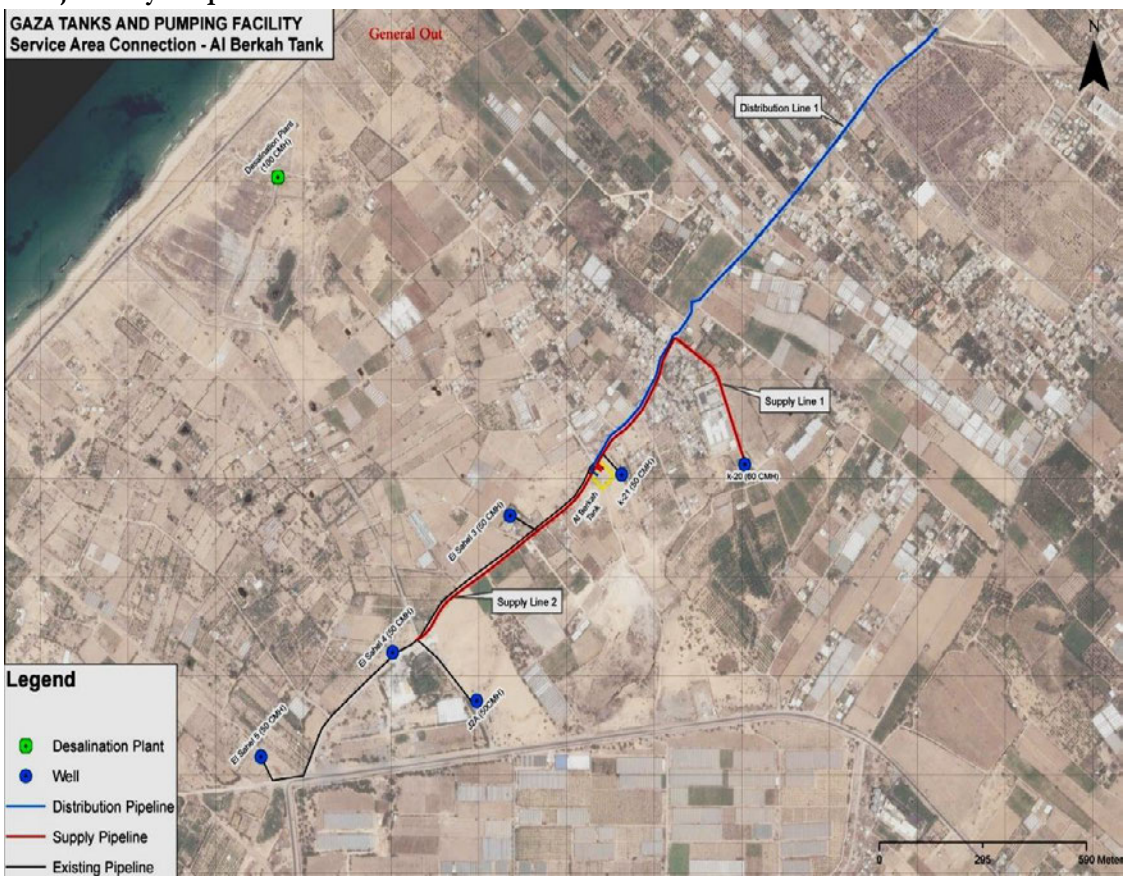
The project consists of the following constructions:

1) 3800 CM Reservoir
2) Disinfection Building w/ associated chemical feed system
3) Distribution Booster Pump Station
4) Small E&C Building w/ associated systems
5) Guard House w/ Grinder Pump Package Lift Station
6) Sanitary sewer, septic tank and seepage pit
7) Diesel Generator (Backup power)
8) Primary Power Supply & Transformer
9) Site Utilities, etc.

3.1.3 Project General Information

Project Location	Middle Area – Al Berkah
Project Value	$ 3,938,769.99
Modified Project Value	$ 3,985,709.99
Subcontractor	Saqqa and Khoudary (SAK)
Start of Construction	March 28, 2016
Contractual Period of Performance:	610 Calendar Days
Award Date	September 21, 2015
NTP Date	October 26, 2015
Contractual End Date:	June 26, 2017
Modified Period of Performance	631 Calendar Days
Modified End Date	July 17, 2017
Estimated Completion Date	July 17, 2017
Planned Percentage of Completion	25.54 %
Actual Percentage of Completion	26.77 %

3.1.4 Project Key Map



3.1.5 Vantage Photo

3.2 Project 02: Construction of Ma'an Reservoir and Pumping Facilities:

3.2.1 Project Description

The Gaza Reservoir and Pumping Facilities project provides bulk water storage, disinfection, blending, and pumping facilities and includes distribution line UPVC 280 mm with 0.106 km.

3.2.2 Statement of Work (SOW)

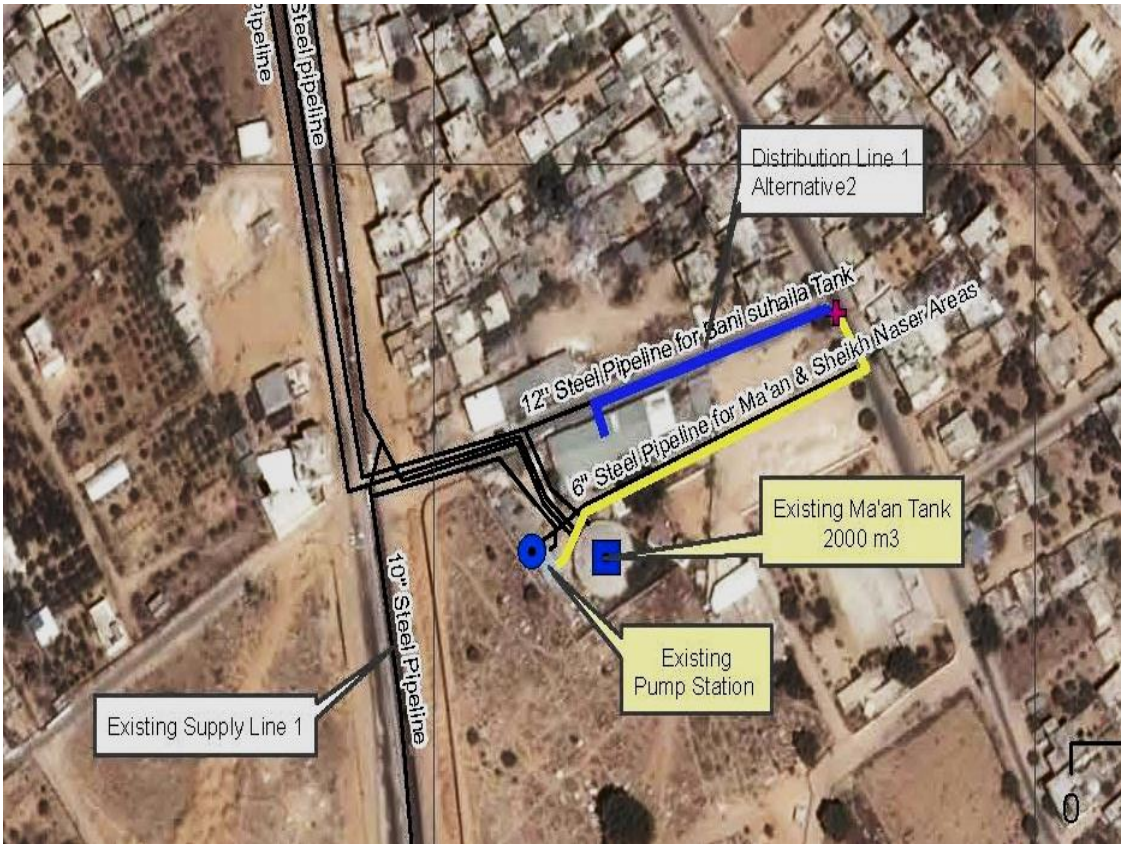
The project consists of the following constructions:

1) 3800 CM Reservoir
2) Disinfection Building w/ associated chemical feed system
3) Distribution Booster Pump Station
4) Small E&C Building w/ associated systems
5) Sanitary sewer, septic tank and seepage pit
6) Diesel Generator (Backup power)
7) Primary Power Supply & Transformer
8) Site Utilities, etc.

3.2.3 Project General Information

Project Location	Khan Yunis – Ma'an Area
Project Value	$ 3,003,176.48
Modified Project Value	$ 3,064,502.08
Subcontractor	Saqqa and Khoudary (SAK)
Start of Construction	March 26, 2016
Contractual Period of Performance:	610 Calendar Days
Award Date	September 21, 2015
NTP Date	October 26, 2015
Contractual End Date:	June 26, 2017
Modified Period of Performance	631 Calendar Days
Modified End Date	July 17, 2017
Estimated Completion Date	July 17, 2017
Planned Percentage of Completion	19.07 %
Actual Percentage of Completion	15.13 %

3.2.4 Project Key Map



3.2.5 Vantage Photo

4. Safety

Updated Safety Plan was submitted for CMC approval on Sept. 08, 2016. The approval on the above mentioned updated plan was received on Sept. 18, 2016 from CMC.
Captain No Zone (CNZ) Magazine (Subject: Arc Welding Safety) was distributed over all employees and also posted on Safety Boards on sites in order to increase the safety awareness of our employees.
Moreover, Excavation Daily Checklist was distributed for all site engineers and construction manager to be filled during excavation activities on daily basis before start work.
Attached copy of CNZ Magazine & Daily Excavation Checklist in Annex - J.
Updated Safety Plan shall be updated on monthly basis.

4.1 Safety Tool Box Meetings

The Safety Tool Box Meetings were conducted on Ma'an & Al Berkah Projects, the following summery briefs STBM subjects:

4.1.1 Project 01 - Al Berkah

Date	Tool Box Meeting No.	Location	Subject	Brief
Sept. 06, 2016	TBM-15-00009-C-E-032	Construction Site	Fall Protection	• **SECO gave briefing about work activities for this day and identified the responsibilities for each categories of employee.** • **The Tool Box Meeting conducted for labors, surveyor & engineers and discussed Fall Protection Subject.** • **All groups must adhere with safety Roles and procedures during working at height.** • **Required PPE for each activities and how to wear and use full body harness.**
Sept. 08, 2016	TBM-15-00009-C-E-033	Construction Site	Accident & Material Handling	• **SECO gave briefing about work activities for this day and identified the responsibilities for each categories of employee.** • **The Tool Box Meeting conducted for labors, surveyor & engineers and discussed accident took place yesterday & handling Materials Subject.** • **Explain how accident was happened and the causes of the accident.** • **The results of accident and the useful of wearing helmet.** • **Considerations for handling materials.** • **Good Handling Technique.**
Sept. 18, 2016	TBM-15-00009-C-E-034	Construction Site	Trench Excavation	• **SECO gave briefing about Excavation.** • **The Tool Box Meeting conducted for worker, surveyor & engineers and discussed excavation conditions and requirements.** • **All groups must adhere with Excavation & Trenching Safety Plan during work in excavation** • **Shoring must be used, or the excavation must be sloped to prevent collapsing when the excavation depth is greater than 1.2 meters.** • **Ladders or stairs must be provided when excavations are more than 1.2 meters deep.** • **Excavations in SOLID rock are the only types exempt from shoring or sloping**
Sept. 25, 2016	TBM-15-00009-C-E-035	Construction Site	Heavy Equipment & Trench Excavation.	• **SECO gave briefing about trench excavation.** • **The Tool Box Meeting conducted for worker, surveyor & engineers and discussed excavation conditions and requirements.** • **The priority for safety in our project.**

				• **All groups must adhere with Excavation & Trenching Safety Plan during work in excavation** • **Barricades all working area with steel barriers and put proper traffic signage.** • **Flagmen should be attentive all the time to traffic movements.** • **Equipment should be inspected, registered and in good condition.** • **Shoring must be used, or the excavation must be sloped to prevent collapsing when the excavation depth is greater than 1.2 meters.** • **No work inside trench during equipment moving for cleaning trench edges.** • **Ladders or stairs must be provided when excavations are more than 1.2 meters deep.** • **Transporting pipes should be executed by proper equipment (HIAB).** • **Not allowed to use Wheel Loader for transporting workers.**

4.1.2 Project 02 – Ma'an

Date	Tool Box Meeting No.	Location	Subject	Brief
Sept. 28, 2016	TBM-15-00009-C-E-036	Construction Site	Hand Safety	• **The Tool Box Meeting conducted for labors, surveyor & engineers and discussed Hand Safety Subject.** • **All groups must adhere with safety Roles and procedures during work.** • **Injuries to hands and fingers are the most frequent type of injury.** • **Even the smallest injury must be reported.** • **To prevent hand injuries, wear the proper work gloves.**

4.2 Accidents Status

4.2.1 Project 01 - Al Berkah

Minor accident took place on Sept. 07, 2016 at 09:30 in Al Berkah Site, no injury for involved worker as per hospital checkup report.

Accident investigation report was submitted for CMC on the same day of accident Sept. 07, 2016.

Tool Box Meeting regarding the above accident was conducted for all workers onsite on Sept. 08, 2016, this accident will be considered as lesson learned for future.

4.2.2 Project 02 – Ma'an

No accidents were reported during this reporting period.

4.3 Notice of Unsafe Conditions

4.3.1 Project 01 - Al Berkah

No notices of unsafe conditions were reported during this reporting period

4.3.2 Project 02 – Ma'an

No notices of unsafe conditions were reported during this reporting period

5. Environmental Compliance

Morganti submitted updated Environmental Monitoring & Mitigation Plan (EMMP) on Sept. 28, 2016 for CMC/B&V approval.

Environmental Monitoring and mitigation plan shall be updated on monthly basis.

5.1.1 Project 01 - Al Berkah

Environmental Check list was received from CMC for the month of August 2016 and Morganti amended and closed CMC observations and remarks.

Item No.	Item	Remarks by CMC	**Action by Contractor**	**Status**
4.4	Provide measures to define and isolate construction zones by using warning signs, fencing and ribbon barriers	Weak Hinged Gate for Site	Gate is erected properly	Closed
4.5	Provide appropriate measures to prevent unauthorized persons from entering the work area. Provide all workers with hard hats, hearing protection, bright colored vests, goggles, and other personal protective equipment (PPE) as needed and required.	Weak Hinged Gate for Site	Gate is erected properly	Closed

5.1.2 Project 02 – Ma'an

Environmental Check list was received from CMC for the month of August 2016 and Morganti amended and closed CMC observations and remarks.

Item No.	Item	Remarks by CMC	**Action by Contractor**	**Status**
1.5	Waste Management: Good housekeeping; sub-contractors are aware of waste procedure for hazardous and non-hazardous waste (appropriate disposal sites and proper management and reporting of accidental spills or discharges of hazardous waste)	Poor housekeeping in construction site	Inappropriate materials were removed form site, Housekeeping continual activity.	Closed
1.8	Safety Procedures are in place for all that are applicable: Scaffolding, towers, and platforms; excavation; existing underground and above ground facilities; portable electromechanical tools; vehicles and transportation equipment; ladder use; confined space entry; and lock-out/tag out	unsafe dressing Cables	Proper electrical board was installed and safe cables was provided.	Closed
6.3	All trees will be sprayed with water periodically to clean them and prevent harm that may be caused by the dust due to construction operations.	Lack of sprayed water and cleaning trees surrounding is needed	Spraying water and cleaning for trees on daily basis.	Closed
12.1	Good housekeeping practices to be applied at all time in the project site.	Enhancing housekeeping practices is needed.	Housekeeping is continues activity.	Closed

6. Traffic Control Measures

Morganti submitted updated Traffic Control Plan (TCP) on August 31, 2016 for CMC/B&V approval, the mentioned Plan was approved form CMWU on Sept. 08, 2016

6.1.1 Project 01 - Al Berkah

Flashers for traffic signs are not available in Gaza local market. Accordingly, we are waiting arrival of these flashers from West Bank in order to use them on site as per traffic control plan requirements.

Traffic signs and barriers are available onsite according to approved Traffic control plan. Traffic control plan shall be updated upon condition changes.

6.1.2 Project 02 – Ma'an

Flashers for traffic signs are not available in Gaza local market. Accordingly, we are waiting arrival of these flashers from West Bank in order to use them on site as per traffic control plan requirements.

Traffic signs and barriers are available onsite according to approved Traffic control plan. Traffic control plan shall be updated upon condition changes.

7. Community Outreach

7.1.1 Project 01 - Al Berkah

Before starting work on pipelines flyers were distributed for neighbors and Residents in the area in addition to the shops owners and students, Teachers and staff of local schools, People in the area was informed for the purpose of project and scope of work.

7.1.2 Project 02 – Ma'an

At the beginning of the works flyers were distributed for neighbors and Residents in the area in addition to the shops owners and students, teachers and staff of local schools. People in the area was informed for the purpose of project and scope of work.

- No activities during this monthly period.

8. - Risk Management, Mitigation Measures

Construction Risk Management Program (CRMP) was updated and submitted for CMC/B&V approval on Sept. 08, 2016. Approval was received on Sept. 18, 2016.
Tough restrictions on travel permits between Gaza and West Bank and borders' closure are project risks concerns.
Risk management plan shall be updated on monthly basis.
For more details, please refer to Annex L.

9. Gender Plan

Morganti employed one female Office manager. The Subcontractor SAK also hired a female office engineer. Morganti provided sanitary facilities and facilitated the site for females

- No new employments during this month period.

10. Coordination and Meetings

Five meetings were held during September 2016:

Coordination Meeting				
Date	**Attendees**	**Subject**	**Description**	**Location**
September 04, 2016	BV, TMGI CMWU & Paltel	Coordination Meeting #030	To Discuss the Start of Pipelines Works at Al Berkah Site	GAZI AL-Atatrah Primary office
September 05, 2016	BV, Electro Comp. Light Comp. & SAK	Coordination Meeting #032	To Discuss the Instrumentation and PLC System Supplier	GAZI AL-Atatrah Primary office
September 07, 2016	USAID, BV, TMGI & SAK	Progress Meeting No. 11	To Review Progress of Work, Discuss Project Issues & Provide Solutions where Required.	BV Main Office, Ramallah & GAZI AL-Atatrah Primary office
September 19, 2016	USAID, BV & TMGI	Coordination Meeting #034	To Discuss: a. CMWU Request to Eliminate Connection K-20 at AL Berkah site –GAZII b. Epoxy Paint Alternative Materials.	Phone Call
September 27, 2016	USAID, BV, TMGI & SAK	Progress Meeting No. 12	To Review Progress of Work, Discuss Project Issues & Provide Solutions where Required.	BV Main Office, Ramallah & GAZI AL-Atatrah Primary office

Several internal meetings were held by Morganti in the main office for safety orientation and for the progress of construction and preparation works.

11. Site Visitors

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

Date	Time	Representative	Representing	Remarks
Project 01: Al Berkah				
September 20, 2016	09:00 AM	Eng. Mariam Amro	USAID	
	09:00 AM	Eng. Amran El Kharouby	USAID	
September 28, 2016	10:00 AM	Eng. Mariam Amro	USAID	
	10:00 AM	Eng. Amran El Kharouby	USAID	
Project 02: Ma'an				
September 20, 2016	08:00 AM	Eng. Mariam Amro	USAID	
	08:00 AM	Eng. Amran El Kharouby	USAID	
September 28, 2016	12:00 PM	Eng. Mariam Amro	USAID	
	12:00 PM	Eng. Amran El Kharouby	USAID	

12. Progress and Scheduling

The Construction phase started on March 28, 2016 at Al Berkah Project and on March 26, 2016 at Ma'an Project, whereas the mobilization activities were completed in January 23, 2016.
Preconstruction submittals were submitted and approved, the original CPM resubmitted on May 9, 2016 and approved on May 22, 2016.
Revised CPM Schedule as per VO 01 was submitted for CMC approval on August 17, 2016 and approved on September 27, 2016.
furthermore, Materials and Shop drawings submittals are ongoing. For more details, please refer to Annex C.

13. Activities During This Reporting Period

13.1 Project 01 - Al Berkah

a. Continue preparing and submitting the construction submittals.
b. Formwork, steel reinforcement, electrical & mechanical installation, Expandable water stop installation and casting for the third level of reservoir's walls.
c. Scaffolding installation inside reservoir.
d. Formwork, steel reinforcement and casting for the second stage of reservoir columns.
e. Formwork, steel reinforcement and casting concrete for the guard house building roof slab.
f. Formwork and steel reinforcement for the guard house building parapet wall.
g. Formwork, steel reinforcement and casting for the Electrical & Control Building walls.
h. Formwork, steel reinforcement and casting concrete for the electrical and control building roof slab.
i. Backfilling, leveling and compaction inside disinfection building.
j. Formwork, steel reinforcement and casting concrete for the Disinfection building slab on grade.
k. Formwork and steel reinforcement for the disinfection building roof slab.
l. Excavation, pipe installation, backfilling and compacting for the Supply Line 2 from (ST. 1+10.39) to (ST. 1+762.69), PVC 280 mm diameter.
m. Excavation, pipe installation, backfilling and compacting for the Distribution Line 1 from (ST. 2+228) to (ST. 2+026.7), PVC 355 mm diameter.

13.2 Project 02 - Ma'an

a. Continue preparing and submitting the construction submittals.
b. Bitumen coating for the internal and external faces for electrical and control building foundation.
c. Bitumen coating for the internal and external faces for disinfection building foundation.
d. Backfilling, leveling and compaction inside disinfection building.
e. Backfilling, leveling and compaction inside electrical and control building.
f. Formwork, steel reinforcement and casting the electrical and control building slab on grade.
g. Formwork, steel reinforcement and casting the disinfection building slab on grade.
h. Formwork, steel reinforcement and casting concrete for the electrical and control building roof slab.
i. Scaffolding installation for the first stage of reservoir's walls.
j. Steel reinforcement for the first stage of reservoir walls.
k. Steel reinforcement for the first stage of reservoir columns.

14. Planned Activities for Next Month

14.1 Project 01 - Al Berkah

The following are the main activities planned for next month:

a. Continue preparing and submitting the construction submittals.
b. Excavation, pipe installation, backfilling and compacting for the Distribution Line 1 from (ST. 2+026.7) to (ST. 1+000.0).
c. Construction of Connection # 6, Line BD1, Station 1+061: Complete DN 200mm flanged Gate Valve Chamber.
d. Construction of Connection # 7, Line BD1, Station 1+024: Complete DN 200mm flanged Gate Valve Chamber.
e. Construction of Complete DN 350mm flanged Butterfly Valve and its chamber at sta. 1+110 direct on pipeline BD1.
f. Construction of Connection # 1, Line BS2, Station 1+638: Complete DN 200mm flanged Gate Valve Chamber 13.00
g. Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+387.
h. Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+010
i. Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+454.
j. Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+569.
k. Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+248.
l. Formwork, steel reinforcement, electrical & mechanical installation, Expandable water stop installation and casting for the third level of reservoir's walls.
m. Formwork, steel reinforcement, electrical & mechanical installation and casting for the reservoir's roof slab.
n. Furnish & Install Interior Walls for disinfection building.
o. Furnish & Install Interior & Exterior Plaster and Stone Coping for disinfection building.
p. Furnish & Install Hatches, Vents, Ladders, Grating etc. for disinfection building.
q. Formwork, steel reinforcement, electrical & mechanical installation Casting parapet walls for Guard House building.
r. Formwork, steel reinforcement, electrical & mechanical installation Casting parapet walls for disinfection building.
s. Formwork, steel reinforcement, electrical & mechanical installation Casting parapet walls for electrical and control building.
t. Start works in duct bank.

14.2 Project 02 - Ma'an

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

a. Continue preparing and submitting the construction submittals.
b. Formwork, steel reinforcement, electrical & mechanical installation, Expandable water stop installation and casting for the first stage of reservoir's walls.
c. Formwork, steel reinforcement and casting the reservoir's columns.
d. Formwork, steel reinforcement and casting concrete for the disinfection building roof slab.
e. Formwork, steel reinforcement, electrical & mechanical installation casting parapet walls for disinfection building.
f. Formwork, steel reinforcement, electrical & mechanical installation casting parapet walls for electrical and control building.
g. Furnish & Install Interior Walls for electrical and control building.
h. Furnish & Install Interior & Exterior Plaster and Stone Coping for electrical and control building.

For more details, please refer to Annex B.

15. Indicators

15.1 Water sector Task Order Indicator 1: Quantity of drinking water available as a result of USG Assistance

15.1.1 Project 01 - Al Berkah:

	Total number of Beneficiaries	Male		Female	
		No.	%	No.	%
Target	100,394	51,201	51%	49,193	49%
Actual	0	0	0%	0	0%

15.1.2 Project 02 - Ma'an:

	Total number of Beneficiaries	Male		Female	
		No.	%	No.	%
Target	50,409	25,709	51%	24,700	49%
Actual	0	0	0%	0	0%

15.2 Water Sector Task Order Indicator 2: Person Days of employment generated for this reporting period

15.2.1 Project 01 - Al Berkah:

	Total number (Person Days)	Male	Female
		No.	No.
Target	16,350	15,582	768
Actual Previously	6,098.90	5,848.90	250.00
Actual during this reporting period	982.00	953.90	28.10
Total actual	7,080.90	6,802.80	278.10

15.2.2 Project 02 - Ma'an:

	Total number (Person Days)	Male	Female
		No.	No.
Target	15,250	13,801	1,449
Actual Previously	4,020.70	3,771.70	249.00
Actual during this reporting period	385.60	357.50	28.10
Total actual	4,406.30	4,129.20	277.10

16. Working / Non – Working Days

During this reporting period, four non–working days occurred; all of them were official holidays (Fridays). The below table summarizes the working and non – working days occur during the reporting period.

16.1 Project 01 - Al Berkah:

Total Period of Performance (Original)	610
Total Excusable delays/approved extensions	21
Modified Period of Performance	631
Modified Completion Date	July 17, 2016
No. of Working Days during this reporting Period	21
Accumulated Working Days	280
Total No. of non-working days (Holidays and weekends) during this reporting Period	9
Accumulated non-working days (Holidays and weekends)	56
No. of other non-working days during this month (Rainy Weather)	0
. Accumulated other non-working days	5

16.2 Project 02 - Ma'an:

Total Period of Performance (Original)	610
Total Excusable delays/approved extensions	21
Modified Period of Performance	631
Modified Completion Date	July 17, 2016
No. of Working Days during this reporting Period	21
Accumulated Working Days	280
Total No. of non-working days (Holidays and weekends) during this reporting Period	9
Accumulated non-working days (Holidays and weekends)	56
No. of other non-working days during this month (Rainy Weather)	0
Accumulated other non-working days	5

17. Material & equipment delivered to site

17.1 Project 01 – Al Berkah

Ready Mix Concrete, Steel Rebar, Mechanical Installation and PVC Pipes and Fittings were delivered to the site.

for more details, refer to Annex A

17.2 Project 02 – Ma'an

Ready Mix Concrete, Steel Rebar, Mechanical Installation and PVC Pipes and Fittings were delivered to the site,

for more details, refer to Annex A

18. Site Memos

18.1 Project 01 – Al Berkah

One Site Memo of "Third-Party Test Reports for Al Berkah Reservoir" and one site instruction received from engineer during this reporting period.
for more details, refer to Annex E.

18.2 Project 02 – Ma'an

Two Site Memo of "Third-Party Test Reports for Ma'an Reservoir" and one site instruction received from engineer during this reporting period for more details, refer to Annex E.

19. Procurement

19.1 Project 01 – Al Berkah

- List of some Civil, Mechanical, Electrical Material are prepared to be ordered, vertical booster pump & motors, Pressure Sustaining Valve, Float Control Valve, Pressure Reducing Valve, Electromagnetic Flow Meter, Float Level Switch, Flow Switch, Pressure Level Transmitter, pressure gauge.

19.2 Project 02 – Ma'an

- List of some Civil, Mechanical, Electrical Material are prepared to be ordered, vertical booster pump & motors, Pressure Sustaining Valve, Float Control Valve, Pressure Reducing Valve, Electromagnetic Flow Meter, Float Level Switch, Flow Switch, Pressure Level Transmitter, pressure gauge.

20. Inspection Requests:

20.1 Project 01- Al Berkah:

Fifty-Eight IRs were submitted to CMC for materials and activities in site.

– For more details please refer to Annex F

20.2 Project 02- Ma'an:

Nineteen IRs were submitted to CMC for materials and activities in site.

– For more details please refer to Annex F

21. Quality Control

TMGI resubmitted The Quality Control Plan (QCP) after taking into consideration the CMC comments on August 16, 2016 and approved by CMC on August 29, 2016.

TMGI prepared and submitted a Concrete Sampling and Testing Results Analysis to USAID & CMC. TMGI and B&V took the issue seriously and started to investigate all factors which may affect the concrete quality and reached to the following findings:

• Continuous follow-up the concrete material at the patching plants.

• Care in the sampling method and curing.

The previous steps resulted an improvement in concrete compressive strength results, but keep surprises resulting from the old compressive machines which is out of our order. To solve this essential issue, we asked USAID to assist for importing new machines to the approved laboratory in Gaza, we hope that will succeed.

Quality Control Plan shall be updated on monthly basis.

22. Testing:

22.1 Project 01- Al Berkah:

Compaction tests and concrete compressive test were conducted.
for more information, please refer to Annex H

22.2 Project 02- Ma'an:

Compaction tests and concrete compressive test were conducted
for more information, please refer to Annex H.

23. Submittals

23.1 Project 01- Al Berkah:

During this reporting period TMGI submitted 35 submittals and received 38 responses from CMC. Construction submittals will continue during the next reporting period. For more information, please refer to Annex G.

Submittals Summery		
No.	Status	Submittals
1	A (No Exceptions)	215
2	B (Exceptions Noted)	86
3	C (Returned for Correction)	218
4	D (Not Acceptable)	25
5	E (Record Copy)	41
6	**Retracted**	11
7	**Under Review**	10
	Total	606

Submittals during this monthly report:

Monthly Submittals		
No.	Status	Submittals
1	A (No Exceptions)	13
2	B (Exceptions Noted)	1
3	C (Returned for Correction)	15
4	D (Not Acceptable)	3
5	E (Record Copy)	5
6	**Retracted**	1
7	**Under Review**	10
	Total	48

23.2 Project 02- Ma'an:

During this reporting period TMGI submitted 37 submittals and received 40 responses from CMC. Construction submittals will continue during the next reporting period. For more information, please refer to Annex G.

Monthly Submittals		
No.	Status	Submittals
1	A (No Exceptions)	214
2	B (Exceptions Noted)	86
3	C (Returned for Correction)	215
4	D (Not Acceptable)	26
5	E (Record Copy)	40
6	**Retracted**	13
7	**Under Review**	9
	Total	**603**

Submittals during this monthly report:

Submittals Summery		
No.	Status	Submittals
1	A (No Exceptions)	12
2	B (Exceptions Noted)	3
3	C (Returned for Correction)	16
4	D (Not Acceptable)	3
5	E (Record Copy)	5
6	**Retracted**	1
7	**Under Review**	9
	Total	**49**

24. Request for Information

24.1 Project 01- Al Berkah:

Three Requests for Information were issued during this reporting period.

For more information, please refer to Annex I.

24.2 Project 02- Ma'an:

Three Requests for Information were issued during this reporting period. TMGI received a response for three RFIs.

For more information, please refer to Annex I.

25. Transmittals

25.1 Correspondence with USAID

Date.	Transmittal No.	Corresponding from /To	Subject
September 2, 2016	By Email	TMGI/ USAID	Accruals- Q4/FY 2016
September 14, 2016	By Email	TMGI/ USAID	TO-15-00008 & TO-15-00009 - Pending items on GRAMMS - Epoxy, GPS & Cement request
September 6, 2016	By Email	USAID/ TMGI	Revised Donation Number Package 003
September 14, 2016	By Email	TMGI/ USAID	D 8591 - GAZA I&II - Donation No. 2
September 14, 2016	By Email	USAID/ TMGI	TO-15-00008 & TO-15-00009 - Pending items on GRAMMS - Epoxy, GPS & Cement request
September 15, 2016	By Email	TMGI/ USAID	D 8591 - GAZA I&II - Donation No. 2
September 18, 2016	By Email	TMGI/ USAID	TO 15 00009 GAZII: Vetting Request: Electro Co. LTD, For General Trade & Contracting
September 18, 2016	By Email	TMGI/ USAID	TO 15 00009 GAZII: Vetting Request: Raed Faraj Shaaban Al Sawada external electrical work contracting
September 18, 2016	By Email	TMGI/ USAID	TO-15-00008 & TO-15-00009 - Pending items on GRAMMS - Epoxy, GPS & Cement request
September 19, 2016	By Email	USAID/ TMGI	TO-15-00008 & TO-15-00009 - Pending items on GRAMMS - Epoxy, GPS & Cement request
September 25, 2016	By Email	TMGI/ USAID	AID-294-TO-15-00009, Project 1: Al Berkah reservoir - 150mm PVC Pipes - Redundant

25.2 Correspondence with CMC

Date.	Transmittal No.	Corresponding from /To	Subject
September 1, 2016	By Email	TMGI/BV	GAZA I & II for Handrail & RFI
September 21, 2016	By Email	TMGI/BV	TO 15-00009 GAZII: Variation Order #03 - for TMGI Signature - Ma'an Changes
September 25, 2016	By Email	TMGI/BV	GAZA I & II for Handrail & RFI
September 25, 2016	By Email	TMGI/BV	GAZA I & II for Handrail & RFI
September 25, 2016	By Email	BV / TMGI	GAZA I & II for Handrail & RFI
September 25, 2016	By Email	BV / TMGI	AID-294-TO-15-00009, Project 1: Al Berkah reservoir - Descope notification
September 25, 2016	By Email	BV / TMGI	GAZA I & II for Handrail & RFI
September 26, 2016	By Email	TMGI/BV	TO 15-00009 GAZII: Variation Order #03 - for TMGI Signature - Ma'an Changes
September 26, 2016	By Email	TMGI/BV	TO 15-00009 GAZII: Variation Order #03 - for TMGI Signature - Ma'an Changes
September 26, 2016	By Email	BV / TMGI	TO 15-00009 GAZII: Variation Order #03 - for TMGI Signature - Ma'an Changes

25.3 Transmittals from Contractor to CMC

Contractors – Engineer	Description	Classification	Issued Date	Response Date
TRS-15-00009-GAZII-C-E-194	Al Berkha Site Layout – Electrical Shop Drawing	SUB	Sep.01, 2016	Sep. 8, 2016
	Al Berkah Fence – Shop Drawing		Sep.01, 2016	Sep. 21, 2016
TRS-15-00009-GAZII-C-E-195	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (3, 6, 9)	TEST	Sep.04, 2016	Sep.05, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah electrical and Control building ditches and disinfection building foundation		Sep.04, 2016	Sep.05, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building foundation		Sep.04, 2016	Sep.05, 2016
	Booster Control Valve	SUB	Sep.04, 2016	Sep. 08, 2016
	Pump Station Shed Structural Design & Shop Drawing		Sep.04, 2016	Sep. 22, 2016
TRS-15-00009-GAZII-C-E-196	Ma'an Site Layout – Electrical Shop Drawing	SUB	Sep.05, 2016	Sep.18, 2016
	Intrusion Switch-Option II		Sep.05, 2016	Sep.15, 2016
	Ma'an Boundary Fence - Shop Drawing		Sep.05, 2016	Sep.28, 2016
TRS-15-00009-GAZII-C-E-197	Warning Tape-Water Pipelines- Option II	SUB	Sep.06, 2016	Sep.08, 2016
TRS-15-00009-GAZII-C-E-198	Bi-Level Control Valves- Maan	SUB	Sep.07, 2016	Sep.21, 2016
TRS-15-00009-GAZII-C-E-199	Spare parts for VFD	RFI	Sep.08, 2016	Under Review
	CMU Veneer Walls for Electrical & Control Building and Guard House at AJ Berkah Site and Control & Electrical Building at Ma'an Site	VOR	Sep.08, 2016	Sep.10, 2016
	Revised CPM Schedule as per VO 01 - August 03, 2016	SUB	Sep.08, 2016	Sep. 22, 2016
	Steel Pipes for Booster and Reservoirs (6", 8", 10")		Sep.08, 2016	Sep. 18, 2016
	Jack Support - Mechanical		Sep.08, 2016	Sep. 19, 2016
	Section 7 A: Preliminary Operation & Maintenance Manual for PN16 UPVC Pipes and Fitting		Sep.08, 2016	Sep. 20, 2016
	Updated Safety Plan up to August 2016		Sep.08, 2016	Sep. 18, 2016
	Updated Construction Risk Management Program (CRMP) up to August 2016		Sep.08, 2016	Sep. 18, 2016
	Submittal Schedule Monthly Update of August, 2016		Sep.08, 2016	Sep. 25, 2016
	Compaction test for the backfilling layers inside Ma'an electrical and control building	TEST	Sep.08, 2016	Sep. 08, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an electrical and control building walls		Sep.08, 2016	Sep. 08, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls		Sep.08, 2016	Sep. 08, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (1, 2, 4, 5, 7, 8)		Sep.08, 2016	Sep. 08, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an disinfection building foundation		Sep.08, 2016	Sep. 08, 2016

Contractors – Engineer	Description	Clas-sifi-ca-tion	Issued Date	Response Date
	Compressive Strength for 7 days of 35 MPa Concrete for quarter (C) of the second layer for the Al Berkah reservoir's walls + Guard House internal Walls		Sep.08, 2016	Sep. 18, 2016
	Backfilling soil "Sand" for Al Berkah Pipeline		Sep.08, 2016	Sep. 19, 2016
	Compaction test for the backfilling layers inside Al Berkah disinfection building		Sep.08, 2016	Sep. 08, 2016
TRS-15-00009-GAZII-C-E-200	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	SUB	Sep.18, 2016	Sep.28, 2016
	Booster Control Valve		Sep.18, 2016	Sep.26, 2016
TRS-15-00009-GAZII-C-E-201	Al Berkah 3800 m3 Reservoir – Mechanical Shop Drawing	SUB	Sep.18, 2016	Sep.28, 2016
	Concrete Repair Material for Reservoir (SikaRep)		Sep.18, 2016	Sep.28, 2016
	Core test for 35 MPa Concrete for Al Berkah Guard House Walls	TEST	Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the second level of (1, 2, 3, 4, 5, 6, 7, 8, 9)		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah electrical and control building walls		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for quarter (B) of the second layer for the Al Berkah reservoir's walls		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for quarter (D) of the second layer for the Al Berkah reservoir's walls		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for the Slab on Grade for Al Berkah Guard House and electrical and control building		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building Ditches		Sep.18, 2016	Sep. 19, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an slab on grade of electrical and control building		Sep.18, 2016	Sep. 19, 2016
	Compaction test for the backfilling layers inside Ma'an disinfection building		Sep.18, 2016	Sep. 19, 2016
TRS-15-00009-GAZII-C-E-202	Power Cable - Option II	SUB	Sep. 19, 2016	Under Review
	Backfilling Material-selected excavated soil for Al Berkah Pipeline	TEST	Sep. 19, 2016	Sep. 25, 2016
TRS-15-00009-GAZII-C-E-203	Manhole Covers "750 mm"	TEST	Sep. 20, 2016	Sep. 25, 2016
	Electromagnetic Flow Meter	SUB	Sep. 20, 2016	Sep. 21, 2016
	Data cable –CAT 6A – Electrical		Sep. 20, 2016	Sep. 25, 2016
	MAAN Vertical Turbine Booster Pumps		Sep. 20, 2016	Sep. 21, 2016
	Al Berkah Vertical Turbine Booster Pumps		Sep. 20, 2016	Sep. 21, 2016
	VFD Components -Schneider		Sep. 20, 2016	Sep. 21, 2016
	Ma'an Site Layout – Electrical Shop Drawing		Sep. 20, 2016	Sep. 22, 2016
TRS-15-00009-GAZII-C-E-204	Pad Transformer- 400KVA	SUB	Sep. 21, 2016	Sep. 22, 2016
	Al Berkah Coordination Study-Electrical		Sep. 21, 2016	Sep. 22, 2016
	Maan Coordination study-Electrical		Sep. 21, 2016	Sep. 22, 2016
	El Hela Company for Concrete Manholes		Sep. 21, 2016	Under Review
	Grout Material for Seismic Can		Sep. 21, 2016	Sep. 24, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Disinfection building walls	TEST	Sep. 21, 2016	Sep. 25, 2016

Contractors – Engineer	Description	Classification	Issued Date	Response Date
	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an Disinfection building walls		Sep. 21, 2016	Sep. 25, 2016
TRS-15-00009-GAZII-C-E-205	Receptacles & Switches	SUB	Sep. 22, 2016	Sep. 28, 2016
	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+190), (ST. 1+220) & (ST. 1+240)	TEST	Sep. 22, 2016	Sep. 25, 2016
	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+280)		Sep. 22, 2016	Sep. 25, 2016
TRS-15-00009-GAZII-C-E-206	Bolts for Booster Station	SUB	Sep. 25, 2016	Under Review
	Steel Flange for Booster Station		Sep. 25, 2016	Under Review
	Steel Fittings for Booster Station		Sep. 25, 2016	Under Review
TRS-15-00009-GAZII-C-E-207	Compressive Strength for 28 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls	TEST	Sep. 26, 2016	Sep. 27, 2016
	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building walls		Sep. 26, 2016	Sep. 27, 2016
	Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the third layer for the Al Berkah reservoir's walls		Sep. 26, 2016	Sep. 27, 2016
	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+530 and St. 1+680).		Sep. 26, 2016	Sep. 27, 2016
	Revised CPM Schedule as per VO 01 - August 03, 2016	SUB	Sep. 26, 2016	Sep. 27, 2016
	Start Up and Commissioning Plan – Al Berkah Project		Sep. 26, 2016	Under Review
TRS-15-00009-GAZII-C-E-208	Modified Layout for Ma'an No.02 Reservoir.	VOR	Sep. 28, 2016	Under Review
	Updated Environmental Monitoring & Mitigation Plan (August, 2016)	SUB	Sep. 28, 2016	Under Review
TRS-15-00009-GAZII-C-E-209	Reports system in the HMI	RFI	Sep. 29, 2016	Under Review
	Sodium Hypochlorite		Sep. 29, 2016	Under Review
	Compressive Strength for 7 days of 35 MPa Concrete for the guard house roof slab and slab on grade of disinfection building at Al Berkah project	TEST	Sep. 29, 2016	Under Review
	Plaster Accessories –With Samples	SUB	Sep. 29, 2016	Under Review
	Butterfly Valve Chamber Structural – Shop Drawing		Sep. 29, 2016	Under Review
	Pump Station Shed Structural Design & Shop Drawing		Sep. 29, 2016	Under Review

25.4 Transmittals from CMC to Contractor

Engineers – Contractor	Description	Classi-fication	Submitting Date
TRS-15-00009-GAZII-E-C-214	1. Pressure Switch – Mechanical 2. Pressure Reducing Valve 3. Pressure Sustaining Control Valve. 4. Revised CPM Schedule as per VO 01 .August 03, 2016	SUB	Sep. 04, 2016
	5. Daily Joint Report for .August 31, 2016	DJR	
TRS-15-00009-GAZII-E-C-215	1. Environmental Checklist for Al Berkah August 2016. 2. Environmental Checklist for Ma'an August 2016	ECL	Sep. 04, 2016
TRS-15-00009-GAZII-E-C-216	1. Jack Support -Mechanical	SUB	Sep. 04, 2016
	2. Daily Joint Reports from September 01, 2016 to September 03, 2016	DJR	
TRS-15-00009-GAZII-E-C-217	1. Ma'an Reservoir's Washout	RFI	Sep. 05, 2016
	2. Compressive Strength for 28 Days of 35 MPa Concrete for Al Berkah Reservoir Columns for the First Level of 3,6,9 3. Compressive Strength for 28 Days of 35 MPa Concrete for. Al Berkah Electrical and Control Building Ditches and Disin-fection Building Foundation 4. Compressive Strength for 28 Days of 35 MPa Concrete for Ma'an Electrical and Control Buildin Foundation	TEST	
TRS-15-00009-GAZII-E-C-218	1. LDPE Tube for Disinfection Building	RFI	Sep. 06, 2016
	2. Steel Pipes for Booster and Reservoirs (6", 8", 10") 3. Power Cable - Option II 4. Modified BFV Chamber Mechanical Shop Drawing	SUB	
TRS-15-00009-GAZII-E-C-219	1. Butterfly Valve Chamber Structural – Shop Drawing 2. Block Factory – Maroof Company	SUB	Sep. 07, 2016
TRS-15-00009-GAZII-E-C-220	1. .Al Berkah Site Layout - Electrical Shop Drawing 2. Precast Manholes 2.5 X 2.0 m- Shop Drawing 3. Power Utility Metering Panel 4. Update Traffic Control Plan (September 2016) 5. Warning Tape-Water Pipelines- Option III -Warning Tape (Sample)	SUB	Sep. 08, 2016
TRS-15-00009-GAZII-E-C-221	1. Booster Control Valve	SUB	Sep. 08, 2016
	2. Compaction test for the backfilling layers inside Ma'an electri-cal and control building. 3. Compressive Strength for 7 days of 35 MPa Concrete for Ma'an electrical and control building walls 4. Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls 5. Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of(l,2,4,5, 7,8)	TEST	

	6. Compressive Strength for 28 days of 35 MPa Concrete for Ma'an disinfection building foundation 7. Compaction test for the backfilling layers inside. Al Berkah disinfection building		
TRS-15-00009-GAZII-E-C-222	1. CMU Veneer Walls for Electrical & Control Building and Guard House at Al Berkah Site and Control & Electrical Building at Ma'an Site	VOR	Sep. 10, 2016
	2. Daily Joint Reports from September 04, 2016 to September 07, 2016	DJR	
TRS-15-00009-GAZII-E-C-223	1. Intrusion Switch-Option II	SUB	Sep. 15, 2016
TRS-15-00009-GAZII-E-C-224	1. UPS System	SUB	Sep. 18, 2016
	2. Compressive Strength for 7 Days of 35 MPa Concrete for Quarter (C) of the Second Layer for the Al Berkah Reservoir's Walls+ Guard House Internal Walls	TEST	
	3. Updated Safety Plan up to August 2016 4. Updated Construction Risk Management Program (CRMP) up to August 2016	SUB	
TRS-15-00009-GAZII-E-C-225	1. Ma'an Site Layout -Electrical Shop Drawing 2. Steel Pipes for Booster and Reservoirs (6", 8", 10")	SUB	Sep. 18, 2016
TRS-15-00009-GAZII-E-C-226	1. Core test for 35 MPa Concrete for Al Berkah Guard House Walls 2. Backfilling soil "Sand" for Al Berkah Pipeline "Source" 3. Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the second level of (1, 2, 3, 4, 5, 6, 7, 8, 9) 4. Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah electrical and control building walls 5. Compressive Strength for 28 days of 35 MPa Concrete for quarter (B) of the second layer for the Al Berkah reservoir's walls 6. Compressive Strength for 28 days of 35 MPa Concrete for quarter (D) of the second layer for the Al Berkah reservoir's walls 7. Compressive Strength for 28 days of 35 MPa Concrete for the Slab on Grade for Al Berkah Guard House and electrical and control building 8. Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building Ditches 9. Compressive Strength for 7 days of 35 MPa Concrete for Ma'an slab on grade of electrical and control building 10. Compaction test for the backfilling layers inside Ma'an disinfection building	TEST	Sep. 19, 2016
	11. Jack Support - Mechanical	SUB	
TRS-15-00009-GAZII-E-C-227	1. Section 7 A: Preliminary Operation & Maintenance Manual for PN16 UPVC Pipes and Fitting	SUB	Sep. 20, 2016
	2. Daily Joint Reports from September 08, 2016 to September 19, 2016	DJR	
TRS-15-00009-GAZII-E-C-228	1. Bi-Level Control Valves -Maan	SUB	Sep. 21, 2016

TRS-15-00009-GAZII-E-C-229	1. Electromagnetic Flow Meter 2. Data Cable-CAT 6A- Electrical 3. MAAN Vertical Turbine Booster Pumps 4. Al Berkah Vertical Turbine Booster Pumps 5. VFD Components -Schneider	SUB	Sep. 21, 2016
TRS-15-00009-GAZII-E-C-230	1. Al Berkah Fence – Shop Drawing 2. Grout Material for Seismic Can	SUB	Sep. 21, 2016
TRS-15-00009-GAZII-E-C-231	1. Pad Transformer- 400KVA 2. Al Berkah Coordination study-Electrical 3. Maan Coordination study-Electrical 4. Ma'an Site Layout – Electrical Shop Drawing 5. Revised CPM Schedule as per VO 01 - August 03, 2016 6. Pump Station Shed Structural Design & Shop Drawing	SUB	Sep. 22, 2016
TRS-15-00009-GAZII-E-C-232	1. Backfilling Material-selected excavated soil for Al Berkah Pipeline 2. Manhole Covers "750 mm" 3. Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Disinfection building walls 4. Compressive Strength for 28 days of 35 MPa Concrete for Ma'an Disinfection building walls 5. Compaction test for the backfilling layer above pipelines BS2 (ST. 1+190), (ST. 1+220) & (ST. 1+240) 6. Compaction test for the backfilling layer above pipelines BS2 (ST. 1+280)	TEST	Sep. 25, 2016
	7. Submittal Schedule Monthly Update of. August, 2016	SUB	
	8. Daily Joint Reports from September 20, 2016 to September 23, 2016	DJR	
TRS-15-00009-GAZII-E-C-233	1. Booster Control Valve	SUB	Sep. 26, 2016
	2. Daily Joint Reports for September 24, 2016 & September 25, 2016	DJR	
TRS-15-00009-GAZII-E-C-234	1. Compressive Strength for 28 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls 2. Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building walls 3. Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the third layer for the Al Berkah reservoir's walls 4. Compaction test for the backfilling layer above pipelines BS2 (ST. 1+530 and St. 1+680).	TEST	Sep. 27, 2016
	5. Revised CPM Schedule as per VO 01- August 03, 2016	SUB	
TRS-15-00009-GAZII-E-C-235	1. Receptacles & Switches 2. Al Berkah 3800 m3 Reservoir – Mechanical Shop Drawing 3. Maan 3800 m3 Reservoir – Mechanical Shop Drawing 4. Concrete Repair Material for Reservoir (SikaRep)	SUB	Sep. 28, 2016
TRS-15-00009-GAZII-E-C-236	1. Ma'an Boundary Fence - Shop Drawing	SUB	Sep. 28, 2016

26. Task Order General Statistics

NO.	Description	Quantity
1	Shop drawings Submittals	145
2	Material Submittals	405
3	Preconstruction Submittals	59
4	Total Submittals	679
5	QC Submittals	186
6	RFI	36
7	IR (Al Berkah)	275
8	IR (Ma'an)	110

27. Payments

Invoice No.	Project	Submitted date	Amount $	Retention Amount	Amount Received	Received Date
Invoice #001	MAN	January 17, 2016	220,865.61 $	-	220,865.61 $	February 9, 2016
	BER	January 17, 2016	168,402.42 $	-	168,402.42 $	February 9, 2016
Invoice #002	MAN	May 29, 2016	-	-	-	-
	BER	May 29, 2016	73,182.41 $	-	73,182.41 $	June 16, 2016
Invoice #003	MAN	June 29, 2016	28,611.90 $	-	28,611.90 $	July 05, 2016
	BER	June 29, 2016	175,149.00 $	-	175,149.00 $	July 05, 2016
Invoice #004	MAN	August 23, 2016	98,809.99 $	-	98,809.99 $	September 9, 2016
	BER	August 23, 2016	159,830.05 $	-	159,830.05 $	September 9, 2016

28. Variation Orders

Vo No.	Description	VO Status: (AP/PE/RE/RJ)			Date sent to USAID	USAID Approval Date	VO Amount	Time Ex.
		TMGI	B&V	USAID				
VO-15-00009-GAZII-001	Changes in Requirements, New Items, New Definitive Quantities and Time Extension	AP	AP	AP	July 19, 2016	August 3, 2016	$ 108,265.60	21 Days
VO-15-00009-GAZII-002	Changes in Requirements, The use of Steel Pipes In lieu of Ductile Iron Pipes for Reservoir's Yard Piping	AP	AP	AP	August 18, 2016	August 25, 2016	$ 0	-

29. Variation Order Requests

VOR No.	Description	Cost ($)	Time	Status
VOR-15-00009-GAZII-001-A	The work required for the construction of retaining wall includes excavation, backfilling and reinforced concrete work in Ma'an Project	$ 21,758.04	0	Accept with exceptions
VOR-15-00009-GAZII-001-B	The work required for the construction of retaining wall includes excavation, backfilling and reinforced concrete work in Ma'an Project	$ 21,227.04	0	Noted with comments
VOR-15-00009-GAZII-001-C	The work required for the construction of retaining wall includes excavation, backfilling and reinforced concrete work in Ma'an Project	$ 22,511.44	0	Noted
VOR-15-00009-GAZII-002-A	Purchase and delivered the additional quantities of UPVC pipes fittings, restrained joints and FA	$ 15,225.00	0	Contractor to provide price breakdown
VOR-15-00009-GAZII-002-B	Purchase and delivered the additional quantities of UPVC pipes fittings, restrained joints and FA	$ 15,225.00	0	To re-submit the VOR taking into consideration discussion with Morganti.
VOR-15-00009-GAZII-002-C	Purchase and delivered the additional quantities of UPVC pipes fittings, restrained joints and FA	$ 14,486.00	0	Noted
VOR-15-00009-GAZII-003-A	Use of Steel Mini Guard in lieu of Concrete New Jersey Barriers during trench excavation, pipe laying and backfilling operations.	$ -	0	To submit price comparison analysis
VOR-15-00009-GAZII-003-B	Use of Steel Mini Guard in lieu of Concrete New Jersey Barriers during trench excavation, pipe laying and backfilling operations.	$ -	0	To re-submit the VOR taking into consideration last response
VOR-15-00009-GAZII-003-C	Use of Steel Mini Guard in lieu of Concrete New Jersey Barriers during trench excavation, pipe laying and backfilling operations.	$ -	0	Noted
VOR-15-00009-GAZII-004-A	Use of colored PVC conduits for embedded installations instead of rigid schedule 40 PVC conduits.	$ -	0	To revise and provide supporting documents
VOR-15-00009-GAZII-004-B	Use of colored PVC conduits for embedded installations instead of rigid schedule 40 PVC conduits.	$ -	0	Considered a cost saving
VOR-15-00009-GAZII-004-C	Use of colored PVC conduits for embedded installations instead of rigid schedule 40 PVC conduits.	$ (1,380.00)	0	Noted
VOR-15-00009-GAZII-005-A	GFCI Receptaple	$ -	0	Noted
VOR-15-00009-GAZII-006-A	Al Berkah Retaining Wall as SM # 2	$ 48,265.10	0	Noted with comments
VOR-15-00009-GAZII-006-B	Al Berkah Retaining Wall as SM # 2	~~$ 48,265.10~~	~~0~~	Retracted
VOR-15-00009-GAZII-006-B	Al Berkah Retaining Wall as SM # 2	$ 49,413.20	0	Noted with comments
VOR-15-00009-GAZII-006-C	Al Berkah Retaining Wall as SM # 2	$ 47,104.40	0	Noted
VOR-15-00009-GAZII-007-A	The Use of PE Pipe PN12.5 Instead of PVC-U Pipe PN16 for Reservoir Drain Pipe	$ -	0	Prices is to revise
VOR-15-00009-GAZII-007-B	The Use of PE Pipe PN12.5 Instead of PVC-U Pipe PN16 for Reservoir Drain Pipe	$ -	0	Noted with comments
VOR-15-00009-GAZII-007-C	The Use of PE Pipe PN12.5 Instead of PVC-U Pipe PN16 for Reservoir Drain Pipe	$ -	0	Noted
VOR-15-00009-GAZII-008-A	The use of Gaza available sand materials and the calcareous sand material as filling material (Kurkar) under structures	$ -	0	to provide cost analysis
VOR-15-00009-GAZII-008-B	The use of Gaza available sand materials and the calcareous sand material as filling material (Kurkar) under structures	$ -	0	Noted
VOR-15-00009-GAZII-009-A	Impact of Walkthrough for Al Berkah Supply line 1, Supply line 2 & Distribution Line.	$ 46,446.40	0	Response
VOR-15-00009-GAZII-009-B	Impact of Walkthrough for Al Berkah Supply line 1, Supply line 2 & Distribution Line.	$ 8,153.60	0	Noted
VOR-15-00009-GAZII-010-A	Impact of Walkthrough for Maan Distribution Pipeline.	$ 4,394.80	0	Response
VOR-15-00009-GAZII-010-B	Impact of Walkthrough for Maan Distribution Pipeline.	$ 9,794.80	0	to provide supporting document
VOR-15-00009-GAZII-010-C	Impact of Walkthrough for Maan Distribution Pipeline.	$ (13,485.20)	0	Noted
VOR-15-00009-GAZII-011-A	Replace Pad-Mount Transformer by Pole Mount Transformer For Al Berkah Project	$ 81,188.00	21	to provide supporting document
VOR-15-00009-GAZII-011-B	Replace Pad-Mount Transformer by Pole Mount Transformer For Al Berkah Project	$ 76,250.00	21	Noted & to Revise
VOR-15-00009-GAZII-011-C	Replace Pad-Mount Transformer by Pole Mount Transformer For Al Berkah Project	$ 72,652.00	21	Price is high

VOR No.	Description	Cost ($)	Time	Status
VOR-15-00009-GAZII-011-D	Replace Pad-Mount Transformer by Pole Mount Transformer For Al Berkah Project	$ 71,367.00	21	Noted
VOR-15-00009-GAZII-012-A	Replace Pad-Mount Transformer by Pole Mount Transformer For Maan Project	$ 112,039.00	21	to provide supporting document
VOR-15-00009-GAZII-012-B	Replace Pad-Mount Transformer by Pole Mount Transformer For Maan Project	$ 107,905.00	21	to provide supporting document
VOR-15-00009-GAZII-012-C	Replace Pad-Mount Transformer by Pole Mount Transformer For Maan Project	$ 95,555.00	21	Price is high
VOR-15-00009-GAZII-012-D	Replace Pad-Mount Transformer by Pole Mount Transformer For Maan Project	$ 92,370.00	21	Noted
VOR-15-00009-GAZII-013-A	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	~~$ 40,000.00~~	~~0~~	Retracted
VOR-15-00009-GAZII-013-A	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	$ 50,000.00	0	to provide supporting document
VOR-15-00009-GAZII-013-B	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	$ 50,000.00	0	Price is high
VOR-15-00009-GAZII-013-C	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	~~$ 50,000.00~~	~~0~~	Retracted
VOR-15-00009-GAZII-013-C	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	~~$ 45,000.00~~	~~0~~	Retracted
VOR-15-00009-GAZII-013-C	Increase the Generator Capacity of Ma'an Site to an upgraded Gen P500	$ 45,000.00	0	Noted
VOR-15-00009-GAZII-014-A	Modified Layout for Ma'an No.02 Reservoir	$ 86,354.70	45	Price is high
VOR-15-00009-GAZII-014-B	Modified Layout for Ma'an No.02 Reservoir	~~$ 46,062.70~~	~~45~~	Retracted
VOR-15-00009-GAZII-014-B	Modified Layout for Ma'an No.02 Reservoir	~~$ 28,792.70~~	~~45~~	Retracted
VOR-15-00009-GAZII-014-B	Modified Layout for Ma'an No.02 Reservoir	$ 23,463.70	45	Response
VOR-15-00009-GAZII-014-C	Modified Layout for Ma'an No.02 Reservoir	47,647.34 $	21	under review
VOR-15-00009-GAZII-015-A	Fire Alarm System for Guard House, Disinfection Building and Electrical & Control Building at Al Berkah Project.	$ 4,134.00	0	Response
VOR-15-00009-GAZII-016-A	Fire Alarm System for Disinfection Building and Electrical & Control Building at Ma'an Project.	$ 1,951.00	0	Response
VOR-15-00009-GAZII-017-A	Use steel pipes above the ground level instead of DI pipes for Al Berkah Project	$ -	0	Response
VOR-15-00009-GAZII-018-A	Use steel pipes above the ground level instead of DI pipes for Ma'an Project	$ -	0	Response
VOR-15-00009-GAZII-019-A	CMU Veneer Walls for Electrical & Control Building and Guard House at Al Berkah Site and Control & Electrical Building at Ma'an Site	$ (793.00)	0	Response

30. Obstacles and Challenges

30.1 Project 01: Al Berkah

- No obstacles observed until this reporting period.

30.2 Project 02: Ma'an

- No obstacles observed until this reporting period.

31. Progress Photos

31.1 Project 01: Al Berkah Reservoir and Pumping Facilities

Photo #01 (Shuttering the First Face for the Third Level of Quarter (A) of Reservoir's Walls.)

Photo #02 (Shuttering the Reservoir Columns)

Photo #03 (Steel Reinforcement for Electrical and Control Building Walls)

Photo #04 (Backfilling Under the Slab on Grade of Disinfection Building)

Photo #05 (Shuttering the First Face for the Third Level of Quarter (A) of Reservoir's Walls)

Photo #06 (Backfilling Under the Slab on Grade of Disinfection Building)

Photo #07 (Shuttering the second face for electrical and control building walls)

Photo #08 (Casting Concrete for Reservoir's Columns)

Photo #09 (Casting Concrete for Electrical and Control Building Walls)

Photo #10 (Steel Reinforcement for the Third Stage of Quarter (A) of Reservoir's Walls)

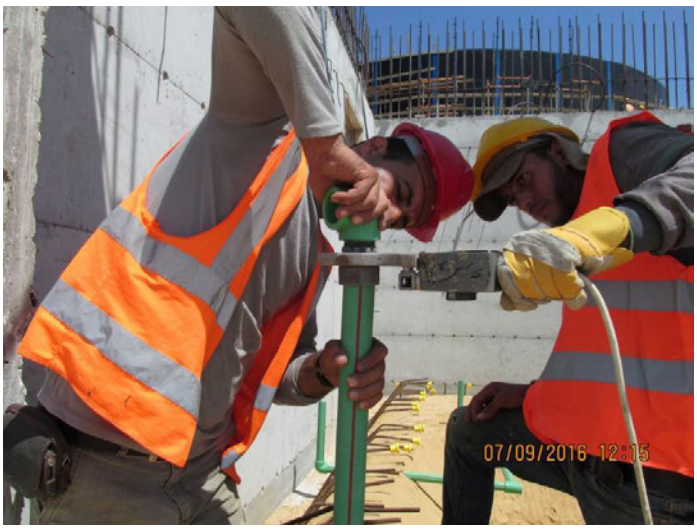


Photo #11 (Mechanical Installation Under the Slab On Grade of Disinfection Building)

Photo #12 (Shuttering for Roof Slab of the Guard House Building)

Photo #13 (Formwork for the Slab on Grade of Disinfection Building)

Photo #14 (Shuttering the Second Face for the Third Stage of Quarters (A) of Reservoir's Walls)

Photo #15 (Steel Reinforcement for the Roof Slab of the Guard House Building)

Photo #16 (Electrical Installation for the Slab On Grade of Disinfection Building)

Photo #17 (Shuttering Works for the Roof Slab of the Electrical and Control Building)

Photo #18 (Excavation, Pipe Installation, Backfilling and Compacting for the Supply Line 2 From (ST. 1+10.39) to (ST. 1+58.30))

Photo #19 (Restrain Joint Fixing)

Photo #20 (Fixing the Pipeline Warning Tape)

Photo #21 (Shuttering Works for the Roof Slab of the Electrical and Control Building)

Photo #22 (Mechanical Installation for the Third Stage of Quarter (C) of Reservoir's Walls.)

Photo #23 (Excavation, Pipe Installation, Backfilling and Compacting for the Supply Line 2 From (ST. 1+58.39) to (ST. 1+179.39))

Photo #24 (Casting Concrete for the Third Stage of Quarter (A) of Reservoir's Walls.)

Photo #25 (Excavation, Pipe Installation, Backfilling and Compacting for the Supply Line 2 from (ST. 1+182.19) to (ST. 1+285.89))

Photo #26 (Shuttering the Second Face for the Third Stage of Quarter (C) of Reservoir's Walls)

Photo #27 (Excavation, Pipe Installation, Backfilling and Compacting for the Supply Line 2 from (1+285.89) to (ST. 1+407.89))

Photo #28 (Casting Concrete for the Roof Slab of the Guard House Building)

Photo #29 (Casting Concrete for the Slab on Grade of Disinfection Building)

Photo #30 (Excavation and Pipe Installation for the Supply Line 2 from (ST. 1+407.89) to (ST. 1+450.59))

Photo #31 (Backfilling and Compacting for the Supply Line 2 from (ST. 1+407.89) to (ST. 1+450.59).)

Photo #32 (Help Students to Cross the Road.)

Photo #33 (Excavation and Pipe Installation for the Supply Line 2 from (ST. 1+450.59) to (ST. 1+566.99))

Photo #34 (Shuttering Roof Slab for Disinfection Building)

Photo #35 (Casting Concrete for the Third Stage of Quarter (C) of Reservoir's Walls.)

Photo #36 (Excavation and Pipe Installation for the Supply Line 2 from (St. 1+566.99) to (St 1+689.49).)

Photo #37 (Excavation and Pipe Installation for the Supply Line 2 from St. 1+689.49 to St. 1+762.69).

Photo #38 (Shuttering The First Face of the Third Level of Quarter (B) for Reservoir's Walls.)

Photo #39 (Excavation, Pipe Installation, Backfilling and Compacting for the Distribution Line 1 from St. 2+228 to St. 2+185.3)

Photo #40 (Shuttering The First Face of the Third Level of Quarter (B, D) for Reservoir's Walls)

Photo #41 (Steel Reinforcement for Roof Slab for Disinfection Building)

Photo #42 (Excavation, Pipe Installation, Backfilling and Compacting for the Distribution Line 1 from St. 2+185.30 to St. 2+087.70

Photo #43 (Casting Concrete for Roof Slab for Disinfection Building.).

Photo #44 (Start Steel Reinforcement Works for Reservoir's Walls)

Photo #45 (Excavation, Pipe Installation, Backfilling and Compacting for the Distribution Line 1 from St. 2+087.70 to St 2+026.70.)

Photo #46 (Excavation, Pipe Installation, Backfilling and Compacting for the Distribution Line 1 from St. 2+185.30 to St. 2+087.70)

31.2 Project 02: Ma'an Reservoir and Pumping Facilities

Photo #01 (Bitumen Coating for the Electrical and Control Building Foundation)

Photo #02 (Backfilling Works Inside Disinfection Building)

Photo #03 (Backfilling, Leveling and Compaction Works inside Electrical and Control Building)

Photo #04 (Steel fixing for ground floor of electrical & control building)

Photo#05 (Steel Angles Fixing for Slab On Grade Edges of Electrical & Control Building)

Photo #06 (Casting Concrete for Slab on Grade of Electrical & Control Building)

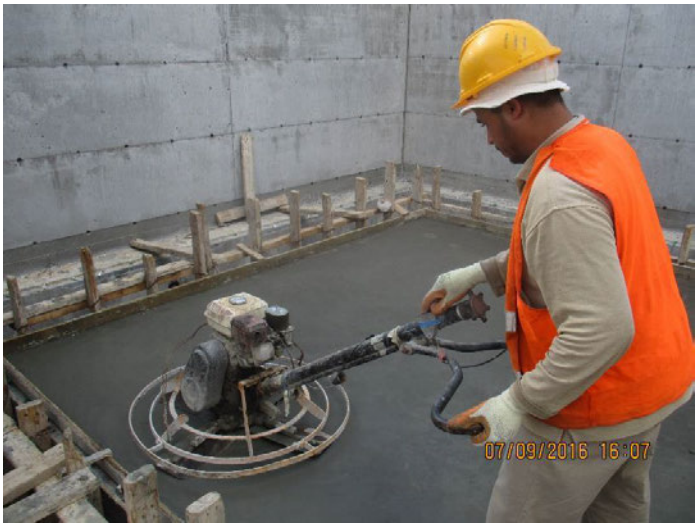


Photo #07 (Mechanical Troweling for Concrete Surface)

Photo #08 (Bitumen Coating for the External Side of Electrical and Control Building Foundation.)

Photo #09 (Steel Reinforcement for the Slab on Grade of Disinfection Building)

Photo #10 (Bitumen Coating for External Face of the Disinfection Building Foundation)

Photo #11 (Taking Samples for the Compacted Layers inside Disinfection Building)

Photo #12 (Backfilling and Compaction around the Foundations of Electrical and Control and Disinfection Buildings)

Photo #13 (Mechanical Pre-Installation Works for the Slab on Grade of Disinfection Building.)

Photo #14 (Shuttering Works for the Slab on Grade of Disinfection Building)

Photo #15 (Steel Reinforcement for the Slab on Grade of Disinfection Building)

Photo #16 (Shuttering Works for The Roof Slab of Electrical and Control Building)

Photo #17 (Mechanical Installation for the Slab on Grade of Disinfection Building)

Photo #18 (Shuttering Works for The Roof Slab of Electrical and Control Building)

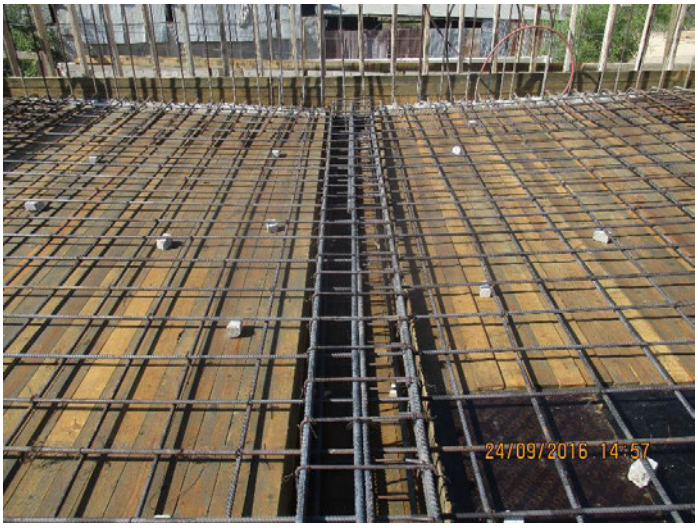


Photo #19 (Steel reinforcement for The Roof Slab of Electrical and Control Building)

Photo #20 (Electrical Works for Disinfection Building Slab on Grade)

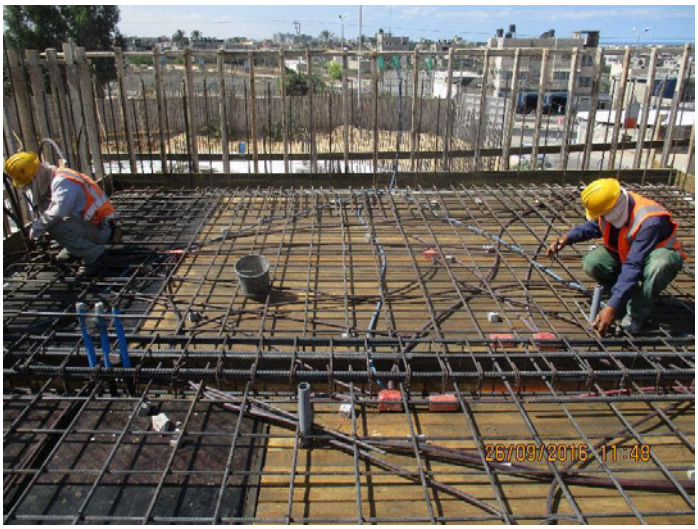


Photo #21 (Mechanical installation for The Roof Slab of Electrical and Control Building)

Photo #22 (Preparation Works to Start Steel Works for Reservoir's Walls)

Photo #23 (Preparation Works to Start Steel Works for Reservoir's Walls)

Photo #24 (Casting Concrete for Roof Slab of Electrical and Control Building)

Photo #25 (Casting Concrete for Slab on Grade of Disinfection Building)

Photo #26 (USAID COR Visit)

Photo #27 (Shuttering Works and Scaffolding Installation for Reservoir's Columns)

ANNEXES

Annex A - Materials- Equipment Receiving Log

1. **Project 01: Al Berkah:**

Materials Delivered on Site:

Date	Description	Quantity
September 7, 2016	35 MPa Concrete	44.50 cu. M
	Seismic Cans	40 ea.
September 18, 2016	Clean Sand	100 cu. M
	Water	30 cu. M
September 19, 2016	35 MPa Concrete	34.3 cu. M
	Water	30 cu. M
	Clean Sand	100 cu. M
September 20, 2016	Water	40 cu. M
	Clean Sand	80cu. M
September 21, 2016	35 MPa Concrete	17 cu. M
	Water	40 cu. M
	Clean Sand	120 cu. M
September 22, 2016	Water	40 cu. M
	Clean Sand	100 cu. M
September 24, 2016	35 MPa Concrete	30 cu. M
	Water	40 cu. M
	Clean Sand	120 cu. M
September 25, 2016	Water	40 cu. M
	Clean Sand	160 cu. M
September 26, 2016	Water	40 cu. M
	Clean Sand	80 cu. M
September 27, 2016	Water	40 cu. M
	Clean Sand	120 cu. M
September 28, 2016	35 MPa Concrete	13 cu. M
	Water	40 cu. M
	Clean Sand	320 cu. M
September 29, 2016	Water	40 cu. M
	Clean Sand	240 cu. M

Equipment on Site:

DATE	Equipment Type		Equip-ment Type		Equip-ment Type		Equip-ment Type		Equipment Type		Equip-ment Type		Equipment Type	
	Loader, CAT 950F, 2001		Back-hoe, CAT		Water Tank		Crane, F12		Concrete pump, Putzmester		Mixer, Volvo 400		Truck	
	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle
September 1, 2016							1	-						
September 3, 2016							1	-						
September 4, 2016							1	-						
September 5, 2016							1	-						
September 7, 2016									1	-	5	-		
September 17, 2016							1	-						
September 18, 2016	1	-	1	-	3	-	1	-						
September 19, 2016	1	-	1	-	3	-			1	-	4	-		
September 20, 2016	1	-	1	-	4	-	1	-						
September 21, 2016	1	-	1	-	4	-	1	-	1	-	2	-		
September 22, 2016	2	-	1	-	4	-	1	-					1	-
September 24, 2016	1	-	1	-	1	-	1	-	1	-	3	-	1	-
September 25, 2016	1	-	1	-	1	-	1	-					1	-
September 26, 2016	1	-	1	-	1	-	1	-					1	-
September 27, 2016	1	-	1	-	1	-	1	-					1	-
September 28, 2016	1	-	1	1	1	-	1	-	1	-	3	-	1	-
September 29, 2016	1	-	1	1	1	-	1	-					1	-
Total of Month	**12**	**0**	**11**	**2**	**24**	**0**	**15**	**0**	**5**	**0**	**17**	**0**	**7**	**0**

2. **Project 02: Ma'an:**

Materials Delivered on Site:

Date	Description	Qty
September 1, 2016	Sand	40 cu. M
September 7, 2016	35 MPa Concrete	5 cu. M
September 17, 2016	Sand	40 cu. M
September 18, 2016	Sand	40 cu. M
September 27, 2016	Ø25 Steel Rebar	40 ton
	Ø20 Steel Rebar	20 ton
September 28, 2016	35 MPa Concrete	22.5 cu. M

Equipment on Site:

DATE	Equipment Type		Equipment Type	
	Loader, CAT 950E, 2001		Mixer, Volvo 400	
	Quantity in Use	Quantity Idle	Quantity in Use	Quantity Idle
September 7, 2016			1	-
September 18, 2016	1	-		
September 21, 2016	1	-		
September 28, 2016	1	-	3	-
Total of Month	**3**	**0**	**4**	**0**

Annex B - One Month Look Ahead

Note:

- The attachment is based on the approved Revised CPM schedule as per VO1

TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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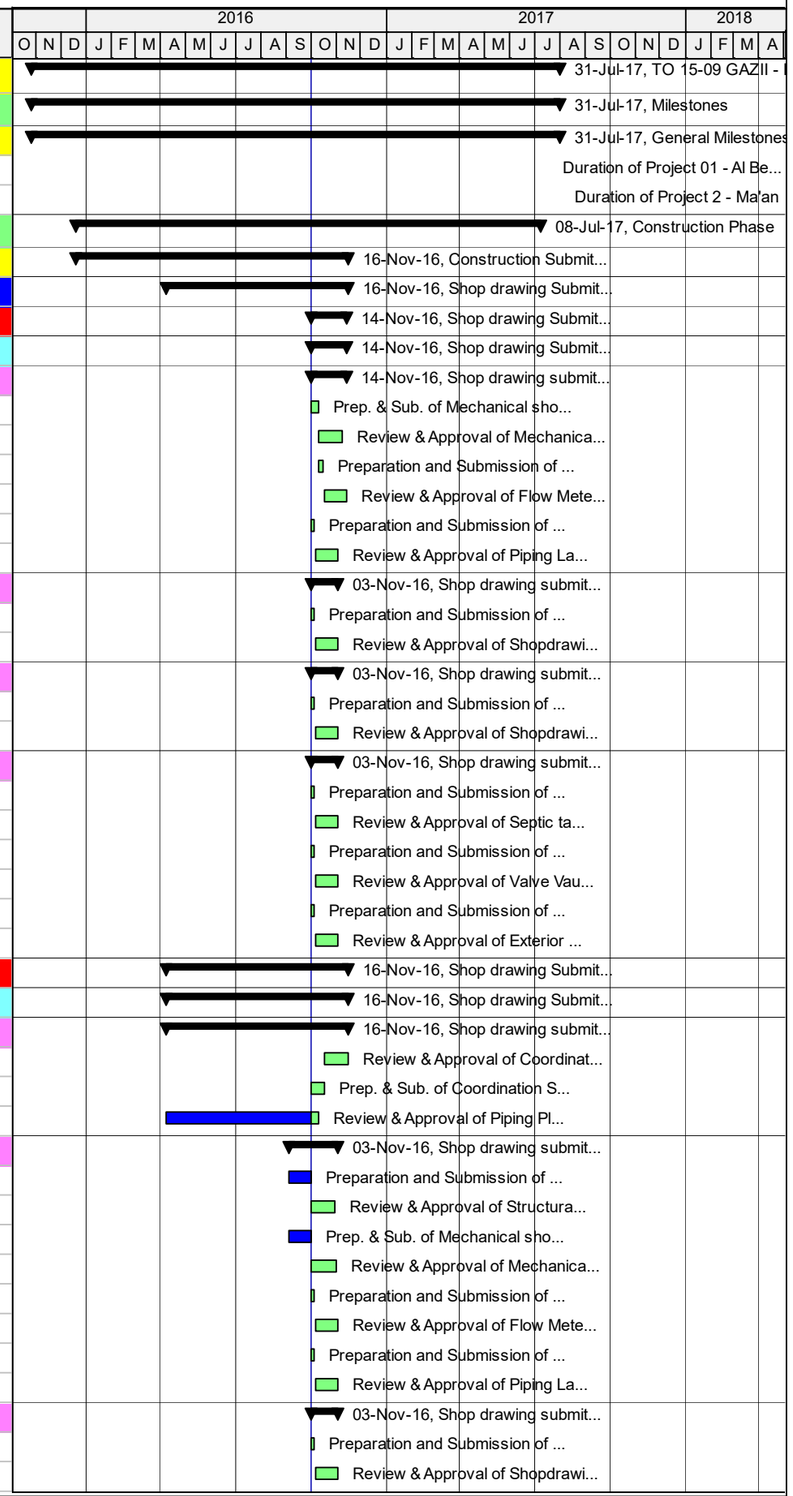
Activity ID	Activity Name	Original Duration	Start	Finish
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II				
Milestones				
General Milestones				
A1005	Duration of Project 01 - Al Berkah Reservoir and Pumping Facilities	463.63	26-Oct-15 A	17-Jul-17
A1020	Duration of Project 2 - Ma'an Reservoir and Pumping Facilities	463.63	26-Oct-15 A	31-Jul-17
Construction Phase				
Construction Submittals				
Shop drawing Submittals				
Shop drawing Submittals for Project 1 - Al Berkah Reservoir and Pumping Facilities				
Shop drawing Submittals for Al Berkah Reservoir and Pumping Facilities				
Shop drawing submittals for Al Berkah Booster Pump Station				
BER-SD-BP-1020	Prep. & Sub. of Mechanical shopdrawing for Al Berkah Booster Pump Station	9.00	01-Oct-16	10-Oct-16
BER-SD-BP-1030	Review & Approval of Mechanical shopdrawing for Al Berkah Booster Pump Station	21.00	11-Oct-16	08-Nov-16
BER-SD-BP-1100	Preparation and Submission of Flow Meters Mechanical shop drawing for Al Berkah Booster Pump Station	5.00	11-Oct-16	16-Oct-16
BER-SD-BP-1110	Review & Approval of Flow Meters Mechanical shop drawing for Al Berkah Booster Pump Station	21.00	17-Oct-16	14-Nov-16
BER-SD-BP-1120	Preparation and Submission of Piping Layout shop Drawing for Al Berkah Booster Pump Station	5.00	01-Oct-16	05-Oct-16
BER-SD-BP-1130	Review & Approval of Piping Layout shop Drawing for Al Berkah Booster Pump Station	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Al Berkah Diesel Generator				
BER-SD-DG-1000	Preparation and Submission of Shopdrawing for Al Berkah Diesel Generator	5.00	01-Oct-16	05-Oct-16
BER-SD-DG-1010	Review & Approval of Shopdrawing for Al Berkah Diesel Generator	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Al Berkah Primary Power and Supply Transformer				
BER-SD-T-1000	Preparation and Submission of Shopdrawing for Al Berkah Primary Power and Supply Transformer	5.00	01-Oct-16	05-Oct-16
BER-SD-T-1010	Review & Approval of Shopdrawing for Al Berkah Primary Power and Supply Transformer	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Al Berkah Site Work - Site Utilities				
BER-SD-RES-1180	Preparation and Submission of Septic tank for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1190	Review & Approval of Septic tank for Al Berkah site	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1200	Preparation and Submission of Valve Vault for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1210	Review & Approval of Valve Vault for Al Berkah site	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1240	Preparation and Submission of Exterior Gate for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1250	Review & Approval of Exterior Gate for Al Berkah site	21.00	06-Oct-16	03-Nov-16
Shop drawing Submittals for Project 2 - Ma'an Reservoir and Pumping Facilities				
Shop drawing Submittals for Ma'an Reservoir and Pumping Facilities				
Shop drawing submittals for Ma'an Reservoir - 3,800 m3				
MAN-SD-RES-1280	Review & Approval of Coordination Shop drawing for Ma'an Reservoir	21.00	18-Oct-16	16-Nov-16
MAN-SD-RES-1290	Prep. & Sub. of Coordination Shop drawing for Ma'an Reservoir	15.00	01-Oct-16	17-Oct-16
MAN-SD-RES-1350	Review & Approval of Piping Plan & Sections shop Drawing for Ma'an Reservoir	21.00	07-Apr-16 A	10-Oct-16
Shop drawing submittals for Ma'an Booster Pump Station				
MAN-SD-BP-1140	Preparation and Submission of Structural & Architectural Shopdrawing for Ma'an Booster Pump Station	5.00	04-Sep-16	02-Oct-16
MAN-SD-BP-1150	Review & Approval of Structural & Architectural Shopdrawing for Ma'an Booster Pump Station	21.00	02-Oct-16	31-Oct-16
MAN-SD-BP-1160	Prep. & Sub. of Mechanical shopdrawing for Ma'an Booster Pump Station	9.00	04-Sep-16	02-Oct-16
MAN-SD-BP-1170	Review & Approval of Mechanical shopdrawing for Ma'an Booster Pump Station	21.00	02-Oct-16	31-Oct-16
MAN-SD-BP-1220	Preparation and Submission of Flow Meters Mechanical shop drawing for Ma'an Booster Pump Station	5.00	01-Oct-16	05-Oct-16
MAN-SD-BP-1230	Review & Approval of Flow Meters Mechanical shop drawing for Ma'an Booster Pump Station	21.00	06-Oct-16	03-Nov-16
MAN-SD-BP-1240	Preparation and Submission of Piping Layout shop Drawing for Ma'an Booster Pump Station	5.00	01-Oct-16	05-Oct-16
MAN-SD-BP-1250	Review & Approval of Piping Layout shop Drawing for Ma'an Booster Pump Station	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Ma'an Diesel Generator				
MAN-SD-DG-1020	Preparation and Submission of Shopdrawing for Ma'an Diesel Generator	5.00	01-Oct-16	05-Oct-16
MAN-SD-DG-1030	Review & Approval of Shopdrawing for Ma'an Diesel Generator	21.00	06-Oct-16	03-Nov-16



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

TASK filter: 4W.

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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
Shop drawing submittals for Ma'an Primary Power and Supply Transformer				
MAN-SD-T-1020	Preparation and Submission of Shopdrawing for Ma'an Primary Power and Supply Transformer	5.00	01-Oct-16	05-Oct-16
MAN-SD-T-1030	Review & Approval of Shopdrawing for Ma'an Primary Power and Supply Transformer	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Ma'an Distribution Pipeline				
Valves and Vaults				
Connections - Gate Valves Chambers				
MAN-SD-SDP-2250	Review & Approval of Shop drawing for Connection #1, Line MD1, Station 1+105 : Complete DN 150mm flanged Gate Val\	21.00	26-Jun-16 A	02-Oct-16
Combination Air Valve Chambers				
MAN-SD-SDP-2130	Review & Approval of Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 280mm	21.00	26-Jun-16 A	02-Oct-16
Material Submittals				
Civil Material Submittals				
GAZII-CMS-1140	Prep. & Submit Concrete Block Masonary	7.00	20-Aug-16	08-Oct-16
GAZII-CMS-1150	Review & Approval of Concrete Block Masonary	21.00	29-Aug-16	30-Oct-16
GAZII-CMS-1160	Prep. & Submit Rough & Finish Carpentary	7.00	09-Oct-16	16-Oct-16
GAZII-CMS-1170	Review & Approval of Rough & Finish Carpentary	21.00	17-Oct-16	14-Nov-16
GAZII-CMS-1180	Prep. & Submit Steel Doors & Frames	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1190	Review & Approval of Steel Doors & Frames	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1200	Prep. & Submit Flush Wood Doors	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1210	Review & Approval of Flush Wood Doors	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1220	Prep. & Submit Coiling Doors & Grilles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1230	Review & Approval of Coiling Doors & Grilles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1240	Prep.&Submit Aluminum Windows	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1250	Review & Approval of Aluminum Windows	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1260	Prep.&Submit Plastering Accessories	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1270	Review & Approval of Plastering Accessories	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1280	Prep.&Submit Terrazzo Tiles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1290	Review & Approval of Terrazzo Tiles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1300	Prep.&Submit Ceramic Tiles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1310	Review & Approval of Ceramic Tiles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1340	Prep.&Submit MC Prime Coat	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1350	Review & Approval of MC Prime Coat	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1400	Prep.&Submit of Pipe Support	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1410	Review & Approval of Pipe Support	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1420	Prep.&Submit of Manhole rung	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1430	Review & Approval of Manhole rung	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1480	Prep. & Submit of metalwork including hatches, vents, ladders, railings, grating, etc.	7.00	10-Feb-16 A	08-Oct-16
GAZII-CMS-1490	Review & Approval of metalwork including hatches, vents, ladders, railings, grating, etc.	21.00	14-Feb-16 A	30-Oct-16
GAZII-CMS-1500	Prep. & Submit of Container for Ma'an	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1510	Review & Approval of Container for Ma'an	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1540	Prep. & Submit of Roof membrane	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1550	Review & Approval of Roof membrane	21.00	09-Oct-16	06-Nov-16
Mechanical Material Submittals				
GAZII-MMS-1240	Prep. & Sub. Pressure Gauges & Snubbers	5.00	20-Dec-15	01-Oct-16
GAZII-MMS-1250	Review & Approval of Pressure Gauges & Snubbers	21.00	23-Dec-15	20-Oct-16
GAZII-MMS-1420	Prep. & Sub. Booster Pump Control Valves	5.00	20-Feb-16 A	01-Oct-16
GAZII-MMS-1430	Review & Approval of Booster Pump Control Valves	21.00	23-Feb-16 A	10-Oct-16
GAZII-MMS-3120	Prep. & Sub. of Ventilation with FRG duct	15.00	01-Oct-16	17-Oct-16
GAZII-MMS-3130	Review & Approval of Ventilation with FRG duct	21.00	18-Oct-16	16-Nov-16

Actual Work | Critical Remaining Work | Summary
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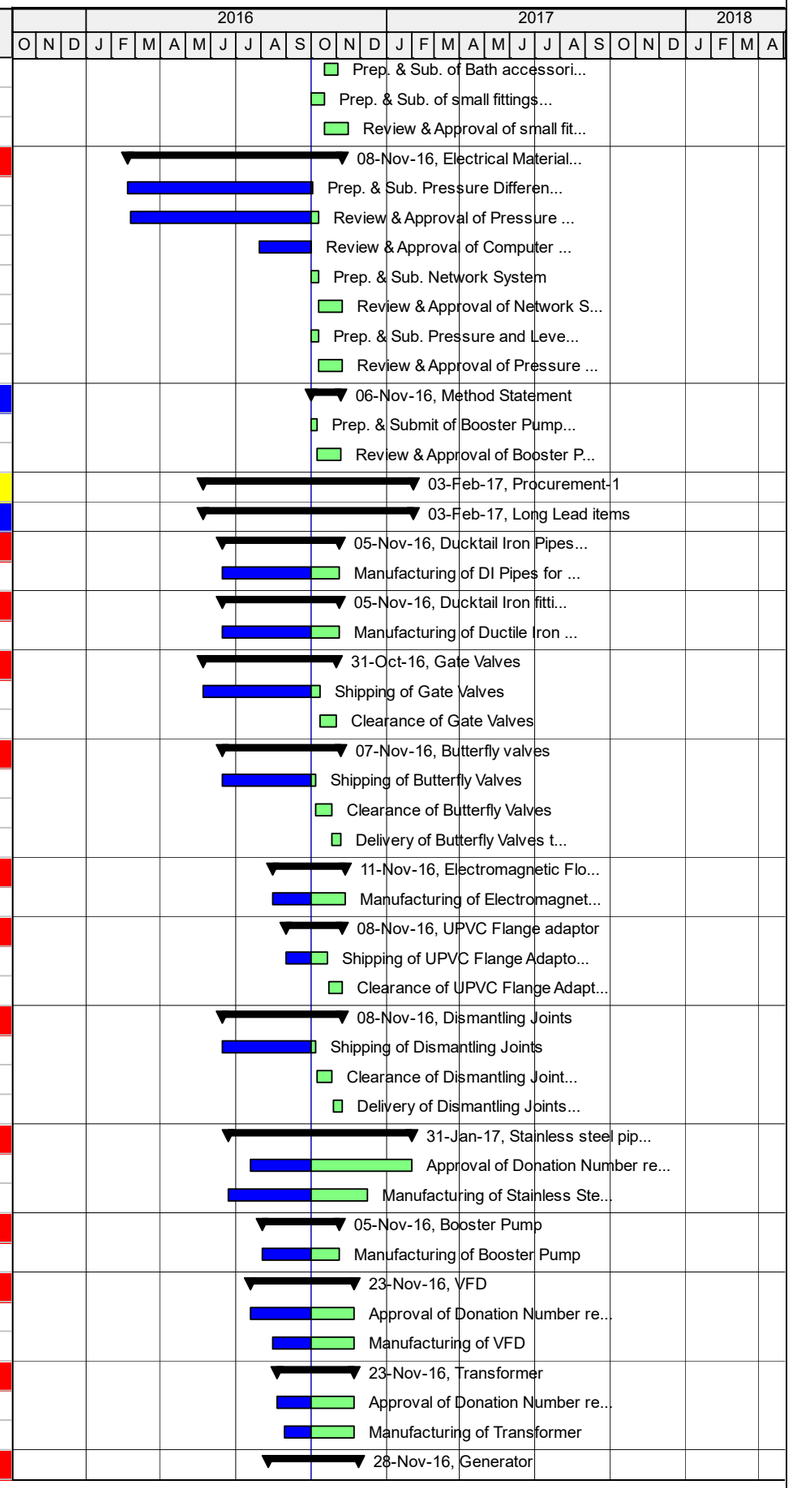
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-MMS-3140	Prep. & Sub. of Bath accessories	15.00	18-Oct-16	03-Nov-16
GAZII-MMS-3160	Prep. & Sub. of small fittings for disinfection building and duct	15.00	01-Oct-16	17-Oct-16
GAZII-MMS-3170	Review & Approval of small fittings for disinfection building and duct	21.00	18-Oct-16	16-Nov-16
Electrical Material Submittals				
GAZII-EMS-100	Prep. & Sub. Pressure Differential switches	9.00	20-Feb-16 A	03-Oct-16
GAZII-EMS-110	Review & Approval of Pressure differential switches	21.00	25-Feb-16 A	10-Oct-16
GAZII-EMS-690	Review & Approval of Computer System Hardware	21.00	31-Jul-16 A	02-Oct-16
GAZII-EMS-700	Prep. & Sub. Network System	9.00	01-Oct-16	10-Oct-16
GAZII-EMS-710	Review & Approval of Network System	21.00	11-Oct-16	08-Nov-16
GAZII-EMS-740	Prep. & Sub. Pressure and Level Instrument	9.00	01-Oct-16	10-Oct-16
GAZII-EMS-750	Review & Approval of Pressure and Level Instrument	21.00	11-Oct-16	08-Nov-16
Method Statement				
GAZII-MS-1600	Prep. & Submit of Booster Pump installation method statement	7.00	01-Oct-16	08-Oct-16
GAZII-MS-1610	Review & Approval of Booster Pump installation method statement	21.00	09-Oct-16	06-Nov-16
Procurement-1				
Long Lead items				
Ducktail Iron Pipes for Booster Station				
PROC-1160	Manufacturing of DI Pipes for BS	60.00	15-Jun-16 A	05-Nov-16
Ducktail Iron fittings				
PROC-1260	Manufacturing of Ductile Iron Fittings	40.00	15-Jun-16 A	05-Nov-16
Gate Valves				
PROC-1320	Shipping of Gate Valves	21.00	22-May-16	12-Oct-16
PROC-1330	Clearance of Gate Valves	14.00	13-Oct-16	31-Oct-16
Butterfly valves				
PROC-1370	Shipping of Butterfly Valves	21.00	16-Jun-16 A	06-Oct-16
PROC-1380	Clearance of Butterfly Valves	14.00	07-Oct-16	26-Oct-16
PROC-1390	Delivery of Butterfly Valves to project site	10.00	27-Oct-16	07-Nov-16
Electromagnetic Flow Meter				
PROC-1410	Manufacturing of Electromagnetic Flow Meters	95.00	15-Aug-16	11-Nov-16
UPVC Flange adaptor				
PROC-1470	Shipping of UPVC Flange Adaptor	21.00	01-Sep-16	21-Oct-16
PROC-1480	Clearance of UPVC Flange Adaptor	14.00	23-Oct-16	08-Nov-16
Dismantling Joints				
PROC-1570	Shipping of Dismantling Joints	21.00	16-Jun-16 A	07-Oct-16
PROC-1580	Clearance of Dismantling Joints	14.00	09-Oct-16	27-Oct-16
PROC-1590	Delivery of Dismantling Joints to project site	10.00	28-Oct-16	08-Nov-16
Stainless steel pipes and fitting				
DN-1250	Approval of Donation Number request for Stainless Steel Pipes and Fittings	100.00	20-Jul-16 A	31-Jan-17
PROC-1610	Manufacturing of Stainless Steel Pipes and Fittings	70.00	23-Jun-16 A	09-Dec-16
Booster Pump				
PROC-1660	Manufacturing of Booster Pump	105.00	04-Aug-16	05-Nov-16
VFD				
DN-1290	Approval of Donation Number request for VFD	100.00	20-Jul-16 A	23-Nov-16
PROC-1710	Manufacturing of VFD	100.00	15-Aug-16	23-Nov-16
Transformer				
DN-1310	Approval of Donation Number request for Transformer	80.00	22-Aug-16	23-Nov-16
PROC-1760	Manufacturing of Transformer	93.00	31-Aug-16	23-Nov-16
Generator				



Actual Work | Critical Remaining Work | Summary
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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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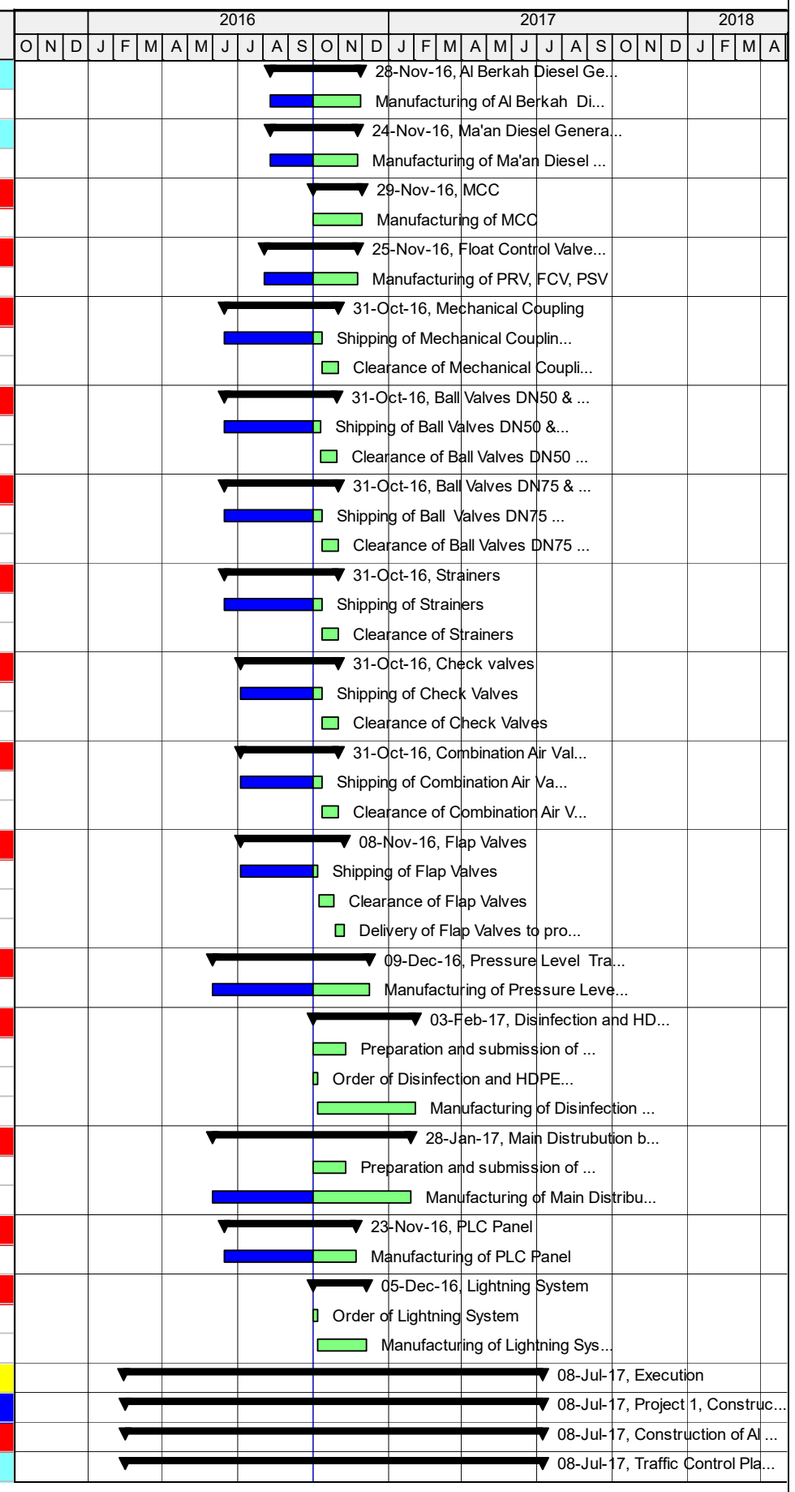
Activity ID	Activity Name	Original Duration	Start	Finish
Al Berkah Diesel Generator				
PROC-1810	Manufacturing of Al Berkah Diesel Generator	80.00	10-Aug-16	28-Nov-16
Ma'an Diesel Generator				
PROC-2560	Manufacturing of Ma'an Diesel Generator	80.00	10-Aug-16	24-Nov-16
MCC				
PROC-1860	Manufacturing of MCC	60.00	01-Oct-16	29-Nov-16
Float Control Valve, Flow Control Valve, Pressure Reducing Valve, Pressure Sustaining Valve (DARB)				
PROC-1910	Manufacturing of PRV, FCV, PSV	70.00	04-Aug-16	25-Nov-16
Mechanical Coupling				
PROC-1970	Shipping of Mechanical Coupling	21.00	16-Jun-16 A	11-Oct-16
PROC-1980	Clearance of Mechanical Coupling	14.00	13-Oct-16	31-Oct-16
Ball Valves DN50 & Smaller				
PROC-2070	Shipping of Ball Valves DN50 & Smaller	21.00	16-Jun-16 A	11-Oct-16
PROC-2080	Clearance of Ball Valves DN50 & Smaller	14.00	11-Oct-16	31-Oct-16
Ball Valves DN75 & Larger				
PROC-2120	Shipping of Ball Valves DN75 & Larger	21.00	16-Jun-16 A	12-Oct-16
PROC-2130	Clearance of Ball Valves DN75 & Larger	14.00	13-Oct-16	31-Oct-16
Strainers				
PROC-2170	Shipping of Strainers	21.00	16-Jun-16 A	12-Oct-16
PROC-2180	Clearance of Strainers	14.00	13-Oct-16	31-Oct-16
Check valves				
PROC-2220	Shipping of Check Valves	21.00	06-Jul-16 A	12-Oct-16
PROC-2230	Clearance of Check Valves	14.00	13-Oct-16	31-Oct-16
Combination Air Valves				
PROC-2270	Shipping of Combination Air Valves	21.00	05-Jul-16 A	12-Oct-16
PROC-2280	Clearance of Combination Air Valves	14.00	13-Oct-16	31-Oct-16
Flap Valves				
PROC-2320	Shipping of Flap Valves	21.00	06-Jul-16 A	07-Oct-16
PROC-2330	Clearance of Flap Valves	14.00	09-Oct-16	27-Oct-16
PROC-2340	Delivery of Flap Valves to project site	10.00	28-Oct-16	08-Nov-16
Pressure Level Transmitter				
PROC-2360	Manufacturing of Pressure Level Transmitter	120.00	31-May-16	09-Dec-16
Disinfection and HDPE Tank				
DN-1640	Preparation and submission of Donation number request for Disinfection and HDPE Tank	30.00	02-Oct-16	10-Nov-16
PROC-2400	Order of Disinfection and HDPE Tank	6.00	01-Oct-16	06-Oct-16
PROC-2410	Manufacturing of Disinfection and HDPE Tank	120.00	07-Oct-16	03-Feb-17
Main Distrubution board				
DN-1580	Preparation and submission of Donation number request for Main Distribution Board	30.00	02-Oct-16	10-Nov-16
PROC-2460	Manufacturing of Main Distribution Board	120.00	01-Jun-16 A	28-Jan-17
PLC Panel				
PROC-2510	Manufacturing of PLC Panel	100.00	15-Jun-16 A	23-Nov-16
Lightning System				
PROC-1200	Order of Lightning System	6.00	01-Oct-16	06-Oct-16
PROC-1210	Manufacturing of Lightning System	60.00	07-Oct-16	05-Dec-16
Execution				
Project 1, Construction of Al Berkah Reservoir and Pumping Facilities				
Construction of Al Berkah Facilities				
Traffic Control Plan and Safety measures				



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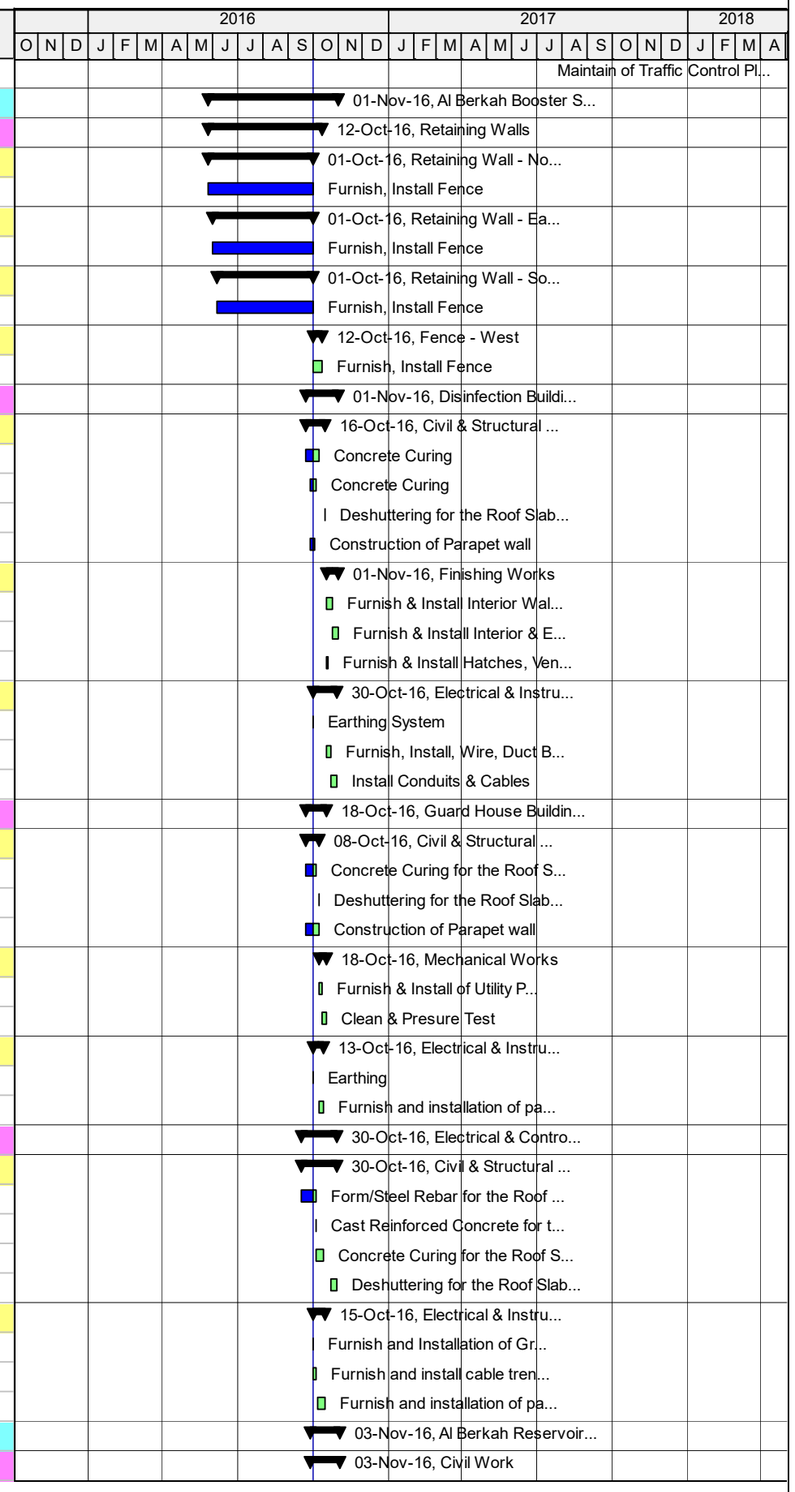
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-2670	Maintain of Traffic Control Plan and Safety measures for Al Berkah Facilities Site	317.07	16-Feb-16 A	08-Jul-17
Al Berkah Booster Station				
Retaining Walls				
Retaining Wall - North				
E-BER-RW-1130	Furnish, Install Fence	2.00	26-May-16	01-Oct-16
Retaining Wall - East				
E-BER-RW-1290	Furnish, Install Fence	2.00	01-Jun-16 A	01-Oct-16
Retaining Wall - South				
E-BER-RW-1330	Furnish, Install Fence	2.00	07-Jun-16 A	01-Oct-16
Fence - West				
E-BER-RW-1380	Furnish, Install Fence	10.00	02-Oct-16	12-Oct-16
Disinfection Building				
Civil & Structural Works				
E-BER-DIS-1070	Concrete Curing	7.00	22-Sep-16	08-Oct-16
E-BER-DIS-1140	Concrete Curing	7.00	29-Sep-16	05-Oct-16
E-BER-DIS-1150	Deshuttering for the Roof Slab & backfilling	2.00	15-Oct-16	16-Oct-16
E-BER-DIS-1420	Construction of Parapet wall	5.00	29-Sep-16	03-Oct-16
Finishing Works				
E-BER-DIS-1160	Furnish & Install Interior Walls	7.00	17-Oct-16	24-Oct-16
E-BER-DIS-1170	Furnish & Install Interior & Exterior Plaster and Stone Coping	7.00	25-Oct-16	01-Nov-16
E-BER-DIS-1230	Furnish & Install Hatches, Vents, Ladders, Grating etc	4.00	17-Oct-16	20-Oct-16
Electrical & Instrumentation Works				
E-BER-DIS-1250	Earthing System	1.00	01-Oct-16	01-Oct-16
E-BER-DIS-1260	Furnish, Install, Wire, Duct Banks & Terminate Lights and Receptacles	5.00	17-Oct-16	22-Oct-16
E-BER-DIS-1270	Install Conduits & Cables	7.00	23-Oct-16	30-Oct-16
Guard House Building				
Civil & Structural Works				
E-BER-GH-1170	Concrete Curing for the Roof Slab	7.00	22-Sep-16	04-Oct-16
E-BER-GH-1180	Deshuttering for the Roof Slab & Backfilling	1.00	08-Oct-16	08-Oct-16
E-BER-GH-1390	Construction of Parapet wall	7.00	22-Sep-16	08-Oct-16
Mechanical Works				
E-BER-GH-1070	Furnish & Install of Utility Piping including Pipe Supports & Valves	4.00	09-Oct-16	12-Oct-16
E-BER-GH-1200	Clean & Presure Test	5.00	13-Oct-16	18-Oct-16
Electrical & Instrumentation Works				
E-BER-GH-1110	Earthing	1.00	01-Oct-16	01-Oct-16
E-BER-GH-1210	Furnish and installation of panels, wires, conduits, cables, lights	5.00	09-Oct-16	13-Oct-16
Electrical & Control Building				
Civil & Structural Works				
E-BER-ECB-1130	Form/Steel Rebar for the Roof Slab	5.00	17-Sep-16	04-Oct-16
E-BER-ECB-1140	Cast Reinforced Concrete for the Roof Slab	1.00	04-Oct-16	05-Oct-16
E-BER-ECB-1160	Concrete Curing for the Roof Slab	7.00	05-Oct-16	13-Oct-16
E-BER-ECB-1170	Deshuttering for the Roof Slab & Backfilling	7.00	22-Oct-16	30-Oct-16
Electrical & Instrumentation Works				
E-BER-ECB-1030	Furnish and Installation of Grounding System	1.00	01-Oct-16	01-Oct-16
E-BER-ECB-1040	Furnish and install cable trench brackets complete	5.00	01-Oct-16	05-Oct-16
E-BER-ECB-1150	Furnish and installation of panels, wires, conduits, cables, lights and receptacles Including AC Conduit	8.00	06-Oct-16	15-Oct-16
Al Berkah Reservoir - Construction of new 3,800 m3				
Civil Work				



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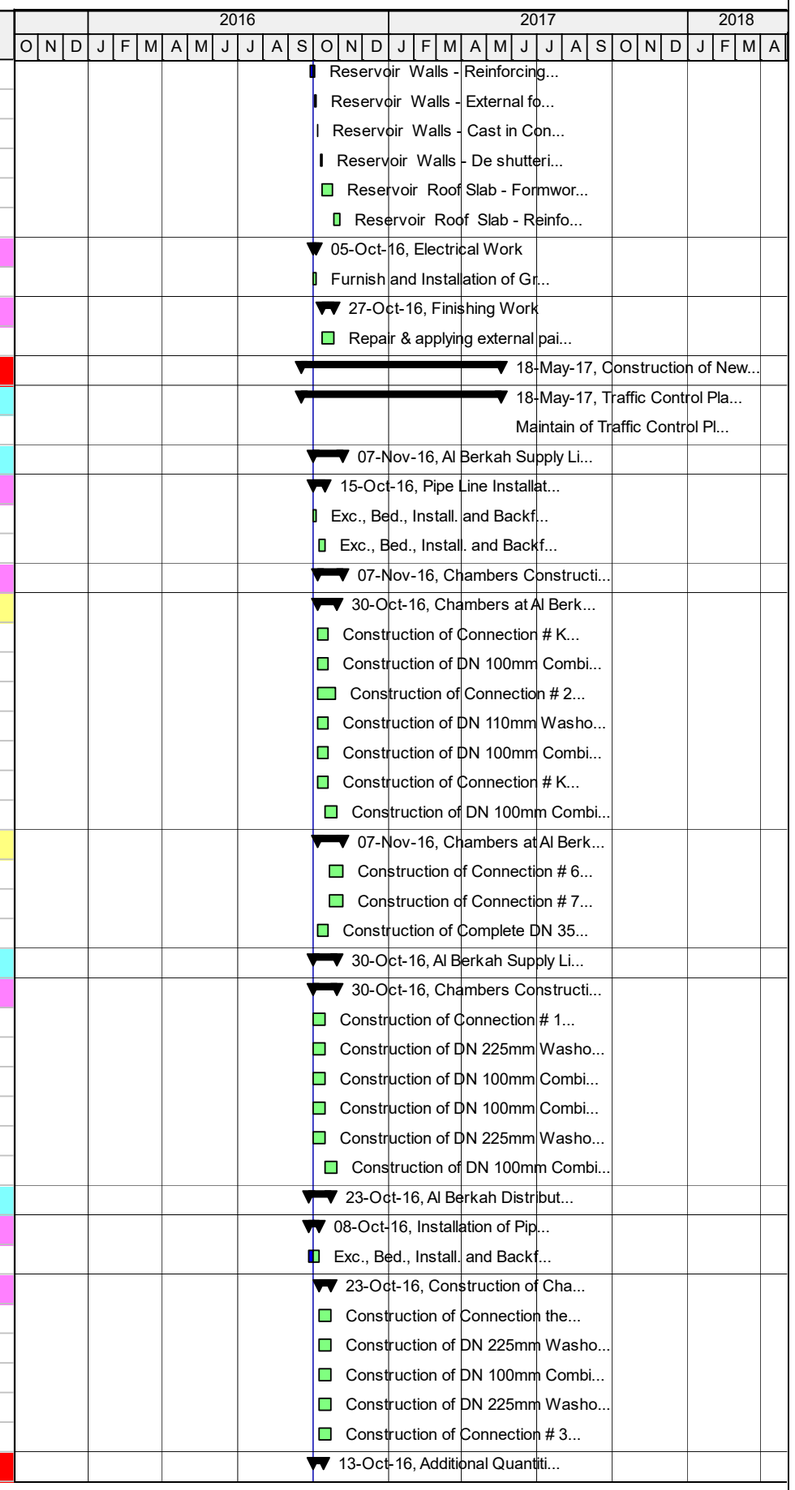
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-RES-1380	Reservoir Walls - Reinforcing steel & vertical water stop installation (Third cycle - Part 2)	5.00	29-Sep-16	03-Oct-16
E-BER-RES-1390	Reservoir Walls - External formwork - (Third cycle - Part 2)	2.00	04-Oct-16	05-Oct-16
E-BER-RES-1400	Reservoir Walls - Cast in Concrete - (Third cycle - Part 2) including Seismic cans	1.00	06-Oct-16	06-Oct-16
E-BER-RES-1410	Reservoir Walls - De shuttering of formwork - (Third cycle - Part 2)	2.00	10-Oct-16	11-Oct-16
E-BER-RES-1420	Reservoir Roof Slab - Formwork	12.00	12-Oct-16	25-Oct-16
E-BER-RES-1440	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8.00	26-Oct-16	03-Nov-16
Electrical Work				
E-BER-RES-1070	Furnish and Installation of Grounding System	5.00	01-Oct-16	05-Oct-16
Finishing Work				
E-BER-RES-1430	Repair & applying external paint for the reservoir	14.00	12-Oct-16	27-Oct-16
Construction of New Supply & Distribution Pipelines				
Traffic Control Plan and Safety measures				
E-BER-7615	Maintain of Traffic Control Plan and Safety measures for Al Berkah pipe lines	179.57	17-Sep-16	18-May-17
Al Berkah Supply Line 1, Dist. Line 1 BS1 1+000 to BS1 1+430				
Pipe Line Installation				
E-BER-SDP-1010	Exc., Bed., Install. and Backfill. Supply Line 1 & Dist. Line 1 from BS1 1+000 to BS1 1+430 (BS1-160mm, BD1- 400, 355mı	5.00	01-Oct-16	05-Oct-16
E-BER-SDP-1220	Exc., Bed., Install. and Backfill. Supply Line 1 from BS1 1+430 to BS1 1+807.41 (BS1-160mm)	6.00	08-Oct-16	15-Oct-16
Chambers Construction				
Chambers at Al Berkah Supply Line 1				
E-BER-SDP-1150	Construction of Connection # K-21, Line BS1, Station 1+075 : Complete DN 150mm flanged Gate Valve Chamber	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1160	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+108	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1170	Construction of Connection # 2, Line BS3, Station 1+020: Complete DN 200mm flanged Gate Valve Chamber	20.00	06-Oct-16	29-Oct-16
E-BER-SDP-1180	Construction of DN 110mm Washout and its chamber on DN 160mm pipe at Station BS1 1+203	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1190	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+295	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1200	Construction of Connection # K-20, Line BS1, Station 1+084 : Complete DN 150mm flanged Gate Valve Chamber	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1300	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+807.41	13.00	15-Oct-16	30-Oct-16
Chambers at Al Berkah Distribution Line 1				
E-BER-SDP-1090	Construction of Connection # 6, Line BD1, Station 1+061 : Complete DN 200mm flanged Gate Valve Chamber	13.00	22-Oct-16	07-Nov-16
E-BER-SDP-1100	Construction of Connection # 7, Line BD1, Station 1+024 : Complete DN 200mm flanged Gate Valve Chamber	13.00	22-Oct-16	07-Nov-16
E-BER-SDP-1105	Construction of Complete DN 350mm flanged Butterfly Valve and its chamber at sta. 1+110 direct on pipeline BD1	13.00	06-Oct-16	20-Oct-16
Al Berkah Supply Line 2				
Chambers Construction				
E-BER-SDP-1030	Construction of Connection # 1, Line BS2, Station 1+638: Complete DN 200mm flanged Gate Valve Chamber	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1040	Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+387	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1050	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+010	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1060	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+454	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1070	Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+569	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1210	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+248	13.00	16-Oct-16	30-Oct-16
Al Berkah Distribution Line 1				
Installation of Pipes				
E-BER-SDP-1080	Exc., Bed., Install. and Backfill. Distribution Line 1 from BD1 1+430 to BD1 2+228.13 (BD1 - 355mm)	9.00	27-Sep-16	08-Oct-16
Construction of Chambers				
E-BER-SDP-1230	Construction of Connection the pipeline BD1, at Station 1+800 : Complete 110mm flanged Gate Valve and its chamber	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1240	Construction of DN 225mm Washout and its chamber on DN 355mm pipes at Station BD1 1+466	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1250	Construction of DN 100mm Combination Air Valve and its chamber on DN 355mm at Station BD1 1+736	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1260	Construction of DN 225mm Washout and its chamber on DN 355mm pipes at Station BD1 1+900	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1270	Construction of Connection # 3, Line BD1, Station 2+228 : Complete DN 250mm flanged Gate Valve Chamber	13.00	08-Oct-16	23-Oct-16
Additional Quantities of uPVC Pipes and Fittings as per VO 01				



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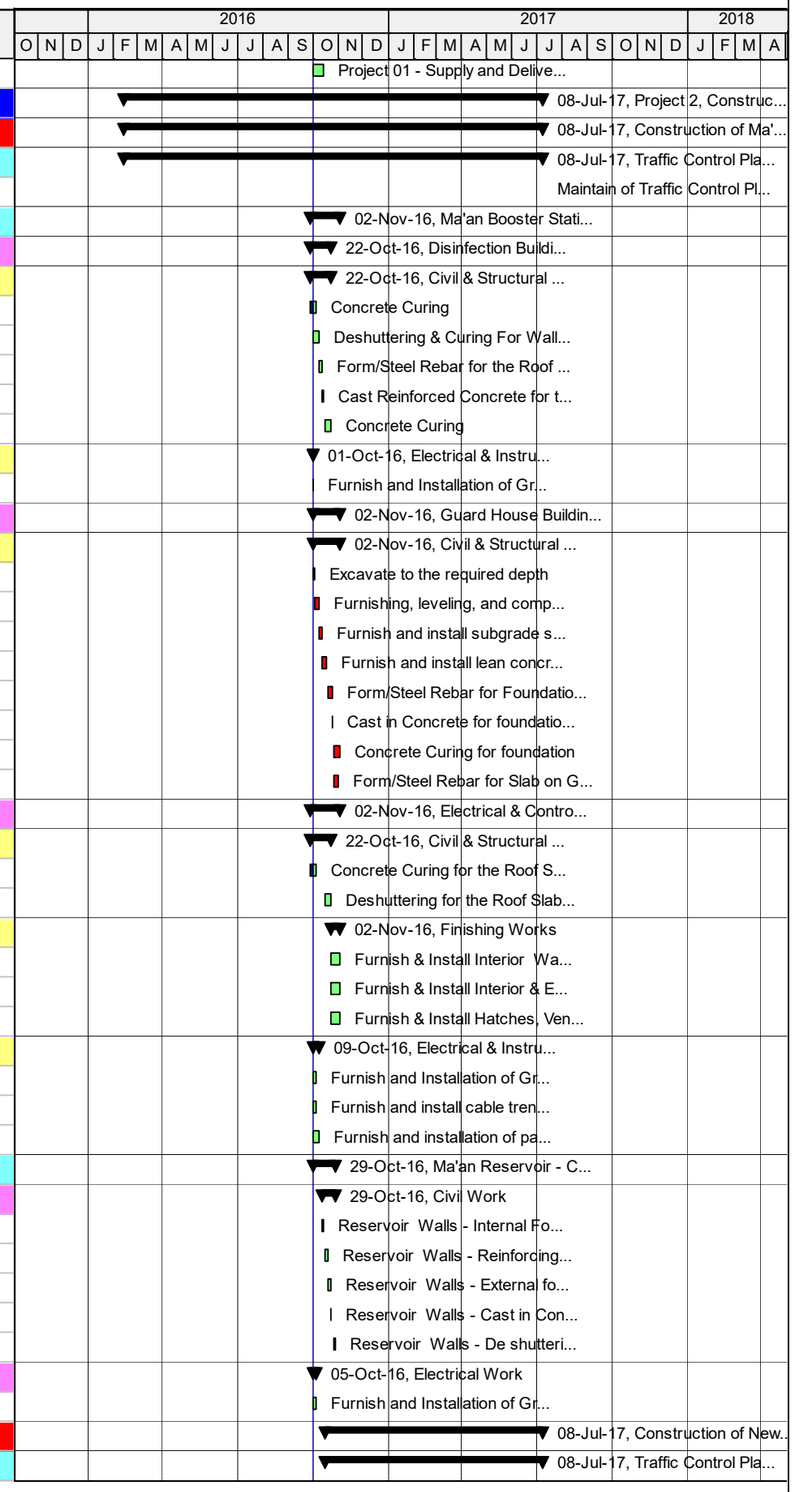
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-P1-1020	Project 01 - Supply and Deliver Additional Quantities of uPVC Pipes and Fittings to PWA Storage Yard in Gaza	10.00	02-Oct-16	13-Oct-16
Project 2, Construction of Ma'an Reservoir and Pumping Facilities:				
Construction of Ma'an Facilities				
Traffic Control Plan and Safety measures				
E-MAN-7595	Maintain of Traffic Control Plan and Safety measures for Ma'an Facilities	353.75	14-Feb-16 A	08-Jul-17
Ma'an Booster Station				
Disinfection Building				
Civil & Structural Works				
E-MAN-DIS-1110	Concrete Curing	7.00	29-Sep-16	05-Oct-16
E-MAN-DIS-1150	Deshuttering & Curing For Walls	7.00	01-Oct-16	08-Oct-16
E-MAN-DIS-1160	Form/Steel Rebar for the Roof Slab	4.00	09-Oct-16	12-Oct-16
E-MAN-DIS-1170	Cast Reinforced Concrete for the Roof Slab	1.00	13-Oct-16	13-Oct-16
E-MAN-DIS-1180	Concrete Curing	7.00	15-Oct-16	22-Oct-16
Electrical & Instrumentation Works				
E-MAN-DIS-1050	Furnish and Installation of Grounding System	1.00	01-Oct-16	01-Oct-16
Guard House Building				
Civil & Structural Works				
E-MAN-GH-1000	Excavate to the required depth	2.00	01-Oct-16	02-Oct-16
E-MAN-GH-1010	Furnishing, leveling, and compacting of selected backfill	5.00	03-Oct-16	08-Oct-16
E-MAN-GH-1020	Furnish and install subgrade sanitary drain piping	4.00	09-Oct-16	12-Oct-16
E-MAN-GH-1030	Furnish and install lean concrete (blinding 100mm)	5.00	13-Oct-16	18-Oct-16
E-MAN-GH-1040	Form/Steel Rebar for Foundation	5.00	19-Oct-16	24-Oct-16
E-MAN-GH-1050	Cast in Concrete for foundation	1.00	25-Oct-16	25-Oct-16
E-MAN-GH-1060	Concrete Curing for foundation	7.00	26-Oct-16	02-Nov-16
E-MAN-GH-1070	Form/Steel Rebar for Slab on Grade	6.00	26-Oct-16	01-Nov-16
Electrical & Control Building				
Civil & Structural Works				
E-MAN-ECB-1160	Concrete Curing for the Roof Slab	7.00	29-Sep-16	05-Oct-16
E-MAN-ECB-1170	Deshuttering for the Roof Slab & Backfilling	7.00	15-Oct-16	22-Oct-16
Finishing Works				
E-MAN-ECB-1180	Furnish & Install Interior Walls	10.00	23-Oct-16	02-Nov-16
E-MAN-ECB-1190	Furnish & Install Interior & Exterior Plaster	10.00	23-Oct-16	02-Nov-16
E-MAN-ECB-1200	Furnish & Install Hatches, Vents, Ladders, Grating etc	10.00	23-Oct-16	02-Nov-16
Electrical & Instrumentation Works				
E-MAN-ECB-1030	Furnish and Installation of Grounding System	4.00	01-Oct-16	04-Oct-16
E-MAN-ECB-1080	Furnish and install cable trench brackets	5.00	01-Oct-16	05-Oct-16
E-MAN-ECB-1150	Furnish and installation of panels, wires, conduits, cables, lights and receptacles	8.00	01-Oct-16	09-Oct-16
Ma'an Reservoir - Construction of new 3,800 m3				
Civil Work				
E-MAN-RES-1150	Reservoir Walls - Internal Formwork (first cycle - Part 1)	2.00	12-Oct-16	13-Oct-16
E-MAN-RES-1160	Reservoir Walls - Reinforcing steel & vertical water stop installation (first cycle - Part 1)	5.00	15-Oct-16	19-Oct-16
E-MAN-RES-1170	Reservoir Walls - External formwork - (first cycle - Part 1)	2.00	20-Oct-16	22-Oct-16
E-MAN-RES-1180	Reservoir Walls - Cast in Concrete - (first cycle - Part 1)	1.00	23-Oct-16	23-Oct-16
E-MAN-RES-1190	Reservoir Walls - De shuttering of formwork (first cycle - Part 1)	2.00	27-Oct-16	29-Oct-16
Electrical Work				
E-MAN-RES-1100	Furnish and Installation of Grounding System	5.00	01-Oct-16	05-Oct-16
Construction of New Supply & Distribution Pipelines				
Traffic Control Plan and Safety measures				



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

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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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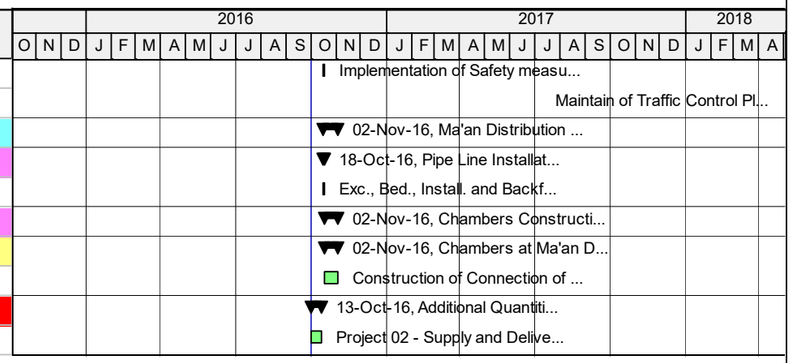
Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-7625	Implementation of Safety measures and Traffic Control Plan for Ma'an Pipelines	2.00	15-Oct-16	17-Oct-16
E-MAN-7635	Maintain of Traffic Control Plan and Safety measures for Ma'an Pipelines	192.12	17-Oct-16	08-Jul-17
Ma'an Distribution Line 1				
Pipe Line Installation				
E-MAN-SDP-1000	Exc., Bed., Install. and Backfill. Distribution Line 1 from MD1 1+000 to MD1 1+105.61 (MD1 - 280mm)	3.00	15-Oct-16	18-Oct-16
Chambers Construction				
Chambers at Ma'an Distribution Line 1				
E-MAN-SDP-1010	Construction of Connection of line line MD2, DN 150mm	13.00	18-Oct-16	02-Nov-16
Additional Quantities of uPVC Pipes and Fittings as per VO 01				
GAZII-P2-1030	Project 02 - Supply and Deliver Additional Quantities of uPVC Pipes and Fittings to PWA Storage Yard in Gaza	10.00	02-Oct-16	13-Oct-16



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

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Annex C - Updated and Detailed Schedule

Note:

- The attachment is based on the approved Revised CPM schedule as per VO1

TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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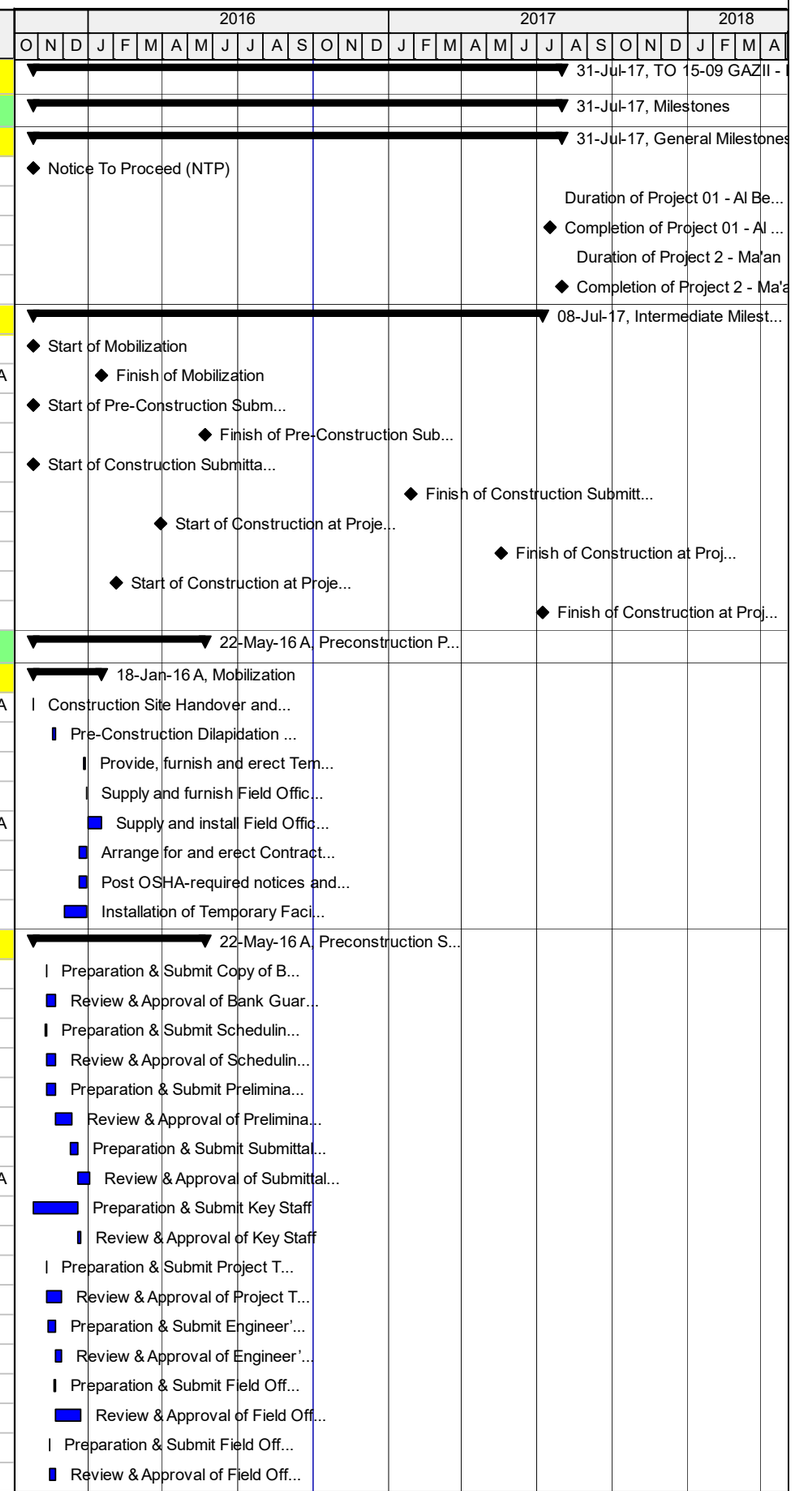
Activity ID	Activity Name	Original Duration	Start	Finish
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II				
Milestones				
General Milestones				
A1000	Notice To Proceed (NTP)	0.00	26-Oct-15 A	
A1005	Duration of Project 01 - Al Berkah Reservoir and Pumping Facilities	463.63	26-Oct-15 A	17-Jul-17
A1010	Completion of Project 01 - Al Berkah Reservoir and Pumping Facilities	0.00		17-Jul-17*
A1020	Duration of Project 2 - Ma'an Reservoir and Pumping Facilities	463.63	26-Oct-15 A	31-Jul-17
A1030	Completion of Project 2 - Ma'an Reservoir and Pumping Facilities	0.00		31-Jul-17*
Intermediate Milestones				
GAZII-IA-01	Start of Mobilization	0.00	26-Oct-15 A	
GAZII-IA-02	Finish of Mobilization	0.00		18-Jan-16 A
GAZII-IA-03	Start of Pre-Construction Submittals	0.00	26-Oct-15 A	
GAZII-IA-04	Finish of Pre-Construction Submittals	0.00		22-May-16
GAZII-IA-05	Start of Construction Submittals	0.00	26-Oct-15 A	
GAZII-IA-06	Finish of Construction Submittals	0.00		29-Jan-17
GAZII-IA-07	Start of Construction at Project 01 - Al Berkah Reservoir and Pumping Facilities	0.00	29-Mar-16 A	
GAZII-IA-08	Finish of Construction at Project 01 - Al Berkah Reservoir and Pumping Facilities	0.00		18-May-17
GAZII-IA-09	Start of Construction at Project 2 - Ma'an Reservoir and Pumping Facilities	0.00	04-Feb-16 A	
GAZII-IA-10	Finish of Construction at Project 2 - Ma'an Reservoir and Pumping Facilities	0.00		08-Jul-17
Preconstruction Phase				
Mobilization				
GAZII - MOB0999	Construction Site Handover and Receive Conformed Drawings	1.00	26-Oct-15 A	27-Oct-15 A
GAZII - MOB1000	Pre-Construction Dilapidation Survey	5.00	19-Nov-15	23-Nov-15
GAZII - MOB1010	Provide, furnish and erect Temporary Project Signs	2.00	26-Dec-15	29-Dec-15
GAZII - MOB1020	Supply and furnish Field Office Furniture and Miscellaneous	2.00	30-Dec-15	31-Dec-15
GAZII - MOB1030	Supply and install Field Office Computer Systems and IT Equipments	2.00	02-Jan-16 A	18-Jan-16 A
GAZII - MOB1040	Arrange for and erect Contractor's work and Storage Yards	2.00	22-Dec-15	31-Dec-15
GAZII - MOB1060	Post OSHA-required notices and establish safety programs	2.00	22-Dec-15	31-Dec-15
GAZII - MOB1070	Installation of Temporary Facilities as per section 01500	5.00	03-Dec-15	31-Dec-15
Preconstruction Submittals				
GAZII-PC-SUB-01	Preparation & Submit Copy of Bank Guarantee Certificates	1.00	11-Nov-15	12-Nov-15
GAZII-PC-SUB-01-R&A	Review & Approval of Bank Guarantee Certificates	21.00	12-Nov-15	23-Nov-15
GAZII-PC-SUB-02	Preparation & Submit Scheduling Qualification Submittal	2.00	10-Nov-15	12-Nov-15
GAZII-PC-SUB-02-R&A	Review & Approval of Scheduling Qualification Submittal	21.00	12-Nov-15	23-Nov-15
GAZII-PC-SUB-03	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	10.00	12-Nov-15	22-Nov-15
GAZII-PC-SUB-03-R&A	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21.00	22-Nov-15	13-Dec-15
GAZII-PC-SUB-04	Preparation & Submit Submittals Schedule	2.00	10-Dec-15	19-Dec-15
GAZII-PC-SUB-04-R&A	Review & Approval of Submittals Schedule	21.00	20-Dec-15	03-Jan-16 A
GAZII-PC-SUB-05	Preparation & Submit Key Staff	5.00	26-Oct-15 A	20-Dec-15
GAZII-PC-SUB-05-R&A	Review & Approval of Key Staff	21.00	20-Dec-15	24-Dec-15
GAZII-PC-SUB-06	Preparation & Submit Project Temporary Signs	2.00	11-Nov-15	12-Nov-15
GAZII-PC-SUB-06-R&A	Review & Approval of Project Temporary Signs	21.00	12-Nov-15	29-Nov-15
GAZII-PC-SUB-07	Preparation & Submit Engineer's Field Office Location and Layout	2.00	14-Nov-15	22-Nov-15
GAZII-PC-SUB-07-R&A	Review & Approval of Engineer's Field Office Location and Layout	21.00	22-Nov-15	30-Nov-15
GAZII-PC-SUB-08	Preparation & Submit Field Office Furniture and Equipment Plan	2.00	21-Nov-15	22-Nov-15
GAZII-PC-SUB-08-R&A	Review & Approval of Field Office Furniture and Equipment Plan	21.00	22-Nov-15	23-Dec-15
GAZII-PC-SUB-09	Preparation & Submit Field Office Computer Systems and Miscellaneous	5.00	15-Nov-15	16-Nov-15
GAZII-PC-SUB-09-R&A	Review & Approval of Field Office Computer Systems and Miscellaneous	21.00	16-Nov-15	23-Nov-15



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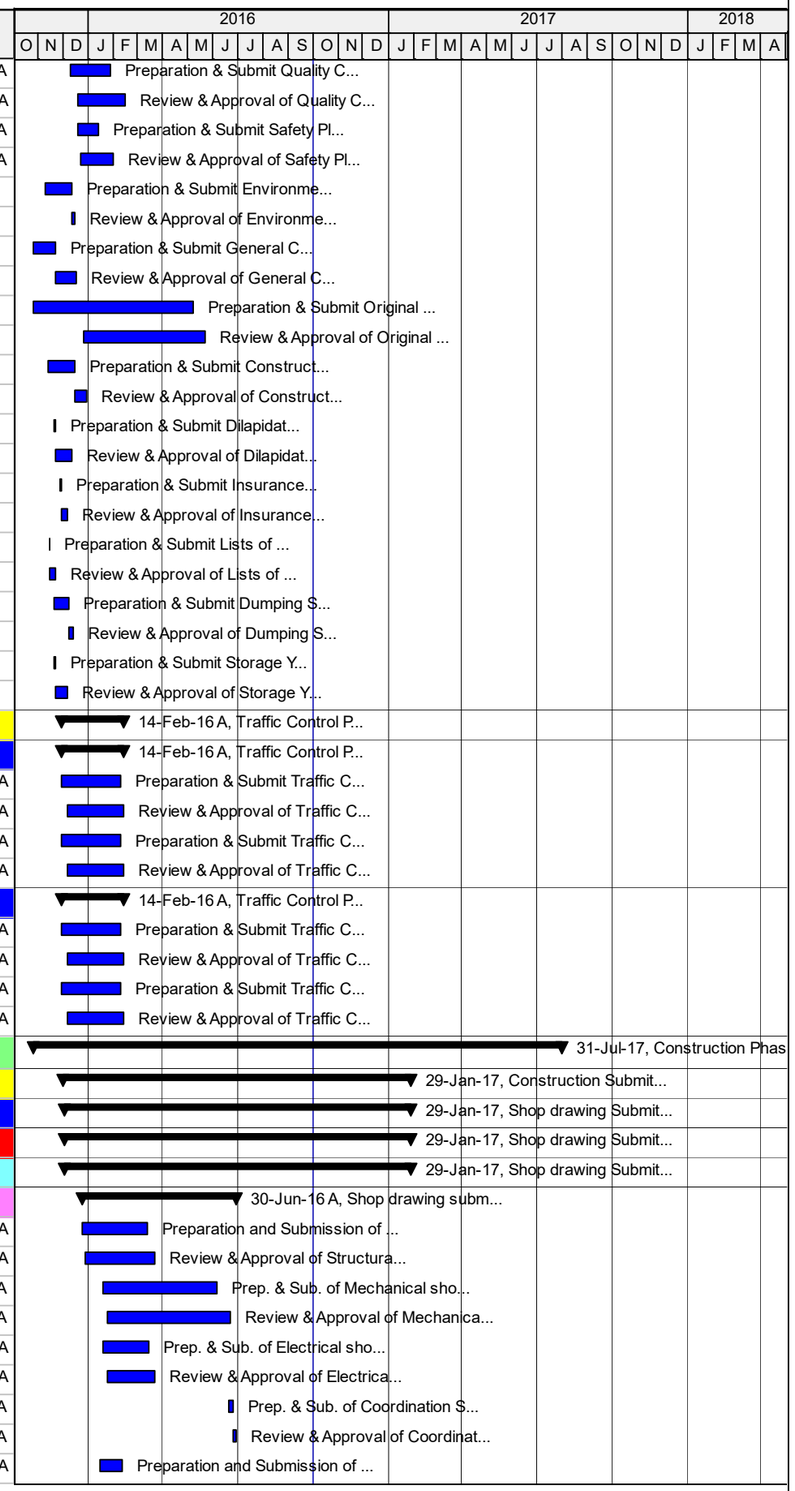
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-PC-SUB-10	Preparation & Submit Quality Control Plan with Testing Lab C.V	5.00	10-Dec-15	28-Jan-16 A
GAZII-PC-SUB-10-R&A	Review & Approval of Quality Control Plan with Testing Lab C.V	21.00	20-Dec-15	16-Feb-16 A
GAZII-PC-SUB-11	Preparation & Submit Safety Plan	5.00	19-Dec-15	13-Jan-16 A
GAZII-PC-SUB-11-R&A	Review & Approval of Safety Plan	21.00	23-Dec-15	31-Jan-16 A
GAZII-PC-SUB-13	Preparation & Submit Environmental Monitoring and Mitigation Plan	3.00	10-Nov-15	13-Dec-15
GAZII-PC-SUB-13-R&A	Review & Approval of Environmental Monitoring and Mitigation Plan	21.00	13-Dec-15	16-Dec-15
GAZII-PC-SUB-14	Preparation & Submit General Construction Method Statement	5.00	26-Oct-15 A	22-Nov-15
GAZII-PC-SUB-14-R&A	Review & Approval of General Constraction Method Statement	21.00	22-Nov-15	17-Dec-15
GAZII-PC-SUB-15	Preparation & Submit Original CPM Construction Schedule	25.00	26-Oct-15 A	09-May-16
GAZII-PC-SUB-15-R&A	Review & Approval of Original CPM Construction Schedule	21.00	27-Dec-15	22-May-16
GAZII-PC-SUB-16	Preparation & Submit Construction Risk Management Program	5.00	14-Nov-15	16-Dec-15
GAZII-PC-SUB-16-R&A	Review & Approval of Construction Risk Management Program	21.00	16-Dec-15	30-Dec-15
GAZII-PC-SUB-17	Preparation & Submit Dilapidation Survey	3.00	21-Nov-15	23-Nov-15
GAZII-PC-SUB-17-R&A	Review & Approval of Dilapidation Survey	21.00	23-Nov-15	13-Dec-15
GAZII-PC-SUB-19	Preparation & Submit Insurances	5.00	28-Nov-15	29-Nov-15
GAZII-PC-SUB-19-R&A	Review & Approval of Insurances	21.00	29-Nov-15	07-Dec-15
GAZII-PC-SUB-20	Preparation & Submit Lists of Permits and Licenses	5.00	16-Nov-15	16-Nov-15
GAZII-PC-SUB-20-R&A	Review & Approval of Lists of Permits and Licenses	21.00	16-Nov-15	23-Nov-15
GAZII-PC-SUB-21	Preparation & Submit Dumping Site	4.00	20-Nov-15	09-Dec-15
GAZII-PC-SUB-21-R&A	Review & Approval of Dumping Site	21.00	09-Dec-15	14-Dec-15
GAZII-PC-SUB-22	Preparation & Submit Storage Yard	5.00	20-Nov-15	22-Nov-15
GAZII-PC-SUB-22-R&A	Review & Approval of Storage Yard	21.00	22-Nov-15	06-Dec-15
Traffic Control Plan, Coordination and Permits				
Traffic Control Plan for Project 1 - Al Berkah Reservoir and Pumping Facilities				
BER-TCP-SUB-01	Preparation & Submit Traffic Control Plan for Al Berkah Reservoir and Booster Pump Station	15.00	29-Nov-15	10-Feb-16 A
BER-TCP-SUB-01-R&A	Review & Approval of Traffic Control Plan for Al Berkah Reservoir and Booster Pump Station	21.00	06-Dec-15	14-Feb-16 A
BER-TCP-SUB-10	Preparation & Submit Traffic Control Plan for Al Berkah Supply & Distribution Pipelines	15.00	29-Nov-15	10-Feb-16 A
BER-TCP-SUB-10-R&A	Review & Approval of Traffic Control Plan for Al Berkah Supply & Distribution Pipelines	21.00	06-Dec-15	14-Feb-16 A
Traffic Control Plan for Project 2 - Ma'an Reservoir and Pumping Facilities				
MAN-TCP-SUB-01	Preparation & Submit Traffic Control Plan for Ma'an Reservoir and Booster Pump Station	15.00	29-Nov-15	10-Feb-16 A
MAN-TCP-SUB-01-R&A	Review & Approval of Traffic Control Plan for Ma'an Reservoir and Booster Pump Station	21.00	06-Dec-15	14-Feb-16 A
MAN-TCP-SUB-10	Preparation & Submit Traffic Control Plan for Ma'an Distribution Pipeline	15.00	29-Nov-15	10-Feb-16 A
MAN-TCP-SUB-10-R&A	Review & Approval of Traffic Control Plan for Ma'an Distribution Pipeline	21.00	06-Dec-15	14-Feb-16 A
Construction Phase				
Construction Submittals				
Shop drawing Submittals				
Shop drawing Submittals for Project 1 - Al Berkah Reservoir and Pumping Facilities				
Shop drawing Submittals for Al Berkah Reservoir and Pumping Facilities				
Shop drawing submittals for Al Berkah Reservoir - 3,800 m3				
BER-SD-RES-1040	Preparation and Submission of Structural Shopdrawing for Al Berkah Reservoir	20.00	25-Dec-15	13-Mar-16 A
BER-SD-RES-1050	Review & Approval of Structural Shopdrawing for Al Berkah Reservoir	21.00	29-Dec-15	23-Mar-16 A
BER-SD-RES-1060	Prep. & Sub. of Mechanical shopdrawing for Al Berkah Reservoir	20.00	20-Jan-16 A	07-Jun-16 A
BER-SD-RES-1070	Review & Approval of Mechanical shopdrawing for Al Berkah Reservoir	21.00	25-Jan-16 A	22-Jun-16 A
BER-SD-RES-1080	Prep. & Sub. of Electrical shopdrawing for Al Berkah Reservoir	15.00	20-Jan-16 A	16-Mar-16 A
BER-SD-RES-1090	Review & Approval of Electrical shopdrawing for Al Berkah Reservoir	21.00	25-Jan-16 A	23-Mar-16 A
BER-SD-RES-1100	Prep. & Sub. of Coordination Shop drawing for Al Berkah Reservoir	15.00	20-Jun-16 A	27-Jun-16 A
BER-SD-RES-1110	Review & Approval of Coordination Shop drawing for Al Berkah Reservoir	21.00	27-Jun-16 A	30-Jun-16 A
BER-SD-RES-1120	Preparation and Submission of Formwork Design & Shop Drawing for Al Berkah Reservoir	10.00	15-Jan-16 A	11-Feb-16 A



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Remaining Work | Milestone

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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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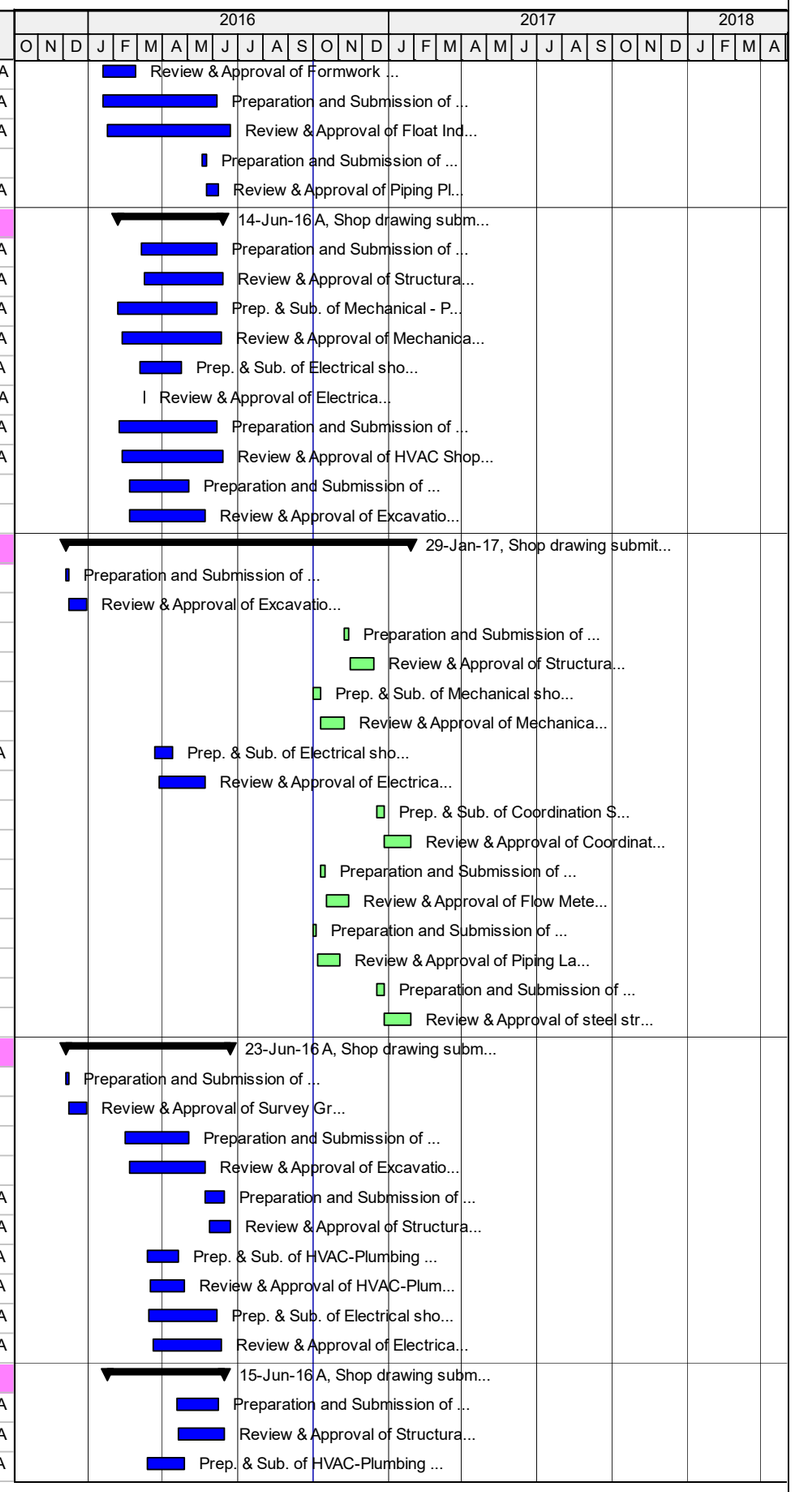
Activity ID	Activity Name	Original Duration	Start	Finish
BER-SD-RES-1130	Review & Approval of Formwork Design & Shop Drawing for Al Berkah Reservoir	21.00	19-Jan-16 A	28-Feb-16 A
BER-SD-RES-1140	Preparation and Submission of Float Indicator Location & Details shop Drawing for Al Berkah Reservoir	10.00	20-Jan-16 A	07-Jun-16 A
BER-SD-RES-1150	Review & Approval of Float Indicator Location & Details shop Drawing for Al Berkah Reservoir	21.00	25-Jan-16 A	23-Jun-16 A
BER-SD-RES-1160	Preparation and Submission of Piping Plan & Sections shop Drawing for Al Berkah Reservoir	15.00	19-May-16	24-May-16
BER-SD-RES-1170	Review & Approval of Piping Plan & Sections shop Drawing for Al Berkah Reservoir	21.00	24-May-16	09-Jun-16 A
Shop drawing submittals for Al Berkah Disinfection Building				
BER-SD-DIS-1000	Preparation and Submission of Structural Shopdrawing for Al Berkah Disinfection Building	5.00	07-Mar-16 A	07-Jun-16 A
BER-SD-DIS-1010	Review & Approval of Structural Shopdrawing for Al Berkah Disinfection Building	21.00	10-Mar-16 A	14-Jun-16 A
BER-SD-DIS-1020	Prep. & Sub. of Mechanical - Plumping shopdrawing for Al Berkah Disinfection Building	9.00	06-Feb-16 A	07-Jun-16 A
BER-SD-DIS-1030	Review & Approval of Mechanical - Plumping shopdrawing for Al Berkah Disinfection Building	21.00	11-Feb-16 A	12-Jun-16 A
BER-SD-DIS-1040	Prep. & Sub. of Electrical shopdrawing for Al Berkah Disinfection Building	9.00	05-Mar-16 A	24-Apr-16 A
BER-SD-DIS-1050	Review & Approval of Electrical shopdrawing for Al Berkah Disinfection Building	21.00	09-Mar-16 A	10-Mar-16 A
BER-SD-DIS-1080	Preparation and Submission of HVAC Shop Drawing for Al Berkah Disinfection Building	5.00	08-Feb-16 A	07-Jun-16 A
BER-SD-DIS-1090	Review & Approval of HVAC Shop Drawing for Al Berkah Disinfection Building	21.00	11-Feb-16 A	14-Jun-16 A
BER-SD-DIS-1100	Preparation and Submission of Excavation Plan shop Drawing for Al Berkah Disinfection Building	5.00	21-Feb-16 A	03-May-16
BER-SD-DIS-1110	Review & Approval of Excavation Plan shop Drawing for Al Berkah Disinfection Building	21.00	21-Feb-16 A	22-May-16
Shop drawing submittals for Al Berkah Booster Pump Station				
BER-SD-BP-0960	Preparation and Submission of Excavation Plan for Al Berkah Booster Pump Station	5.00	05-Dec-15	08-Dec-15
BER-SD-BP-0965	Review & Approval of Excavation Plan for Al Berkah Booster Pump Station	21.00	08-Dec-15	30-Dec-15
BER-SD-BP-1000	Preparation and Submission of Structural & Architectural Shopdrawing for Al Berkah Booster Pump Station	5.00	09-Nov-16	14-Nov-16
BER-SD-BP-1010	Review & Approval of Structural & Architectural Shopdrawing for Al Berkah Booster Pump Station	21.00	16-Nov-16	15-Dec-16
BER-SD-BP-1020	Prep. & Sub. of Mechanical shopdrawing for Al Berkah Booster Pump Station	9.00	01-Oct-16	10-Oct-16
BER-SD-BP-1030	Review & Approval of Mechanical shopdrawing for Al Berkah Booster Pump Station	21.00	11-Oct-16	08-Nov-16
BER-SD-BP-1040	Prep. & Sub. of Electrical shopdrawing for Al Berkah Booster Pump Station	9.00	23-Mar-16 A	14-Apr-16 A
BER-SD-BP-1050	Review & Approval of Electrical shopdrawing for Al Berkah Booster Pump Station	21.00	28-Mar-16 A	23-May-16
BER-SD-BP-1060	Prep. & Sub. of Coordination Shop drawing for Al Berkah Booster Pump Station	5.00	18-Dec-16	26-Dec-16
BER-SD-BP-1070	Review & Approval of Coordination Shop drawing for Al Berkah Booster Pump Station	21.00	27-Dec-16	29-Jan-17
BER-SD-BP-1100	Preparation and Submission of Flow Meters Mechanical shop drawing for Al Berkah Booster Pump Station	5.00	11-Oct-16	16-Oct-16
BER-SD-BP-1110	Review & Approval of Flow Meters Mechanical shop drawing for Al Berkah Booster Pump Station	21.00	17-Oct-16	14-Nov-16
BER-SD-BP-1120	Preparation and Submission of Piping Layout shop Drawing for Al Berkah Booster Pump Station	5.00	01-Oct-16	05-Oct-16
BER-SD-BP-1130	Review & Approval of Piping Layout shop Drawing for Al Berkah Booster Pump Station	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1300	Preparation and Submission of steel structure for Al Berkah pump shed	5.00	18-Dec-16	26-Dec-16
BER-SD-RES-1310	Review & Approval of steel structure for Al Berkah pump shed	21.00	27-Dec-16	29-Jan-17
Shop drawing submittals for Al Berkah Electrical and Control Building				
BER-SD-ECB-1000	Preparation and Submission of Survey Grid Points for Al Berkah Electrical and Control Building (Survey Plan)	9.00	05-Dec-15	08-Dec-15
BER-SD-ECB-1010	Review & Approval of Survey Grid Points for Al Berkah Electrical and Control Building (Survey Plan)	21.00	08-Dec-15	30-Dec-15
BER-SD-ECB-1020	Preparation and Submission of Excavation Plan for Al Berkah Electrical and Control Building	15.00	15-Feb-16 A	03-May-16
BER-SD-ECB-1030	Review & Approval of Excavation Plan for Al Berkah Electrical and Control Building	21.00	21-Feb-16 A	22-May-16
BER-SD-ECB-1040	Preparation and Submission of Structural & Architectural Shopdrawing for Al Berkah Electrical and Control Building	15.00	23-May-16	16-Jun-16 A
BER-SD-ECB-1050	Review & Approval of Structural & Architectural Shopdrawing for Al Berkah Electrical and Control Building	21.00	29-May-16	23-Jun-16 A
BER-SD-ECB-1060	Prep. & Sub. of HVAC-Plumbing shopdrawing for Al Berkah Electrical and Control Building	9.00	13-Mar-16 A	20-Apr-16 A
BER-SD-ECB-1070	Review & Approval of HVAC-Plumbing shopdrawing for Al Berkah Electrical and Control Building	21.00	17-Mar-16 A	28-Apr-16 A
BER-SD-ECB-1080	Prep. & Sub. of Electrical shopdrawing for Al Berkah Electrical and Control Building	19.00	15-Mar-16 A	07-Jun-16 A
BER-SD-ECB-1090	Review & Approval of Electrical shopdrawing for Al Berkah Electrical and Control Building	21.00	20-Mar-16 A	12-Jun-16 A
Shop drawing submittals for Al Berkah Guard House				
BER-SD-GH-1040	Preparation and Submission of Structural & Architectural Shopdrawing for Al Berkah Guard House	20.00	19-Apr-16 A	09-Jun-16 A
BER-SD-GH-1050	Review & Approval of Structural & Architectural Shopdrawing for Al Berkah Guard House	21.00	21-Apr-16 A	15-Jun-16 A
BER-SD-GH-1060	Prep. & Sub. of HVAC-Plumbing shopdrawing for Al Berkah Guard House	9.00	13-Mar-16 A	28-Apr-16 A



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

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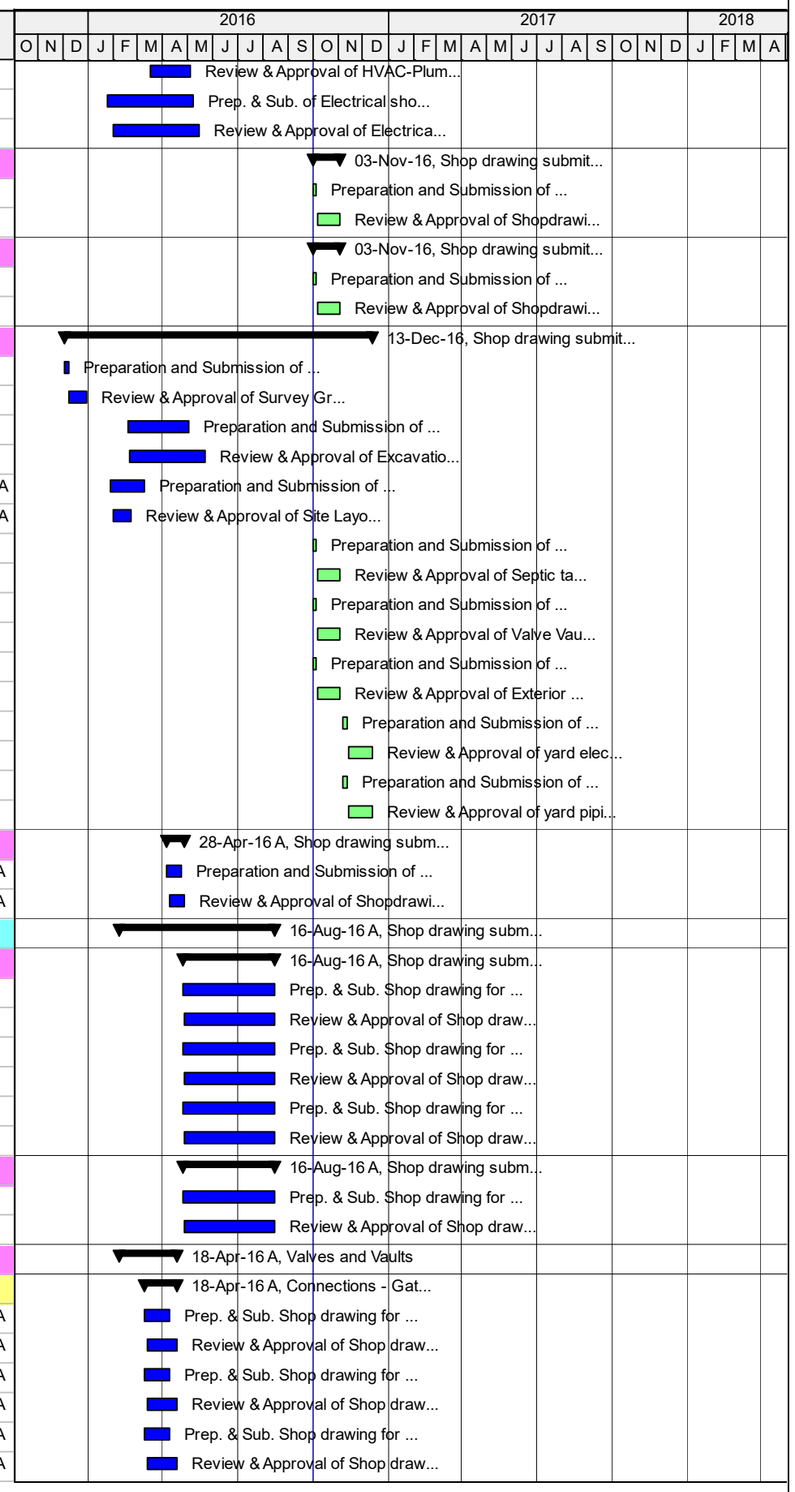
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
BER-SD-GH-1070	Review & Approval of HVAC-Plumbing shopdrawing for Al Berkah Guard House	21.00	17-Mar-16 A	05-May-16
BER-SD-GH-1080	Prep. & Sub. of Electrical shopdrawing for Al Berkah Guard House	9.00	25-Jan-16 A	08-May-16
BER-SD-GH-1090	Review & Approval of Electrical shopdrawing for Al Berkah Guard House	21.00	31-Jan-16 A	15-May-16
Shop drawing submittals for Al Berkah Diesel Generator				
BER-SD-DG-1000	Preparation and Submission of Shopdrawing for Al Berkah Diesel Generator	5.00	01-Oct-16	05-Oct-16
BER-SD-DG-1010	Review & Approval of Shopdrawing for Al Berkah Diesel Generator	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Al Berkah Primary Power and Supply Transformer				
BER-SD-T-1000	Preparation and Submission of Shopdrawing for Al Berkah Primary Power and Supply Transformer	5.00	01-Oct-16	05-Oct-16
BER-SD-T-1010	Review & Approval of Shopdrawing for Al Berkah Primary Power and Supply Transformer	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Al Berkah Site Work - Site Utilities				
BER-SD-RES-1000	Preparation and Submission of Survey Grid Points for Al Berkah Reservoir (Survey Plan)	9.00	04-Dec-15	08-Dec-15
BER-SD-RES-1010	Review & Approval of Survey Grid Points for Al Berkah Reservoir (Survey Plan)	21.00	08-Dec-15	30-Dec-15
BER-SD-RES-1012	Preparation and Submission of Excavation Plan for Al Berkah Reservoir	5.00	19-Feb-16 A	03-May-16
BER-SD-RES-1013	Review & Approval of Excavation Plan for Al Berkah Reservoir	21.00	21-Feb-16 A	22-May-16
BER-SD-RES-1020	Preparation and Submission of Site Layout Plan for Al Berkah Reservoir	5.00	28-Jan-16 A	09-Mar-16 A
BER-SD-RES-1030	Review & Approval of Site Layout Plan for Al Berkah Reservoir	21.00	31-Jan-16 A	23-Feb-16 A
BER-SD-RES-1180	Preparation and Submission of Septic tank for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1190	Review & Approval of Septic tank for Al Berkah site	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1200	Preparation and Submission of Valve Vault for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1210	Review & Approval of Valve Vault for Al Berkah site	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1240	Preparation and Submission of Exterior Gate for Al Berkah site	5.00	01-Oct-16	05-Oct-16
BER-SD-RES-1250	Review & Approval of Exterior Gate for Al Berkah site	21.00	06-Oct-16	03-Nov-16
BER-SD-RES-1260	Preparation and Submission of yard electrical work for Al Berkah site	5.00	07-Nov-16	12-Nov-16
BER-SD-RES-1270	Review & Approval of yard electrical work for Al Berkah site	21.00	13-Nov-16	13-Dec-16
BER-SD-RES-1280	Preparation and Submission of yard piping and mechanical work for Al Berkah site	5.00	07-Nov-16	12-Nov-16
BER-SD-RES-1290	Review & Approval of yard piping and meachanical work for Al Berkah site	21.00	13-Nov-16	13-Dec-16
Shop drawing submittals for Al Berkah Retaining Wall				
BER-SD-RW-1000	Preparation and Submission of Shopdrawing for Al Berkah Retaining wall and Fence wall	20.00	05-Apr-16 A	24-Apr-16 A
BER-SD-RW-1010	Review & Approval of Shopdrawing for Al Berkah Retaining wall and Fence wall	21.00	10-Apr-16 A	28-Apr-16 A
Shop drawing submittals for Al Berkah Supply & Distribution Pipelines				
Shop drawing submittals for Supply Line 1 (DN 160mm) & Distribution Pipe 1 (DN 400mm, 355mm)				
BER-SD-SDP-1000	Prep. & Sub. Shop drawing for Supply and Distribution Pipes 1 from BS1 1+000 to BS1 1+430 (160mm, 355mm, 400mm)	20.00	25-Apr-16 A	15-Aug-16
BER-SD-SDP-1010	Review & Approval of Shop drawing for Supply and Distribution Pipes from BS1 1+000 to BS1 1+430 (160mm, 355mm, 40	21.00	27-Apr-16 A	16-Aug-16
BER-SD-SDP-1020	Prep. & Sub. Shop drawing for Supply pipe 1 from BS1 1+430 To Station BS1 1+807.41 (DN 160mm)	15.00	25-Apr-16 A	15-Aug-16
BER-SD-SDP-1030	Review & Approval of Shop drawing for Supply pipe 1 from BS1 1+430 To Station BS1 1+807.41 (DN 160mm)	21.00	27-Apr-16 A	16-Aug-16
BER-SD-SDP-1160	Prep. & Sub. Shop drawing for Distribution pipe 1 from BD1 1+430 To Station BD1 2+228.13 (DN 355mm)	15.00	25-Apr-16 A	15-Aug-16
BER-SD-SDP-1170	Review & Approval of Shop drawing for Distribution pipe 1 from BD1 1+430 To Station BD1 2+228.13 (DN 355mm)	21.00	27-Apr-16 A	16-Aug-16
Shop drawing submittals for Supply Line 2 (DN 280mm)				
BER-SD-SDP-1060	Prep. & Sub. Shop drawing for Supply Line 2 From BS2 1+000 TO BS2 1+661.47 (DN 280mm)	15.00	25-Apr-16 A	15-Aug-16
BER-SD-SDP-1070	Review & Approval of Shop drawing for Supply Line 2 From BS2 1+000 TO BS2 1+661.47 (DN 280mm)	21.00	27-Apr-16 A	16-Aug-16
Valves and Vaults				
Connections - Gate Valves Chambers				
BER-SD-SDP-1440	Prep. & Sub. Shop drawing for Connection # 6, Line BD1, Station 1+061 : Complete DN 200mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1450	Review & Approval of Shop drawing for Connection # 6, Line BD1, Station 1+061 : Complete DN 200mm flanged Gate Val	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1460	Prep. & Sub. Shop drawing for Connection # 4, Line BD1, Station 1+511 : Complete DN 200mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1470	Review & Approval of Shop drawing for Connection # 4, Line BD1, Station 1+511 : Complete DN 200mm flanged Gate Val	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1480	Prep. & Sub. Shop drawing for Connection # 7, Line BD1, Station 1+024 : Complete DN 200mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1490	Review & Approval of Shop drawing for Connection # 7, Line BD1, Station 1+024 : Complete DN 200mm flanged Gate Val	21.00	13-Mar-16 A	18-Apr-16 A



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

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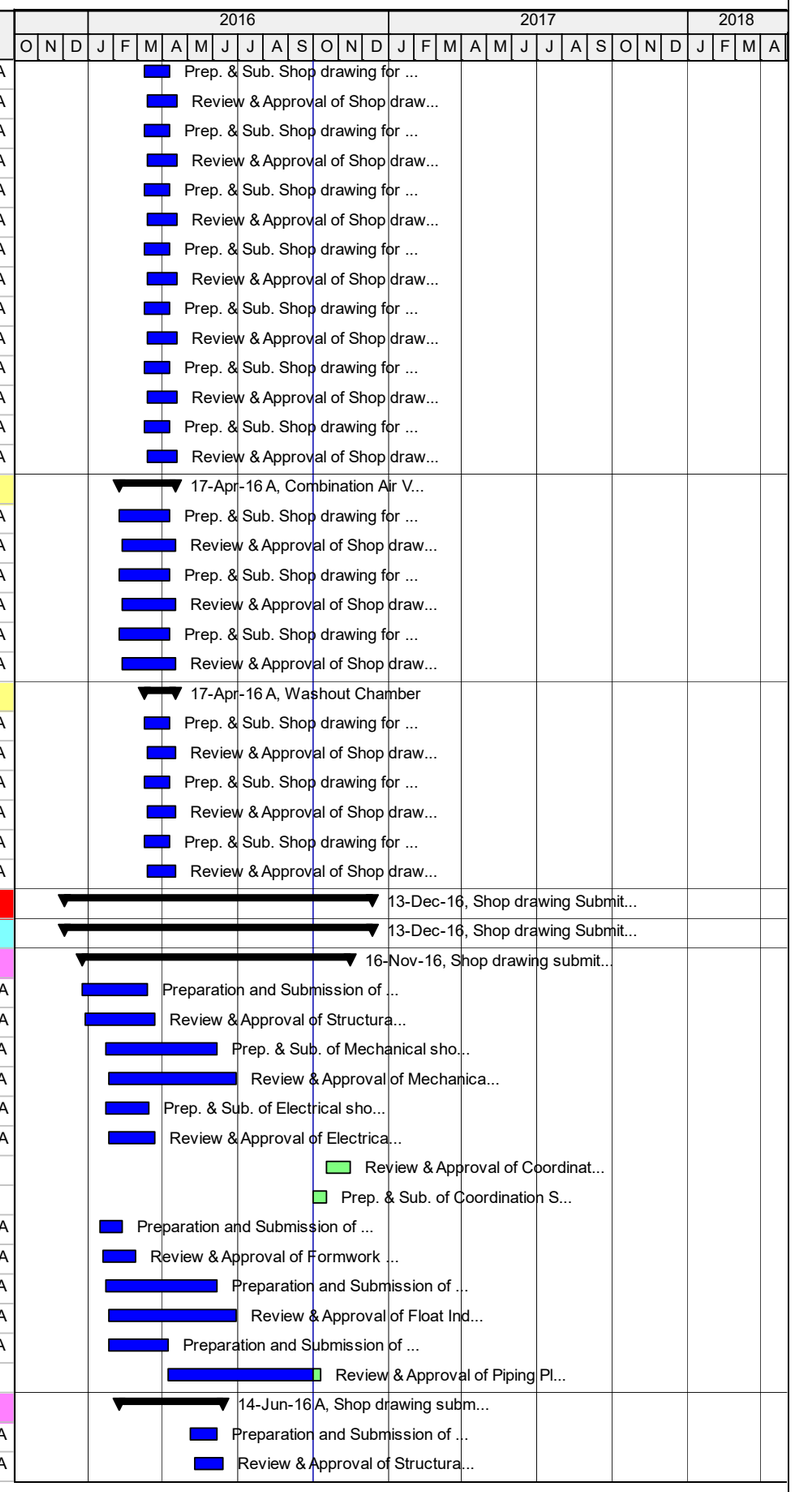
Activity ID	Activity Name	Original Duration	Start	Finish
BER-SD-SDP-1500	Prep. & Sub. Shop drawing for Connection # 5, Line BD1, Station 1+402 : Complete 150mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1510	Review & Approval of Shop drawing for Connection # 5, Line BD1, Station 1+402 : Complete 150mm flanged Gate Valve	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1520	Prep. & Sub. Shop drawing for Connection # 3, Line BD1, Station 2+228 : Complete DN 250mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1530	Review & Approval of Shop drawing for Connection # 3, Line BD1, Station 2+228 : Complete DN 250mm flanged Gate Val	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1540	Prep. & Sub. Shop drawing for Connection # K-21,Line BS1, Station 1+075 : Complete DN 150mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1550	Review & Approval of Shop drawing for Connection # K-21,Line BS1, Station 1+075 : Complete DN 150mm flanged Gate \	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1560	Prep. & Sub. Shop drawing for Connection # K-20,Line BS1, Station 1+084 : Complete DN 150mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1570	Review & Approval of Shop drawing for Connection # K-20,Line BS1, Station 1+084 : Complete DN 150mm flanged Gate \	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1580	Prep. & Sub. Shop drawing for Connection # 2,Line BS3, Station 1+020: Complete DN 450mm flanged Butterfly Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1590	Review & Approval of Shop drawing for Connection # 2,Line BS3, Station 1+020: Complete DN 450mm flanged Butterfly V	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1600	Prep. & Sub. Shop drawing for Connection # EL SAHEL 3, Line BS2,Station 1+215: Complete DN 110mm flanged GV	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1610	Review & Approval of Shop drawing for Connection # EL SAHEL 3, Line BS2,Station 1+215: Complete DN 110mm flanged	21.00	13-Mar-16 A	18-Apr-16 A
BER-SD-SDP-1620	Prep. & Sub. Shop drawing for Connection # 1, Line BS2,Station 1+638: Complete DN 200mm flanged Gate Valve	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1630	Review & Approval of Shop drawing for Connection # 1, Line BS2,Station 1+638: Complete DN 200mm flanged Gate Valve	21.00	13-Mar-16 A	18-Apr-16 A
Combination Air Valve Chambers				
BER-SD-SDP-1260	Prep. & Sub. Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 355mm	5.00	08-Feb-16 A	10-Apr-16 A
BER-SD-SDP-1270	Review & Approval of Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 355mm	21.00	11-Feb-16 A	17-Apr-16 A
BER-SD-SDP-1300	Prep. & Sub. Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 280mm	5.00	08-Feb-16 A	10-Apr-16 A
BER-SD-SDP-1310	Review & Approval of Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 280mm	21.00	11-Feb-16 A	17-Apr-16 A
BER-SD-SDP-1320	Prep. & Sub. Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 160mm	5.00	08-Feb-16 A	10-Apr-16 A
BER-SD-SDP-1330	Review & Approval of Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 160mm	21.00	11-Feb-16 A	17-Apr-16 A
Washout Chamber				
BER-SD-SDP-1180	Prep. & Sub. Shop drawing for DN 100mm washout and its chamber on DN 160mm pipes	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1190	Review & Approval of Shop drawing for DN 100mm washout and its chamber on DN 160mm pipes	21.00	13-Mar-16 A	17-Apr-16 A
BER-SD-SDP-1220	Prep. & Sub. Shop drawing for DN 225mm washout and its chamber on DN 280mm pipes	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1230	Review & Approval of Shop drawing for DN 225mm washout and its chamber on DN 280mm pipes	21.00	13-Mar-16 A	17-Apr-16 A
BER-SD-SDP-1240	Prep. & Sub. Shop drawing for DN 225mm washout and its chamber on DN 355mm pipes	15.00	10-Mar-16 A	10-Apr-16 A
BER-SD-SDP-1250	Review & Approval of Shop drawing for DN 225mm washout and its chamber on DN 355mm pipes	21.00	13-Mar-16 A	17-Apr-16 A
Shop drawing Submittals for Project 2 - Ma'an Reservoir and Pumping Facilities				
Shop drawing Submittals for Ma'an Reservoir and Pumping Facilities				
Shop drawing submittals for Ma'an Reservoir - 3,800 m3				
MAN-SD-RES-1200	Preparation and Submission of Structural Shopdrawing for Ma'an Reservoir	20.00	25-Dec-15	13-Mar-16 A
MAN-SD-RES-1210	Review & Approval of Structural Shopdrawing for Ma'an Reservoir	21.00	29-Dec-15	23-Mar-16 A
MAN-SD-RES-1220	Prep. & Sub. of Mechanical shopdrawing for Ma'an Reservoir (thimbles Shop Drawings (Mechanical))	20.00	23-Jan-16 A	07-Jun-16 A
MAN-SD-RES-1230	Review & Approval of Mechanical shopdrawing for Ma'an Reservoir (thimbles Shop Drawings (Mechanical))	21.00	26-Jan-16 A	30-Jun-16 A
MAN-SD-RES-1240	Prep. & Sub. of Electrical shopdrawing for Ma'an Reservoir	15.00	23-Jan-16 A	16-Mar-16 A
MAN-SD-RES-1250	Review & Approval of Electrical shopdrawing for Ma'an Reservoir	21.00	26-Jan-16 A	23-Mar-16 A
MAN-SD-RES-1280	Review & Approval of Coordination Shop drawing for Ma'an Reservoir	21.00	18-Oct-16	16-Nov-16
MAN-SD-RES-1290	Prep. & Sub. of Coordination Shop drawing for Ma'an Reservoir	15.00	01-Oct-16	17-Oct-16
MAN-SD-RES-1300	Preparation and Submission of Formwork Design & Shop Drawing for Ma'an Reservoir	10.00	15-Jan-16 A	11-Feb-16 A
MAN-SD-RES-1310	Review & Approval of Formwork Design & Shop Drawing for Ma'an Reservoir	21.00	19-Jan-16 A	28-Feb-16 A
MAN-SD-RES-1320	Preparation and Submission of Float Indicator Location & Details shop Drawing for Ma'an Reservoir	10.00	23-Jan-16 A	07-Jun-16 A
MAN-SD-RES-1330	Review & Approval of Float Indicator Location & Details shop Drawing for Ma'an Reservoir	21.00	26-Jan-16 A	30-Jun-16 A
MAN-SD-RES-1340	Preparation and Submission of Piping Plan & Sections shop Drawing for Ma'an Reservoir	15.00	26-Jan-16 A	07-Apr-16 A
MAN-SD-RES-1350	Review & Approval of Piping Plan & Sections shop Drawing for Ma'an Reservoir	21.00	07-Apr-16 A	10-Oct-16
Shop drawing submittals for Ma'an Disinfection Building				
MAN-SD-DIS-1120	Preparation and Submission of Structural Shopdrawing for Ma'an Disinfection Building	5.00	05-May-16	07-Jun-16 A
MAN-SD-DIS-1130	Review & Approval of Structural Shopdrawing for Ma'an Disinfection Building	21.00	10-May-16	14-Jun-16 A



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

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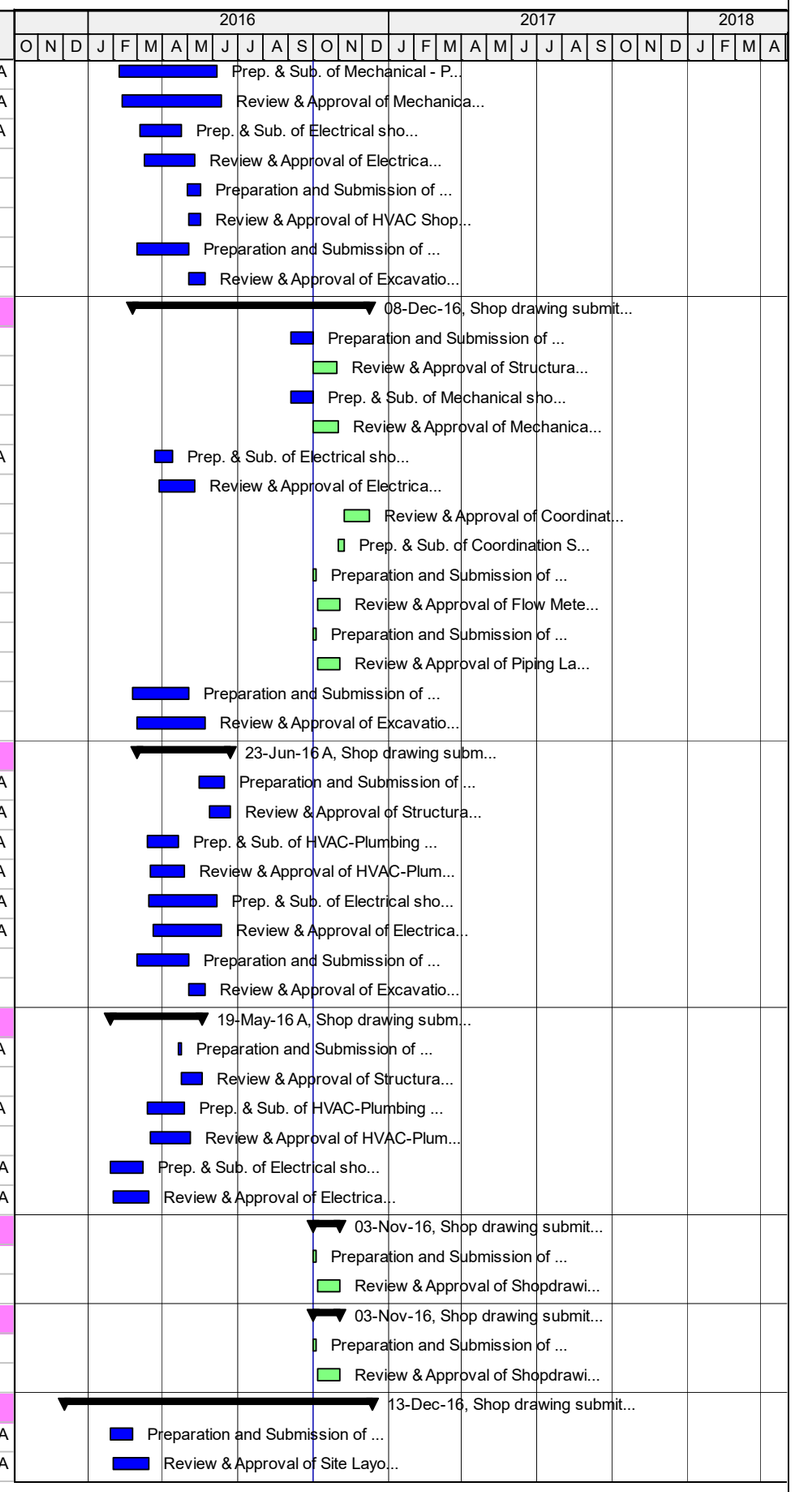
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
MAN-SD-DIS-1140	Prep. & Sub. of Mechanical - Plumping shopdrawing for Ma'an Disinfection Building	9.00	08-Feb-16 A	07-Jun-16 A
MAN-SD-DIS-1150	Review & Approval of Mechanical - Plumping shopdrawing for Ma'an Disinfection Building	21.00	11-Feb-16 A	12-Jun-16 A
MAN-SD-DIS-1160	Prep. & Sub. of Electrical shopdrawing for Ma'an Disinfection Building	9.00	05-Mar-16 A	24-Apr-16 A
MAN-SD-DIS-1170	Review & Approval of Electrical shopdrawing for Ma'an Disinfection Building	21.00	09-Mar-16 A	10-May-16
MAN-SD-DIS-1180	Preparation and Submission of HVAC Shop Drawing for Ma'an Disinfection Building	5.00	01-May-16	17-May-16
MAN-SD-DIS-1190	Review & Approval of HVAC Shop Drawing for Ma'an Disinfection Building	21.00	03-May-16	17-May-16
MAN-SD-DIS-1200	Preparation and Submission of Excavation Plan shop Drawing for Ma'an Disinfection Building	5.00	01-Mar-16 A	03-May-16
MAN-SD-DIS-1210	Review & Approval of Excavation Plan shop Drawing for Ma'an Disinfection Building	21.00	03-May-16	22-May-16
Shop drawing submittals for Ma'an Booster Pump Station				
MAN-SD-BP-1140	Preparation and Submission of Structural & Architectural Shopdrawing for Ma'an Booster Pump Station	5.00	04-Sep-16	02-Oct-16
MAN-SD-BP-1150	Review & Approval of Structural & Architectural Shopdrawing for Ma'an Booster Pump Station	21.00	02-Oct-16	31-Oct-16
MAN-SD-BP-1160	Prep. & Sub. of Mechanical shopdrawing for Ma'an Booster Pump Station	9.00	04-Sep-16	02-Oct-16
MAN-SD-BP-1170	Review & Approval of Mechanical shopdrawing for Ma'an Booster Pump Station	21.00	02-Oct-16	31-Oct-16
MAN-SD-BP-1180	Prep. & Sub. of Electrical shopdrawing for Ma'an Booster Pump Station	9.00	23-Mar-16 A	14-Apr-16 A
MAN-SD-BP-1190	Review & Approval of Electrical shopdrawing for Ma'an Booster Pump Station	21.00	28-Mar-16 A	11-May-16
MAN-SD-BP-1200	Review & Approval of Coordination Shop drawing for Ma'an Booster Pump Station	21.00	08-Nov-16	08-Dec-16
MAN-SD-BP-1210	Prep. & Sub. of Coordination Shop drawing for Ma'an Booster Pump Station	5.00	31-Oct-16	08-Nov-16
MAN-SD-BP-1220	Preparation and Submission of Flow Meters Mechanical shop drawing for Ma'an Booster Pump Station	5.00	01-Oct-16	05-Oct-16
MAN-SD-BP-1230	Review & Approval of Flow Meters Mechanical shop drawing for Ma'an Booster Pump Station	21.00	06-Oct-16	03-Nov-16
MAN-SD-BP-1240	Preparation and Submission of Piping Layout shop Drawing for Ma'an Booster Pump Station	5.00	01-Oct-16	05-Oct-16
MAN-SD-BP-1250	Review & Approval of Piping Layout shop Drawing for Ma'an Booster Pump Station	21.00	06-Oct-16	03-Nov-16
MAN-SD-BP-1280	Preparation and Submission of Excavation Plan for Ma'an Booster Pump Station	5.00	25-Feb-16 A	03-May-16
MAN-SD-BP-1290	Review & Approval of Excavation Plan for Ma'an Booster Pump Station	21.00	01-Mar-16 A	22-May-16
Shop drawing submittals for Ma'an Electrical and Control Building				
MAN-SD-ECB-1100	Preparation and Submission of Structural & Architectural Shopdrawing for Ma'an Electrical and Control Building	5.00	15-May-16	16-Jun-16 A
MAN-SD-ECB-1110	Review & Approval of Structural & Architectural Shopdrawing for Ma'an Electrical and Control Building	21.00	29-May-16	23-Jun-16 A
MAN-SD-ECB-1120	Prep. & Sub. of HVAC-Plumbing shopdrawing for Ma'an Electrical and Control Building	9.00	13-Mar-16 A	20-Apr-16 A
MAN-SD-ECB-1130	Review & Approval of HVAC-Plumbing shopdrawing for Ma'an Electrical and Control Building	21.00	17-Mar-16 A	28-Apr-16 A
MAN-SD-ECB-1140	Prep. & Sub. of Electrical shopdrawing for Ma'an Electrical and Control Building	9.00	15-Mar-16 A	07-Jun-16 A
MAN-SD-ECB-1150	Review & Approval of Electrical shopdrawing for Ma'an Electrical and Control Building	21.00	20-Mar-16 A	12-Jun-16 A
MAN-SD-ECB-1180	Preparation and Submission of Excavation Plan for Ma'an Electrical and Control Building	5.00	01-Mar-16 A	03-May-16
MAN-SD-ECB-1190	Review & Approval of Excavation Plan for Ma'an Electrical and Control Building	21.00	03-May-16	22-May-16
Shop drawing submittals for Ma'an Guard House				
MAN-SD-GH-1100	Preparation and Submission of Structural & Architectural Shopdrawing for Ma'an Guard House	5.00	21-Apr-16 A	24-Apr-16 A
MAN-SD-GH-1110	Review & Approval of Structural & Architectural Shopdrawing for Ma'an Guard House	21.00	24-Apr-16 A	19-May-16
MAN-SD-GH-1120	Prep. & Sub. of HVAC-Plumbing shopdrawing for Ma'an Guard House	9.00	13-Mar-16 A	28-Apr-16 A
MAN-SD-GH-1130	Review & Approval of HVAC-Plumbing shopdrawing for Ma'an Guard House	21.00	17-Mar-16 A	05-May-16
MAN-SD-GH-1140	Prep. & Sub. of Electrical shopdrawing for Ma'an Guard House	9.00	28-Jan-16 A	08-Mar-16 A
MAN-SD-GH-1150	Review & Approval of Electrical shopdrawing for Ma'an Guard House	21.00	31-Jan-16 A	15-Mar-16 A
Shop drawing submittals for Ma'an Diesel Generator				
MAN-SD-DG-1020	Preparation and Submission of Shopdrawing for Ma'an Diesel Generator	5.00	01-Oct-16	05-Oct-16
MAN-SD-DG-1030	Review & Approval of Shopdrawing for Ma'an Diesel Generator	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Ma'an Primary Power and Supply Transformer				
MAN-SD-T-1020	Preparation and Submission of Shopdrawing for Ma'an Primary Power and Supply Transformer	5.00	01-Oct-16	05-Oct-16
MAN-SD-T-1030	Review & Approval of Shopdrawing for Ma'an Primary Power and Supply Transformer	21.00	06-Oct-16	03-Nov-16
Shop drawing submittals for Ma'an Site Work - Site Utilities				
MAN-SD-RES-1180	Preparation and Submission of Site Layout Plan for Ma'an Reservoir	15.00	28-Jan-16 A	25-Feb-16 A
MAN-SD-RES-1190	Review & Approval of Site Layout Plan for Ma'an Reservoir	21.00	31-Jan-16 A	15-Mar-16 A



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

TASK filter: All Activities

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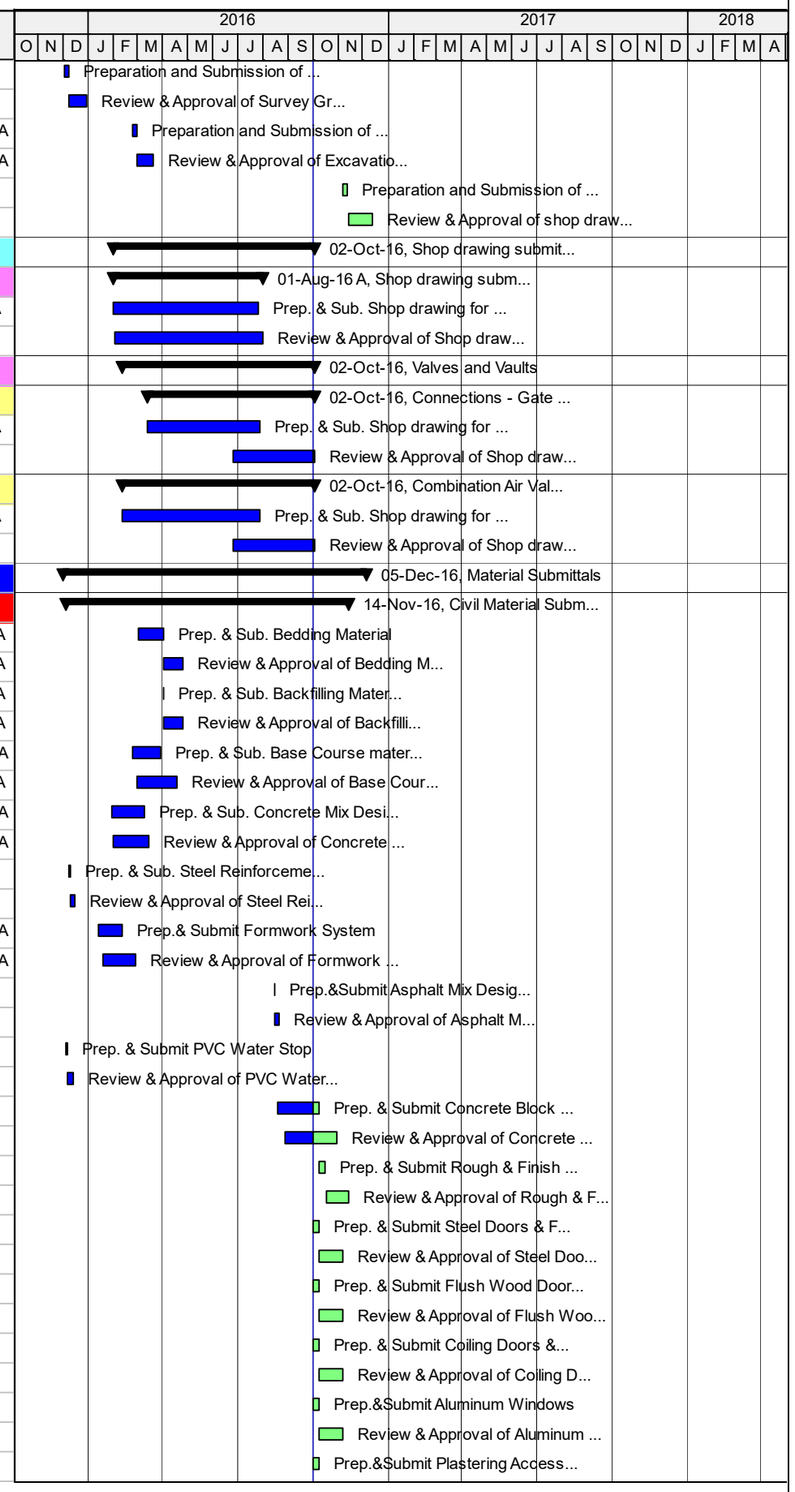
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
MAN-SD-RES-1260	Preparation and Submission of Survey Grid Points for Ma'an Reservoir (Survey Plan)	9.00	04-Dec-15	08-Dec-15
MAN-SD-RES-1270	Review & Approval of Survey Grid Points for Ma'an Reservoir (Survey Plan)	21.00	08-Dec-15	30-Dec-15
MAN-SD-RES-1360	Preparation and Submission of Excavation Plan for Ma'an Reservoir	15.00	25-Feb-16 A	01-Mar-16 A
MAN-SD-RES-1370	Review & Approval of Excavation Plan for Ma'an Reservoir	21.00	01-Mar-16 A	21-Mar-16 A
MAN-SD-RES-1380	Preparation and Submission of shop drawing for Container at Maan	5.00	07-Nov-16	12-Nov-16
MAN-SD-RES-1390	Review & Approval of shop drawing for Container at Maan	21.00	13-Nov-16	13-Dec-16
Shop drawing submittals for Ma'an Distribution Pipeline				
Shop drawing submittals for Ma'an Distribution Line 1				
MAN-SD-SDP-1780	Prep. & Sub. Shop drawing for Distribution Pipe line 1 from MD1 1+000 to MD1 1+105.61 (DN 280mm)	15.00	01-Feb-16 A	27-Jul-16 A
MAN-SD-SDP-1790	Review & Approval of Shop drawing for Distribution Pipe line 1 from MD1 1+000 to MD1 1+105.61 (DN 280mm)	21.00	03-Feb-16 A	01-Aug-16
Valves and Vaults				
Connections - Gate Valves Chambers				
MAN-SD-SDP-2240	Prep. & Sub. Shop drawing for Connection #1, Line MD1, Station 1+105 : Complete DN 150mm flanged Gate Valve Chaml	15.00	13-Mar-16 A	28-Jul-16 A
MAN-SD-SDP-2250	Review & Approval of Shop drawing for Connection #1, Line MD1, Station 1+105 : Complete DN 150mm flanged Gate Val\	21.00	26-Jun-16 A	02-Oct-16
Combination Air Valve Chambers				
MAN-SD-SDP-2120	Prep. & Sub. Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 280mm	5.00	11-Feb-16 A	28-Jul-16 A
MAN-SD-SDP-2130	Review & Approval of Shop drawing for DN 100mm Combination Air Valve and its chamber on DN 280mm	21.00	26-Jun-16 A	02-Oct-16
Material Submittals				
Civil Material Submittals				
GAZII-CMS-1000	Prep. & Sub. Bedding Material	5.00	02-Mar-16 A	03-Apr-16 A
GAZII-CMS-1010	Review & Approval of Bedding Material	21.00	03-Apr-16 A	26-Apr-16 A
GAZII-CMS-1020	Prep. & Sub. Backfilling Material	5.00	02-Apr-16 A	03-Apr-16 A
GAZII-CMS-1030	Review & Approval of Backfilling Material	21.00	03-Apr-16 A	26-Apr-16 A
GAZII-CMS-1040	Prep. & Sub. Base Course material	5.00	25-Feb-16 A	29-Mar-16 A
GAZII-CMS-1050	Review & Approval of Base Course material	21.00	29-Feb-16 A	18-Apr-16 A
GAZII-CMS-1060	Prep. & Sub. Concrete Mix Design	28.00	30-Jan-16 A	10-Mar-16 A
GAZII-CMS-1070	Review & Approval of Concrete Mix Design	21.00	01-Feb-16 A	15-Mar-16 A
GAZII-CMS-1080	Prep. & Sub. Steel Reinforcement	5.00	08-Dec-15	10-Dec-15
GAZII-CMS-1090	Review & Approval of Steel Reinforcement	21.00	10-Dec-15	15-Dec-15
GAZII-CMS-1100	Prep.& Submit Formwork System	10.00	13-Jan-16 A	11-Feb-16 A
GAZII-CMS-1110	Review & Approval of Formwork System	21.00	19-Jan-16 A	28-Feb-16 A
GAZII-CMS-1115	Prep.&Submit Asphalt Mix Design	7.00	15-Aug-16	16-Aug-16
GAZII-CMS-1116	Review & Approval of Asphalt Mix Design	21.00	16-Aug-16	22-Aug-16
GAZII-CMS-1120	Prep. & Submit PVC Water Stop	7.00	05-Dec-15	06-Dec-15
GAZII-CMS-1130	Review & Approval of PVC Water Stop	21.00	06-Dec-15	14-Dec-15
GAZII-CMS-1140	Prep. & Submit Concrete Block Masonary	7.00	20-Aug-16	08-Oct-16
GAZII-CMS-1150	Review & Approval of Concrete Block Masonary	21.00	29-Aug-16	30-Oct-16
GAZII-CMS-1160	Prep. & Submit Rough & Finish Carpentary	7.00	09-Oct-16	16-Oct-16
GAZII-CMS-1170	Review & Approval of Rough & Finish Carpentary	21.00	17-Oct-16	14-Nov-16
GAZII-CMS-1180	Prep. & Submit Steel Doors & Frames	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1190	Review & Approval of Steel Doors & Frames	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1200	Prep. & Submit Flush Wood Doors	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1210	Review & Approval of Flush Wood Doors	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1220	Prep. & Submit Coiling Doors & Grilles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1230	Review & Approval of Coiling Doors & Grilles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1240	Prep.&Submit Aluminum Windows	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1250	Review & Approval of Aluminum Windows	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1260	Prep.&Submit Plastering Accessories	7.00	01-Oct-16	08-Oct-16



Actual Work | Critical Remaining Work | Summary
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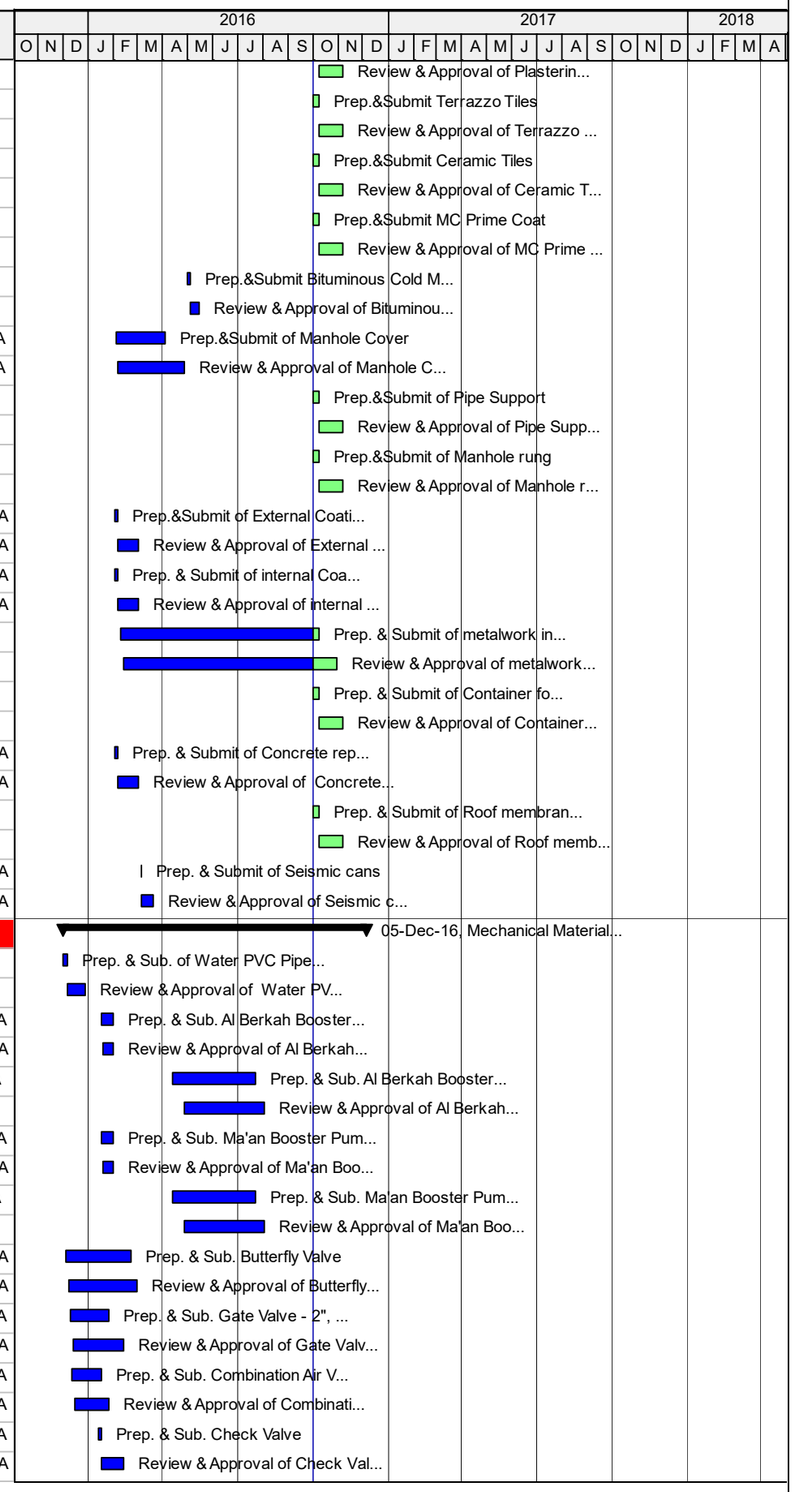
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-CMS-1270	Review & Approval of Plastering Accessories	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1280	Prep.&Submit Terrazzo Tiles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1290	Review & Approval of Terrazzo Tiles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1300	Prep.&Submit Ceramic Tiles	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1310	Review & Approval of Ceramic Tiles	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1340	Prep.&Submit MC Prime Coat	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1350	Review & Approval of MC Prime Coat	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1360	Prep.&Submit Bituminous Cold Material	7.00	01-May-16	05-May-16
GAZII-CMS-1370	Review & Approval of Bituminous Cold Material	21.00	05-May-16	15-May-16
GAZII-CMS-1380	Prep.&Submit of Manhole Cover	7.00	05-Feb-16 A	04-Apr-16 A
GAZII-CMS-1390	Review & Approval of Manhole Cover	21.00	07-Feb-16 A	28-Apr-16 A
GAZII-CMS-1400	Prep.&Submit of Pipe Support	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1410	Review & Approval of Pipe Support	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1420	Prep.&Submit of Manhole rung	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1430	Review & Approval of Manhole rung	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1440	Prep.&Submit of External Coating for Buildings	7.00	02-Feb-16 A	07-Feb-16 A
GAZII-CMS-1450	Review & Approval of External Coating for Buildings	21.00	07-Feb-16 A	03-Mar-16 A
GAZII-CMS-1460	Prep. & Submit of internal Coating for Buildings	7.00	02-Feb-16 A	07-Feb-16 A
GAZII-CMS-1470	Review & Approval of internal Coating for Buildings	21.00	07-Feb-16 A	03-Mar-16 A
GAZII-CMS-1480	Prep. & Submit of metalwork including hatches, vents, ladders, railings, grating, etc.	7.00	10-Feb-16 A	08-Oct-16
GAZII-CMS-1490	Review & Approval of metalwork including hatches, vents, ladders, railings, grating, etc.	21.00	14-Feb-16 A	30-Oct-16
GAZII-CMS-1500	Prep. & Submit of Container for Ma'an	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1510	Review & Approval of Container for Ma'an	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1520	Prep. & Submit of Concrete repair materials, injection and joint sealant	7.00	02-Feb-16 A	07-Feb-16 A
GAZII-CMS-1530	Review & Approval of Concrete repair materials, injection and joint sealant	21.00	07-Feb-16 A	03-Mar-16 A
GAZII-CMS-1540	Prep. & Submit of Roof membrane	7.00	01-Oct-16	08-Oct-16
GAZII-CMS-1550	Review & Approval of Roof membrane	21.00	09-Oct-16	06-Nov-16
GAZII-CMS-1560	Prep. & Submit of Seismic cans	7.00	06-Mar-16 A	07-Mar-16 A
GAZII-CMS-1570	Review & Approval of Seismic cans	21.00	07-Mar-16 A	21-Mar-16 A
Mechanical Material Submittals				
GAZII-MMS-1000	Prep. & Sub. of Water PVC Pipes and Fittings (400mm, 355mm, 280mm, 160mm etc)	10.00	01-Dec-15	06-Dec-15
GAZII-MMS-1010	Review & Approval of Water PVC Pipes and Fittings (400mm, 355mm, 280mm, 160mm etc)	21.00	06-Dec-15	28-Dec-15
GAZII-MMS-1015	Prep. & Sub. Al Berkah Booster Pump - First Submission	24.00	17-Jan-16 A	31-Jan-16 A
GAZII-MMS-1017	Review & Approval of Al Berkah Booster Pump - First Submission	21.00	19-Jan-16 A	01-Feb-16 A
GAZII-MMS-1020	Prep. & Sub. Al Berkah Booster Pump - Second Submission	24.00	13-Apr-16 A	24-Jul-16 A
GAZII-MMS-1030	Review & Approval of Al Berkah Booster Pump - Second Submission	21.00	28-Apr-16 A	04-Aug-16
GAZII-MMS-1032	Prep. & Sub. Ma'an Booster Pump - First Submission	24.00	17-Jan-16 A	31-Jan-16 A
GAZII-MMS-1035	Review & Approval of Ma'an Booster Pump - First Submission	21.00	19-Jan-16 A	01-Feb-16 A
GAZII-MMS-1038	Prep. & Sub. Ma'an Booster Pump - Second Submission	24.00	13-Apr-16 A	24-Jul-16 A
GAZII-MMS-1039	Review & Approval of Ma'an Booster Pump - Second Submission	21.00	28-Apr-16 A	04-Aug-16
GAZII-MMS-1040	Prep. & Sub. Butterfly Valve	5.00	05-Dec-15	23-Feb-16 A
GAZII-MMS-1050	Review & Approval of Butterfly Valve	21.00	08-Dec-15	01-Mar-16 A
GAZII-MMS-1060	Prep. & Sub. Gate Valve - 2", 3" & 4"	10.00	10-Dec-15	27-Jan-16 A
GAZII-MMS-1070	Review & Approval of Gate Valve - 2", 3" & 4"	21.00	14-Dec-15	14-Feb-16 A
GAZII-MMS-1080	Prep. & Sub. Combination Air Valve	5.00	12-Dec-15	17-Jan-16 A
GAZII-MMS-1090	Review & Approval of Combination Air Valve	21.00	15-Dec-15	27-Jan-16 A
GAZII-MMS-1100	Prep. & Sub. Check Valve	5.00	13-Jan-16 A	17-Jan-16 A
GAZII-MMS-1110	Review & Approval of Check Valve	21.00	17-Jan-16 A	14-Feb-16 A



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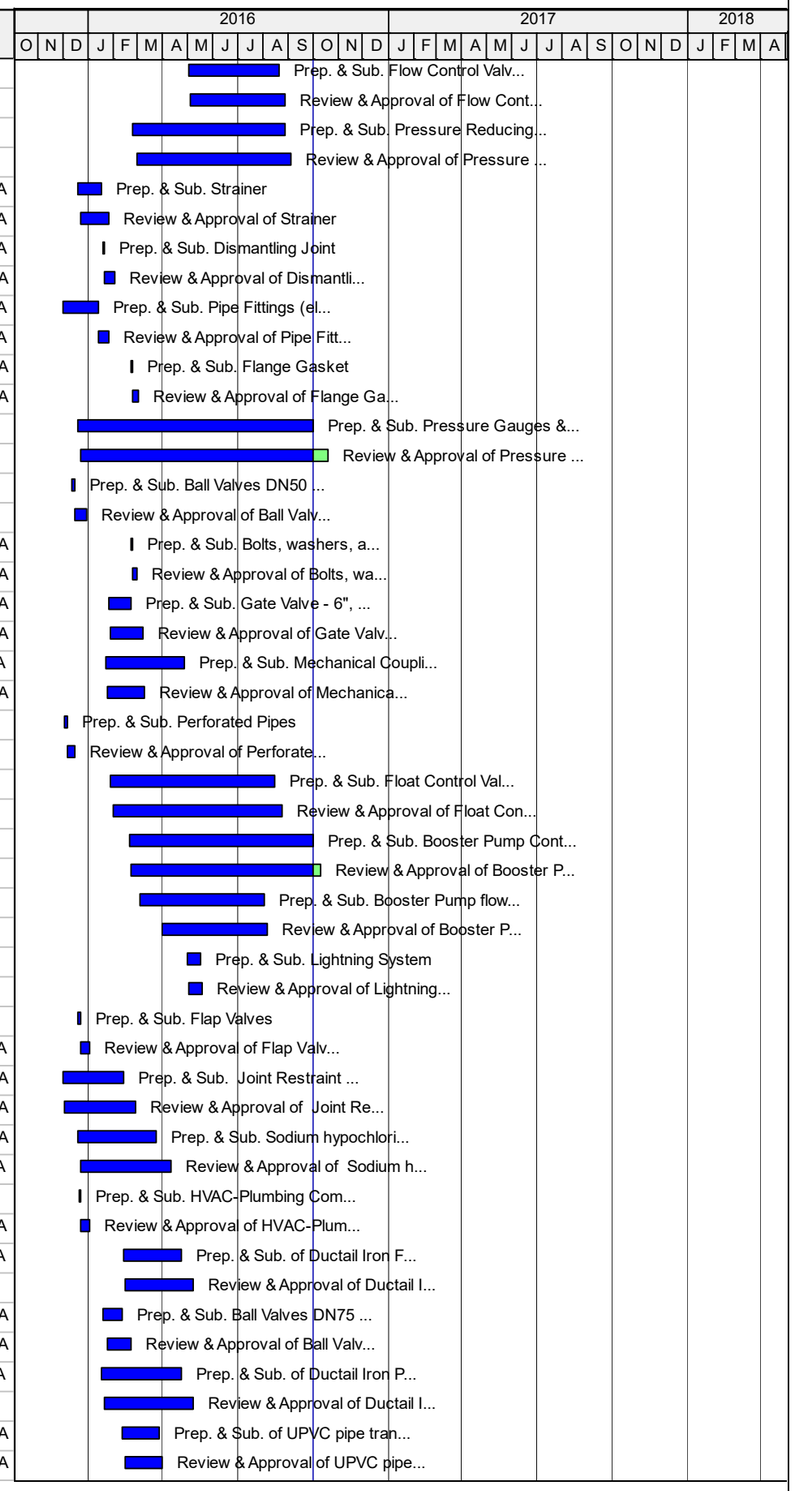
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-MMS-1120	Prep. & Sub. Flow Control Valve (Sustaining control valve)	5.00	03-May-16	22-Aug-16
GAZII-MMS-1130	Review & Approval of Flow Control Valve (Sustaining control valve)	21.00	05-May-16	28-Aug-16
GAZII-MMS-1140	Prep. & Sub. Pressure Reducing Valve	5.00	25-Feb-16 A	28-Aug-16
GAZII-MMS-1150	Review & Approval of Pressure Reducing Valve	21.00	29-Feb-16 A	04-Sep-16
GAZII-MMS-1160	Prep. & Sub. Strainer	5.00	20-Dec-15	17-Jan-16 A
GAZII-MMS-1170	Review & Approval of Strainer	21.00	23-Dec-15	26-Jan-16 A
GAZII-MMS-1180	Prep. & Sub. Dismantling Joint	5.00	19-Jan-16 A	21-Jan-16 A
GAZII-MMS-1190	Review & Approval of Dismantling Joint	21.00	21-Jan-16 A	03-Feb-16 A
GAZII-MMS-1200	Prep. & Sub. Pipe Fittings (elbows, reducers, tees, etc.)	5.00	01-Dec-15	13-Jan-16 A
GAZII-MMS-1210	Review & Approval of Pipe Fittings (elbows, reducers, tees, etc.)	21.00	13-Jan-16 A	27-Jan-16 A
GAZII-MMS-1220	Prep. & Sub. Flange Gasket	9.00	23-Feb-16 A	25-Feb-16 A
GAZII-MMS-1230	Review & Approval of Flange Gasket	21.00	25-Feb-16 A	02-Mar-16 A
GAZII-MMS-1240	Prep. & Sub. Pressure Gauges & Snubbers	5.00	20-Dec-15	01-Oct-16
GAZII-MMS-1250	Review & Approval of Pressure Gauges & Snubbers	21.00	23-Dec-15	20-Oct-16
GAZII-MMS-1260	Prep. & Sub. Ball Valves DN50 & Smaller	5.00	13-Dec-15	16-Dec-15
GAZII-MMS-1270	Review & Approval of Ball Valves DN50 & Smaller	21.00	16-Dec-15	30-Dec-15
GAZII-MMS-1280	Prep. & Sub. Bolts, washers, and nuts	5.00	22-Feb-16 A	24-Feb-16 A
GAZII-MMS-1290	Review & Approval of Bolts, washers, and nuts	21.00	24-Feb-16 A	01-Mar-16 A
GAZII-MMS-1340	Prep. & Sub. Gate Valve - 6", 8" & 10"	10.00	26-Jan-16 A	23-Feb-16 A
GAZII-MMS-1350	Review & Approval of Gate Valve - 6", 8" & 10"	21.00	28-Jan-16 A	08-Mar-16 A
GAZII-MMS-1360	Prep. & Sub. Mechanical Coupling	10.00	22-Jan-16 A	28-Apr-16 A
GAZII-MMS-1370	Review & Approval of Mechanical Coupling	21.00	25-Jan-16 A	10-Mar-16 A
GAZII-MMS-1380	Prep. & Sub. Perforated Pipes	10.00	04-Dec-15	07-Dec-15
GAZII-MMS-1390	Review & Approval of Perforated Pipes	21.00	06-Dec-15	15-Dec-15
GAZII-MMS-1400	Prep. & Sub. Float Control Valve	5.00	28-Jan-16 A	15-Aug-16
GAZII-MMS-1410	Review & Approval of Float Control Valve	21.00	31-Jan-16 A	25-Aug-16
GAZII-MMS-1420	Prep. & Sub. Booster Pump Control Valves	5.00	20-Feb-16 A	01-Oct-16
GAZII-MMS-1430	Review & Approval of Booster Pump Control Valves	21.00	23-Feb-16 A	10-Oct-16
GAZII-MMS-1440	Prep. & Sub. Booster Pump flow meter (Electromagnetic Flow meter)	5.00	05-Mar-16 A	04-Aug-16
GAZII-MMS-1450	Review & Approval of Booster Pump flow meter(Electromagnetic Flow meter)	21.00	31-Mar-16 A	07-Aug-16
GAZII-MMS-1520	Prep. & Sub. Lightning System	5.00	01-May-16	17-May-16
GAZII-MMS-1530	Review & Approval of Lightning System	21.00	03-May-16	19-May-16
GAZII-MMS-1600	Prep. & Sub. Flap Valves	5.00	20-Dec-15	23-Dec-15
GAZII-MMS-1610	Review & Approval of Flap Valves	21.00	23-Dec-15	03-Jan-16 A
GAZII-MMS-1611	Prep. & Sub. Joint Restraint fitting for UPVC Pipe and fitting, pipe transition adapters	5.00	01-Dec-15	14-Feb-16 A
GAZII-MMS-1612	Review & Approval of Joint Restraint fitting for UPVC Pipe and fitting, pipe transition adapters	21.00	03-Dec-15	28-Feb-16 A
GAZII-MMS-1613	Prep. & Sub. Sodium hypochlorite system	5.00	20-Dec-15	24-Mar-16 A
GAZII-MMS-1614	Review & Approval of Sodium hypochlorite system	21.00	23-Dec-15	12-Apr-16 A
GAZII-MMS-1615	Prep. & Sub. HVAC-Plumbing Component	5.00	21-Dec-15	23-Dec-15
GAZII-MMS-1616	Review & Approval of HVAC-Plumbing Component	21.00	23-Dec-15	03-Jan-16 A
GAZII-MMS-3000	Prep. & Sub. of Ductail Iron Fittings	5.00	13-Feb-16 A	24-Apr-16 A
GAZII-MMS-3010	Review & Approval of Ductail Iron Fittings	21.00	15-Feb-16 A	08-May-16
GAZII-MMS-3020	Prep. & Sub. Ball Valves DN75 & Larger	15.00	20-Jan-16 A	11-Feb-16 A
GAZII-MMS-3030	Review & Approval of Ball Valves DN75 & Larger	21.00	24-Jan-16 A	23-Feb-16 A
GAZII-MMS-3040	Prep. & Sub. of Ductail Iron Pipes for Booster Pump	5.00	18-Jan-16 A	24-Apr-16 A
GAZII-MMS-3050	Review & Approval of Ductail Iron Pipes for Booster Pump	21.00	21-Jan-16 A	08-May-16
GAZII-MMS-3060	Prep. & Sub. of UPVC pipe transition adapters	15.00	12-Feb-16 A	27-Mar-16 A
GAZII-MMS-3070	Review & Approval of UPVC pipe transition adapters	21.00	15-Feb-16 A	31-Mar-16 A



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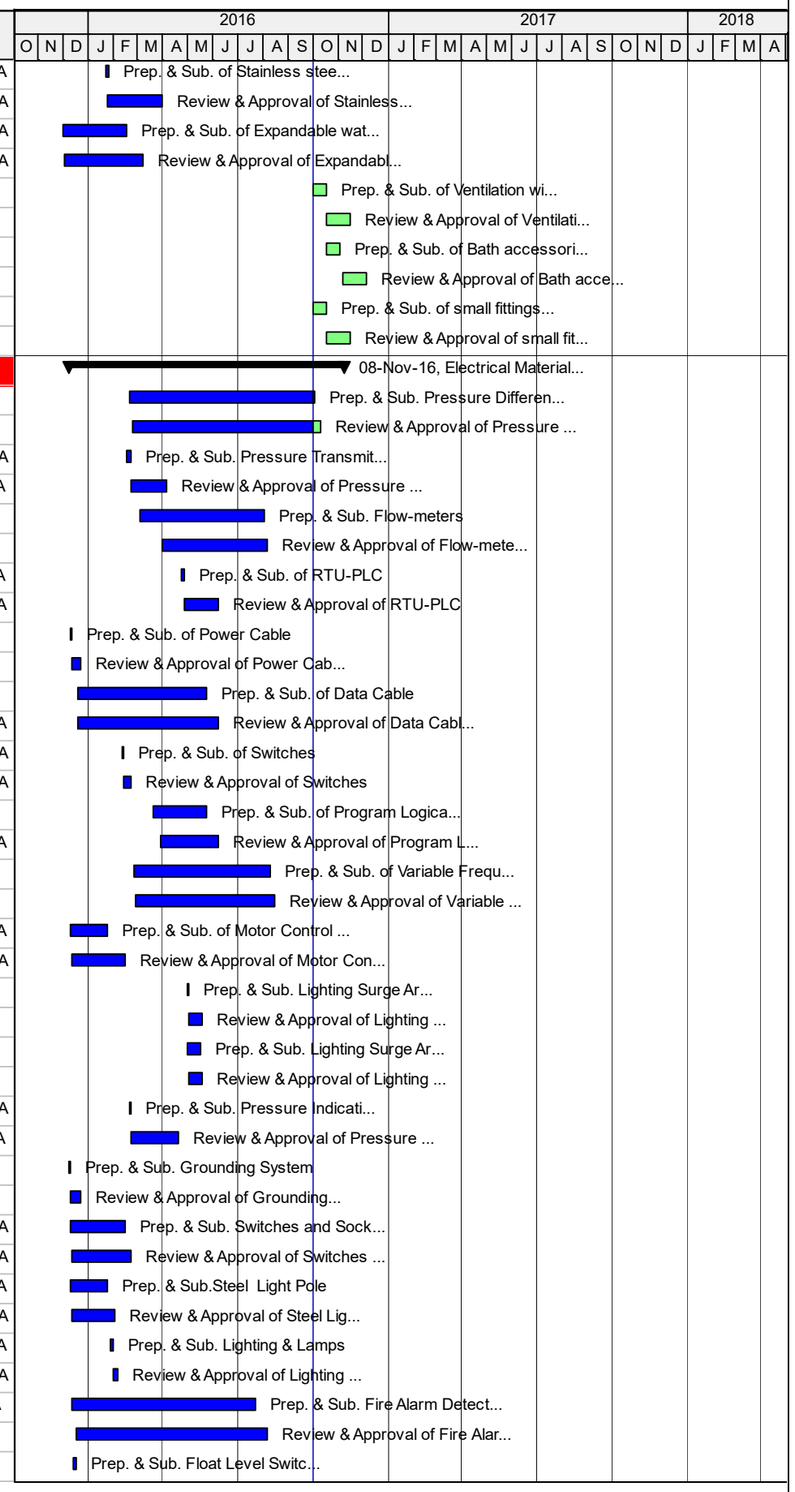
Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-MMS-3080	Prep. & Sub. of Stainless steel pipes and fitting	15.00	22-Jan-16 A	27-Jan-16 A
GAZII-MMS-3090	Review & Approval of Stainless steel pipes and fitting	21.00	24-Jan-16 A	31-Mar-16 A
GAZII-MMS-3100	Prep. & Sub. of Expandable water stop.	15.00	01-Dec-15	17-Feb-16 A
GAZII-MMS-3110	Review & Approval of Expandable water stop.	21.00	03-Dec-15	08-Mar-16 A
GAZII-MMS-3120	Prep. & Sub. of Ventilation with FRG duct	15.00	01-Oct-16	17-Oct-16
GAZII-MMS-3130	Review & Approval of Ventilation with FRG duct	21.00	18-Oct-16	16-Nov-16
GAZII-MMS-3140	Prep. & Sub. of Bath accessories	15.00	18-Oct-16	03-Nov-16
GAZII-MMS-3150	Review & Approval of Bath accessories	21.00	06-Nov-16	05-Dec-16
GAZII-MMS-3160	Prep. & Sub. of small fittings for disinfection building and duct	15.00	01-Oct-16	17-Oct-16
GAZII-MMS-3170	Review & Approval of small fittings for disinfection building and duct	21.00	18-Oct-16	16-Nov-16
Electrical Material Submittals				
GAZII-EMS-100	Prep. & Sub. Pressure Differential switches	9.00	20-Feb-16 A	03-Oct-16
GAZII-EMS-110	Review & Approval of Pressure differential switches	21.00	25-Feb-16 A	10-Oct-16
GAZII-EMS-180	Prep. & Sub. Pressure Transmitters	5.00	18-Feb-16 A	23-Feb-16 A
GAZII-EMS-190	Review & Approval of Pressure Transmitters	21.00	23-Feb-16 A	06-Apr-16 A
GAZII-EMS-200	Prep. & Sub. Flow-meters	5.00	05-Mar-16 A	04-Aug-16
GAZII-EMS-210	Review & Approval of Flow-meters	21.00	31-Mar-16 A	07-Aug-16
GAZII-EMS-220	Prep. & Sub. of RTU-PLC	20.00	24-Apr-16 A	28-Apr-16 A
GAZII-EMS-230	Review & Approval of RTU-PLC	21.00	28-Apr-16 A	08-Jun-16 A
GAZII-EMS-260	Prep. & Sub. of Power Cable	5.00	11-Dec-15	13-Dec-15
GAZII-EMS-270	Review & Approval of Power Cable	21.00	13-Dec-15	23-Dec-15
GAZII-EMS-280	Prep. & Sub. of Data Cable	5.00	19-Dec-15	24-May-16
GAZII-EMS-290	Review & Approval of Data Cable	21.00	20-Dec-15	08-Jun-16 A
GAZII-EMS-320	Prep. & Sub. of Switches	5.00	12-Feb-16 A	14-Feb-16 A
GAZII-EMS-330	Review & Approval of Switches	21.00	14-Feb-16 A	23-Feb-16 A
GAZII-EMS-340	Prep. & Sub. of Program Logical Controller (PLC) Panel For Booster Station.	5.00	21-Mar-16 A	24-May-16
GAZII-EMS-350	Review & Approval of Program Logical Controller (PLC) Panel For Booster Station.	21.00	29-Mar-16 A	08-Jun-16 A
GAZII-EMS-360	Prep. & Sub. of Variable Frequency Drives (VFD)	5.00	26-Feb-16 A	11-Aug-16
GAZII-EMS-370	Review & Approval of Variable Frequency Drives (VFD)	21.00	28-Feb-16 A	16-Aug-16
GAZII-EMS-420	Prep. & Sub. of Motor Control Centers (MCC)	5.00	10-Dec-15	24-Jan-16 A
GAZII-EMS-430	Review & Approval of Motor Control Centers (MCC)	21.00	13-Dec-15	16-Feb-16 A
GAZII-EMS-480	Prep. & Sub. Lighting Surge Arrestor	5.00	01-May-16	03-May-16
GAZII-EMS-490	Review & Approval of Lighting Surge Arrestor	21.00	03-May-16	19-May-16
GAZII-EMS-500	Prep. & Sub. Lighting Surge Arrestor Cabinet	5.00	01-May-16	17-May-16
GAZII-EMS-510	Review & Approval of Lighting Surge Arrestor Cabinet	21.00	03-May-16	19-May-16
GAZII-EMS-520	Prep. & Sub. Pressure Indicating Transmitter	9.00	20-Feb-16 A	23-Feb-16 A
GAZII-EMS-530	Review & Approval of Pressure Indicating Transmitter	21.00	23-Feb-16 A	21-Apr-16 A
GAZII-EMS-540	Prep. & Sub. Grounding System	9.00	08-Dec-15	10-Dec-15
GAZII-EMS-550	Review & Approval of Grounding System	21.00	10-Dec-15	24-Dec-15
GAZII-EMS-560	Prep. & Sub. Switches and Sockets	9.00	10-Dec-15	15-Feb-16 A
GAZII-EMS-570	Review & Approval of Switches and Sockets	21.00	13-Dec-15	23-Feb-16 A
GAZII-EMS-580	Prep. & Sub.Steel Light Pole	9.00	10-Dec-15	24-Jan-16 A
GAZII-EMS-590	Review & Approval of Steel Light Pole	21.00	13-Dec-15	03-Feb-16 A
GAZII-EMS-600	Prep. & Sub. Lighting & Lamps	9.00	28-Jan-16 A	31-Jan-16 A
GAZII-EMS-610	Review & Approval of Lighting & Lamps	21.00	31-Jan-16 A	07-Feb-16 A
GAZII-EMS-620	Prep. & Sub. Fire Alarm Detection	9.00	12-Dec-15	24-Jul-16 A
GAZII-EMS-630	Review & Approval of Fire Alarm Detection	21.00	17-Dec-15	07-Aug-16
GAZII-EMS-640	Prep. & Sub. Float Level Switch	9.00	14-Dec-15	17-Dec-15



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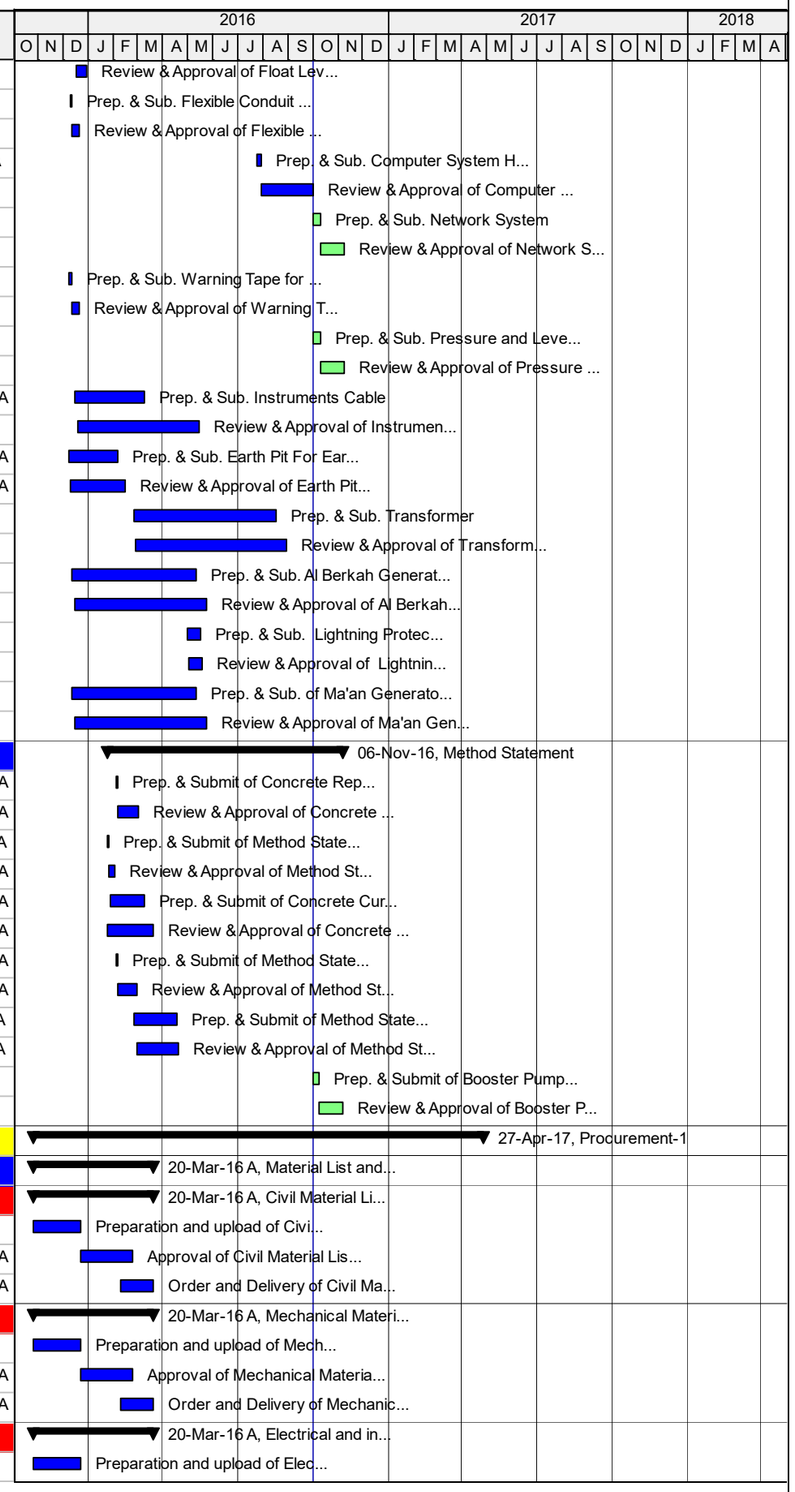
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

Activity ID	Activity Name	Original Duration	Start	Finish
GAZII-EMS-650	Review & Approval of Float Level Switch	21.00	17-Dec-15	30-Dec-15
GAZII-EMS-660	Prep. & Sub. Flexible Conduit For Electrical Work	9.00	11-Dec-15	13-Dec-15
GAZII-EMS-670	Review & Approval of Flexible Conduit For Electrical Work	21.00	13-Dec-15	22-Dec-15
GAZII-EMS-680	Prep. & Sub. Computer System Hardware	9.00	25-Jul-16 A	31-Jul-16 A
GAZII-EMS-690	Review & Approval of Computer System Hardware	21.00	31-Jul-16 A	02-Oct-16
GAZII-EMS-700	Prep. & Sub. Network System	9.00	01-Oct-16	10-Oct-16
GAZII-EMS-710	Review & Approval of Network System	21.00	11-Oct-16	08-Nov-16
GAZII-EMS-720	Prep. & Sub. Warning Tape for Electrical Work	9.00	09-Dec-15	13-Dec-15
GAZII-EMS-730	Review & Approval of Warning Tape for Electrical Work	21.00	13-Dec-15	21-Dec-15
GAZII-EMS-740	Prep. & Sub. Pressure and Level Instrument	9.00	01-Oct-16	10-Oct-16
GAZII-EMS-750	Review & Approval of Pressure and Level Instrument	21.00	11-Oct-16	08-Nov-16
GAZII-EMS-760	Prep. & Sub. Instruments Cable	9.00	15-Dec-15	09-Mar-16 A
GAZII-EMS-770	Review & Approval of Instruments Cable	21.00	19-Dec-15	16-May-16
GAZII-EMS-780	Prep. & Sub. Earth Pit For Earthing Electrode - With Sample.	9.00	08-Dec-15	07-Feb-16 A
GAZII-EMS-790	Review & Approval of Earth Pit For Earthing Electrode - With Sample.	21.00	10-Dec-15	16-Feb-16 A
GAZII-EMS-800	Prep. & Sub. Transformer	9.00	26-Feb-16 A	17-Aug-16
GAZII-EMS-810	Review & Approval of Transformer	21.00	28-Feb-16 A	31-Aug-16
GAZII-EMS-820	Prep. & Sub. Al Berkah Generator	9.00	12-Dec-15	12-May-16
GAZII-EMS-830	Review & Approval of Al Berkah Generator	21.00	15-Dec-15	24-May-16
GAZII-EMS-840	Prep. & Sub. Lightning Protection System	9.00	01-May-16	17-May-16
GAZII-EMS-850	Review & Approval of Lightning Protection System	21.00	03-May-16	19-May-16
GAZII-EMS-860	Prep. & Sub. of Ma'an Generator	9.00	12-Dec-15	12-May-16
GAZII-EMS-870	Review & Approval of Ma'an Generator	21.00	15-Dec-15	24-May-16
Method Statement				
GAZII-MS-1500	Prep. & Submit of Concrete Repair Method Statement	7.00	05-Feb-16 A	07-Feb-16 A
GAZII-MS-1510	Review & Approval of Concrete Repair Method Statement	21.00	07-Feb-16 A	03-Mar-16 A
GAZII-MS-1520	Prep. & Submit of Method Statement for warehouse Demolition at Ma'an	15.00	25-Jan-16 A	27-Jan-16 A
GAZII-MS-1530	Review & Approval of Method Statement for warehouse Demolition at Ma'an	21.00	27-Jan-16 A	03-Feb-16 A
GAZII-MS-1540	Prep. & Submit of Concrete Curing Method Statement	7.00	29-Jan-16 A	10-Mar-16 A
GAZII-MS-1550	Review & Approval of Concrete Curing Method Statement	21.00	24-Jan-16 A	21-Mar-16 A
GAZII-MS-1560	Prep. & Submit of Method Statement for water stop installation	7.00	05-Feb-16 A	07-Feb-16 A
GAZII-MS-1570	Review & Approval of Method Statement for water stop installation	21.00	07-Feb-16 A	01-Mar-16 A
GAZII-MS-1580	Prep. & Submit of Method Statement for (Existing Guard Room Protection- Al Berkah)	7.00	26-Feb-16 A	18-Apr-16 A
GAZII-MS-1590	Review & Approval of Method Statement for (Existing Guard Room Protection- Al Berkah)	21.00	01-Mar-16 A	21-Apr-16 A
GAZII-MS-1600	Prep. & Submit of Booster Pump installation method statement	7.00	01-Oct-16	08-Oct-16
GAZII-MS-1610	Review & Approval of Booster Pump installation method statement	21.00	09-Oct-16	06-Nov-16
Procurement-1				
Material List and Coordination				
Civil Material List				
GRAMMS820	Preparation and upload of Civil Material List No 01 on GRAMMS	53.00	26-Oct-15 A	24-Dec-15
GRAMMS830	Approval of Civil Material List No 01 on GRAMMS	53.00	24-Dec-15	25-Feb-16 A
PRO-1050	Order and Delivery of Civil Material No. 01	20.00	10-Feb-16 A	20-Mar-16 A
Mechanical Material List				
GRAMMS900	Preparation and upload of Mechanical Material List No 01 on GRAMMS	53.00	26-Oct-15 A	24-Dec-15
GRAMMS910	Approval of Mechanical Material List No 01 on GRAMMS	53.00	24-Dec-15	25-Feb-16 A
PRO-1090	Order and Delivery of Mechanical Material No. 01	20.00	10-Feb-16 A	20-Mar-16 A
Electrical and instrumentation Material List				
GRAMMS980	Preparation and upload of Electrical Material List No 01 on GRAMMS	53.00	26-Oct-15 A	24-Dec-15



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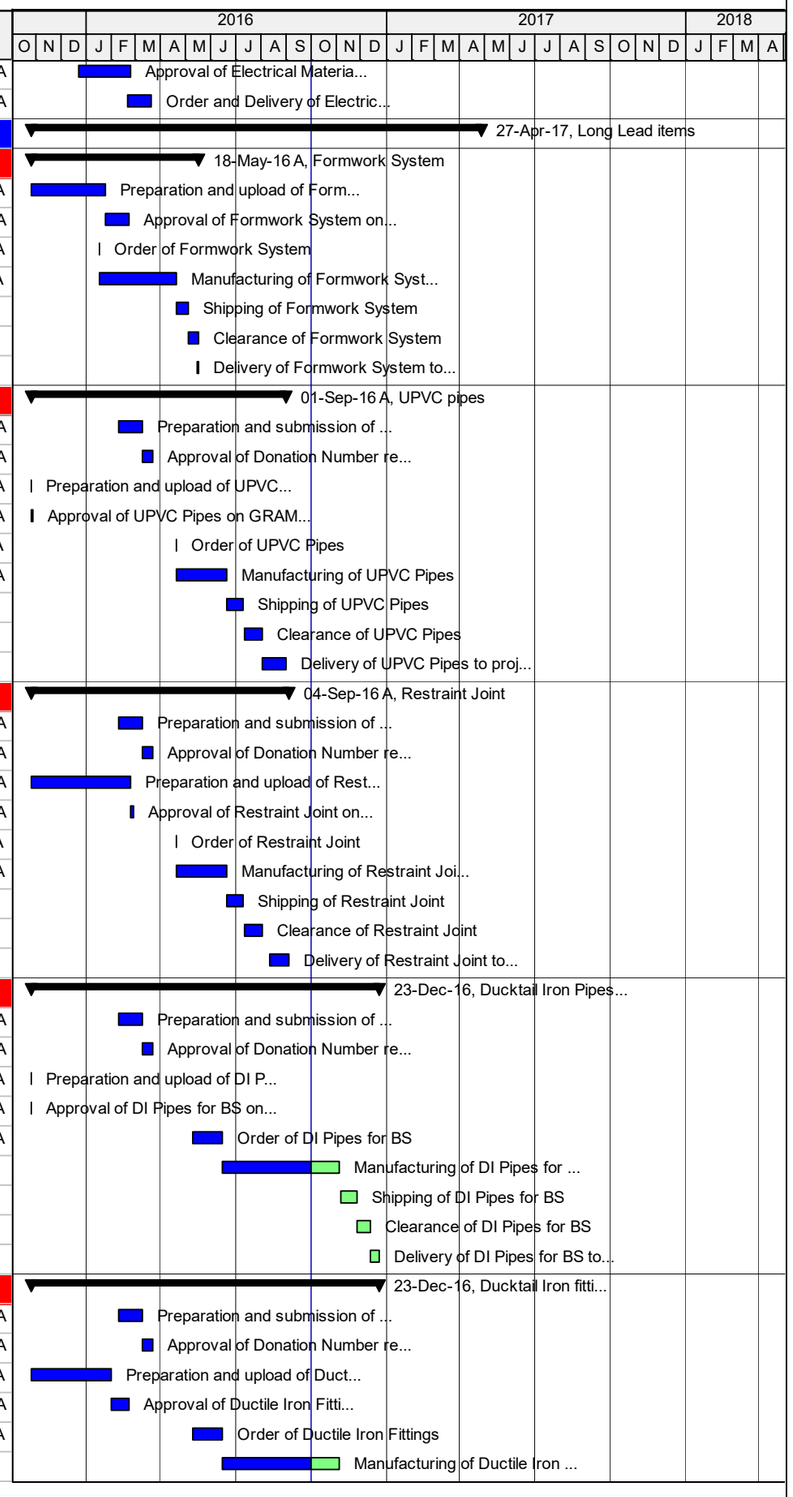
Activity ID	Activity Name	Original Duration	Start	Finish
GRAMMS990	Approval of Electrical Material List No 01 on GRAMMS	53.00	24-Dec-15	25-Feb-16 A
PRO-1130	Order and Delivery of Electrical Material List No. 01	20.00	20-Feb-16 A	20-Mar-16 A
Long Lead items				
Formwork System				
GRAMMS180	Preparation and upload of Formwork System on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS190	Approval of Formwork System on GRAMMS	53.00	25-Jan-16 A	22-Feb-16 A
PROC-1000	Order of Formwork System	2.00	17-Jan-16 A	17-Jan-16 A
PROC-1010	Manufacturing of Formwork System	46.75	17-Jan-16 A	20-Apr-16 A
PROC-1020	Shipping of Formwork System	14.00	20-Apr-16 A	05-May-16
PROC-1030	Clearance of Formwork System	12.00	05-May-16	17-May-16
PROC-1040	Delivery of Formwork System to project site	3.00	15-May-16	18-May-16
UPVC pipes				
DN-1020	Preparation and submission of Donation number request for UPVC Pipes	30.00	09-Feb-16 A	09-Mar-16 A
DN-1030	Approval of Donation Number request for UPVC Pipes	100.00	09-Mar-16 A	22-Mar-16 A
GRAMMS200	Preparation and upload of UPVC Pipes on GRAMMS	53.00	26-Oct-15 A	27-Oct-15 A
GRAMMS210	Approval of UPVC Pipes on GRAMMS	53.00	27-Oct-15 A	28-Oct-15 A
PROC-1050	Order of UPVC Pipes	6.00	20-Apr-16 A	20-Apr-16 A
PROC-1060	Manufacturing of UPVC Pipes	120.00	20-Apr-16 A	20-Jun-16 A
PROC-1070	Shipping of UPVC Pipes	21.00	21-Jun-16 A	11-Jul-16 A
PROC-1080	Clearance of UPVC Pipes	14.00	12-Jul-16 A	03-Aug-16
PROC-1090	Delivery of UPVC Pipes to project site	5.00	03-Aug-16	01-Sep-16
Restraint Joint				
DN-1040	Preparation and submission of Donation number request for Restraint Joint	30.00	09-Feb-16 A	09-Mar-16 A
DN-1050	Approval of Donation Number request for Restraint Joint	100.00	09-Mar-16 A	22-Mar-16 A
GRAMMS220	Preparation and upload of Restraint Joint on GRAMMS	53.00	27-Oct-15 A	24-Feb-16 A
GRAMMS230	Approval of Restraint Joint on GRAMMS	53.00	24-Feb-16 A	28-Feb-16 A
PROC-1100	Order of Restraint Joint	6.00	20-Apr-16 A	20-Apr-16 A
PROC-1110	Manufacturing of Restraint Joint	120.00	20-Apr-16 A	20-Jun-16 A
PROC-1120	Shipping of Restraint Joint	21.00	21-Jun-16 A	11-Jul-16 A
PROC-1130	Clearance of Restraint Joint	14.00	12-Jul-16 A	03-Aug-16
PROC-1140	Delivery of Restraint Joint to project site	5.00	13-Aug-16	04-Sep-16
Ducktail Iron Pipes for Booster Station				
DN-1060	Preparation and submission of Donation number request for DI Pipes for BS	30.00	09-Feb-16 A	09-Mar-16 A
DN-1070	Approval of Donation Number request for DI Pipes for BS	100.00	09-Mar-16 A	23-Mar-16 A
GRAMMS240	Preparation and upload of DI Pipes for BS on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS250	Approval of DI Pipes for BS on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1150	Order of DI Pipes for BS	6.00	11-May-16	15-Jun-16 A
PROC-1160	Manufacturing of DI Pipes for BS	60.00	15-Jun-16 A	05-Nov-16
PROC-1170	Shipping of DI Pipes for BS	21.00	06-Nov-16	26-Nov-16
PROC-1180	Clearance of DI Pipes for BS	14.00	27-Nov-16	12-Dec-16
PROC-1190	Delivery of DI Pipes for BS to project site	10.00	13-Dec-16	23-Dec-16
Ducktail Iron fittings				
DN-1100	Preparation and submission of Donation number request for Ductile Iron Fittings	30.00	09-Feb-16 A	09-Mar-16 A
DN-1110	Approval of Donation Number request for Ductile Iron Fittings	100.00	09-Mar-16 A	23-Mar-16 A
GRAMMS280	Preparation and upload of Ductile Iron Fittings on GRAMMS	53.00	27-Oct-15 A	31-Jan-16 A
GRAMMS290	Approval of Ductile Iron Fittings on GRAMMS	53.00	31-Jan-16 A	22-Feb-16 A
PROC-1250	Order of Ductile Iron Fittings	6.00	11-May-16	15-Jun-16 A
PROC-1260	Manufacturing of Ductile Iron Fittings	40.00	15-Jun-16 A	05-Nov-16



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Activity ID	Activity Name	Original Duration	Start	Finish
PROC-1270	Shipping of Ductile Iron Fittings	21.00	06-Nov-16	26-Nov-16
PROC-1280	Clearance of Ductile Iron Fittings	14.00	27-Nov-16	12-Dec-16
PROC-1290	Delivery of Ductile Iron Fittings to project site	10.00	13-Dec-16	23-Dec-16
Gate Valves				
DN-1120	Preparation and submission of Donation number request for Gate Valves	30.00	20-Mar-16 A	30-Apr-16 A
DN-1130	Approval of Donation Number request for Gate Valves	100.00	30-Apr-16 A	15-May-16
GRAMMS300	Preparation and upload of Gate Valves on GRAMMS	53.00	27-Oct-15 A	31-Jan-16 A
GRAMMS310	Approval of Gate Valves on GRAMMS	53.00	31-Jan-16 A	22-Feb-16 A
PROC-1300	Order of Gate Valves	6.00	01-May-16	17-May-16
PROC-1310	Manufacturing of Gate Valves	60.00	17-May-16	17-May-16
PROC-1320	Shipping of Gate Valves	21.00	22-May-16	12-Oct-16
PROC-1330	Clearance of Gate Valves	14.00	13-Oct-16	31-Oct-16
PROC-1340	Delivery of Gate Valves to project site	5.00	01-Nov-16	06-Nov-16
Butterfly valves				
DN-1140	Preparation and submission of Donation number request for Butterfly Valves	30.00	20-Mar-16 A	30-Apr-16 A
DN-1150	Approval of Donation Number request for Butterfly Valves	100.00	30-Apr-16 A	15-May-16
GRAMMS320	Preparation and upload of Butterfly Valves on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS330	Approval of Butterfly Valves on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1350	Order of Butterfly Valves	6.00	30-May-16	30-May-16
PROC-1360	Manufacturing of Butterfly Valves	80.00	31-May-16	15-Jun-16 A
PROC-1370	Shipping of Butterfly Valves	21.00	16-Jun-16 A	06-Oct-16
PROC-1380	Clearance of Butterfly Valves	14.00	07-Oct-16	26-Oct-16
PROC-1390	Delivery of Butterfly Valves to project site	10.00	27-Oct-16	07-Nov-16
Electromagnetic Flow Meter				
GRAMMS340	Preparation and upload of Electromagnetic Flow Meters on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS350	Approval of Electromagnetic Flow Meters on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1400	Order of Electromagnetic Flow Meters	6.00	21-Jul-16 A	15-Aug-16
PROC-1410	Manufacturing of Electromagnetic Flow Meters	95.00	15-Aug-16	11-Nov-16
PROC-1420	Shipping of Electromagnetic Flow Meters	21.00	12-Nov-16	02-Dec-16
PROC-1430	Clearance of Electromagnetic Flow Meters	14.00	04-Dec-16	19-Dec-16
PROC-1440	Delivery of Electromagnetic Flow Meters to project site	5.00	20-Dec-16	25-Dec-16
UPVC Flange adaptor				
DN-1180	Preparation and submission of Donation number request for UPVC Flange Adaptor	30.00	09-Feb-16 A	09-Mar-16 A
DN-1190	Approval of Donation Number request for UPVC Flange Adaptor	100.00	09-Mar-16 A	22-Mar-16 A
GRAMMS360	Preparation and upload of UPVC Flange Adaptor on GRAMMS	53.00	27-Oct-15 A	31-Jan-16 A
GRAMMS370	Approval of UPVC Flange Adaptor on GRAMMS	53.00	31-Jan-16 A	22-Feb-16 A
PROC-1450	Order of UPVC Flange Adaptor	6.00	20-Apr-16 A	20-Apr-16 A
PROC-1460	Manufacturing of UPVC Flange Adaptor	80.00	20-Apr-16 A	01-Sep-16
PROC-1470	Shipping of UPVC Flange Adaptor	21.00	01-Sep-16	21-Oct-16
PROC-1480	Clearance of UPVC Flange Adaptor	14.00	23-Oct-16	08-Nov-16
PROC-1490	Delivery of UPVC Flange Adaptor to project site	10.00	09-Nov-16	20-Nov-16
Dismantling Joints				
DN-1220	Preparation and submission of Donation number request for Dismantling Joints	30.00	20-Mar-16 A	30-Apr-16 A
DN-1230	Approval of Donation Number request for Dismantling Joints	100.00	30-Apr-16 A	15-May-16
GRAMMS400	Preparation and upload of Dismantling Joints on GRAMMS	53.00	26-Oct-15 A	27-Oct-15 A
GRAMMS410	Approval of Dismantling Joints on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1550	Order of Dismantling Joints	6.00	14-Apr-16 A	25-Apr-16 A
PROC-1560	Manufacturing of Dismantling Joints	70.00	25-Apr-16 A	15-Jun-16 A

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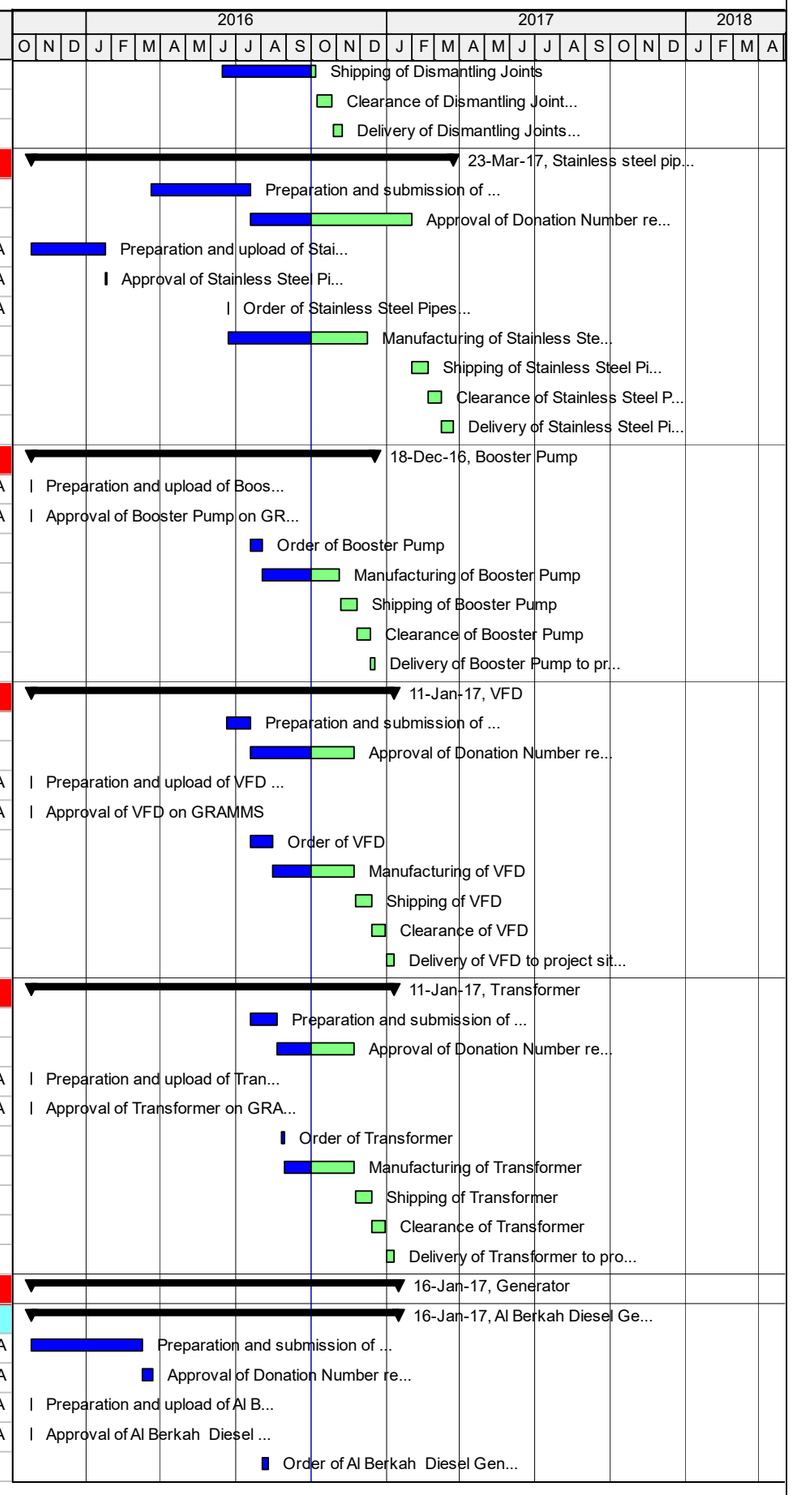
Activity ID	Activity Name	Original Duration	Start	Finish
PROC-1570	Shipping of Dismantling Joints	21.00	16-Jun-16 A	07-Oct-16
PROC-1580	Clearance of Dismantling Joints	14.00	09-Oct-16	27-Oct-16
PROC-1590	Delivery of Dismantling Joints to project site	10.00	28-Oct-16	08-Nov-16
Stainless steel pipes and fitting				
DN-1240	Preparation and submission of Donation number request for Stainless Steel Pipes and Fittings	30.00	20-Mar-16 A	20-Jul-16 A
DN-1250	Approval of Donation Number request for Stainless Steel Pipes and Fittings	100.00	20-Jul-16 A	31-Jan-17
GRAMMS420	Preparation and upload of Stainless Steel Pipes and Fittings on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS430	Approval of Stainless Steel Pipes and Fittings on GRAMMS	53.00	25-Jan-16 A	26-Jan-16 A
PROC-1600	Order of Stainless Steel Pipes and Fittings	30.00	23-Jun-16 A	23-Jun-16 A
PROC-1610	Manufacturing of Stainless Steel Pipes and Fittings	70.00	23-Jun-16 A	09-Dec-16
PROC-1620	Shipping of Stainless Steel Pipes and Fittings	21.00	01-Feb-17	21-Feb-17
PROC-1630	Clearance of Stainless Steel Pipes and Fittings	14.00	22-Feb-17	09-Mar-17
PROC-1640	Delivery of Stainless Steel Pipes and Fittings to project site	10.00	10-Mar-17	23-Mar-17
Booster Pump				
GRAMMS440	Preparation and upload of Booster Pump on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS450	Approval of Booster Pump on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1650	Order of Booster Pump	30.00	20-Jul-16 A	04-Aug-16
PROC-1660	Manufacturing of Booster Pump	105.00	04-Aug-16	05-Nov-16
PROC-1670	Shipping of Booster Pump	21.00	06-Nov-16	26-Nov-16
PROC-1680	Clearance of Booster Pump	14.00	27-Nov-16	12-Dec-16
PROC-1690	Delivery of Booster Pump to project site	5.00	13-Dec-16	18-Dec-16
VFD				
DN-1280	Preparation and submission of Donation number request for VFD	30.00	20-Jun-16 A	20-Jul-16 A
DN-1290	Approval of Donation Number request for VFD	100.00	20-Jul-16 A	23-Nov-16
GRAMMS460	Preparation and upload of VFD on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS470	Approval of VFD on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1700	Order of VFD	6.00	20-Jul-16 A	15-Aug-16
PROC-1710	Manufacturing of VFD	100.00	15-Aug-16	23-Nov-16
PROC-1720	Shipping of VFD	21.00	24-Nov-16	14-Dec-16
PROC-1730	Clearance of VFD	14.00	15-Dec-16	30-Dec-16
PROC-1740	Delivery of VFD to project site	10.00	01-Jan-17	11-Jan-17
Transformer				
DN-1300	Preparation and submission of Donation number request for Transformer	30.00	20-Jul-16 A	22-Aug-16
DN-1310	Approval of Donation Number request for Transformer	80.00	22-Aug-16	23-Nov-16
GRAMMS480	Preparation and upload of Transformer on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS490	Approval of Transformer on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1750	Order of Transformer	6.00	27-Aug-16	30-Aug-16
PROC-1760	Manufacturing of Transformer	93.00	31-Aug-16	23-Nov-16
PROC-1770	Shipping of Transformer	21.00	24-Nov-16	14-Dec-16
PROC-1780	Clearance of Transformer	14.00	15-Dec-16	30-Dec-16
PROC-1790	Delivery of Transformer to project site	10.00	01-Jan-17	11-Jan-17
Generator				
Al Berkah Diesel Generator				
DN-1320	Preparation and submission of Donation number request for Al Berkah Diesel Generator	30.00	27-Oct-15 A	09-Mar-16 A
DN-1330	Approval of Donation Number request for Al Berkah Diesel Generator	100.00	09-Mar-16 A	22-Mar-16 A
GRAMMS500	Preparation and upload of Al Berkah Diesel Generator on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS510	Approval of Al Berkah Diesel Generator on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1800	Order of Al Berkah Diesel Generator	6.00	03-Aug-16	10-Aug-16



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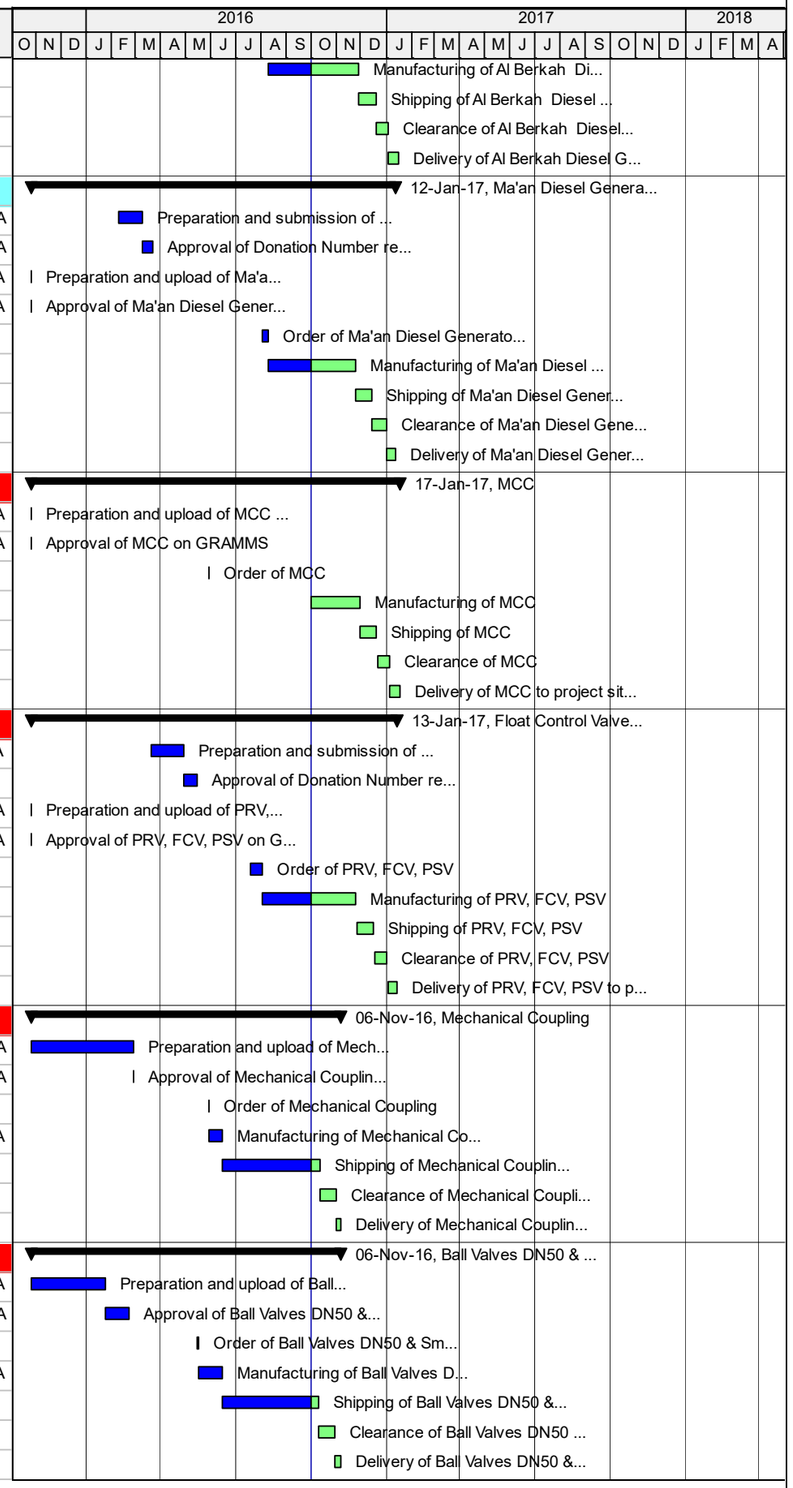
Activity ID	Activity Name	Original Duration	Start	Finish
PROC-1810	Manufacturing of Al Berkah Diesel Generator	80.00	10-Aug-16	28-Nov-16
PROC-1820	Shipping of Al Berkah Diesel Generator	21.00	28-Nov-16	19-Dec-16
PROC-1830	Clearance of Al Berkah Diesel Generator	14.00	19-Dec-16	04-Jan-17
PROC-1840	Delivery of Al Berkah Diesel Generator to project site	10.00	04-Jan-17	16-Jan-17
Ma'an Diesel Generator				
DN-1620	Preparation and submission of Donation number request for Ma'an Diesel Generator	30.00	09-Feb-16 A	09-Mar-16 A
DN-1630	Approval of Donation Number request for Ma'an Diesel Generator	100.00	09-Mar-16 A	22-Mar-16 A
GRAMMS800	Preparation and upload of Ma'an Diesel Generator on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS810	Approval of Ma'an Diesel Generator on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-2550	Order of Ma'an Diesel Generator	6.00	03-Aug-16	10-Aug-16
PROC-2560	Manufacturing of Ma'an Diesel Generator	80.00	10-Aug-16	24-Nov-16
PROC-2570	Shipping of Ma'an Diesel Generator	21.00	24-Nov-16	15-Dec-16
PROC-2580	Clearance of Ma'an Diesel Generator	14.00	15-Dec-16	01-Jan-17
PROC-2590	Delivery of Ma'an Diesel Generator to project site	10.00	01-Jan-17	12-Jan-17
MCC				
GRAMMS520	Preparation and upload of MCC on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS530	Approval of MCC on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1850	Order of MCC	6.00	30-May-16	30-May-16
PROC-1860	Manufacturing of MCC	60.00	01-Oct-16	29-Nov-16
PROC-1870	Shipping of MCC	21.00	30-Nov-16	20-Dec-16
PROC-1880	Clearance of MCC	14.00	21-Dec-16	05-Jan-17
PROC-1890	Delivery of MCC to project site	10.00	06-Jan-17	17-Jan-17
Float Control Valve, Flow Control Valve, Pressure Reducing Valve, Pressure Sustaining Valve (DARB)				
DN-1360	Preparation and submission of Donation number request for PRV, FCV, PSV	30.00	20-Mar-16 A	30-Apr-16 A
DN-1370	Approval of Donation Number request for PRV, FCV, PSV	100.00	30-Apr-16 A	15-May-16
GRAMMS540	Preparation and upload of PRV, FCV, PSV on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS550	Approval of PRV, FCV, PSV on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1900	Order of PRV, FCV, PSV	6.00	20-Jul-16 A	04-Aug-16
PROC-1910	Manufacturing of PRV, FCV, PSV	70.00	04-Aug-16	25-Nov-16
PROC-1920	Shipping of PRV, FCV, PSV	21.00	26-Nov-16	16-Dec-16
PROC-1930	Clearance of PRV, FCV, PSV	14.00	18-Dec-16	02-Jan-17
PROC-1940	Delivery of PRV, FCV, PSV to project site	10.00	03-Jan-17	13-Jan-17
Mechanical Coupling				
GRAMMS560	Preparation and upload of Mechanical Coupling on GRAMMS	53.00	27-Oct-15 A	28-Feb-16 A
GRAMMS570	Approval of Mechanical Coupling on GRAMMS	53.00	28-Feb-16 A	28-Feb-16 A
PROC-1950	Order of Mechanical Coupling	6.00	30-May-16	30-May-16
PROC-1960	Manufacturing of Mechanical Coupling	70.00	30-May-16	15-Jun-16 A
PROC-1970	Shipping of Mechanical Coupling	21.00	16-Jun-16 A	11-Oct-16
PROC-1980	Clearance of Mechanical Coupling	14.00	13-Oct-16	31-Oct-16
PROC-1990	Delivery of Mechanical Coupling to project site	5.00	01-Nov-16	06-Nov-16
Ball Valves DN50 & Smaller				
GRAMMS600	Preparation and upload of Ball Valves DN50 & Smaller on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS610	Approval of Ball Valves DN50 & Smaller on GRAMMS	53.00	25-Jan-16 A	22-Feb-16 A
PROC-2050	Order of Ball Valves DN50 & Smaller	20.00	15-May-16	17-May-16
PROC-2060	Manufacturing of Ball Valves DN50 & Smaller	70.00	17-May-16	15-Jun-16 A
PROC-2070	Shipping of Ball Valves DN50 & Smaller	21.00	16-Jun-16 A	11-Oct-16
PROC-2080	Clearance of Ball Valves DN50 & Smaller	14.00	11-Oct-16	31-Oct-16
PROC-2090	Delivery of Ball Valves DN50 & Smaller to project site	5.00	31-Oct-16	06-Nov-16



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Activity ID	Activity Name	Original Duration	Start	Finish
Ball Valves DN75 & Larger				
GRAMMS620	Preparation and upload of Ball Valves DN75 & Larger on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS630	Approval of Ball Valves DN75 & Larger on GRAMMS	53.00	25-Jan-16 A	22-Feb-16 A
PROC-2100	Order of Ball Valves DN75 & Larger	10.00	10-May-16	17-May-16
PROC-2110	Manufacturing of Ball Valves DN75 & Larger	60.00	17-May-16	15-Jun-16 A
PROC-2120	Shipping of Ball Valves DN75 & Larger	21.00	16-Jun-16 A	12-Oct-16
PROC-2130	Clearance of Ball Valves DN75 & Larger	14.00	13-Oct-16	31-Oct-16
PROC-2140	Delivery of Ball Valves DN75 & Larger to project site	5.00	01-Nov-16	06-Nov-16
Strainers				
GRAMMS640	Preparation and upload of Strainers on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS650	Approval of Strainers on GRAMMS	53.00	25-Jan-16 A	22-Feb-16 A
PROC-2150	Order of Strainers	6.00	16-Apr-16 A	16-Apr-16 A
PROC-2160	Manufacturing of Strainers	70.00	16-Apr-16 A	15-Jun-16 A
PROC-2170	Shipping of Strainers	21.00	16-Jun-16 A	12-Oct-16
PROC-2180	Clearance of Strainers	14.00	13-Oct-16	31-Oct-16
PROC-2190	Delivery of Strainers to project site	5.00	01-Nov-16	06-Nov-16
Check valves				
GRAMMS660	Preparation and upload of Check Valves on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS670	Approval of Check Valves on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-2200	Order of Check Valves	6.00	30-May-16	13-Jun-16 A
PROC-2210	Manufacturing of Check Valves	80.00	13-Jun-16 A	05-Jul-16 A
PROC-2220	Shipping of Check Valves	21.00	06-Jul-16 A	12-Oct-16
PROC-2230	Clearance of Check Valves	14.00	13-Oct-16	31-Oct-16
PROC-2240	Delivery of Check Valves to project site	5.00	01-Nov-16	06-Nov-16
Combination Air Valves				
GRAMMS680	Preparation and upload of Combination Air Valves on GRAMMS	53.00	27-Oct-15 A	31-Jan-16 A
GRAMMS690	Approval of Combination Air Valves on GRAMMS	53.00	31-Jan-16 A	22-Feb-16 A
PROC-2250	Order of Combination Air Valves	6.00	30-May-16	13-Jun-16 A
PROC-2260	Manufacturing of Combination Air Valves	80.00	13-Jun-16 A	05-Jul-16 A
PROC-2270	Shipping of Combination Air Valves	21.00	05-Jul-16 A	12-Oct-16
PROC-2280	Clearance of Combination Air Valves	14.00	13-Oct-16	31-Oct-16
PROC-2290	Delivery of Combination Air Valves to project site	5.00	01-Nov-16	06-Nov-16
Flap Valves				
GRAMMS700	Preparation and upload of Flap Valves on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS710	Approval of Flap Valves on GRAMMS	53.00	25-Jan-16 A	25-Jan-16 A
PROC-2300	Order of Flap Valves	6.00	01-May-16	17-May-16
PROC-2310	Manufacturing of Flap Valves	60.00	17-May-16	05-Jul-16 A
PROC-2320	Shipping of Flap Valves	21.00	06-Jul-16 A	07-Oct-16
PROC-2330	Clearance of Flap Valves	14.00	09-Oct-16	27-Oct-16
PROC-2340	Delivery of Flap Valves to project site	10.00	28-Oct-16	08-Nov-16
Pressure Level Transmitter				
GRAMMS720	Preparation and upload of Pressure Level Transmitter on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS730	Approval of Pressure Level Transmitter on GRAMMS	53.00	25-Jan-16 A	22-Feb-16 A
PROC-2350	Order of Pressure Level Transmitter	6.00	30-May-16	30-May-16
PROC-2360	Manufacturing of Pressure Level Transmitter	120.00	31-May-16	09-Dec-16
PROC-2370	Shipping of Pressure Level Transmitter	21.00	10-Dec-16	30-Dec-16
PROC-2380	Clearance of Pressure Level Transmitter	14.00	01-Jan-17	16-Jan-17
PROC-2390	Delivery of Pressure Level Transmitter to project site	10.00	17-Jan-17	27-Jan-17

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Activity ID	Activity Name	Original Duration	Start	Finish
Disinfection and HDPE Tank				
DN-1640	Preparation and submission of Donation number request for Disinfection and HDPE Tank	30.00	02-Oct-16	10-Nov-16
DN-1650	Approval of Donation Number request for Disinfection and HDPE Tank	100.00	11-Nov-16	07-Mar-17
GRAMMS740	Preparation and upload of Disinfection and HDPE Tank on GRAMMS	53.00	27-Oct-15 A	25-Jan-16 A
GRAMMS750	Approval of Disinfection and HDPE Tank on GRAMMS	53.00	25-Jan-16 A	27-Jan-16 A
PROC-2400	Order of Disinfection and HDPE Tank	6.00	01-Oct-16	06-Oct-16
PROC-2410	Manufacturing of Disinfection and HDPE Tank	120.00	07-Oct-16	03-Feb-17
PROC-2420	Shipping of Disinfection and HDPE Tank	21.00	08-Mar-17	28-Mar-17
PROC-2430	Clearance of Disinfection and HDPE Tank	14.00	29-Mar-17	14-Apr-17
PROC-2440	Delivery of Disinfection and HDPE Tank to project site	10.00	16-Apr-17	27-Apr-17
Main Distrubution board				
DN-1580	Preparation and submission of Donation number request for Main Distribution Board	30.00	02-Oct-16	10-Nov-16
DN-1590	Approval of Donation Number request for Main Distribution Board	100.00	11-Nov-16	07-Mar-17
GRAMMS760	Preparation and upload of Main Distribution Board on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS770	Approval of Main Distribution Board on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-2450	Order of Main Distribution Board	6.00	30-May-16	30-May-16
PROC-2460	Manufacturing of Main Distribution Board	120.00	01-Jun-16 A	28-Jan-17
PROC-2470	Shipping of Main Distribution Board	21.00	08-Mar-17	28-Mar-17
PROC-2480	Clearance of Main Distribution Board	14.00	29-Mar-17	14-Apr-17
PROC-2490	Delivery of Main Distribution Board to project site	10.00	16-Apr-17	27-Apr-17
PLC Panel				
GRAMMS780	Preparation and upload of PLC Panel on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS790	Approval of PLC Panel on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-2500	Order of PLC Panel	6.00	05-Jun-16 A	15-Jun-16 A
PROC-2510	Manufacturing of PLC Panel	100.00	15-Jun-16 A	23-Nov-16
PROC-2520	Shipping of PLC Panel	21.00	24-Nov-16	14-Dec-16
PROC-2530	Clearance of PLC Panel	14.00	15-Dec-16	30-Dec-16
PROC-2540	Delivery of PLC Panel to project site	10.00	01-Jan-17	11-Jan-17
Lightning System				
GRAMMS260	Preparation and upload of Lightning System on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
GRAMMS270	Approval of Lightning System on GRAMMS	53.00	27-Oct-15 A	27-Oct-15 A
PROC-1200	Order of Lightning System	6.00	01-Oct-16	06-Oct-16
PROC-1210	Manufacturing of Lightning System	60.00	07-Oct-16	05-Dec-16
PROC-1220	Shipping of Lightning System	21.00	06-Dec-16	26-Dec-16
PROC-1230	Clearance of Lightning System	14.00	27-Dec-16	11-Jan-17
PROC-1240	Delivery of Lightning System to project site	10.00	12-Jan-17	23-Jan-17
Execution				
Project 1, Construction of Al Berkah Reservoir and Pumping Facilities				
Mobilization Cost				
GAZII - MOB1090	Al Berkah Mobilization Summary Cost	71.00	26-Oct-15 A	18-Jan-16 A
Construction of Al Berkah Facilities				
Traffic Control Plan and Safety measures				
E-BER-2640	Implementation of Safety measures and Traffic Control Plan for Al Berkah Facilities Site	2.00	14-Feb-16 A	16-Feb-16 A
E-BER-2670	Maintain of Traffic Control Plan and Safety measures for Al Berkah Facilities Site	317.07	16-Feb-16 A	08-Jul-17
E-BER-2680	Demolition, Site Cleaning & Grubbing	1.00	28-Mar-16 A	04-Apr-16 A
E-BER-2685	Miscellaneous Backfilling: Furnishing, leveling, and compaction	19.00	09-Nov-16	03-Dec-16
E-BER-7625	Implementation of Safety measures and protection for the existing room at Al Berkah Facilities Site	15.00	06-Jan-16 A	07-Jan-16 A
Al Berkah Booster Station				

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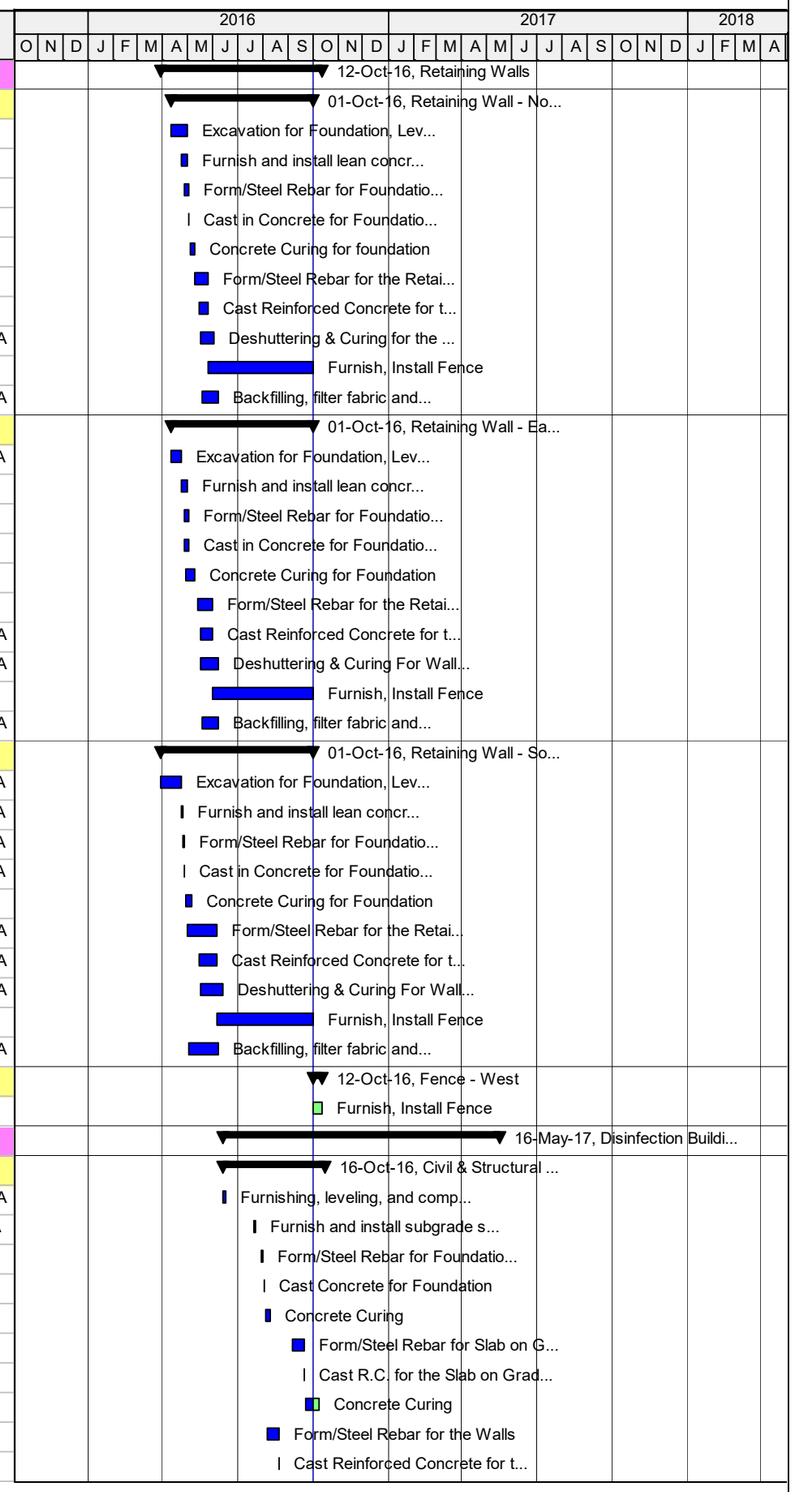
Activity ID	Activity Name	Original Duration	Start	Finish
Retaining Walls				
Retaining Wall - North				
E-BER-RW-1000	Excavation for Foundation, Leveling, Compacting 25cm Base Course Layer	5.00	11-Apr-16 A	01-May-16
E-BER-RW-1030	Furnish and install lean concrete (blinding 100mm)	5.00	24-Apr-16 A	01-May-16
E-BER-RW-1040	Form/Steel Rebar for Foundation	6.00	27-Apr-16 A	03-May-16
E-BER-RW-1050	Cast in Concrete for Foundation	1.00	03-May-16	03-May-16
E-BER-RW-1060	Concrete Curing for foundation	7.00	04-May-16	10-May-16
E-BER-RW-1070	Form/Steel Rebar for the Retaining Walls including drain piping	12.00	11-May-16	26-May-16
E-BER-RW-1100	Cast Reinforced Concrete for the Retaining Walls	1.00	16-May-16	26-May-16
E-BER-RW-1110	Deshuttering & Curing for the Retaining Walls	7.00	17-May-16	02-Jun-16 A
E-BER-RW-1130	Furnish, Install Fence	2.00	26-May-16	01-Oct-16
E-BER-RW-1190	Backfilling, filter fabric and drain rock	5.00	20-May-16	09-Jun-16 A
Retaining Wall - East				
E-BER-RW-1020	Excavation for Foundation, Leveling, Compacting 25cm Base Course Layer	5.00	11-Apr-16 A	24-Apr-16 A
E-BER-RW-1090	Furnish and install lean concrete (blinding 100mm)	3.00	24-Apr-16 A	01-May-16
E-BER-RW-1120	Form/Steel Rebar for Foundation	12.00	27-Apr-16 A	03-May-16
E-BER-RW-1140	Cast in Concrete for Foundation	1.00	28-Apr-16 A	03-May-16
E-BER-RW-1150	Concrete Curing for Foundation	7.00	29-Apr-16 A	10-May-16
E-BER-RW-1160	Form/Steel Rebar for the Retaining Walls including drain piping	18.00	14-May-16	31-May-16
E-BER-RW-1220	Cast Reinforced Concrete for the Retaining Walls	1.00	17-May-16	01-Jun-16 A
E-BER-RW-1240	Deshuttering & Curing For Walls	7.00	18-May-16	08-Jun-16 A
E-BER-RW-1290	Furnish, Install Fence	2.00	01-Jun-16 A	01-Oct-16
E-BER-RW-1300	Backfilling, filter fabric and drain rock	5.00	20-May-16	09-Jun-16 A
Retaining Wall - South				
E-BER-RW-1080	Excavation for Foundation, Leveling, Compacting 25cm Base Course Layer	10.00	29-Mar-16 A	24-Apr-16 A
E-BER-RW-1170	Furnish and install lean concrete (blinding 100mm)	2.00	24-Apr-16 A	25-Apr-16 A
E-BER-RW-1200	Form/Steel Rebar for Foundation	10.00	26-Apr-16 A	28-Apr-16 A
E-BER-RW-1250	Cast in Concrete for Foundation	1.00	28-Apr-16 A	28-Apr-16 A
E-BER-RW-1260	Concrete Curing for Foundation	7.00	29-Apr-16 A	07-May-16
E-BER-RW-1270	Form/Steel Rebar for the Retaining Walls including drain piping	14.00	01-May-16	06-Jun-16 A
E-BER-RW-1310	Cast Reinforced Concrete for the Retaining Walls	1.00	16-May-16	07-Jun-16 A
E-BER-RW-1320	Deshuttering & Curing For Walls	7.00	17-May-16	14-Jun-16 A
E-BER-RW-1330	Furnish, Install Fence	2.00	07-Jun-16 A	01-Oct-16
E-BER-RW-1340	Backfilling, filter fabric and drain rock	5.00	03-May-16	09-Jun-16 A
Fence - West				
E-BER-RW-1380	Furnish, Install Fence	10.00	02-Oct-16	12-Oct-16
Disinfection Building				
Civil & Structural Works				
E-BER-DIS-1010	Furnishing, leveling, and compacting of selected backfill	5.00	14-Jun-16 A	18-Jun-16 A
E-BER-DIS-1011	Furnish and install subgrade sanitary drain piping	3.00	21-Jul-16 A	24-Jul-16 A
E-BER-DIS-1020	Form/Steel Rebar for Foundation	4.00	30-Jul-16 A	02-Aug-16
E-BER-DIS-1030	Cast Concrete for Foundation	1.00	04-Aug-16	04-Aug-16
E-BER-DIS-1040	Concrete Curing	7.00	05-Aug-16	11-Aug-16
E-BER-DIS-1050	Form/Steel Rebar for Slab on Grade	3.00	07-Sep-16	20-Sep-16
E-BER-DIS-1060	Cast R.C. for the Slab on Grade	1.00	21-Sep-16	21-Sep-16
E-BER-DIS-1070	Concrete Curing	7.00	22-Sep-16	08-Oct-16
E-BER-DIS-1080	Form/Steel Rebar for the Walls	5.00	07-Aug-16	21-Aug-16
E-BER-DIS-1090	Cast Reinforced Concrete for the Walls	1.00	22-Aug-16	22-Aug-16



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Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-DIS-1100	Concrete Curing	7.00	23-Aug-16	31-Aug-16
E-BER-DIS-1110	Deshuttering & Curing For Walls	7.00	01-Sep-16	08-Sep-16
E-BER-DIS-1120	Form/Steel Rebar for the Roof Slab	5.00	08-Sep-16	13-Sep-16
E-BER-DIS-1130	Cast Reinforced Concrete for the Roof Slab	1.00	28-Sep-16	28-Sep-16
E-BER-DIS-1140	Concrete Curing	7.00	29-Sep-16	05-Oct-16
E-BER-DIS-1150	Deshuttering for the Roof Slab & backfilling	2.00	15-Oct-16	16-Oct-16
E-BER-DIS-1410	Furnish and install lean concrete (blinding 100mm)	3.00	28-Jul-16 A	28-Jul-16 A
E-BER-DIS-1420	Construction of Parapet wall	5.00	29-Sep-16	03-Oct-16
Finishing Works				
E-BER-DIS-1160	Furnish & Install Interior Walls	7.00	17-Oct-16	24-Oct-16
E-BER-DIS-1170	Furnish & Install Interior & Exterior Plaster and Stone Coping	7.00	25-Oct-16	01-Nov-16
E-BER-DIS-1180	Apply Acrylic Coats for External Walls	3.00	02-Nov-16	07-Nov-16
E-BER-DIS-1185	Apply internal coating of interior walls	8.00	02-Nov-16	13-Nov-16
E-BER-DIS-1190	Furnish & install Floor Tiles & Base Materials	2.00	08-Nov-16	09-Nov-16
E-BER-DIS-1200	Furnish & Install Furniture and Fittings	4.00	14-Nov-16	19-Nov-16
E-BER-DIS-1210	Furnish & Install All Architectural Elements	4.00	08-Nov-16	12-Nov-16
E-BER-DIS-1220	Furnish & Install Doors and Windows	4.00	08-Nov-16	12-Nov-16
E-BER-DIS-1230	Furnish & Install Hatches, Vents, Ladders, Grating etc	4.00	17-Oct-16	20-Oct-16
E-BER-DIS-1240	Furnish & Install insulation, Roofing, Coping and All Items etc	4.00	08-Nov-16	12-Nov-16
Mechanical Works				
E-BER-DIS-1320	Furnish & Install of Utility Piping including Pipe Supports & Valves	5.00	29-Apr-17	04-May-17
E-BER-DIS-1330	Furnish & Install Complete Operable Chlorination System	5.00	29-Apr-17	04-May-17
E-BER-DIS-1340	Clean&Pressure Test for all Pipes	5.00	29-Apr-17	04-May-17
E-BER-DIS-1350	Furnish & Install Miscellaneous Plumbing Components	5.00	29-Apr-17	04-May-17
Electrical & Instrumentation Works				
E-BER-DIS-1250	Earthing System	1.00	01-Oct-16	01-Oct-16
E-BER-DIS-1260	Furnish, Install, Wire, Duct Banks & Terminate Lights and Receptacles	5.00	17-Oct-16	22-Oct-16
E-BER-DIS-1270	Install Conduits & Cables	7.00	23-Oct-16	30-Oct-16
E-BER-DIS-1280	Electrical & Control Panels	3.00	31-Oct-16	02-Nov-16
E-BER-DIS-1290	Lightening Protection System	1.00	24-Jan-17	24-Jan-17
E-BER-DIS-1300	Process Control & Instrumentation including Furnish, install, and test the RIO Enclosure	8.00	25-Jan-17	02-Feb-17
E-BER-DIS-1380	Furnish and install rooftop mounted condensing A/C unit	5.00	03-Nov-16	10-Nov-16
HVAC-Plumping				
E-BER-DIS-1310	Furnish and install Penthouse Ventilator, roof mounted Upblast Fan,Electric Unit Heater,control panel	5.00	06-May-17	10-May-17
E-BER-DIS-1370	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection, Commissioning	5.00	11-May-17	16-May-17
Guard House Building				
Civil & Structural Works				
E-BER-GH-1000	Furnishing, leveling, and compacting of selected backfill	5.00	14-Jun-16 A	18-Jun-16 A
E-BER-GH-1010	Furnish and install subgrade sanitary drain piping	3.00	25-Jun-16 A	26-Jun-16 A
E-BER-GH-1020	Furnish and install lean concrete (blinding 100mm)	1.00	20-Jun-16 A	20-Jun-16 A
E-BER-GH-1030	Form/Steel Rebar for Foundation	3.00	21-Jun-16 A	26-Jun-16 A
E-BER-GH-1040	Cast in Concrete for foundation	1.00	28-Jun-16 A	28-Jun-16 A
E-BER-GH-1050	Concrete Curing for foundation	7.00	29-Jun-16 A	05-Jul-16 A
E-BER-GH-1060	Form/Steel Rebar for Slab on Grade	3.00	15-Aug-16	18-Aug-16
E-BER-GH-1080	Cast R.C. for the Slab on Grade	1.00	20-Aug-16	20-Aug-16
E-BER-GH-1090	Concrete Curing for the Slab on Grade	7.00	21-Aug-16	28-Aug-16
E-BER-GH-1100	Form/Steel Rebar for the Walls	5.00	29-Jun-16 A	17-Jul-16 A
E-BER-GH-1120	Cast Reinforced Concrete for the Walls / Columns	1.00	18-Jul-16 A	18-Jul-16 A

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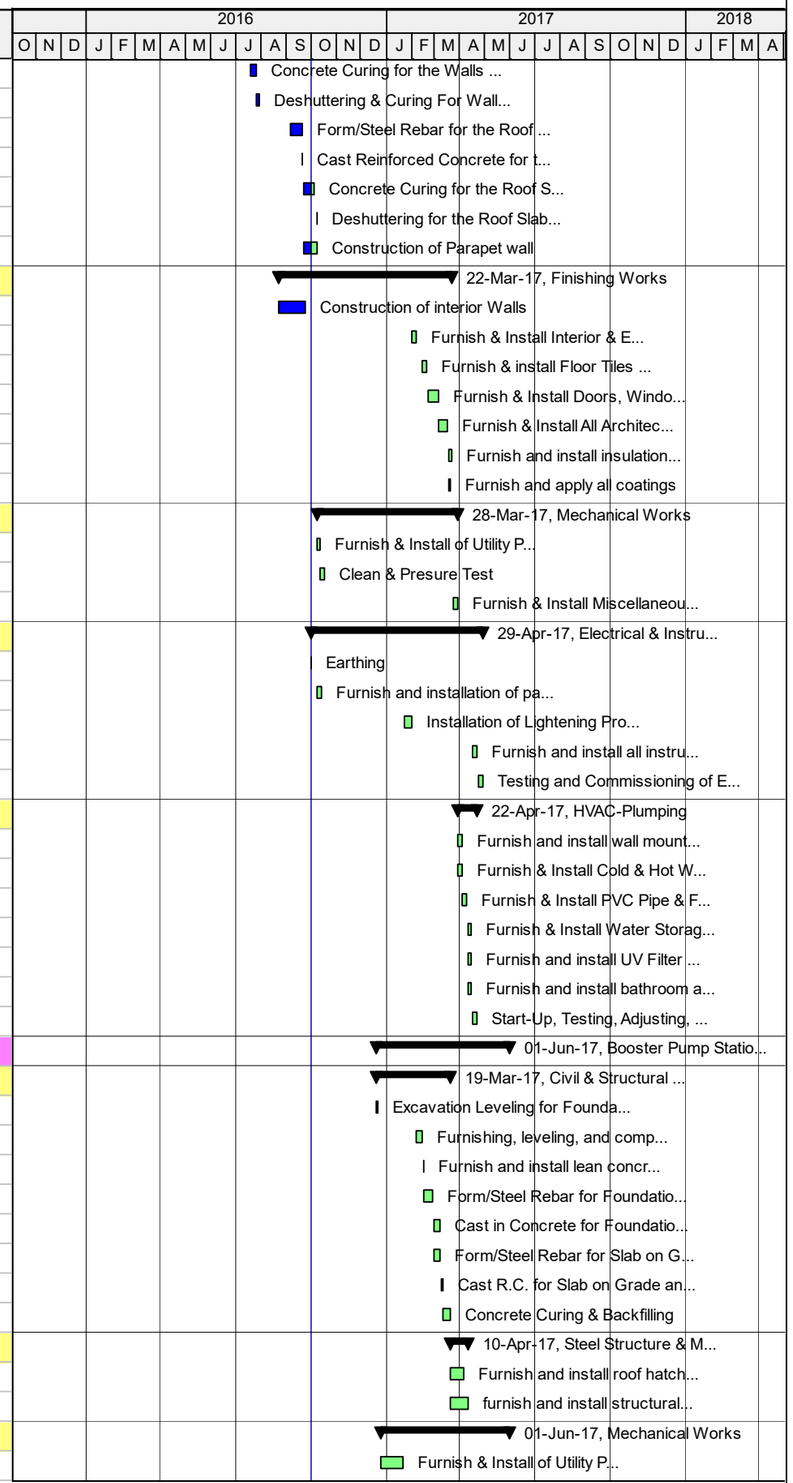
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-GH-1130	Concrete Curing for the Walls / Columns	7.00	19-Jul-16 A	26-Jul-16 A
E-BER-GH-1140	Deshuttering & Curing For Walls	7.00	26-Jul-16 A	31-Jul-16 A
E-BER-GH-1150	Form/Steel Rebar for the Roof Slab	7.00	07-Sep-16	20-Sep-16
E-BER-GH-1160	Cast Reinforced Concrete for the Roof Slab	1.00	21-Sep-16	21-Sep-16
E-BER-GH-1170	Concrete Curing for the Roof Slab	7.00	22-Sep-16	04-Oct-16
E-BER-GH-1180	Deshuttering for the Roof Slab & Backfilling	1.00	08-Oct-16	08-Oct-16
E-BER-GH-1390	Construction of Parapet wall	7.00	22-Sep-16	08-Oct-16
Finishing Works				
E-BER-GH-1190	Construction of interior Walls	10.00	23-Aug-16	24-Sep-16
E-BER-GH-1230	Furnish & Install Interior & Exterior Plaster including Stone Coping	5.00	01-Feb-17	06-Feb-17
E-BER-GH-1240	Furnish & install Floor Tiles & walls tiles and Base Materials	5.00	14-Feb-17	19-Feb-17
E-BER-GH-1250	Furnish & Install Doors, Windows & All Metal Works including hatches, vents, ladders, railings	10.00	22-Feb-17	05-Mar-17
E-BER-GH-1260	Furnish & Install All Architectural Elements, Kitchen Equipment & Furniture	10.00	06-Mar-17	16-Mar-17
E-BER-GH-1270	Furnish and install insulation, crickets, roofing, curbs, scupper drains	5.00	18-Mar-17	22-Mar-17
E-BER-GH-1280	Furnish and apply all coatings	3.00	18-Mar-17	20-Mar-17
Mechanical Works				
E-BER-GH-1070	Furnish & Install of Utility Piping including Pipe Supports & Valves	4.00	09-Oct-16	12-Oct-16
E-BER-GH-1200	Clean & Presure Test	5.00	13-Oct-16	18-Oct-16
E-BER-GH-1290	Furnish & Install Miscellaneous Plumbing Components	5.00	23-Mar-17	28-Mar-17
Electrical & Instrumentation Works				
E-BER-GH-1110	Earthing	1.00	01-Oct-16	01-Oct-16
E-BER-GH-1210	Furnish and installation of panels, wires, conduits, cables, lights	5.00	09-Oct-16	13-Oct-16
E-BER-GH-1220	Installation of Lightening Protection System Lighting	7.00	24-Jan-17	31-Jan-17
E-BER-GH-1370	Furnish and install all instruments within the Living Quarters and GH HMI	5.00	17-Apr-17	22-Apr-17
E-BER-GH-1380	Testing and Commissioning of Electrical Systems and Equipment	5.00	24-Apr-17	29-Apr-17
HVAC-Plumping				
E-BER-GH-1300	Furnish and install wall mounted indoor AC units,	5.00	29-Mar-17	03-Apr-17
E-BER-GH-1310	Furnish & Install Cold & Hot Water Pipe	5.00	29-Mar-17	03-Apr-17
E-BER-GH-1320	Furnish & Install PVC Pipe & Fittings	5.00	04-Apr-17	09-Apr-17
E-BER-GH-1330	Furnish & Install Water Storage Tank & Solar System	5.00	10-Apr-17	15-Apr-17
E-BER-GH-1340	Furnish and install UV Filter System	5.00	10-Apr-17	15-Apr-17
E-BER-GH-1350	Furnish and install bathroom and kitchen plumbing equipments and piping	5.00	10-Apr-17	15-Apr-17
E-BER-GH-1360	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection, Commissioning	5.00	17-Apr-17	22-Apr-17
Booster Pump Station				
Civil & Structural Works				
E-BER-PB-1000	Excavation Leveling for Foundation	3.00	19-Dec-16	21-Dec-16
E-BER-PB-1050	Furnishing, leveling, and compacting of selected backfill	7.00	07-Feb-17	14-Feb-17
E-BER-PB-1060	Furnish and install lean concrete (blinding 100mm)	1.00	15-Feb-17	15-Feb-17
E-BER-PB-1070	Form/Steel Rebar for Foundation	8.00	16-Feb-17	27-Feb-17
E-BER-PB-1080	Cast in Concrete for Foundation and Concrete Curing	7.00	28-Feb-17	07-Mar-17
E-BER-PB-1090	Form/Steel Rebar for Slab on Grade and Walls of Booster Pump	8.00	28-Feb-17	08-Mar-17
E-BER-PB-1100	Cast R.C. for Slab on Grade and Walls of Booster Pump	2.00	09-Mar-17	11-Mar-17
E-BER-PB-1110	Concrete Curing & Backfilling	7.00	12-Mar-17	19-Mar-17
Steel Structure & Metal Works				
E-BER-PB-1120	Furnish and install roof hatches, checkered plate, ladders, trench support framing,	15.00	20-Mar-17	05-Apr-17
E-BER-PB-1130	furnish and install structural steel and roofing including roof hatches	19.00	20-Mar-17	10-Apr-17
Mechanical Works				
E-BER-PB-1010	Furnish & Install of Utility Piping Under 50mm Including Pipe Supports & Valves	16.00	26-Dec-16	21-Jan-17



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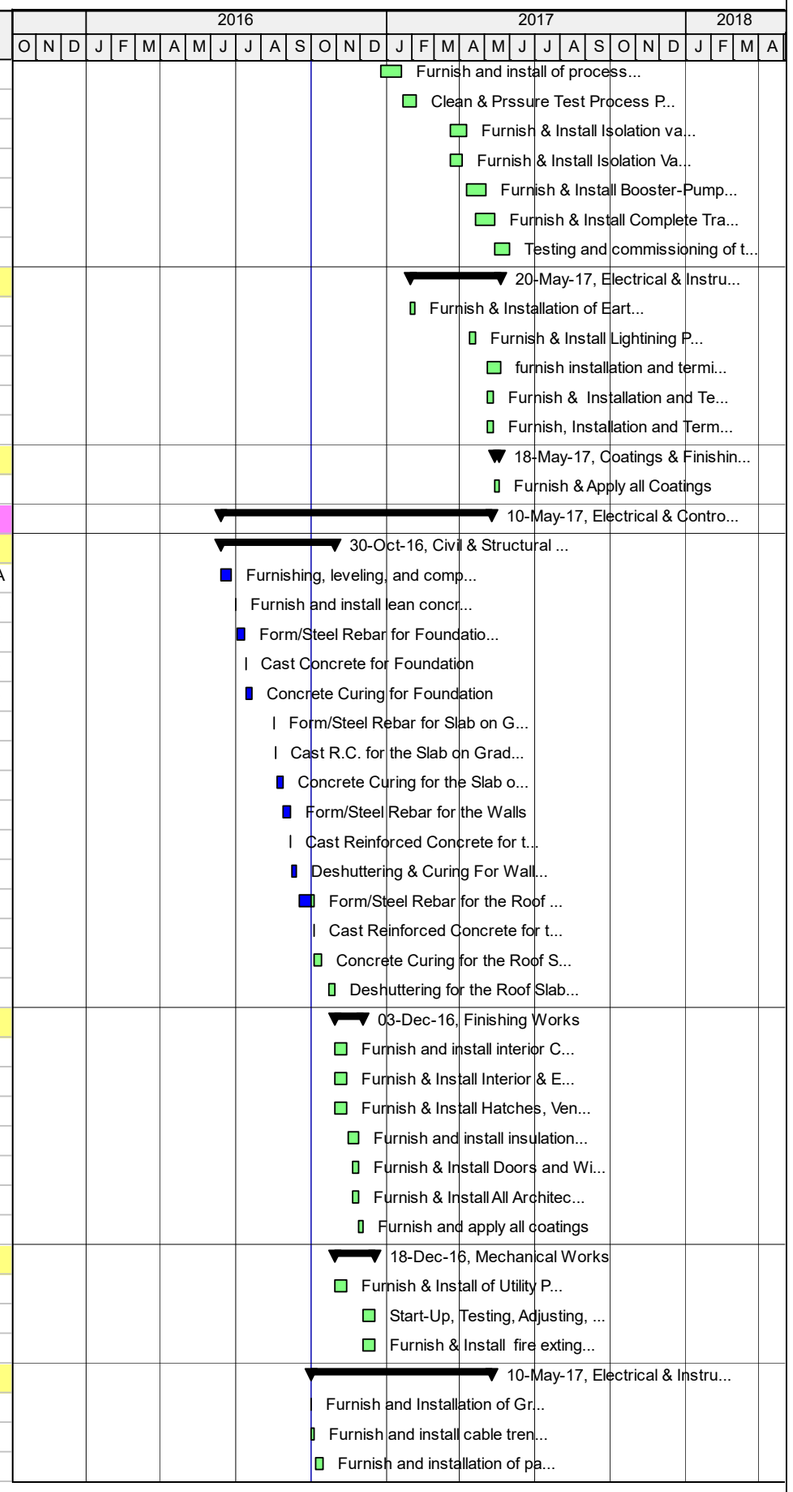
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-PB-1020	Furnish and install of process piping greater than 50 mm including pipe supports,	15.00	26-Dec-16	19-Jan-17
E-BER-PB-1040	Clean & Prssure Test Process Piping	15.00	21-Jan-17	06-Feb-17
E-BER-PB-1140	Furnish & Install Isolation valves and Flow Meter	17.00	20-Mar-17	08-Apr-17
E-BER-PB-1150	Furnish & Install Isolation Valves & Pipes Above 50mm	14.00	20-Mar-17	04-Apr-17
E-BER-PB-1170	Furnish & Install Booster-Pump Control Valve , Check Valve, PRV	19.00	09-Apr-17	03-May-17
E-BER-PB-1180	Furnish & Install Complete Transmission System Pumps	18.00	19-Apr-17	13-May-17
E-BER-PB-1230	Testing and commissioning of transmission system pumps	15.00	13-May-17	01-Jun-17
Electrical & Instrumentation Works				
E-BER-PB-1030	Furnish & Installation of Earthing, Ductbanks & Raceway	5.00	30-Jan-17	04-Feb-17
E-BER-PB-1160	Furnish & Install Lightining Protection,Recepticles & Process Control Instrumentation	5.00	13-Apr-17	19-Apr-17
E-BER-PB-1190	furnish installation and termination of transmission pump power and controls wire including boxes,supports …etc	14.00	04-May-17	20-May-17
E-BER-PB-1200	Furnish & Installation and Termination of Booster Control Valves Pump Power ..etc	7.00	04-May-17	11-May-17
E-BER-PB-1210	Furnish, Installation and Termination of Miscellaneous Power..etc	7.00	04-May-17	11-May-17
Coatings & Finishing Works				
E-BER-PB-1220	Furnish & Apply all Coatings	5.00	13-May-17	18-May-17
Electrical & Control Building				
Civil & Structural Works				
E-BER-ECB-1000	Furnishing, leveling, and compacting of selected backfill	3.00	14-Jun-16 A	26-Jun-16 A
E-BER-ECB-1010	Furnish and install lean concrete (blinding 100mm)	1.00	02-Jul-16 A	02-Jul-16 A
E-BER-ECB-1020	Form/Steel Rebar for Foundation	4.00	03-Jul-16 A	13-Jul-16 A
E-BER-ECB-1050	Cast Concrete for Foundation	1.00	14-Jul-16 A	14-Jul-16 A
E-BER-ECB-1060	Concrete Curing for Foundation	7.00	15-Jul-16 A	21-Jul-16 A
E-BER-ECB-1070	Form/Steel Rebar for Slab on Grade	10.00	17-Aug-16	18-Aug-16
E-BER-ECB-1080	Cast R.C. for the Slab on Grade	1.00	20-Aug-16	20-Aug-16
E-BER-ECB-1090	Concrete Curing for the Slab on Grade	7.00	21-Aug-16	28-Aug-16
E-BER-ECB-1100	Form/Steel Rebar for the Walls	10.00	29-Aug-16	06-Sep-16
E-BER-ECB-1110	Cast Reinforced Concrete for the Walls	1.00	07-Sep-16	07-Sep-16
E-BER-ECB-1120	Deshuttering & Curing For Walls	7.00	08-Sep-16	14-Sep-16
E-BER-ECB-1130	Form/Steel Rebar for the Roof Slab	5.00	17-Sep-16	04-Oct-16
E-BER-ECB-1140	Cast Reinforced Concrete for the Roof Slab	1.00	04-Oct-16	05-Oct-16
E-BER-ECB-1160	Concrete Curing for the Roof Slab	7.00	05-Oct-16	13-Oct-16
E-BER-ECB-1170	Deshuttering for the Roof Slab & Backfilling	7.00	22-Oct-16	30-Oct-16
Finishing Works				
E-BER-ECB-1180	Furnish and install interior CMU Walls and inside face Veneer	10.00	30-Oct-16	13-Nov-16
E-BER-ECB-1190	Furnish & Install Interior & Exterior Plaster & Tone Coping	10.00	30-Oct-16	13-Nov-16
E-BER-ECB-1200	Furnish & Install Hatches, Vents, Ladders, Grating etc	10.00	30-Oct-16	13-Nov-16
E-BER-ECB-1230	Furnish and install insulation, crickets, roofing, curbs, scupper drains, overflow scuppers	10.00	16-Nov-16	28-Nov-16
E-BER-ECB-1240	Furnish & Install Doors and Windows	6.00	21-Nov-16	28-Nov-16
E-BER-ECB-1250	Furnish & Install All Architectural Elements, Coating, & Furniture, Fittings & Equipment	6.00	21-Nov-16	28-Nov-16
E-BER-ECB-1270	Furnish and apply all coatings	4.00	28-Nov-16	03-Dec-16
Mechanical Works				
E-BER-ECB-1210	Furnish & Install of Utility Piping , wall mounted and roof underside indoor AC units	10.00	30-Oct-16	13-Nov-16
E-BER-ECB-1280	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection, Commissioning, and Operator Instruction	10.00	03-Dec-16	18-Dec-16
E-BER-ECB-1290	Furnish & Install fire extinguishers	10.00	03-Dec-16	18-Dec-16
Electrical & Instrumentation Works				
E-BER-ECB-1030	Furnish and Installation of Grounding System	1.00	01-Oct-16	01-Oct-16
E-BER-ECB-1040	Furnish and install cable trench brackets complete	5.00	01-Oct-16	05-Oct-16
E-BER-ECB-1150	Furnish and installation of panels, wires, conduits, cables, lights and receptacles Including AC Conduit	8.00	06-Oct-16	15-Oct-16



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

TASK filter: All Activities

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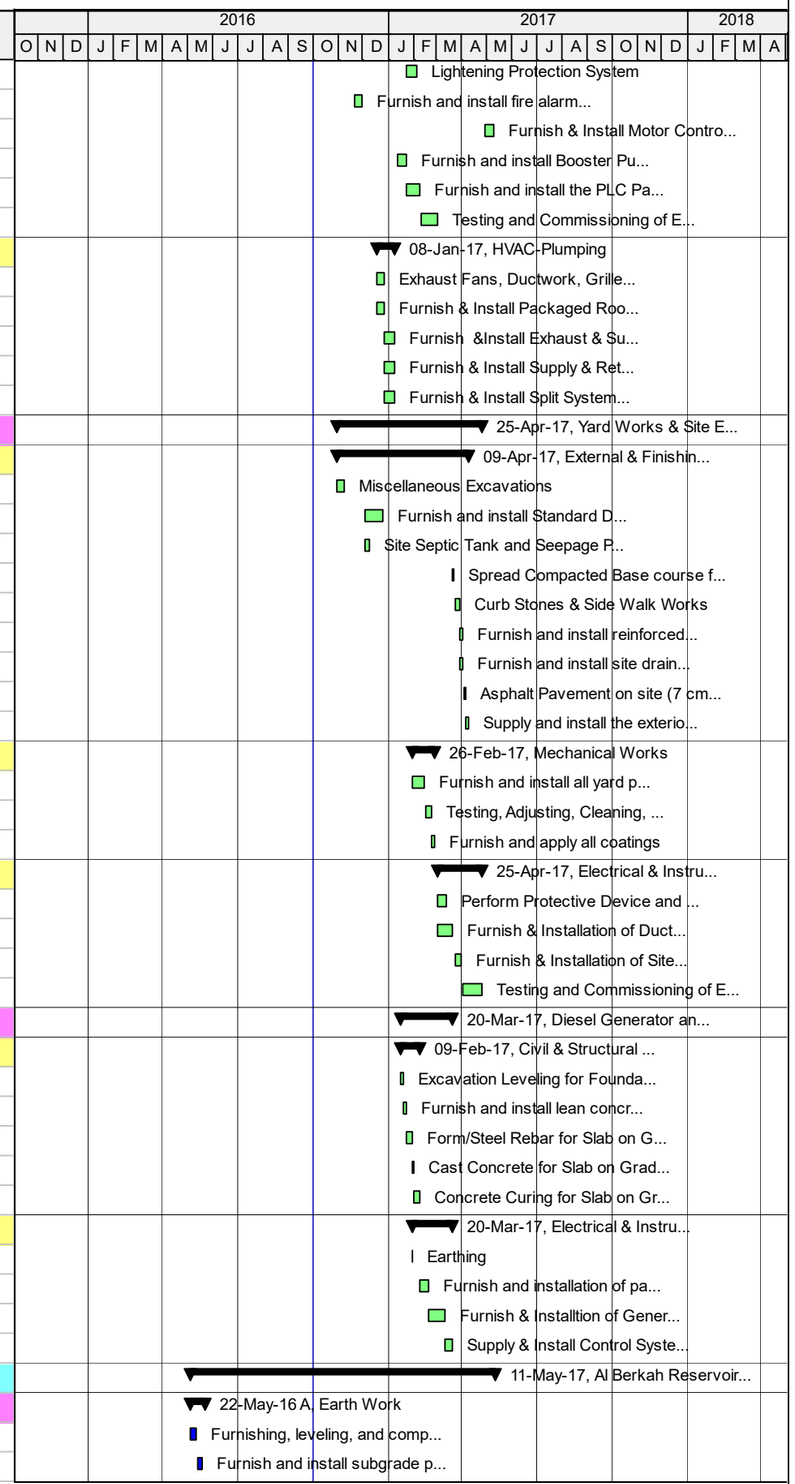
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-ECB-1220	Lightening Protection System	10.00	24-Jan-17	04-Feb-17
E-BER-ECB-1260	Furnish and install fire alarm devices, conduit, and cable complete	8.00	21-Nov-16	30-Nov-16
E-BER-ECB-1350	Furnish & Install Motor Control Center (MCC), include Manuel Transfer Switch complete	10.00	29-Apr-17	10-May-17
E-BER-ECB-1360	Furnish and install Booster Pump VFDs	10.00	12-Jan-17	23-Jan-17
E-BER-ECB-1370	Furnish and install the PLC Panel, Control System Software (PLC, HIMI), UPS	15.00	24-Jan-17	09-Feb-17
E-BER-ECB-1380	Testing and Commissioning of Electrical Systems and Equipment	15.00	11-Feb-17	01-Mar-17
HVAC-Plumping				
E-BER-ECB-1300	Exhaust Fans, Ductwork, Grilles & HVAC Control Panels	5.00	18-Dec-16	27-Dec-16
E-BER-ECB-1310	Furnish & Install Packaged Roof Top Air Conditioning Units	5.00	18-Dec-16	27-Dec-16
E-BER-ECB-1320	Furnish &Install Exhaust & Supply Ductwork	5.00	27-Dec-16	08-Jan-17
E-BER-ECB-1330	Furnish & Install Supply & Return Grills	5.00	27-Dec-16	08-Jan-17
E-BER-ECB-1340	Furnish & Install Split System Air Conditioning Units	5.00	27-Dec-16	08-Jan-17
Yard Works & Site Electrical Power				
External & Finishing Works				
E-BER-YW-1010	Miscellaneous Excavations	7.00	30-Oct-16	09-Nov-16
E-BER-YW-1030	Furnish and install Standard Design Valve Vault	14.00	03-Dec-16	26-Dec-16
E-BER-YW-1040	Site Septic Tank and Seepage Pit system	5.00	03-Dec-16	08-Dec-16
E-BER-YW-1050	Spread Compacted Base course for site grading, 200 mm layer	3.00	20-Mar-17	22-Mar-17
E-BER-YW-1060	Curb Stones & Side Walk Works	5.00	23-Mar-17	28-Mar-17
E-BER-YW-1070	Furnish and install reinforced concrete pad	4.00	29-Mar-17	02-Apr-17
E-BER-YW-1080	Furnish and install site drainage	3.00	29-Mar-17	01-Apr-17
E-BER-YW-1110	Asphalt Pavement on site (7 cm), ¾" asphalt mix design including MC	3.00	03-Apr-17	05-Apr-17
E-BER-YW-1120	Supply and install the exterior gate	3.00	06-Apr-17	09-Apr-17
Mechanical Works				
E-BER-YW-1090	Furnish and install all yard piping and mechanical equipment	14.00	30-Jan-17	14-Feb-17
E-BER-YW-1130	Testing, Adjusting, Cleaning, Disinfection, Commissioning, and Operator Instruction	5.00	15-Feb-17	22-Feb-17
E-BER-YW-1150	Furnish and apply all coatings	3.00	23-Feb-17	26-Feb-17
Electrical & Instrumentation Works				
E-BER-YW-1000	Perform Protective Device and Coordination Studies	10.00	02-Mar-17	13-Mar-17
E-BER-YW-1020	Furnish & Installation of Ductbanks , Furnish meter housing	15.00	02-Mar-17	19-Mar-17
E-BER-YW-1100	Furnish & Installation of Site Lights	7.00	23-Mar-17	30-Mar-17
E-BER-YW-1140	Testing and Commissioning of Electrical Systems and Equipment	20.00	01-Apr-17	25-Apr-17
Diesel Generator and Transfromer Pad				
Civil & Structural Works				
E-BER-DG-1000	Excavation Leveling for Foundation and Furnishing, leveling, and compacting of selected backfill	3.00	16-Jan-17	19-Jan-17
E-BER-DG-1010	Furnish and install lean concrete (blinding 100mm)	3.00	19-Jan-17	23-Jan-17
E-BER-DG-1020	Form/Steel Rebar for Slab on Grade of Generator Pad	6.00	23-Jan-17	30-Jan-17
E-BER-DG-1040	Cast Concrete for Slab on Grade of Generator Pad	1.00	31-Jan-17	01-Feb-17
E-BER-DG-1050	Concrete Curing for Slab on Grade of Generator Pad	7.00	01-Feb-17	09-Feb-17
Electrical & Instrumentation Works				
E-BER-DG-1030	Earthing	1.00	30-Jan-17	31-Jan-17
E-BER-DG-1060	Furnish and installation of panels, wires, conduits, cables, lights and receptacles	8.00	09-Feb-17	19-Feb-17
E-BER-DG-1070	Furnish & Installtion of Generator and Transformer	15.00	19-Feb-17	11-Mar-17
E-BER-DG-1080	Supply & Install Control System Hardware	8.00	11-Mar-17	20-Mar-17
Al Berkah Reservoir - Construction of new 3,800 m3				
Earth Work				
E-BER-RES-1000	Furnishing, leveling, and compacting of selected backfill	4.00	04-May-16	12-May-16
E-BER-RES-1010	Furnish and install subgrade piping (Perforated, Outlet & Washout)	2.00	14-May-16	19-May-16



Actual Work | Critical Remaining Work | Summary
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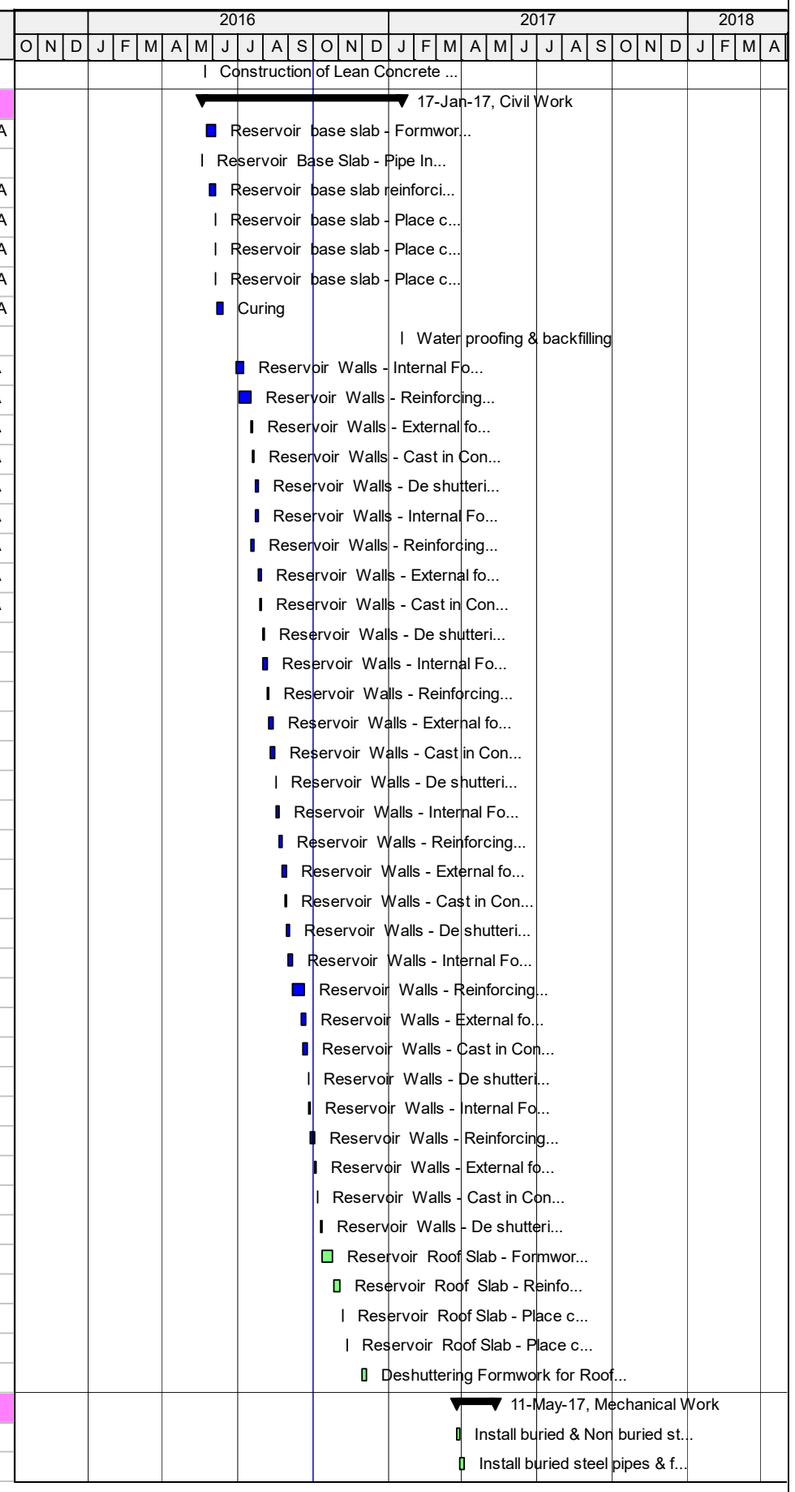
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-RES-1020	Construction of Lean Concrete under Reservoir	5.00	22-May-16	22-May-16
Civil Work				
E-BER-RES-1030	Reservoir base slab - Formwork	5.00	24-May-16	04-Jun-16 A
E-BER-RES-1040	Reservoir Base Slab - Pipe Inserts	2.00	19-May-16	19-May-16
E-BER-RES-1050	Reservoir base slab reinforcing steel & water stop installation	7.00	28-May-16	04-Jun-16 A
E-BER-RES-1060	Reservoir base slab - Place concrete (Stage 1 - Part A,C,H,L)	1.00	05-Jun-16 A	05-Jun-16 A
E-BER-RES-1080	Reservoir base slab - Place concrete (Stage 2 - Part B,D,F,J)	1.00	05-Jun-16 A	05-Jun-16 A
E-BER-RES-1090	Reservoir base slab - Place concrete (Stage 3 - Column Footing)	1.00	05-Jun-16 A	05-Jun-16 A
E-BER-RES-1100	Curing	7.00	06-Jun-16 A	13-Jun-16 A
E-BER-RES-1110	Water proofing & backfilling	1.00	17-Jan-17	17-Jan-17
E-BER-RES-1120	Reservoir Walls - Internal Formwork (first cycle - Part 1)	2.00	30-Jun-16 A	09-Jul-16 A
E-BER-RES-1130	Reservoir Walls - Reinforcing steel & vertical water stop installation (first cycle - Part 1)	5.00	03-Jul-16 A	17-Jul-16 A
E-BER-RES-1140	Reservoir Walls - External formwork - (first cycle - Part 1)	2.00	18-Jul-16 A	19-Jul-16 A
E-BER-RES-1150	Reservoir Walls - Cast in Concrete - (first cycle - Part 1)	1.00	20-Jul-16 A	21-Jul-16 A
E-BER-RES-1160	Reservoir Walls - De shuttering of formwork (first cycle - Part 1)	2.00	23-Jul-16 A	27-Jul-16 A
E-BER-RES-1170	Reservoir Walls - Internal Formwork (first cycle - Part 2)	2.00	23-Jul-16 A	26-Jul-16 A
E-BER-RES-1180	Reservoir Walls - Reinforcing steel & vertical water stop installation (first cycle - Part 2)	5.00	17-Jul-16 A	21-Jul-16 A
E-BER-RES-1190	Reservoir Walls - External formwork - (first cycle - Part 2)	2.00	26-Jul-16 A	30-Jul-16 A
E-BER-RES-1200	Reservoir Walls - Cast in Concrete - (first cycle - Part 2)	1.00	28-Jul-16 A	31-Jul-16 A
E-BER-RES-1210	Reservoir Walls - De shuttering of formwork (first cycle - Part 2)	2.00	02-Aug-16	03-Aug-16
E-BER-RES-1220	Reservoir Walls - Internal Formwork (Second cycle - Part 1)	2.00	02-Aug-16	06-Aug-16
E-BER-RES-1230	Reservoir Walls - Reinforcing steel & vertical water stop installation (Second cycle - Part 1)	5.00	06-Aug-16	09-Aug-16
E-BER-RES-1240	Reservoir Walls - External formwork - (Second cycle - Part 1)	2.00	09-Aug-16	14-Aug-16
E-BER-RES-1250	Reservoir Walls - Cast in Concrete - (Second cycle - Part 1)	1.00	11-Aug-16	15-Aug-16
E-BER-RES-1260	Reservoir Walls - De shuttering of formwork - (Second cycle - Part 1)	2.00	17-Aug-16	17-Aug-16
E-BER-RES-1270	Reservoir Walls - Internal Formwork (Second cycle - Part 2)	2.00	17-Aug-16	21-Aug-16
E-BER-RES-1280	Reservoir Walls - Reinforcing steel & vertical water stop installation (Second cycle - Part 2)	5.00	22-Aug-16	25-Aug-16
E-BER-RES-1290	Reservoir Walls - External formwork - (Second cycle - Part 2)	2.00	25-Aug-16	30-Aug-16
E-BER-RES-1300	Reservoir Walls - Cast in Concrete - (Second cycle - Part 2)	1.00	28-Aug-16	31-Aug-16
E-BER-RES-1310	Reservoir Walls - De shuttering of formwork - (Second cycle - Part 2)	2.00	31-Aug-16	03-Sep-16
E-BER-RES-1320	Reservoir Walls - Internal Formwork (Third cycle - Part 1)	2.00	01-Sep-16	07-Sep-16
E-BER-RES-1330	Reservoir Walls - Reinforcing steel & vertical water stop installation (Third cycle - Part 1)	5.00	07-Sep-16	21-Sep-16
E-BER-RES-1340	Reservoir Walls - External formwork - (Third cycle - Part 1)	2.00	17-Sep-16	22-Sep-16
E-BER-RES-1350	Reservoir Walls - Cast in Concrete - (Third cycle - Part 1) including Seismic cans	1.00	19-Sep-16	24-Sep-16
E-BER-RES-1360	Reservoir Walls - De shuttering of formwork - (Third cycle - Part 1)	2.00	26-Sep-16	27-Sep-16
E-BER-RES-1370	Reservoir Walls - Internal Formwork (Third cycle - Part 2)	2.00	27-Sep-16	28-Sep-16
E-BER-RES-1380	Reservoir Walls - Reinforcing steel & vertical water stop installation (Third cycle - Part 2)	5.00	29-Sep-16	03-Oct-16
E-BER-RES-1390	Reservoir Walls - External formwork - (Third cycle - Part 2)	2.00	04-Oct-16	05-Oct-16
E-BER-RES-1400	Reservoir Walls - Cast in Concrete - (Third cycle - Part 2) including Seismic cans	1.00	06-Oct-16	06-Oct-16
E-BER-RES-1410	Reservoir Walls - De shuttering of formwork - (Third cycle - Part 2)	2.00	10-Oct-16	11-Oct-16
E-BER-RES-1420	Reservoir Roof Slab - Formwork	12.00	12-Oct-16	25-Oct-16
E-BER-RES-1440	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	8.00	26-Oct-16	03-Nov-16
E-BER-RES-1450	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1.00	07-Nov-16	07-Nov-16
E-BER-RES-1460	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1.00	12-Nov-16	12-Nov-16
E-BER-RES-1540	Deshuttering Formwork for Roof Slab	5.00	30-Nov-16	05-Dec-16
Mechanical Work				
E-BER-RES-1470	Install buried & Non buried steel pipes & fittings- Outlet	5.00	25-Mar-17	29-Mar-17
E-BER-RES-1500	Install buried steel pipes & fittings - Washout	5.00	30-Mar-17	04-Apr-17



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

TASK filter: All Activities

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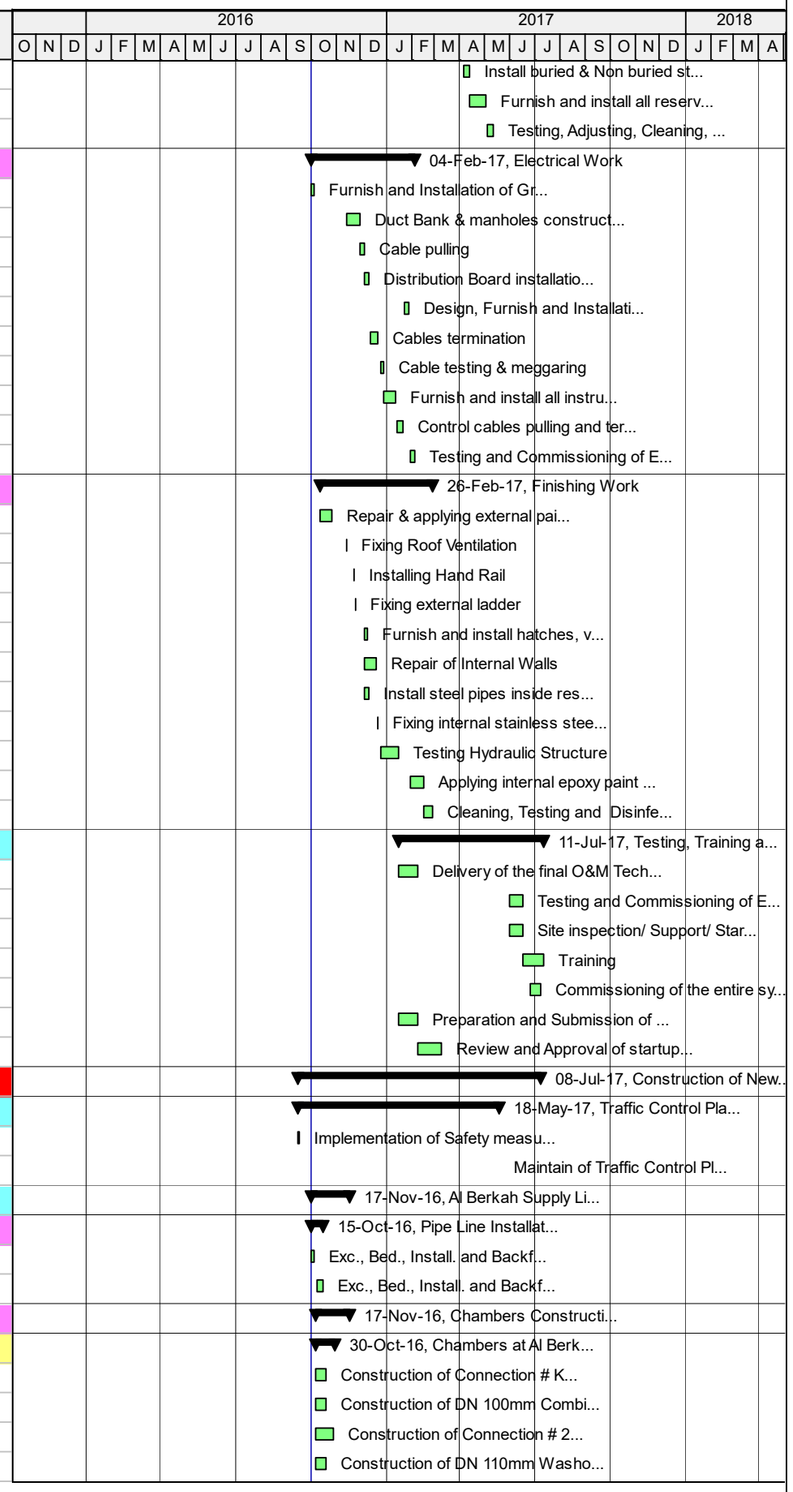
Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-RES-1530	Install buried & Non buried steel pipes & fittings - Inlet including all other mechanical equipmentand	7.00	05-Apr-17	12-Apr-17
E-BER-RES-1560	Furnish and install all reservoir drain, overflow and potable water piping	15.00	13-Apr-17	03-May-17
E-BER-RES-1660	Testing, Adjusting, Cleaning, Disinfection, Commissioning	7.00	04-May-17	11-May-17
Electrical Work				
E-BER-RES-1070	Furnish and Installation of Grounding System	5.00	01-Oct-16	05-Oct-16
E-BER-RES-1480	Duct Bank & manholes construction	14.00	13-Nov-16	29-Nov-16
E-BER-RES-1550	Cable pulling	5.00	30-Nov-16	05-Dec-16
E-BER-RES-1570	Distribution Board installation	5.00	06-Dec-16	11-Dec-16
E-BER-RES-1610	Design, Furnish and Installation of Lightning Protection System	5.00	24-Jan-17	29-Jan-17
E-BER-RES-1620	Cables termination	6.00	13-Dec-16	21-Dec-16
E-BER-RES-1640	Cable testing & meggaring	3.00	26-Dec-16	28-Dec-16
E-BER-RES-1670	Furnish and install all instruments associated with the tank	6.00	29-Dec-16	12-Jan-17
E-BER-RES-1680	Control cables pulling and termination	7.00	14-Jan-17	21-Jan-17
E-BER-RES-1690	Testing and Commissioning of Electrical Systems and Equipment	5.00	30-Jan-17	04-Feb-17
Finishing Work				
E-BER-RES-1430	Repair & applying external paint for the reservoir	14.00	12-Oct-16	27-Oct-16
E-BER-RES-1490	Fixing Roof Ventilation	1.00	13-Nov-16	13-Nov-16
E-BER-RES-1510	Installing Hand Rail	2.00	22-Nov-16	23-Nov-16
E-BER-RES-1520	Fixing external ladder	1.00	24-Nov-16	24-Nov-16
E-BER-RES-1580	Furnish and install hatches, vents, ladders, railings, grating	3.00	06-Dec-16	08-Dec-16
E-BER-RES-1590	Repair of Internal Walls	10.00	06-Dec-16	20-Dec-16
E-BER-RES-1600	Install steel pipes inside reservoir - Outlet	5.00	06-Dec-16	11-Dec-16
E-BER-RES-1630	Fixing internal stainless steel access ladder	1.00	21-Dec-16	21-Dec-16
E-BER-RES-1650	Testing Hydraulic Structure	12.00	26-Dec-16	16-Jan-17
E-BER-RES-1700	Applying internal epoxy paint for the reservoir	14.00	31-Jan-17	15-Feb-17
E-BER-RES-1710	Cleaning, Testing and Disinfection the reservoir	7.00	16-Feb-17	26-Feb-17
Testing, Training and Commissioning				
E-BER-2970	Delivery of the final O&M Technical Manuals	20.00	16-Jan-17	08-Feb-17
E-BER-3120	Testing and Commissioning of Electrical and Control System and Equipment	8.00	01-Jun-17	17-Jun-17
E-BER-3220	Site inspection/ Support/ Start up	8.00	01-Jun-17	17-Jun-17
E-BER-3270	Training	15.00	17-Jun-17	11-Jul-17
E-BER-3280	Commissioning of the entire system	12.85	26-Jun-17	09-Jul-17
E-BER-7635	Preparation and Submission of startup, testing, and commissioning plan and schedule to the Engineer	20.00	16-Jan-17	08-Feb-17
E-BER-7645	Review and Approval of startup, testing, and commissioning plan and schedule to the Engineer	21.00	08-Feb-17	09-Mar-17
Construction of New Supply & Distribution Pipelines				
Traffic Control Plan and Safety measures				
E-BER-7605	Implementation of Safety measures and Traffic Control Plan for Al Berkah pipe lines	2.00	15-Sep-16	17-Sep-16
E-BER-7615	Maintain of Traffic Control Plan and Safety measures for Al Berkah pipe lines	179.57	17-Sep-16	18-May-17
Al Berkah Supply Line 1, Dist. Line 1 BS1 1+000 to BS1 1+430				
Pipe Line Installation				
E-BER-SDP-1010	Exc., Bed., Install. and Backfill. Supply Line 1 & Dist. Line 1 from BS1 1+000 to BS1 1+430 (BS1-160mm, BD1- 400, 355mı	5.00	01-Oct-16	05-Oct-16
E-BER-SDP-1220	Exc., Bed., Install. and Backfill. Supply Line 1 from BS1 1+430 to BS1 1+807.41 (BS1-160mm)	6.00	08-Oct-16	15-Oct-16
Chambers Construction				
Chambers at Al Berkah Supply Line 1				
E-BER-SDP-1150	Construction of Connection # K-21, Line BS1, Station 1+075 : Complete DN 150mm flanged Gate Valve Chamber	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1160	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+108	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1170	Construction of Connection # 2, Line BS3, Station 1+020: Complete DN 200mm flanged Gate Valve Chamber	20.00	06-Oct-16	29-Oct-16
E-BER-SDP-1180	Construction of DN 110mm Washout and its chamber on DN 160mm pipe at Station BS1 1+203	13.00	06-Oct-16	20-Oct-16



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

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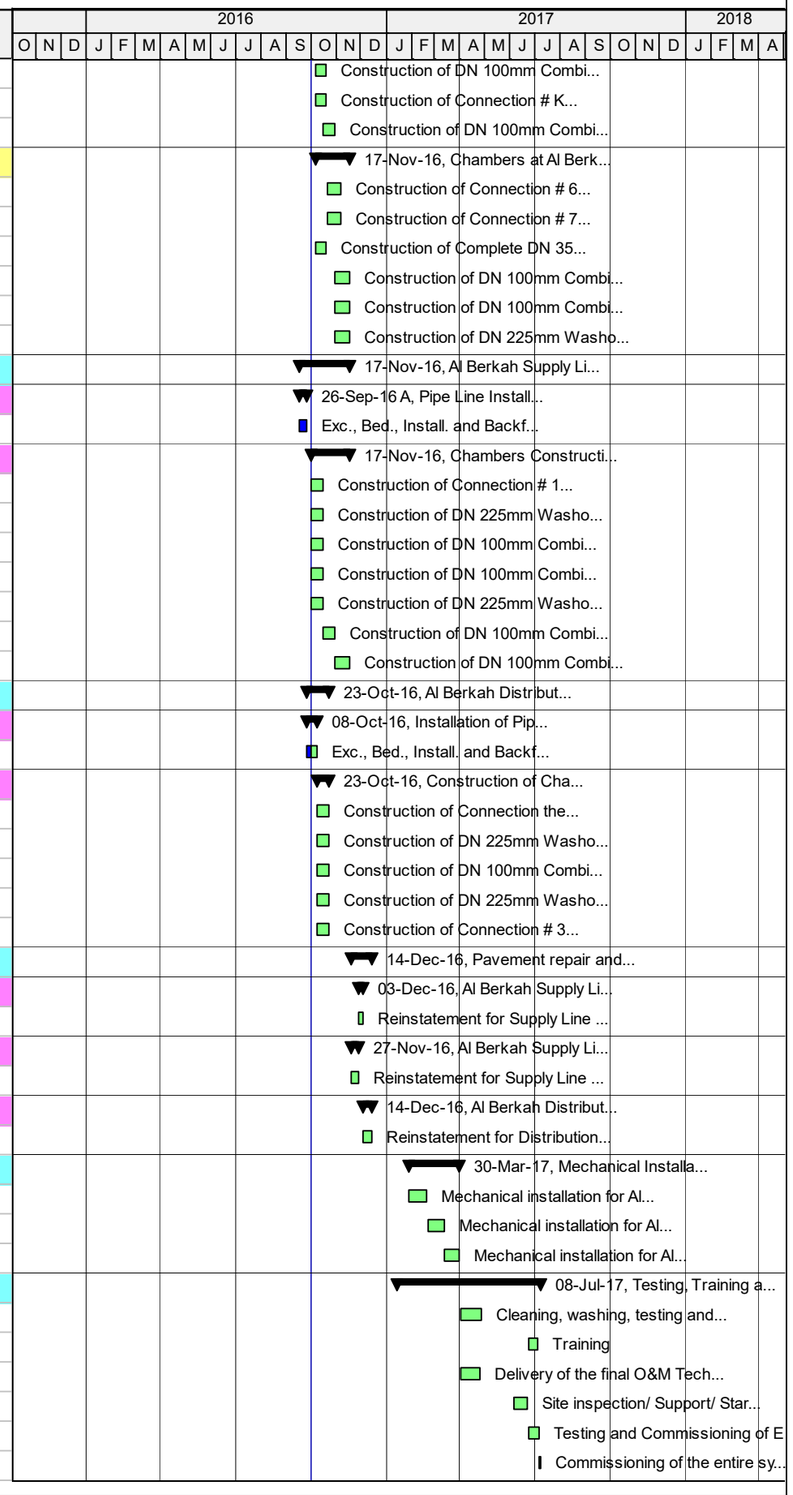
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
E-BER-SDP-1190	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+295	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1200	Construction of Connection # K-20, Line BS1, Station 1+084 : Complete DN 150mm flanged Gate Valve Chamber	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1300	Construction of DN 100mm Combination Air Valve and its chamber on DN 160mm at Station BS1 1+807.41	13.00	15-Oct-16	30-Oct-16
Chambers at Al Berkah Distribution Line 1				
E-BER-SDP-1090	Construction of Connection # 6, Line BD1, Station 1+061 : Complete DN 200mm flanged Gate Valve Chamber	13.00	22-Oct-16	07-Nov-16
E-BER-SDP-1100	Construction of Connection # 7, Line BD1, Station 1+024 : Complete DN 200mm flanged Gate Valve Chamber	13.00	22-Oct-16	07-Nov-16
E-BER-SDP-1105	Construction of Complete DN 350mm flanged Butterfly Valve and its chamber at sta. 1+110 direct on pipeline BD1	13.00	06-Oct-16	20-Oct-16
E-BER-SDP-1120	Construction of DN 100mm Combination Air Valve and its chamber on DN 355mm at Station BD1 1+095	13.00	30-Oct-16	17-Nov-16
E-BER-SDP-1130	Construction of DN 100mm Combination Air Valve and its chamber on DN 355mm at Station BD1 1+282	13.00	30-Oct-16	17-Nov-16
E-BER-SDP-1140	Construction of DN 225mm Washout and its chamber on DN 355mm pipe	13.00	30-Oct-16	17-Nov-16
Al Berkah Supply Line 2				
Pipe Line Installation				
E-BER-SDP-1000	Exc., Bed., Install. and Backfill. Supply Line 2 from BS2 1+000 to BS2 1+661.47 (BS2 - 280mm)	8.00	18-Sep-16	26-Sep-16
Chambers Construction				
E-BER-SDP-1030	Construction of Connection # 1, Line BS2, Station 1+638: Complete DN 200mm flanged Gate Valve Chamber	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1040	Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+387	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1050	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+010	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1060	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+454	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1070	Construction of DN 225mm Washout and its chamber on DN 280mm pipe at Station BS2 1+569	13.00	01-Oct-16	15-Oct-16
E-BER-SDP-1210	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+248	13.00	16-Oct-16	30-Oct-16
E-BER-SDP-1280	Construction of DN 100mm Combination Air Valve and its chamber on DN 280mm at Station BS2 1+651	13.00	31-Oct-16	17-Nov-16
Al Berkah Distribution Line 1				
Installation of Pipes				
E-BER-SDP-1080	Exc., Bed., Install. and Backfill. Distribution Line 1 from BD1 1+430 to BD1 2+228.13 (BD1 - 355mm)	9.00	27-Sep-16	08-Oct-16
Construction of Chambers				
E-BER-SDP-1230	Construction of Connection the pipeline BD1, at Station 1+800 : Complete 110mm flanged Gate Valve and its chamber	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1240	Construction of DN 225mm Washout and its chamber on DN 355mm pipes at Station BD1 1+466	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1250	Construction of DN 100mm Combination Air Valve and its chamber on DN 355mm at Station BD1 1+736	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1260	Construction of DN 225mm Washout and its chamber on DN 355mm pipes at Station BD1 1+900	13.00	08-Oct-16	23-Oct-16
E-BER-SDP-1270	Construction of Connection # 3, Line BD1, Station 2+228 : Complete DN 250mm flanged Gate Valve Chamber	13.00	08-Oct-16	23-Oct-16
Pavement repair and reinstatement				
Al Berkah Supply Line 1, Dist. Line 1 BS1 1+000 to BS1 1+430				
E-BER-SDP-1340	Reinstatement for Supply Line 1 & Dist. Line 1 from BS1 1+000 to BS1 1+430 (BS1-160mm, BD1- 400, 355mm)	5.00	28-Nov-16	03-Dec-16
Al Berkah Supply Line 2				
E-BER-SDP-1320	Reinstatement for Supply Line 2 from BS2 1+000 to BS2 1+661.47 (BS2 - 280mm)	8.00	19-Nov-16	27-Nov-16
Al Berkah Distribution Line 1				
E-BER-SDP-1350	Reinstatement for Distribution Line 1 from BD1 1+430 to BD1 2+228.13 (BD1 - 355mm)	9.00	04-Dec-16	14-Dec-16
Mechanical Installation				
E-BER-SDP-1310	Mechanical installation for Al Berkah Valves and Vaults (Connections, Washout, ARV) - Distribution Line 1	20.00	28-Jan-17	19-Feb-17
E-BER-SDP-1330	Mechanical installation for Al Berkah Valves and Vaults (Connections, Washout, ARV) - Supply Line 2	16.00	22-Feb-17	12-Mar-17
E-BER-SDP-1360	Mechanical installation for Al Berkah Valves and Vaults (Connections, Washout, ARV) - Supply Line 1	16.00	13-Mar-17	30-Mar-17
Testing, Training and Commissioning				
BER-1000	Cleaning, washing, testing and disinfection for Transmission Pipeline	21.00	01-Apr-17	26-Apr-17
BER-1010	Training	6.00	24-Jun-17	05-Jul-17
BER-1020	Delivery of the final O&M Technical Manuals	20.00	01-Apr-17	25-Apr-17
BER-1030	Site inspection/ Support/ Start up (Precommissioning)	10.00	05-Jun-17	22-Jun-17
BER-1040	Testing and Commissioning of Electrical and Control System and Equipment	7.00	24-Jun-17	06-Jul-17
BER-1050	Commissioning of the entire system	2.00	06-Jul-17	08-Jul-17



Actual Work | Critical Remaining Work | Summary
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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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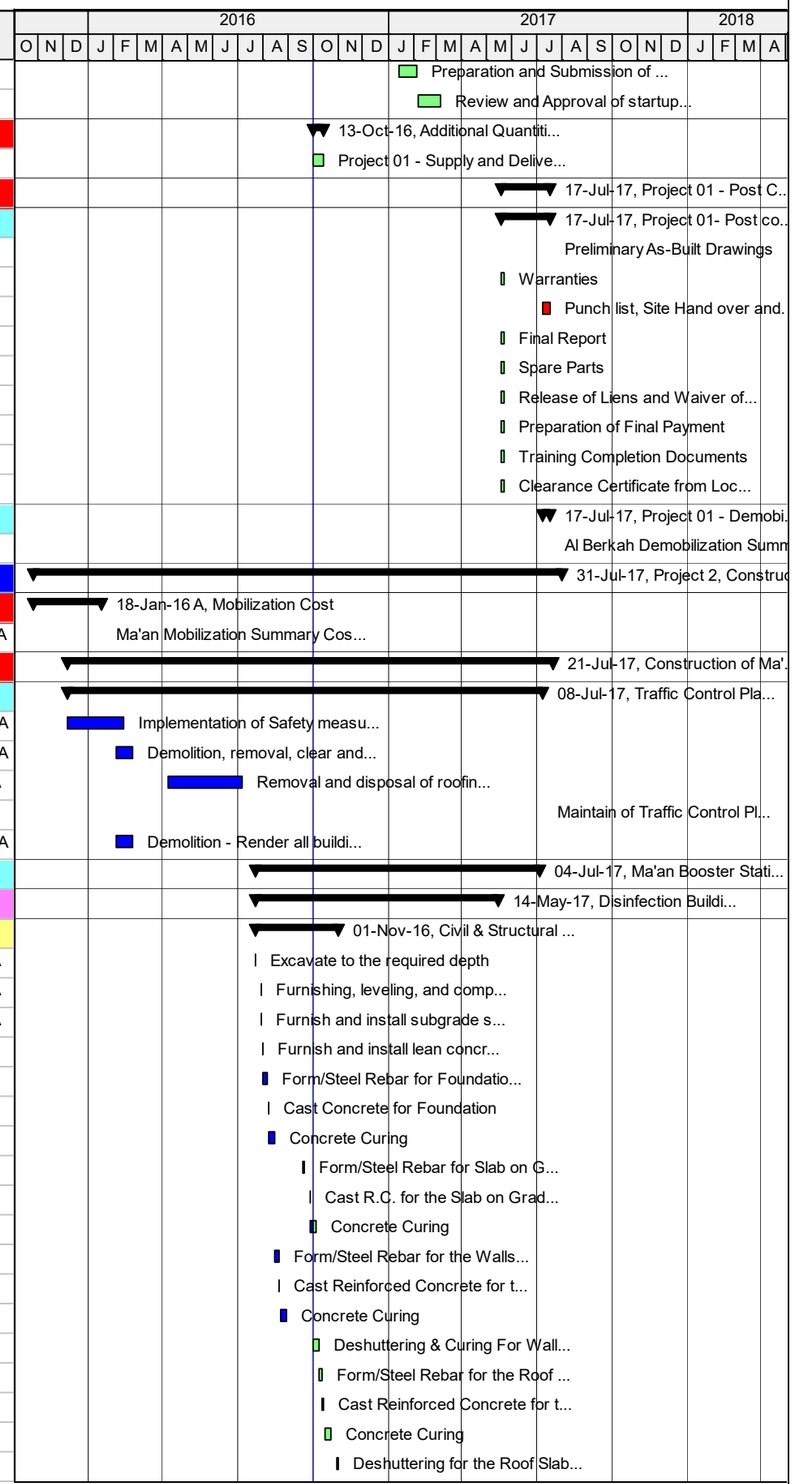
Activity ID	Activity Name	Original Duration	Start	Finish
BER-7655	Preparation and Submission of startup, testing, and commissioning plan and schedule to the Engineer	20.00	14-Jan-17	05-Feb-17
BER-7665	Review and Approval of startup, testing, and commissioning plan and schedule to the Engineer	21.00	06-Feb-17	06-Mar-17
Additional Quantities of uPVC Pipes and Fittings as per VO 01				
GAZII-P1-1020	Project 01 - Supply and Deliver Additional Quantities of uPVC Pipes and Fittings to PWA Storage Yard in Gaza	10.00	02-Oct-16	13-Oct-16
Project 01 - Post Construction Phase				
Project 01- Post construction Submittals				
GAZII-P1-PCS-1010	Preliminary As-Built Drawings	31.18	18-May-17	17-Jul-17
GAZII-P1-PCS-1020	Warranties	3.00	18-May-17	23-May-17
GAZII-P1-PCS-1030	Punch list, Site Hand over and Final Acceptance Certificate	7.00	09-Jul-17	17-Jul-17
GAZII-P1-PCS-1040	Final Report	3.00	18-May-17	23-May-17
GAZII-P1-PCS-1050	Spare Parts	3.00	18-May-17	23-May-17
GAZII-P1-PCS-1060	Release of Liens and Waiver of Debts and Claims letter	3.00	18-May-17	23-May-17
GAZII-P1-PCS-1070	Preparation of Final Payment	3.00	18-May-17	23-May-17
GAZII-P1-PCS-1080	Training Completion Documents	2.00	18-May-17	22-May-17
GAZII-P1-PCS-1090	Clearance Certificate from Local Authorities	3.00	18-May-17	23-May-17
Project 01 - Demobilization Cost				
GAZII-P1-PCS-1000	Al Berkah Demobilization Summary Cost	7.00	09-Jul-17	17-Jul-17
Project 2, Construction of Ma'an Reservoir and Pumping Facilities:				
Mobilization Cost				
GAZII - MOB1080	Ma'an Mobilization Summary Cost	71.00	26-Oct-15 A	18-Jan-16 A
Construction of Ma'an Facilities				
Traffic Control Plan and Safety measures				
E-MAN-7585	Implementation of Safety measures and Traffic Control Plan for Ma'an Facilities	2.00	07-Dec-15	14-Feb-16 A
E-MAN-7586	Demolition, removal, clear and grub site (Demolition of Existing Ware House)	21.00	04-Feb-16 A	24-Feb-16 A
E-MAN-7587	Removal and disposal of roofing on structures and in storage on site including existing piping and utilities	21.00	07-Apr-16 A	07-Jul-16 A
E-MAN-7595	Maintain of Traffic Control Plan and Safety measures for Ma'an Facilities	353.75	14-Feb-16 A	08-Jul-17
E-MAN-YW-1010	Demolition - Render all buildings to be Demolished electrically safe	12.00	04-Feb-16 A	24-Feb-16 A
Ma'an Booster Station				
Disinfection Building				
Civil & Structural Works				
E-MAN-DIS-1000	Excavate to the required depth	1.00	23-Jul-16 A	24-Jul-16 A
E-MAN-DIS-1010	Furnishing, leveling, and compacting of selected backfill	2.00	30-Jul-16 A	31-Jul-16 A
E-MAN-DIS-1020	Furnish and install subgrade sanitary drain piping	2.00	30-Jul-16 A	31-Jul-16 A
E-MAN-DIS-1030	Furnish and install lean concrete (blinding 100mm)	1.00	01-Aug-16	01-Aug-16
E-MAN-DIS-1040	Form/Steel Rebar for Foundation	4.00	02-Aug-16	07-Aug-16
E-MAN-DIS-1060	Cast Concrete for Foundation	1.00	08-Aug-16	08-Aug-16
E-MAN-DIS-1070	Concrete Curing	7.00	09-Aug-16	15-Aug-16
E-MAN-DIS-1080	Form/Steel Rebar for Slab on Grade	3.00	19-Sep-16	21-Sep-16
E-MAN-DIS-1100	Cast R.C. for the Slab on Grade	1.00	28-Sep-16	28-Sep-16
E-MAN-DIS-1110	Concrete Curing	7.00	29-Sep-16	05-Oct-16
E-MAN-DIS-1120	Form/Steel Rebar for the Walls & column	4.00	15-Aug-16	21-Aug-16
E-MAN-DIS-1130	Cast Reinforced Concrete for the Walls & column	1.00	22-Aug-16	22-Aug-16
E-MAN-DIS-1140	Concrete Curing	7.00	23-Aug-16	30-Aug-16
E-MAN-DIS-1150	Deshuttering & Curing For Walls	7.00	01-Oct-16	08-Oct-16
E-MAN-DIS-1160	Form/Steel Rebar for the Roof Slab	4.00	09-Oct-16	12-Oct-16
E-MAN-DIS-1170	Cast Reinforced Concrete for the Roof Slab	1.00	13-Oct-16	13-Oct-16
E-MAN-DIS-1180	Concrete Curing	7.00	15-Oct-16	22-Oct-16
E-MAN-DIS-1190	Deshuttering for the Roof Slab & backfilling	2.00	31-Oct-16	01-Nov-16



Actual Work | Critical Remaining Work | Summary
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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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Activity ID	Activity Name	Original Duration	Start	Finish
Finishing Works				
E-MAN-DIS-1200	Furnish & Install Interior & Exterior Plaster	5.00	02-Nov-16	09-Nov-16
E-MAN-DIS-1210	Furnish & Install Hatches, Vents, Ladders, Grating etc	2.00	02-Nov-16	03-Nov-16
E-MAN-DIS-1240	Apply Acrylic Coats for External Walls	3.00	10-Nov-16	13-Nov-16
E-MAN-DIS-1250	Furnish & Install insulation, Roofing, Coping and All Items etc	4.00	14-Nov-16	19-Nov-16
E-MAN-DIS-1260	Furnish & Install Furniture and Fittings	4.00	14-Nov-16	19-Nov-16
E-MAN-DIS-1270	Furnish & Install All Architectural Elements	4.00	14-Nov-16	19-Nov-16
E-MAN-DIS-1280	Furnish & Install Doors and Windows	4.00	14-Nov-16	19-Nov-16
Mechanical Works				
E-MAN-DIS-1090	Furnish & Install of Utility Piping including Pipe Supports & Valves	4.00	29-Apr-17	03-May-17
E-MAN-DIS-1310	Furnish and install sodium hypochlorite tanks	5.00	29-Apr-17	04-May-17
E-MAN-DIS-1320	Clean and pressure test utility piping < 110mm	5.00	29-Apr-17	04-May-17
E-MAN-DIS-1330	Furnish & Install Miscellaneous Plumbing Components	5.00	29-Apr-17	04-May-17
Electrical & Instrumentation Works				
E-MAN-DIS-1050	Furnish and Installation of Grounding System	1.00	01-Oct-16	01-Oct-16
E-MAN-DIS-1220	Furnish, Install, Wire, Duct Banks & Terminate Lights and Receptacles	5.00	02-Nov-16	09-Nov-16
E-MAN-DIS-1230	Furnish and install HVAC electrical conduit	5.00	10-Nov-16	16-Nov-16
E-MAN-DIS-1290	Lightening Protection System	1.00	24-Jan-17	24-Jan-17
E-MAN-DIS-1300	Electrical & Control Panels	3.00	17-Nov-16	20-Nov-16
E-MAN-DIS-1340	Instruments - Furnish and install all instruments the RIO Enclosure	8.00	25-Jan-17	02-Feb-17
E-MAN-DIS-1360	Testing and Commissioning of Electrical Systems and Equipment	5.00	04-Feb-17	08-Feb-17
HVAC-Plumping				
E-MAN-DIS-1350	Furnish and install Penthouse Ventilator, roof mounted Upblast Fan, Electric Unit Heater, control panel	3.00	06-May-17	08-May-17
E-MAN-DIS-1370	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection, Commissioning	5.00	09-May-17	14-May-17
Guard House Building				
Civil & Structural Works				
E-MAN-GH-1000	Excavate to the required depth	2.00	01-Oct-16	02-Oct-16
E-MAN-GH-1010	Furnishing, leveling, and compacting of selected backfill	5.00	03-Oct-16	08-Oct-16
E-MAN-GH-1020	Furnish and install subgrade sanitary drain piping	4.00	09-Oct-16	12-Oct-16
E-MAN-GH-1030	Furnish and install lean concrete (blinding 100mm)	5.00	13-Oct-16	18-Oct-16
E-MAN-GH-1040	Form/Steel Rebar for Foundation	5.00	19-Oct-16	24-Oct-16
E-MAN-GH-1050	Cast in Concrete for foundation	1.00	25-Oct-16	25-Oct-16
E-MAN-GH-1060	Concrete Curing for foundation	7.00	26-Oct-16	02-Nov-16
E-MAN-GH-1070	Form/Steel Rebar for Slab on Grade	6.00	26-Oct-16	01-Nov-16
E-MAN-GH-1090	Cast R.C. for the Slab on Grade	1.00	07-Nov-16	07-Nov-16
E-MAN-GH-1100	Concrete Curing for the Slab on Grade	7.00	08-Nov-16	16-Nov-16
E-MAN-GH-1110	Form/Steel Rebar for the Walls	10.00	08-Nov-16	20-Nov-16
E-MAN-GH-1140	Cast Reinforced Concrete for the Walls / Columns	1.00	21-Nov-16	21-Nov-16
E-MAN-GH-1150	Concrete Curing for the Walls / Columns	7.00	22-Nov-16	29-Nov-16
E-MAN-GH-1170	Deshuttering & Curing For Walls	7.00	30-Nov-16	07-Dec-16
E-MAN-GH-1190	Form/Steel Rebar for the Roof Slab	7.00	08-Dec-16	19-Dec-16
E-MAN-GH-1200	Cast Reinforced Concrete for the Roof Slab	1.00	20-Dec-16	20-Dec-16
E-MAN-GH-1220	Concrete Curing for the Roof Slab	7.00	21-Dec-16	02-Jan-17
E-MAN-GH-1230	Deshuttering for the Roof Slab & Backfilling	1.00	18-Jan-17	18-Jan-17
Finishing Works				
E-MAN-GH-1240	Construction of CMU Walls	4.00	19-Jan-17	23-Jan-17
E-MAN-GH-1250	Furnish & Install Interior & Exterior Plaster & Stone Coping	7.00	24-Jan-17	31-Jan-17
E-MAN-GH-1290	Furnish & install Floor Tiles & wall tile	5.00	08-Feb-17	13-Feb-17

Actual Work | Critical Remaining Work | Summary
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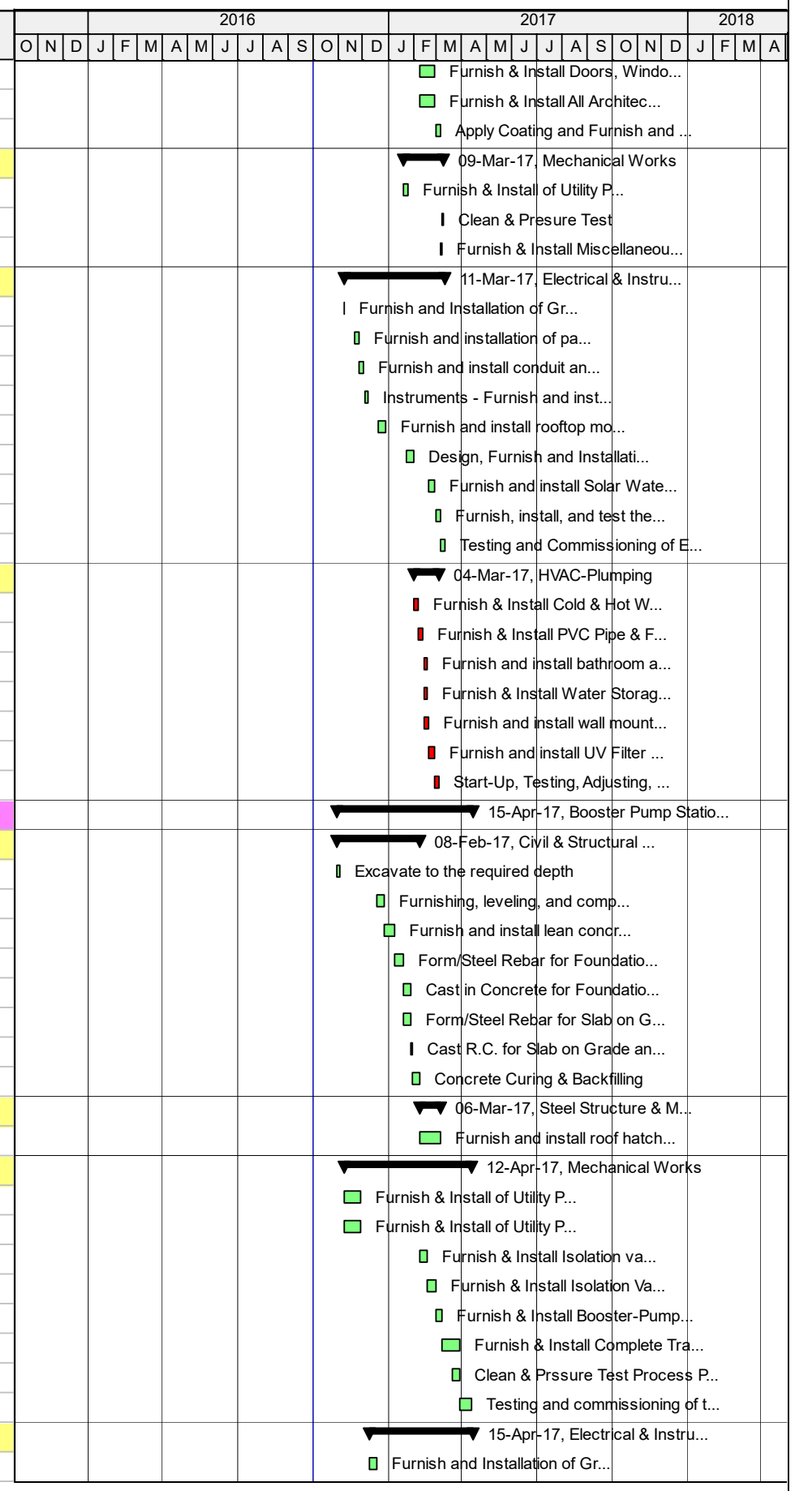
Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-GH-1300	Furnish & Install Doors, Windows & All Metal Works including hatches, vents, ladders, railings	15.00	08-Feb-17	27-Feb-17
E-MAN-GH-1310	Furnish & Install All Architectural Elements, Kitchen Equipment & Furniture	15.00	08-Feb-17	27-Feb-17
E-MAN-GH-1390	Apply Coating and Furnish and install insulation, crickets, roofing, curbs, scupper drains	5.00	28-Feb-17	05-Mar-17
Mechanical Works				
E-MAN-GH-1080	Furnish & Install of Utility Piping including Pipe Supports & Valves	5.00	19-Jan-17	24-Jan-17
E-MAN-GH-1380	Clean & Presure Test	2.00	08-Mar-17	09-Mar-17
E-MAN-GH-1410	Furnish & Install Miscellaneous Plumbing Components	2.00	06-Mar-17	07-Mar-17
Electrical & Instrumentation Works				
E-MAN-GH-1120	Furnish and Installation of Grounding System	1.00	08-Nov-16	08-Nov-16
E-MAN-GH-1130	Furnish and installation of panels, wires, conduits, cables, lights	5.00	21-Nov-16	26-Nov-16
E-MAN-GH-1160	Furnish and install conduit and wire complete for UV system	5.00	27-Nov-16	01-Dec-16
E-MAN-GH-1180	Instruments - Furnish and install all instruments (UV Monitors/Purifiers & Security)	5.00	03-Dec-16	07-Dec-16
E-MAN-GH-1210	Furnish and install rooftop mounted condensing A/C unit	5.00	20-Dec-16	28-Dec-16
E-MAN-GH-1270	Design, Furnish and Installation of Lightning Protection System	7.00	24-Jan-17	31-Jan-17
E-MAN-GH-1350	Furnish and install Solar Water Heating System	5.00	19-Feb-17	26-Feb-17
E-MAN-GH-1400	Furnish, install, and test the Guard House HMI	5.00	28-Feb-17	05-Mar-17
E-MAN-GH-1420	Testing and Commissioning of Electrical Systems	5.00	06-Mar-17	11-Mar-17
HVAC-Plumping				
E-MAN-GH-1260	Furnish & Install Cold & Hot Water Pipe	5.00	01-Feb-17	06-Feb-17
E-MAN-GH-1280	Furnish & Install PVC Pipe & Fittings	5.00	07-Feb-17	12-Feb-17
E-MAN-GH-1320	Furnish and install bathroom and kitchen plumbing equipments and piping	5.00	13-Feb-17	18-Feb-17
E-MAN-GH-1330	Furnish & Install Water Storage Tank & Solar System	5.00	13-Feb-17	18-Feb-17
E-MAN-GH-1340	Furnish and install wall mounted indoor AC units	5.00	14-Feb-17	19-Feb-17
E-MAN-GH-1360	Furnish and install UV Filter System	5.00	19-Feb-17	26-Feb-17
E-MAN-GH-1370	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection	5.00	27-Feb-17	04-Mar-17
Booster Pump Station				
Civil & Structural Works				
E-MAN-BP-1000	Excavate to the required depth	2.00	31-Oct-16	02-Nov-16
E-MAN-BP-1040	Furnishing, leveling, and compacting of selected backfill	5.00	18-Dec-16	27-Dec-16
E-MAN-BP-1050	Furnish and install lean concrete	5.00	27-Dec-16	08-Jan-17
E-MAN-BP-1060	Form/Steel Rebar for Foundation	8.00	08-Jan-17	19-Jan-17
E-MAN-BP-1070	Cast in Concrete for Foundation and Concrete Curing	7.00	19-Jan-17	28-Jan-17
E-MAN-BP-1080	Form/Steel Rebar for Slab on Grade and Walls of Booster Pump	8.00	19-Jan-17	29-Jan-17
E-MAN-BP-1090	Cast R.C. for Slab on Grade and Walls of Booster Pump	2.00	29-Jan-17	31-Jan-17
E-MAN-BP-1100	Concrete Curing & Backfilling	7.00	31-Jan-17	08-Feb-17
Steel Structure & Metal Works				
E-MAN-BP-1110	Furnish and install roof hatches, checkered plate, ladders, trench support framing, canopy support framing	20.00	08-Feb-17	06-Mar-17
Mechanical Works				
E-MAN-BP-1020	Furnish & Install of Utility Piping Under 50mm Including Pipe Supports & Valves	16.00	09-Nov-16	28-Nov-16
E-MAN-BP-1030	Furnish & Install of Utility Piping above 50mm Including Pipe Supports & Valves	15.00	09-Nov-16	27-Nov-16
E-MAN-BP-1120	Furnish & Install Isolation valves and Flow Meter	8.00	08-Feb-17	18-Feb-17
E-MAN-BP-1130	Furnish & Install Isolation Valves & Pipes Above 80mm	7.00	18-Feb-17	28-Feb-17
E-MAN-BP-1140	Furnish & Install Booster-Pump Control Valve , Check Valve	7.00	28-Feb-17	08-Mar-17
E-MAN-BP-1160	Furnish & Install Complete Transmission System Pumps	18.00	08-Mar-17	29-Mar-17
E-MAN-BP-1210	Clean & Prssure Test Process Piping	8.00	20-Mar-17	29-Mar-17
E-MAN-BP-1230	Testing and commissioning of transmission system pumps complete according to the specifications.	12.00	29-Mar-17	12-Apr-17
Electrical & Instrumentation Works				
E-MAN-BP-1010	Furnish and Installation of Grounding System, Duct banks & Raceway	5.00	08-Dec-16	18-Dec-16



Actual Work | Critical Remaining Work | Summary
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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

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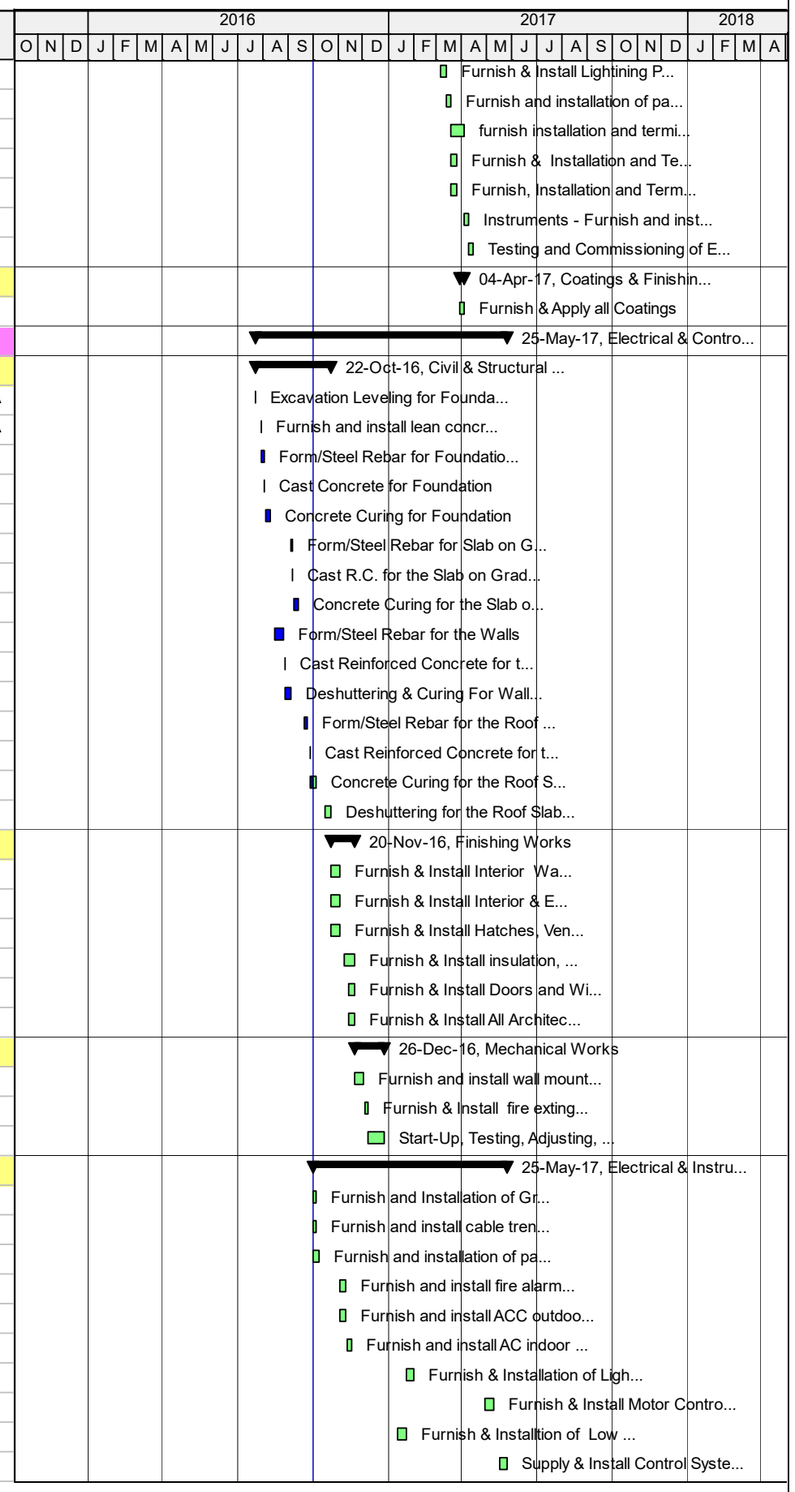
Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-BP-1150	Furnish & Install Lightning Protection,Recepticles & Process Control Instrumentation	5.00	06-Mar-17	12-Mar-17
E-MAN-BP-1170	Furnish and installation of panels, wires, conduits, cables, lights	5.00	12-Mar-17	18-Mar-17
E-MAN-BP-1180	furnish installation and termination of transmission pump power and controls wire including boxes,supports …etc	14.00	18-Mar-17	03-Apr-17
E-MAN-BP-1190	Furnish & Installation and Termination of Booster Control Valves Pump Power ..etc	7.00	18-Mar-17	26-Mar-17
E-MAN-BP-1200	Furnish, Installation and Termination of Miscellaneous Power..etc	7.00	18-Mar-17	26-Mar-17
E-MAN-BP-1240	Instruments - Furnish and install all instruments	5.00	03-Apr-17	09-Apr-17
E-MAN-BP-1250	Testing and Commissioning of Electrical Systems and Instrumentation	5.00	09-Apr-17	15-Apr-17
Coatings & Finishing Works				
E-MAN-BP-1220	Furnish & Apply all Coatings	5.00	29-Mar-17	04-Apr-17
Electrical & Control Building				
Civil & Structural Works				
E-MAN-ECB-1000	Excavation Leveling for Foundation and Furnishing, leveling, and compacting of selected backfill	7.00	23-Jul-16 A	24-Jul-16 A
E-MAN-ECB-1010	Furnish and install lean concrete (blinding 100mm)	5.00	30-Jul-16 A	30-Jul-16 A
E-MAN-ECB-1020	Form/Steel Rebar for Foundation	4.00	31-Jul-16 A	03-Aug-16
E-MAN-ECB-1040	Cast Concrete for Foundation	1.00	04-Aug-16	04-Aug-16
E-MAN-ECB-1050	Concrete Curing for Foundation	7.00	05-Aug-16	11-Aug-16
E-MAN-ECB-1060	Form/Steel Rebar for Slab on Grade & Compacted Basecourse layer 20cm	10.00	05-Sep-16	06-Sep-16
E-MAN-ECB-1070	Cast R.C. for the Slab on Grade	1.00	07-Sep-16	07-Sep-16
E-MAN-ECB-1090	Concrete Curing for the Slab on Grade	7.00	08-Sep-16	14-Sep-16
E-MAN-ECB-1100	Form/Steel Rebar for the Walls	10.00	16-Aug-16	27-Aug-16
E-MAN-ECB-1110	Cast Reinforced Concrete for the Walls	1.00	28-Aug-16	28-Aug-16
E-MAN-ECB-1120	Deshuttering & Curing For Walls	7.00	29-Aug-16	04-Sep-16
E-MAN-ECB-1130	Form/Steel Rebar for the Roof Slab	5.00	21-Sep-16	25-Sep-16
E-MAN-ECB-1140	Cast Reinforced Concrete for the Roof Slab	1.00	28-Sep-16	28-Sep-16
E-MAN-ECB-1160	Concrete Curing for the Roof Slab	7.00	29-Sep-16	05-Oct-16
E-MAN-ECB-1170	Deshuttering for the Roof Slab & Backfilling	7.00	15-Oct-16	22-Oct-16
Finishing Works				
E-MAN-ECB-1180	Furnish & Install Interior Walls	10.00	23-Oct-16	02-Nov-16
E-MAN-ECB-1190	Furnish & Install Interior & Exterior Plaster	10.00	23-Oct-16	02-Nov-16
E-MAN-ECB-1200	Furnish & Install Hatches, Vents, Ladders, Grating etc	10.00	23-Oct-16	02-Nov-16
E-MAN-ECB-1230	Furnish & Install insulation, Roofing, Coping and All Items etc	10.00	08-Nov-16	20-Nov-16
E-MAN-ECB-1250	Furnish & Install Doors and Windows	6.00	13-Nov-16	20-Nov-16
E-MAN-ECB-1260	Furnish & Install All Architectural Elements, Coating, & Furniture, Fittings & Equipment	6.00	13-Nov-16	20-Nov-16
Mechanical Works				
E-MAN-ECB-1280	Furnish and install wall mounted and roof underside indoor AC units	10.00	21-Nov-16	01-Dec-16
E-MAN-ECB-1290	Furnish & Install fire extinguishers	5.00	03-Dec-16	07-Dec-16
E-MAN-ECB-1300	Start-Up, Testing, Adjusting, Balancing, Cleaning, Disinfection, Commissioning, and Operator Instruction	10.00	08-Dec-16	26-Dec-16
Electrical & Instrumentation Works				
E-MAN-ECB-1030	Furnish and Installation of Grounding System	4.00	01-Oct-16	04-Oct-16
E-MAN-ECB-1080	Furnish and install cable trench brackets	5.00	01-Oct-16	05-Oct-16
E-MAN-ECB-1150	Furnish and installation of panels, wires, conduits, cables, lights and receptacles	8.00	01-Oct-16	09-Oct-16
E-MAN-ECB-1210	Furnish and install fire alarm devices, conduit, and cable complete	5.00	03-Nov-16	10-Nov-16
E-MAN-ECB-1220	Furnish and install ACC outdoor electrical conduit, disconnect, and wiring	5.00	03-Nov-16	10-Nov-16
E-MAN-ECB-1240	Furnish and install AC indoor electrical conduit and wiring	5.00	12-Nov-16	17-Nov-16
E-MAN-ECB-1270	Furnish & Installation of Lights, Receptacles & Lightining Protection System	8.00	24-Jan-17	01-Feb-17
E-MAN-ECB-1310	Furnish & Install Motor Control Center (MCC) and Manuel Transfer Switch complete	10.00	29-Apr-17	10-May-17
E-MAN-ECB-1320	Furnish & Installtion of Low Voltage VFD	10.00	12-Jan-17	23-Jan-17
E-MAN-ECB-1330	Supply & Install Control System Hardware and UPS	8.00	17-May-17	25-May-17



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

TASK filter: All Activities

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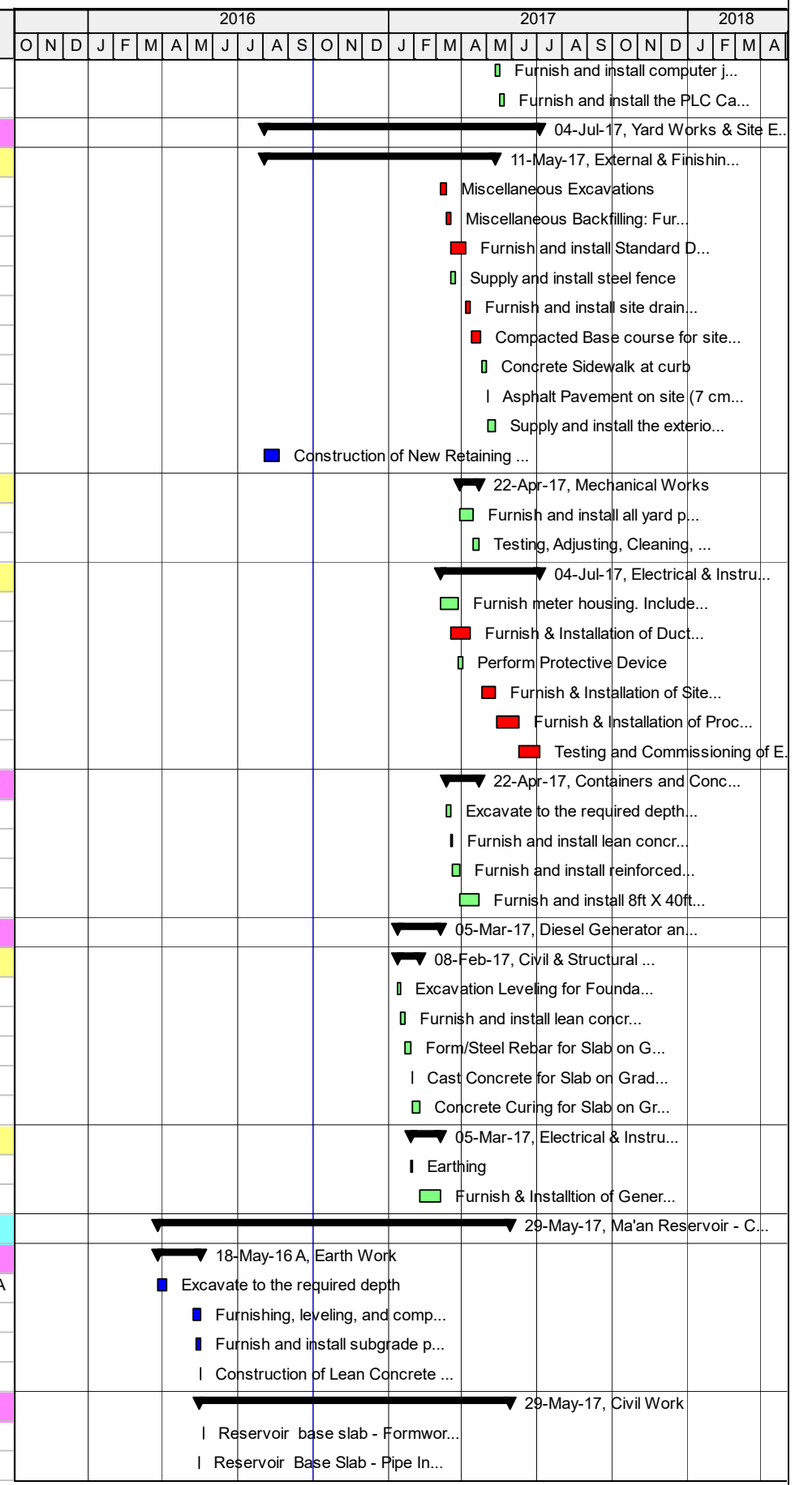
Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-ECB-1340	Furnish and install computer jack and cable complete	5.00	11-May-17	16-May-17
E-MAN-ECB-1350	Furnish and install the PLC Cabinet	5.00	17-May-17	22-May-17
Yard Works & Site Electrical Power				
External & Finishing Works				
E-MAN-YW-1050	Miscellaneous Excavations	7.00	05-Mar-17	12-Mar-17
E-MAN-YW-1070	Miscellaneous Backfilling: Furnishing, leveling, and compaction of selected fill	5.00	13-Mar-17	18-Mar-17
E-MAN-YW-1080	Furnish and install Standard Design Valve Box, Refer To S-RVV1 & S-RVV2	16.00	19-Mar-17	05-Apr-17
E-MAN-YW-1090	Supply and install steel fence	5.00	19-Mar-17	23-Mar-17
E-MAN-YW-1100	Furnish and install site drainage outlet per detail C-332.	5.00	06-Apr-17	11-Apr-17
E-MAN-YW-1140	Compacted Base course for site grading, 200 mm layer	9.00	12-Apr-17	24-Apr-17
E-MAN-YW-1160	Concrete Sidewalk at curb	5.00	25-Apr-17	30-Apr-17
E-MAN-YW-1180	Asphalt Pavement on site (7 cm), ¾" asphalt mix design including MC	1.00	02-May-17	02-May-17
E-MAN-YW-1200	Supply and install the exterior gate	8.00	03-May-17	11-May-17
E-MAN-YW-1230	Construction of New Retaining Wall (Southern western part)	15.00	04-Aug-16	22-Aug-16
Mechanical Works				
E-MAN-YW-1150	Furnish and install all yard piping and mechanical equipment	14.00	29-Mar-17	15-Apr-17
E-MAN-YW-1190	Testing, Adjusting, Cleaning, Disinfection, Commissioning for All yard pipes	5.00	15-Apr-17	22-Apr-17
Electrical & Instrumentation Works				
E-MAN-YW-1110	Furnish meter housing. Include coordination with utility company	20.00	05-Mar-17	27-Mar-17
E-MAN-YW-1120	Furnish & Installation of Ductbanks	20.00	19-Mar-17	10-Apr-17
E-MAN-YW-1130	Perform Protective Device	5.00	28-Mar-17	02-Apr-17
E-MAN-YW-1170	Furnish & Installation of Site Lights	14.00	25-Apr-17	11-May-17
E-MAN-YW-1210	Furnish & Installation of Process Instrumentation & Control	20.00	13-May-17	10-Jun-17
E-MAN-YW-1220	Testing and Commissioning of Electrical Systems and Equipment	12.00	10-Jun-17	04-Jul-17
Containers and Concrete Pad				
E-MAN-YW-1000	Excavate to the required depth, Furnishing, leveling, and compacting of selected backfill	5.00	13-Mar-17	18-Mar-17
E-MAN-YW-1020	Furnish and install lean concrete (blinding 100mm) for concrete pad	2.00	19-Mar-17	20-Mar-17
E-MAN-YW-1030	Furnish and install reinforced concrete pad	7.00	21-Mar-17	28-Mar-17
E-MAN-YW-1040	Furnish and install 8ft X 40ft containers complete with interior lighting, electrical receptacles	20.00	29-Mar-17	22-Apr-17
Diesel Generator and Transfromer Pad				
Civil & Structural Works				
E-MAN-DG-1000	Excavation Leveling for Foundation and Furnishing, leveling, and compacting of subgrade layer and BC 150mm	3.00	12-Jan-17	16-Jan-17
E-MAN-DG-1010	Furnish and install lean concrete (blinding 100mm)	5.00	16-Jan-17	22-Jan-17
E-MAN-DG-1020	Form/Steel Rebar for Slab on Grade of Generator and Transformer Pad	6.00	22-Jan-17	29-Jan-17
E-MAN-DG-1040	Cast Concrete for Slab on Grade of Generator and Transformer Pad	1.00	30-Jan-17	31-Jan-17
E-MAN-DG-1050	Concrete Curing for Slab on Grade of Generator and Transformer Pad	7.00	31-Jan-17	08-Feb-17
Electrical & Instrumentation Works				
E-MAN-DG-1030	Earthing	1.00	29-Jan-17	30-Jan-17
E-MAN-DG-1060	Furnish & Installtion of Generator and Transformer	19.00	08-Feb-17	05-Mar-17
Ma'an Reservoir - Construction of new 3,800 m3				
Earth Work				
E-MAN-RES-1020	Excavate to the required depth	5.00	26-Mar-16 A	06-Apr-16 A
E-MAN-RES-1030	Furnishing, leveling, and compacting of selected backfill	5.00	08-May-16	17-May-16
E-MAN-RES-1040	Furnish and install subgrade piping (Perforated, Outlet & Washout)	2.00	12-May-16	18-May-16
E-MAN-RES-1050	Construction of Lean Concrete under Reservoir	5.00	18-May-16	18-May-16
Civil Work				
E-MAN-RES-1060	Reservoir base slab - Formwork	5.00	21-May-16	21-May-16
E-MAN-RES-1070	Reservoir Base Slab - Pipe Inserts	2.00	15-May-16	15-May-16



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

TASK filter: All Activities

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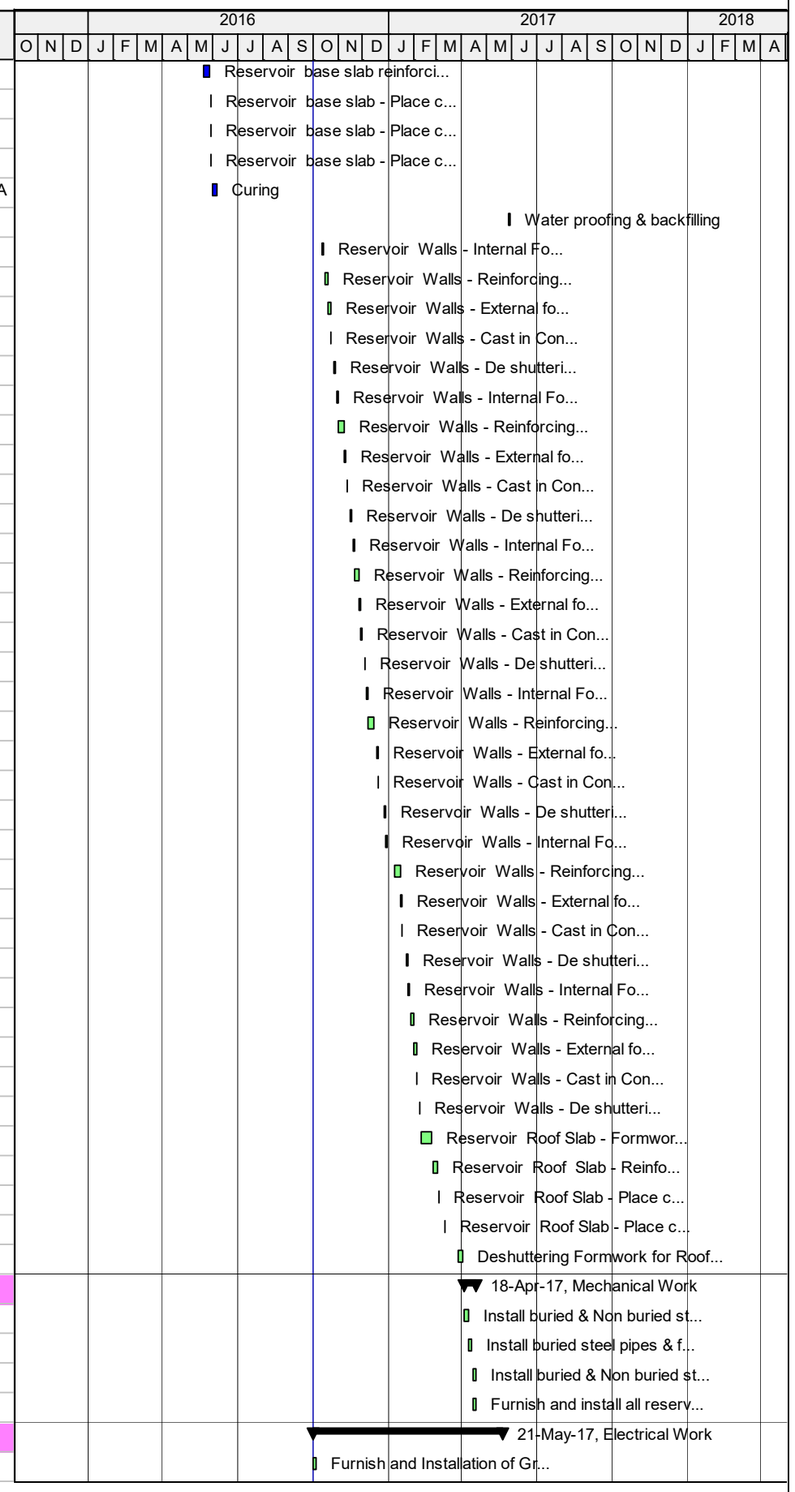
Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-RES-1080	Reservoir base slab reinforcing steel & water stop installation	7.00	21-May-16	28-May-16
E-MAN-RES-1090	Reservoir base slab - Place concrete (Stage 1 - Part A,C,H,L)	1.00	30-May-16	30-May-16
E-MAN-RES-1110	Reservoir base slab - Place concrete (Stage 2 - Part B,D,F,J)	1.00	30-May-16	30-May-16
E-MAN-RES-1120	Reservoir base slab - Place concrete (Stage 3 - Column Footing)	1.00	30-May-16	30-May-16
E-MAN-RES-1130	Curing	7.00	31-May-16	06-Jun-16 A
E-MAN-RES-1140	Water proofing & backfilling	1.00	28-May-17	29-May-17
E-MAN-RES-1150	Reservoir Walls - Internal Formwork (first cycle - Part 1)	2.00	12-Oct-16	13-Oct-16
E-MAN-RES-1160	Reservoir Walls - Reinforcing steel & vertical water stop installation (first cycle - Part 1)	5.00	15-Oct-16	19-Oct-16
E-MAN-RES-1170	Reservoir Walls - External formwork - (first cycle - Part 1)	2.00	20-Oct-16	22-Oct-16
E-MAN-RES-1180	Reservoir Walls - Cast in Concrete - (first cycle - Part 1)	1.00	23-Oct-16	23-Oct-16
E-MAN-RES-1190	Reservoir Walls - De shuttering of formwork (first cycle - Part 1)	2.00	27-Oct-16	29-Oct-16
E-MAN-RES-1200	Reservoir Walls - Internal Formwork (first cycle - Part 2)	2.00	30-Oct-16	31-Oct-16
E-MAN-RES-1210	Reservoir Walls - Reinforcing steel & vertical water stop installation (first cycle - Part 2)	5.00	01-Nov-16	08-Nov-16
E-MAN-RES-1220	Reservoir Walls - External formwork - (first cycle - Part 2)	2.00	09-Nov-16	10-Nov-16
E-MAN-RES-1230	Reservoir Walls - Cast in Concrete - (first cycle - Part 2)	1.00	12-Nov-16	12-Nov-16
E-MAN-RES-1240	Reservoir Walls - De shuttering of formwork (first cycle - Part 2)	2.00	16-Nov-16	17-Nov-16
E-MAN-RES-1250	Reservoir Walls - Internal Formwork (Second cycle - Part 1)	2.00	19-Nov-16	20-Nov-16
E-MAN-RES-1260	Reservoir Walls - Reinforcing steel & vertical water stop installation (Second cycle - Part 1)	5.00	21-Nov-16	26-Nov-16
E-MAN-RES-1270	Reservoir Walls - External formwork - (Second cycle - Part 1)	2.00	27-Nov-16	28-Nov-16
E-MAN-RES-1280	Reservoir Walls - Cast in Concrete - (Second cycle - Part 1)	1.00	29-Nov-16	29-Nov-16
E-MAN-RES-1290	Reservoir Walls - De shuttering of formwork - (Second cycle - Part 1)	2.00	03-Dec-16	04-Dec-16
E-MAN-RES-1300	Reservoir Walls - Internal Formwork (Second cycle - Part 2)	2.00	05-Dec-16	06-Dec-16
E-MAN-RES-1310	Reservoir Walls - Reinforcing steel & vertical water stop installation (Second cycle - Part 2)	5.00	08-Dec-16	14-Dec-16
E-MAN-RES-1320	Reservoir Walls - External formwork - (Second cycle - Part 2)	2.00	18-Dec-16	19-Dec-16
E-MAN-RES-1330	Reservoir Walls - Cast in Concrete - (Second cycle - Part 2)	1.00	20-Dec-16	20-Dec-16
E-MAN-RES-1340	Reservoir Walls - De shuttering of formwork - (Second cycle - Part 2)	2.00	27-Dec-16	28-Dec-16
E-MAN-RES-1350	Reservoir Walls - Internal Formwork (Third cycle - Part 1)	2.00	29-Dec-16	31-Dec-16
E-MAN-RES-1360	Reservoir Walls - Reinforcing steel & vertical water stop installation (Third cycle - Part 1)	5.00	08-Jan-17	15-Jan-17
E-MAN-RES-1370	Reservoir Walls - External formwork - (Third cycle - Part 1)	2.00	16-Jan-17	17-Jan-17
E-MAN-RES-1380	Reservoir Walls - Cast in Concrete - (Third cycle - Part 1) including Seismic cans	1.00	18-Jan-17	18-Jan-17
E-MAN-RES-1390	Reservoir Walls - De shuttering of formwork - (Third cycle - Part 1)	2.00	23-Jan-17	24-Jan-17
E-MAN-RES-1400	Reservoir Walls - Internal Formwork (Third cycle - Part 2)	2.00	25-Jan-17	26-Jan-17
E-MAN-RES-1410	Reservoir Walls - Reinforcing steel & vertical water stop installation (Third cycle - Part 2)	5.00	28-Jan-17	01-Feb-17
E-MAN-RES-1420	Reservoir Walls - External formwork - (Third cycle - Part 2)	2.00	02-Feb-17	04-Feb-17
E-MAN-RES-1430	Reservoir Walls - Cast in Concrete - (Third cycle - Part 2) including Seismic cans	1.00	05-Feb-17	05-Feb-17
E-MAN-RES-1440	Reservoir Walls - De shuttering of formwork - (Third cycle - Part 2)	2.00	08-Feb-17	09-Feb-17
E-MAN-RES-1450	Reservoir Roof Slab - Formwork	10.00	11-Feb-17	23-Feb-17
E-MAN-RES-1460	Reservoir Roof Slab - Reinforcing steel & Constuction Joints Installation	6.00	25-Feb-17	02-Mar-17
E-MAN-RES-1470	Reservoir Roof Slab - Place concrete (Stage 1-Part A & C)	1.00	04-Mar-17	04-Mar-17
E-MAN-RES-1480	Reservoir Roof Slab - Place concrete (Stage 2-Part B & D)	1.00	11-Mar-17	11-Mar-17
E-MAN-RES-1580	Deshuttering Formwork for Roof Slab	5.00	28-Mar-17	02-Apr-17
Mechanical Work				
E-MAN-RES-1490	Install buried & Non buried steel pipes & fittings- Outlet	5.00	03-Apr-17	08-Apr-17
E-MAN-RES-1530	Install buried steel pipes & fittings - Washout	5.00	09-Apr-17	13-Apr-17
E-MAN-RES-1560	Install buried & Non buried steel pipes & fittings - Inlet and all other mechanical equipmentand valves	3.00	15-Apr-17	18-Apr-17
E-MAN-RES-1570	Furnish and install all reservoir drain, overflow and potable water piping, and appurtenances	3.00	15-Apr-17	18-Apr-17
Electrical Work				
E-MAN-RES-1100	Furnish and Installation of Grounding System	5.00	01-Oct-16	05-Oct-16



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

TASK filter: All Activities

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TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
E-MAN-RES-1500	Duct Bank & manholes construction	14.00	12-Mar-17	27-Mar-17
E-MAN-RES-1590	Design, Furnish and installation of Lightning Protection System	10.00	03-Apr-17	13-Apr-17
E-MAN-RES-1630	Cable pulling	5.00	15-Apr-17	20-Apr-17
E-MAN-RES-1670	Cables termination	6.00	22-Apr-17	29-Apr-17
E-MAN-RES-1690	Furnish and install all instruments associated with the tank	6.00	30-Apr-17	07-May-17
E-MAN-RES-1710	Testing and Commissioning of Electrical Systems	12.00	08-May-17	21-May-17
Finishing Work				
E-MAN-RES-1010	Installation of Access Gate	1.00	13-Mar-17	13-Mar-17
E-MAN-RES-1510	Fixing Roof Ventilation	1.00	12-Mar-17	12-Mar-17
E-MAN-RES-1540	Installing Hand Rail	2.00	20-Mar-17	21-Mar-17
E-MAN-RES-1550	Fixing external ladder	1.00	22-Mar-17	22-Mar-17
E-MAN-RES-1600	Furnish and install hatches, vents, ladders, railings, grating, and all other miscellaneous	3.00	03-Apr-17	05-Apr-17
E-MAN-RES-1610	Repair of Internal Walls	10.00	03-Apr-17	13-Apr-17
E-MAN-RES-1620	Install steel pipes inside reservoir - Outlet	5.00	03-Apr-17	08-Apr-17
E-MAN-RES-1640	Repair & applying external paint for the reservoir	14.00	15-Apr-17	03-May-17
E-MAN-RES-1650	Fixing internal stainless steel access ladder	1.00	15-Apr-17	15-Apr-17
E-MAN-RES-1660	Testing Hydraulic Structure	12.00	19-Apr-17	04-May-17
E-MAN-RES-1720	Applying internal epoxy paint for the reservoir	6.00	11-May-17	18-May-17
E-MAN-RES-1740	Testing, Adjusting, Cleaning, Disinfection, Commissioning	7.00	18-May-17	28-May-17
Testing, Training and Commissioning				
E-MAN-1000	Delivery of Final O&M Technical Manuals	20.00	12-Jan-17	05-Feb-17
E-MAN-3450	Site inspection/ Support/ Start up	8.00	28-May-17	12-Jun-17
E-MAN-3510	Training	15.00	12-Jun-17	08-Jul-17
E-MAN-3820	Testing and Commissioning of Electrical and Control System and Equipment	8.00	04-Jul-17	13-Jul-17
E-MAN-3850	Commissioning of the entire system	8.00	13-Jul-17	21-Jul-17
E-MAN-7645	Preparation and Submission of startup, testing, and commissioning plan and schedule to the Engineer	20.00	12-Jan-17	05-Feb-17
E-MAN-7655	Review and Approval of startup, testing, and commissioning plan and schedule to the Engineer	21.00	05-Feb-17	06-Mar-17
Construction of New Supply & Distribution Pipelines				
Traffic Control Plan and Safety measures				
E-MAN-7625	Implementation of Safety measures and Traffic Control Plan for Ma'an Pipelines	2.00	15-Oct-16	17-Oct-16
E-MAN-7635	Maintain of Traffic Control Plan and Safety measures for Ma'an Pipelines	192.12	17-Oct-16	08-Jul-17
Ma'an Distribution Line 1				
Pipe Line Installation				
E-MAN-SDP-1000	Exc., Bed., Install. and Backfill. Distribution Line 1 from MD1 1+000 to MD1 1+105.61 (MD1 - 280mm)	3.00	15-Oct-16	18-Oct-16
Chambers Construction				
Chambers at Ma'an Distribution Line 1				
E-MAN-SDP-1010	Construction of Connection of line line MD2, DN 150mm	13.00	18-Oct-16	02-Nov-16
E-MAN-SDP-1020	Construction of Connection #1, Line MD1, Station 1+105 : Complete DN 150mm flanged Gate Valve Chamber	13.00	02-Nov-16	21-Nov-16
Pavement repair and reinstatement				
E-MAN-SDP-1040	Asphalt reinstatement over trench for Distribution Line 1 from MD1 1+000 to MD1 1+105.61 (MD1 - 280mm)	3.00	21-Nov-16	24-Nov-16
Electro - Mechanical work including instrumentation				
E-MAN-SDP-1030	Mechanical installation for Ma'an Valves and Vaults (Connections and ARV) - Distribution Line 1	4.00	01-Apr-17	04-Apr-17
E-MAN-SDP-1050	Markers as per Specs & Detail as directected by engineer	2.00	05-Apr-17	06-Apr-17
Testing, Training and Commissioning				
MAN-1180	Cleaning, washing, testing and disinfection for Transmission Pipeline	21.00	05-Apr-17	02-May-17
MAN-1190	Training	6.00	15-Jun-17	01-Jul-17
MAN-1200	Delivery of Final O&M Technical Manuals	20.00	14-Jan-17	05-Feb-17
MAN-1210	Site inspection/ Support/ Start up	10.00	28-May-17	15-Jun-17

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

TASK filter: All Activities

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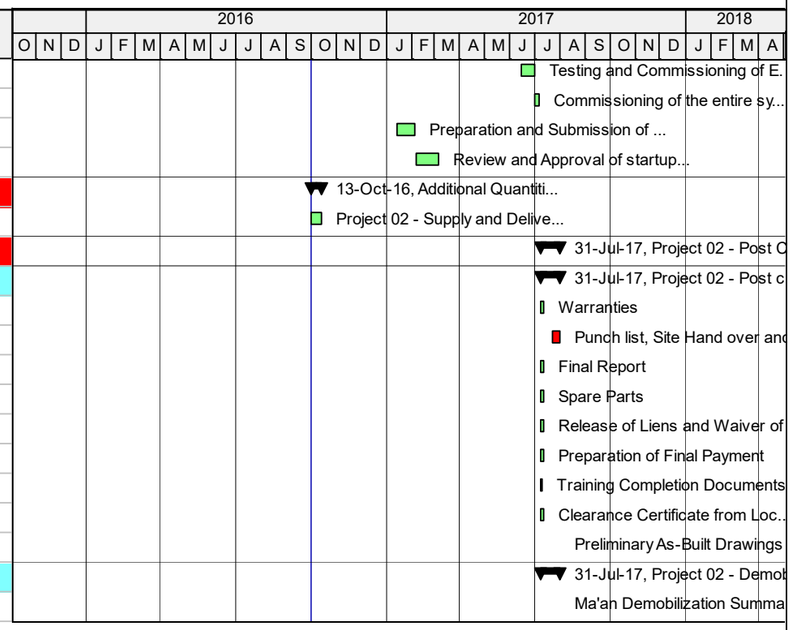
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reservoirs and Pumping Facilities Package II

01-Oct-16 13:43

Activity ID	Activity Name	Original Duration	Start	Finish
MAN-1220	Testing and Commissioning of Electrical and Control System and Equipment	7.00	15-Jun-17	02-Jul-17
MAN-1230	Commissioning of the entire system	5.00	02-Jul-17	07-Jul-17
MAN-7645	Preparation and Submission of startup, testing, and commissioning plan and schedule to the Engineer	20.00	14-Jan-17	05-Feb-17
MAN-7655	Review and Approval of startup, testing, and commissioning plan and schedule to the Engineer	21.00	06-Feb-17	06-Mar-17
Additional Quantities of uPVC Pipes and Fittings as per VO 01				
GAZII-P2-1030	Project 02 - Supply and Deliver Additional Quantities of uPVC Pipes and Fittings to PWA Storage Yard in Gaza	10.00	02-Oct-16	13-Oct-16
Project 02 - Post Construction Phase				
Project 02 - Post construction Submittals				
GAZII-P2-PCS-1010	Warranties	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1020	Punch list, Site Hand over and Final Acceptance Certificate	7.00	23-Jul-17	31-Jul-17
GAZII-P2-PCS-1030	Final Report	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1040	Spare Parts	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1050	Release of Liens and Waiver of Debts and Claims letter	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1060	Preparation of Final Payment	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1070	Training Completion Documents	2.00	09-Jul-17	10-Jul-17
GAZII-P2-PCS-1080	Clearance Certificate from Local Authorities	3.00	09-Jul-17	11-Jul-17
GAZII-P2-PCS-1090	Preliminary As-Built Drawings	17.00	09-Jul-17	31-Jul-17
Project 02 - Demobilization Cost				
GAZII-P2-PCS-1000	Ma'an Demobilization Summary Cost	17.00	09-Jul-17	31-Jul-17



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

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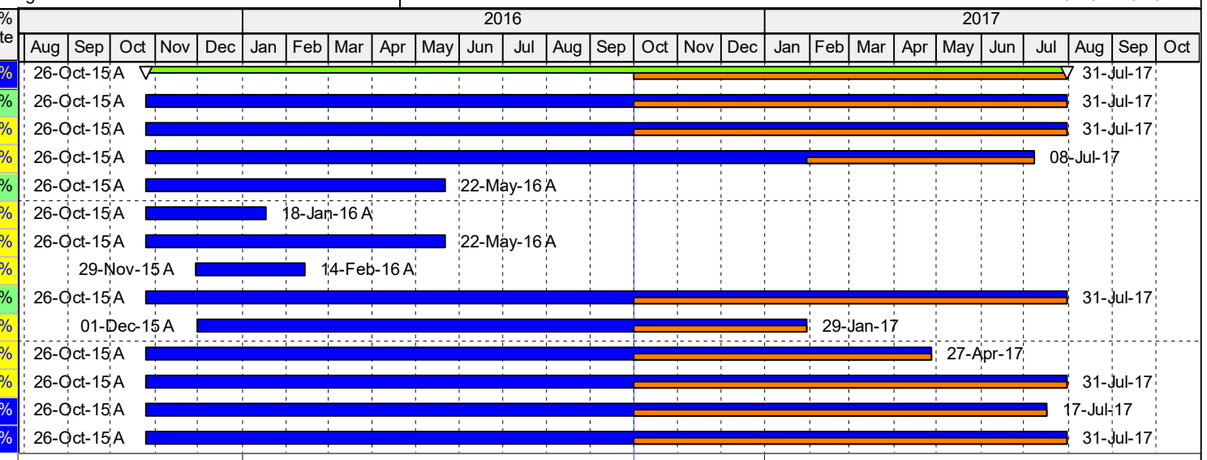
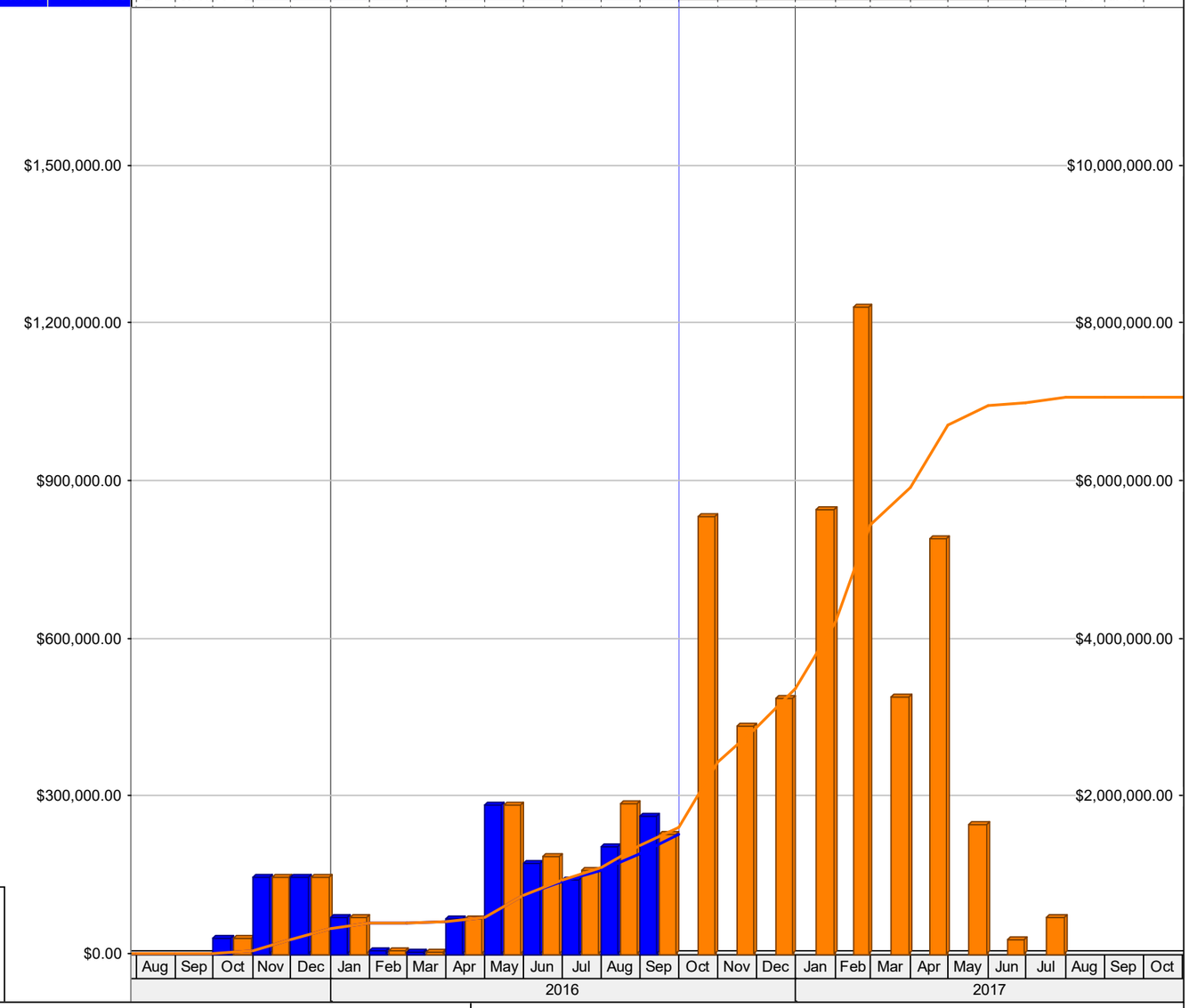
Annex D - Progress S Curve

- S – Curve is based on the approved Revised CPM schedule as per VO1

WBS Name	Start	Finish	Schedule % Complete	Cost % Complete
TO 15-09 GAZII - Revised CPM - VO 01 - Construction of Reserv	26-Oct-1	31-Jul-17	22.73%	21.68%
Milestones	26-Oct-1	31-Jul-17	0%	0%
General Milestones	26-Oct-1	31-Jul-17	0%	0%
Intermediate Milestones	26-Oct-1	08-Jul-17	0%	0%
Preconstruction Phase	26-Oct-1	22-May-16 A	0%	0%
Mobilization	26-Oct-1	18-Jan-16 A	0%	0%
Preconstruction Submittals	26-Oct-1	22-May-16 A	0%	0%
Traffic Control Plan, Coordination and Permits	29-Nov-'	14-Feb-16 A	0%	0%
Construction Phase	26-Oct-1	31-Jul-17	22.73%	21.68%
Construction Submittals	01-Dec-1	29-Jan-17	0%	0%
Procurement-1	26-Oct-1	27-Apr-17	0%	0%
Execution	26-Oct-1	31-Jul-17	22.73%	21.68%
Project 1, Construction of Al Berkah Reservoir and Pumping Facilities	26-Oct-1	17-Jul-17	25.54%	26.77%
Project 2, Construction of Ma'an Reservoir and Pumping Facilities:	26-Oct-1	31-Jul-17	19.07%	15.13%





- Actual Total Cost
- Planned Value Cost
- BL Project Total Cost

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

Resource:

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Annex E - Site Memos Log

SITE MEMOS LOG_TO CONTRACTOR

No.	SM No.	Project	Description	Sent Date	Type	Remarks
1	SM-15-00009-BER-E-C-001	BER	Walkthrough for Al Berkah Supply Line 1, Supply Line 2 & Distribution Line	March 15, 2016	Record of Joint Walkthrough	
2	SM-15-00009-BER-E-C-002	BER	New Arrangement of Al Berkah Retaining Wall	April 4, 2016	Site Instructions	with VOR
1	SM-15-00009-GAZII-E-C-003	GAZII	Connect USAID with CCTV System at Al Berkah and Ma'an Construction Sites	April 12, 2016	Site Instructions	
4	SM-15-00009-BER-E-C-004	BER	Walkthrough for Al Berkah Supply Line 1, Supply Line 2 & Distribution Line	April 19, 2016	Record of Joint Walkthrough	with VOR
2	SM-15-00009-MAN-E-C-005	MAN	Walkthrough for Ma'an Distribution pipeline	April 26, 2016	Record of Joint Walkthrough	with VOR
3	SM-15-00009-GAZII-E-C-006	GAZII	Replace Pad-Mount Transformer by Pole Mount Transformer	May 8, 2016	Site Instructions	with VOR
4	SM-15-00009-GAZII-E-C-007	GAZII	Elimination of Reservoir Internal Coating	May 17, 2016	Site Instructions	with VOR to be closed
5	SM-15-00009-MAN-E-C-008	MAN	Modified Layout for Ma'an No.02 Reservoir	May 18, 2016	Site Instructions	with VOR
7	SM-15-00009-BER-E-C-009	BER	Third-Party Test Reports for Al Berkah Reservoir	May 29, 2016	Other	
6	SM-15-00009-MAN-E-C-010	MAN	Third-Party Test Reports for Ma'an Reservoir	May 29, 2016	Other	
8	SM-15-00009-BER-E-C-011	BER	Al Berkah Reservoir Concrete Foundation - Non Compliance Concrete Temperature	June 6, 2016	Record of Non Quality Compliance	
9	SM-15-00009-BER-E-C-012	BER	Third-Party Test Reports for Al Berkah Reservoir	June 14, 2016	Other	
7	SM-15-00009-MAN-E-C-013	MAN	Third-Party Test Reports for Ma'an Reservoir	June 14, 2016	Other	
~~8~~	~~SM-15-00009-MAN-E-C-014~~	~~MAN~~	~~Concrete Compressive Strength for Reservoir Foundation~~	~~June 28, 2016~~	~~Record of Non Quality Compliance~~	~~Retracted by CMC~~
9	SM-15-00009-MAN-E-C-015	MAN	Third-Party Test Reports - Unsatisfactory Test Result for Ma'an Reservoir	July 24, 2016	Record of Non Quality Compliance	To be Closed
10	SM-15-00009-BER-E-C-016	BER	Response on SM-15-00009-BER-C-E-001 (Response on SM-15-00009-BER-E-C-116 after 07-days)	July 27, 2016	Record of Non Quality Compliance	
11	SM-15-00009-BER-E-C-017	BER	Response on SM-15-00009-BER-C-E-002 (Response on SM-15-00009-BER-E-C-011 after 28-days)	July 27, 2016	Record of Non Quality Compliance	
12	SM-15-00009-GAZII-E-C-018	GAZII	Power Issues at Al Berkah and Ma'an Site Offices - Non Compliance	July 28, 2016	Site Instruction, Record of Unsatisfactory Work Practice	
13	SM-15-00009-BER-E-C-019	BER	Third-Party Test Reports for Al Berkah Reservoir	August 1, 2016	Other	
14	SM-15-00009-BER-E-C-020	BER	Third-Party Test Reports for Al Berkah Reservoir	September 5, 2016	Other	
15	SM-15-00009-MAN-E-C-021	MAN	Third-Party Test Reports for Ma'an Reservoir	September 5, 2016	Other	
16	SM-15-00009-GAZII-E-C-022	GAZII	Alternative Material for Epoxy Coating	September 22, 2016	Site Instructions	
17	SM-15-00009-MAN-E-C-023	MAN	Third-Party Test Reports for Ma'an Reservoir	September 26, 2016	Other	

SITE MEMOS LOG_TO CONTRACTOR

No.	SM No.	Project	Description	Sent Date	Type	Remarks
1	SM-15-00009-BER-C-E-001	BER	Response on SM-15-00009-BER-E-C-011	June 13, 2016	Record of Non Quality Compliance	
2	SM-15-00009-BER-C-E-002	BER	Response on SM-15-00009-BER-E-C-011 after 28-days	July 25, 2016	Record of Non Quality Compliance	
3	SM-15-00009-GAZII-C-E-003	GAZII	Response on SM-15-00009-GAZII-E-C-018	August 7, 2016	Site Instruction, Record of Unsatisfactory Work Practice	

Annex F - Inspection Request Log

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
1	IR-15-00009-BER-001-A	A	Installation of Project Temporary Sign at AL Berkah Site	January 5, 2016	January 6, 2016	A		
2	IR-15-00009-BER-002-A	A	Inspect Engineer's Primary Field Office Furniture (Attached Check List & Selescted Photos) at Primary Field Office	January 12, 2016	January 12, 2016	A		
3	IR-15-00009-BER-003-A	A	Inspect the Storage Yard (Attached Check List & Selescted Photos) at AL Berkah Storage Yard	January 14, 2016	January 14, 2016	A		
4	IR-15-00009-BER-004-A	A	Inspect Field Office Computer Systems and Miscellaneous (Attached Check List & Selescted Photos) at Al Berkah Site	January 18, 2016	January 18, 2016	A		
5	IR-15-00009-BER-005-A	A	Reservoir Drain Pipe & Fittings	March 10, 2016	March 13, 2016	C		
6	IR-15-00009-BER-005-B	B	Reservoir Drain Pipe & Fittings	March 24, 2016	March 24, 2016	A		
7	IR-15-00009-BER-006-A	A	Traffic Plan in Al Berkah Site	March 27, 2016	March 27, 2016	A		
8	IR-15-00009-BER-007-A	A	Excavation for Retaining wall from segment 8 to segment 9 to the required design level	March 28, 2016	March 28, 2016	A		
9	IR-15-00009-BER-008-A	A	Formation level for Retaining wall from segment 8 to segment 9.	March 31, 2016	March 31, 2016	A		
10	IR-15-00009-BER-009-A	A	Excavation for Retaining wall for segments (5, 6, 7 and 8) to the required design level	April 3, 2016	April 4, 2016	A		
11	IR-15-00009-BER-010-A	A	Survey Grid after Site Cleaning and Grubbing	April 4, 2016	April 4, 2016	A		
12	IR-15-00009-BER-011-A	A	Excavation for Retaining wall for segments (1, 2, 3 and 4) to the required design level	April 12, 2016	April 13, 2016	A		
13	IR-15-00009-BER-012-A	A	Excavation reduced level and compaction at Al Berkah retaining wall from segment 1 to segment 3	April 14, 2016	April 14, 2016	A		
14	IR-15-00009-BER-013-A	A	Expandable Water Stop, Water Stop (150mm, 250mm) and Perforated Pipes	April 14, 2016	April 14, 2016	A		
15	IR-15-00009-BER-014-A	A	Formation level and compaction for base course layer at Al Berkah retaining wall – For segments (1,2,3) steps No.2,3,4 & 5	April 17, 2016	April 18, 2016	A		
16	IR-15-00009-BER-015-A	A	• Plassim merdidur pipes PN16 (32mm, 50mm, 75mm and 110mm) • Connection joint PN16 (32mm, 50mm, 75mm and 110mm) • PVC Coupler (PVC/GV pipe) (32mm, 50mm and 75MM) • PVC Reducer 90/75mm & 63/50mm • PVC long radius elbow (32mm and 50mm)	April 20, 2016	April 21, 2016	A		
17	IR-15-00009-BER-016.-A	A	Formation level and compaction for base course layer at Al Berkah retaining wall – For segments (1-4)	April 23, 2016	April 24, 2016	A		
18	IR-15-00009-BER-017.-A	A	Casting retaining wall's plain concrete for Segment (1-2, 2-3 & 3-4)	April 25, 2016	April 26, 2016	A		
19	IR-15-00009-BER-018.-A	A	• Wooden Strip 10cm X 2.50cm. • Plywood 2.44cm X 60cm X 2cm (thick). • Black thick simple sheet 0.5 mm thick.	April 25, 2016	April 26, 2016	A		
20	IR-15-00009-BER-019.-A	A	Casting concrete for the foundation of retaining wall for segment (1-2 & 2-3)	April 28, 2016	April 28, 2016	A		
21	IR-15-00009-BER-020.-A	A	Trial Electro-Fusion welding for HDPE 160 mm pipes for drain pipes.	April 28, 2016	April 28, 2016	A		
22	IR-15-00009-BER-021.-A	A	Subgrade compaction and leveling of the excavated area for RW foundation part of segment (3-4) .	May 1, 2016	May 2, 2016	A		
23	IR-15-00009-BER-022.-A	A	Base Coarse compaction and formation level RW foundation part of segment (3-4).	May 1, 2016	May 2, 2016	A		
24	IR-15-00009-BER-023.-A	A	Casting plain concrete for RW foundation part of segment (3-4).	May 1, 2016	May 2, 2016	A		
25	IR-15-00009-BER-024.-A	A	Shuttering for RW foundation part of segment (2-3) and segment (3-4).	May 2, 2016	May 3, 2016	C		
26	IR-15-00009-BER-024-B	B	Shuttering for RW foundation part of segment (2-3) and segment (3-4).	May 2, 2016	May 3, 2016	A		
27	IR-15-00009-BER-025.-A	A	Reinforcement works and casting for RW foundation part of segment (2-3) and segment (3-4).	May 2, 2016	May 3, 2016	C		
28	IR-15-00009-BER-025-B	B	Reinforcement works and casting for RW foundation part of segment (2-3) and segment (3-4).	May 3, 2016	May 4, 2016	A		
29	IR-15-00009-BER-026-A	A	Actions taken by contractor of the CMC environmental checklist for the month of March	May 8, 2016	May 9, 2016	A		
30	IR-15-00009-BER-027-A	A	Compaction for the existing soil under reservoir foundation	May 8, 2016	May 9, 2016	A		
31	IR-15-00009-BER-028-A	A	Backfilling and compaction the first layer with clean sand stocked on site under the reservoir foundation.	May 9, 2016	May 10, 2016	A		
32	IR-15-00009-BER-029-A	A	Backfilling and compaction the second layer with clean sand stocked on site under the reservoir	May 10, 2016	May 10, 2016	A		
33	IR-15-00009-BER-030-A	A	Pressure test for the drain pipes.	May 11, 2016	May 11, 2016	C		
34	IR-15-00009-BER-030-B	A	Pressure test for the drain pipes.	May 23, 2016	May 24, 2016	A		
35	IR-15-00009-BER-031-A	A	Backfilling and compaction the third layer with clean sand stocked on site under the reservoir foundation.	May 11, 2016	May 12, 2016	A		

A = No Exceptions Noted
B = Exceptions Noted
E = Record Copy
C = Returned For Correction
D = Not Acceptable

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
36	IR-15-00009-BER-032-A	A	• Fence Posts G.S tube 80X40X1.8 L = 3m • Fence bracing G.S tube 80X40X1.8 L = 3m • Fence Corner 120X120X4, L = 3m	May 12, 2016	May 12, 2016	A		
37	IR-15-00009-BER-033-A	A	Shuttering for the first face of RW (Walls) for segments (1-2) and (3-4)	May 12, 2016	May 12, 2016	A		
38	IR-15-00009-BER-034-A	A	Excavation works for drain pipe and perforated pipes under reservoir	May 12, 2016	May 12, 2016	A		
39	IR-15-00009-BER-035-A	A	Steel Rebar for RW (Walls) for segments (1-2) and (3-4).	May 12, 2016	May 14, 2016	A		
40	IR-15-00009-BER-036-A	A	Shuttering formwork for the second face for RW (Walls) for segments (1-2) and (3-4).	May 15, 2016	May 16, 2016	A		
41	IR-15-00009-BER-037-A	A	Concrete casting for RW (Walls) for parts of segments (1-2) and (3-4).	May 16, 2016	May 16, 2016	A		
42	IR-15-00009-BER-038-A	A	Casting concrete for drain pipes encasement	May 17, 2016	May 18, 2016	A		
43	IR-15-00009-BER-039-A	A	Shuttering formwork for the second face for RW (Walls) for part of segment (2-3)	May 17, 2016	May 18, 2016	A		
44	IR-15-00009-BER-040-A	A	Concrete casting for RW (Walls) for part of segments (2-3).	May 17, 2016	May 18, 2016	A		
45	IR-15-00009-BER-041-A	A	Shuttering the first face of RW walls for parts (E, G) of segment (2-3) & (B, D) of segment (3-4).	May 19, 2016	May 19, 2016	A		
46	IR-15-00009-BER-042-A	A	Installation of perforated pipes under Al Berkah reservoir	May 19, 2016	May 19, 2016	A		
47	IR-15-00009-BER-043-A	A	Steel reinforcement of RW walls for parts (E, G) of segment (2-3) & (B, D) of segment (3-4).	May 19, 2016	May 19, 2016	A		
48	IR-15-00009-BER-044-A	A	Shuttering the second face of RW walls for parts (E, G) of segment (2-3) & (B, D) of segment (3-4).	May 21, 2016	May 21, 2016	A		
49	IR-15-00009-BER-045-A	A	Casting concrete for RW walls for parts (E, G) of segment (2-3) & (B, D) of segment (3-4).	May 21, 2016	May 22, 2016	A		
50	IR-15-00009-BER-046-A	A	Leveling and taking samples for compaction test for the fourth layer under reservoir foundation	May 21, 2016	May 22, 2016	A		
51	IR-15-00009-BER-047-A	A	Actions taken by contractor of the CMC environmental checklist for the month of April.	May 22, 2016	May 23, 2016	A		
52	IR-15-00009-BER-048-A	A	Casting plain concrete under Al Berkah reservoir	May 22, 2016	May 22, 2016	A		
53	IR-15-00009-BER-049-A	A	Shuttering the first face of RW walls for parts (A, C) of segment (2-3) & (E) of segment (3-4).	May 24, 2016	May 24, 2016	A		
54	IR-15-00009-BER-050-A	A	Reinforcement works of RW walls for parts (A, C) of segment (2-3) & (E) of segment (3-4).	May 24, 2016	May 24, 2016	A		
55	IR-15-00009-BER-051-A	A	Shuttering works of RW walls for parts (C) of segment (1-2)	May 24, 2016	May 25, 2016	A		
56	IR-15-00009-BER-052-A	A	Reinforcement works of RW walls for parts (C) of segment (1-2)	May 24, 2016	May 25, 2016	A		
57	IR-15-00009-BER-053-A	A	Shuttering the second face of RW walls for: • Part (C) of segment (1-2). • Part (A, C) of segment (2-3). • Part (E) of segment (3-4).	May 25, 2016	May 26, 2016	A		
58	IR-15-00009-BER-054-A	A	Casting concrete for RW walls: • Part (C) of segment (1-2). • Part (A, C) of segment (2-3). • Part (E) of segment (3-4).	May 26, 2016	May 26, 2016	A		
59	IR-15-00009-BER-055-A	A	Shuttering for reservoir's foundation	May 29, 2016	May 29, 2016	A		
60	IR-15-00009-BER-056-A	A	Shuttering for RW (walls) for parts (B, D) of segment (1-2) & (B, D) of segment (2-3).	May 29, 2016	May 30, 2016	A		
61	IR-15-00009-BER-057-A	A	Steel reinforcement for RW (walls) for parts (B, D) of segment (1-2) & (B, D) of segment (2-3).	May 29, 2016	May 30, 2016	A		
62	IR-15-00009-BER-058-A	A	Steel reinforcement for the bottom layer for the reservoir foundation	May 30, 2016	May 30, 2016	A		
63	IR-15-00009-BER-059-A	A	Primer coating for the external face of RW (walls and foundations) for parts (A, B, C, D) of segment (3-4) and parts (E, F, G) of segment (2-3)	May 31, 2016	May 31, 2016	C		
64	IR-15-00009-BER-059-B	B	Primer coating for the external face of RW (walls and foundations) for parts (A, B, C, D) of segment (3-4) and parts (E, F, G) of segment (2-3)	June 1, 2016	June 2, 2016	A		

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
65	IR-15-00009-BER-060-A	A	Shuttering the second face for RW (walls) for parts (B, D) of segment (1-2) & (B, D) of segment (2-3).	June 1, 2016	June 2, 2016	A		
66	IR-15-00009-BER-061-A	A	Casting concrete for RW (walls) for parts (B, D) of segment (1-2) & (B, D) of segment (2-3).	June 1, 2016	June 2, 2016	A		
67	IR-15-00009-BER-062-A	A	First layer of hot Bitumen for walls and footings for part (E, F, G) of segment (2-3) and part (A, B, C, D) of segment (3-4)	June 2, 2016	June 2, 2016	A		
68	IR-15-00009-BER-063-A	A	Bitumen finish layer for walls and footings for part (E, F, G) of segment (2-3) and part (A, B, C, D) of segment (3-4)	June 4, 2016	June 5, 2016	C		
69	IR-15-00009-BER-063-B	B	Bitumen finish layer for walls and footings for part (E, F, G) of segment (2-3) and part (A, B, C, D) of segment (3-4)	June 8, 2016	June 8, 2016	A		
70	IR-15-00009-BER-064-A	A	Start Backfilling with Clean Sand for the External Side of RW for Parts (E, F, G) of Segment (2-3) and Parts (A, B, C, D, E) of Segment (3-4) at Al Berkah Construction Site	June 4, 2016	June 4, 2016	C		
71	IR-15-00009-BER-064-B	B	Start Backfilling with Clean Sand for the External Side of RW for Parts (E, F, G) of Segment (2-3) and Parts (A, B, C, D, E) of Segment (3-4) at Al Berkah Construction Site	June 9, 2016	June 9, 2016	A		
72	IR-15-00009-BER-065-A	A	Steel reinforcement, installation of water stop and electrical installation for Al Berkah reservoir foundation.	June 5, 2016	June 5, 2016	A		
73	IR-15-00009-BER-066-A	A	Casting concrete for Al Berkah reservoir foundation	June 5, 2016	June 5, 2016	A		
74	IR-15-00009-BER-067-A	A	Shuttering the first face for RW (walls) for part (E) of segment (1-2).	June 6, 2016	June 6, 2016	A		
75	IR-15-00009-BER-068-A	A	Steel Reinforcement for RW (walls) for part (E) of segment (1-2).	June 6, 2016	June 6, 2016	A		
76	IR-15-00009-BER-069-A	A	Shuttering the second face for RW (walls) for part (E) of segment (1-2)	June 7, 2016	June 7, 2016	A		
77	IR-15-00009-BER-070-A	A	Casting Concrete for RW (walls) for part (E) of segment (1-2).	June 7, 2016	June 7, 2016	A		
78	IR-15-00009-BER-071-A	A	Start primer coating for the internal face of RW (walls and foundations) for parts (A, B, C) of segment (1-2) and parts (A, B, C, D) of segment (2-3)	June 8, 2016	June 8, 2016	A		
79	IR-15-00009-BER-072-A	A	Start furnish primer layer for the external side of walls and footings for parts (A, B, C) of segment (2-3) at Al Berkah construction site	June 9, 2016	June 9, 2016	A		
80	IR-15-00009-BER-073-A	A	Start bitumen for the internal side of walls and footings for parts (A, B, C) of segment (1-2) and parts (A, B, C, D) of segment (2-3) at Al Berkah Construction Site.	June 11, 2016	June 11, 2016	A		
81	IR-15-00009-BER-074-A	A	Start furnish a hot bitumen (60/70) layer for the external side of walls and footings for parts (A, B, C) of segment (2-3) at Al Berkah construction site.	June 12, 2016	June 12, 2016	A		
82	IR-15-00009-BER-075-A	A	Start primer coating for the external side of RW (walls and foundations) for parts (A, B, C, D, E) of segment (1-2) and internal side of parts (D, E) for segment (1-2) at Al Berkah Construction Site.	June 13, 2016	June 14, 2016	A		
83	IR-15-00009-BER-076-A	A	Compaction for the subgrade layer (5 points) at Al Berkah construction site	June 14, 2016	June 14, 2016	A		
84	IR-15-00009-BER-077-A	A	Start Bitumen coating for the external side of RW (walls and foundations) for parts (A, B, C, D, E) of segment (1-2) and internal side of parts (D, E) for segment (1-2) at Al Berkah Construction Site	June 15, 2016	June 15, 2016	A		
85	IR-15-00009-BER-078-A	A	Compaction on layer (5 points) according to the attached drawing at Al Berkah construction site.	June 16, 2016	June 16, 2016	A		
86	IR-15-00009-BER-079-A	A	Compaction on layer (5 points) according to the attached drawing at Al Berkah construction site.	June 16, 2016	June 16, 2016	A		
87	IR-15-00009-BER-080-A	A	Start Backfilling for External Side of RW for Segment (1-2) + Segment (2-3), Parts (A, B, C, D) at Al Berkah Construction Site	June 18, 2016	June 21, 2016	C		
88	IR-15-00009-BER-080-B	B	Start Backfilling for External Side of RW for Segment (1-2) + Segment (2-3), Parts (A, B, C, D) at Al Berkah Construction Site	June 21, 2016	June 21, 2016	A		
89	IR-15-00009-BER-081-A	A	Compaction on layer (4 points) according to the attached drawing at Al Berkah construction site.	June 18, 2016	June 18, 2016	A		
90	IR-15-00009-BER-082-A	A	Casting concrete for the guard house blinding at Al Berkah construction site.	June 19, 2016	June 19, 2016	A		
91	IR-15-00009-BER-083-A	A	Casting concrete for the Electrical & Control Room blinding at Al Berkah construction site.	June 19, 2016	June 19, 2016	C		
92	IR-15-00009-BER-083-B	B	Casting concrete for the Electrical & Control Room blinding at Al Berkah construction site.	June 26, 2016	June 26, 2016	C		
93	IR-15-00009-BER-083-C	C	Casting concrete for the Electrical & Control Room blinding at Al Berkah construction site.	July 2, 2016	July 3, 2016	A		
94	IR-15-00009-BER-084-A	A	Compaction on layer (2 points) according to the attached drawing at Al Berkah construction site.	June 19, 2016	June 19, 2016	A		

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
95	IR-15-00009-BER-085-A	A	Compaction on layer (3 points) according to the attached drawing at Al Berkah construction site.	June 20, 2016	June 21, 2016	A		
96	IR-15-00009-BER-086-A	A	Actions taken by contractor of the CMC environmental checklist for the month of May 2016 at Al Berkah Construction Site.	June 21, 2016	June 21, 2016	A		
97	IR-15-00009-BER-087-A	A	Compaction on layer (3 points) according to the attached drawing at Al Berkah construction site.	June 21, 2016	June 21, 2016	C		
98	IR-15-00009-BER-087-B	B	Compaction on layer (3 points) according to the attached drawing at Al Berkah construction site.	June 22, 2016	June 22, 2016	A		
99	IR-15-00009-BER-088-A	A	Shuttering works for the Guard House foundation at Al Berkah construction site	June 26, 2016	June 26, 2016	A		
100	IR-15-00009-BER-089-A	A	Steel reinforcement works for the Guard House foundation at Al Berkah construction site	June 26, 2016	June 26, 2016	C		
101	IR-15-00009-BER-089-B	B	Steel reinforcement works for the Guard House foundation at Al Berkah construction site	June 28, 2016	June 28, 2016	A		
102	IR-15-00009-BER-090-A	A	Electrical installation and mechanical installation for the Guard House foundation at Al Berkah construction site	June 26, 2016	June 26, 2016	C		
103	IR-15-00009-BER-090-B	B	Electrical installation and mechanical installation for the Guard House foundation at Al Berkah construction site	June 28, 2016	June 28, 2016	A		
104	IR-15-00009-BER-091-A	A	Casting Concrete for the Guard House foundation at Al Berkah construction site.	June 26, 2016	June 26, 2016	C		
105	IR-15-00009-BER-091-B	B	Casting Concrete for the Guard House foundation at Al Berkah construction site.	June 28, 2016	June 28, 2016	A		
106	IR-15-00009-BER-092-A	A	Deep Compaction test (3 points) according to the attached drawing at Al Berkah construction site	June 30, 2016	June 30, 2016	A		
107	IR-15-00009-BER-093-A	A	Shuttering the first face of quarters (A, B) of the first layer for the reservoir's walls at Al Berkah construction site	July 4, 2016	July 4, 2016	A		
108	IR-15-00009-BER-094-A	A	Shuttering the first face for the Guard House walls at Al Berkah construction site	July 10, 2016	July 10, 2016	A		
109	IR-15-00009-BER-095-A	A	Shuttering the Electrical & Control Room foundation at Al Berkah construction site	July 10, 2016	July 11, 2016	C		
110	IR-15-00009-BER-095-B	B	Shuttering the Electrical & Control Room foundation at Al Berkah construction site	July 13, 2016	July 13, 2016	A		
111	IR-15-00009-BER-096-A	A	Steel reinforcement for the Electrical & Control Room foundation at Al Berkah construction site	July 10, 2016	July 11, 2016	C		
112	IR-15-00009-BER-096-B	B	Steel reinforcement for the Electrical & Control Room foundation at Al Berkah construction site	July 13, 2016	July 13, 2016	A		
113	IR-15-00009-BER-097-A	A	Electrical installation for the Electrical & Control Room foundation at Al Berkah construction site	July 10, 2016	July 11, 2016	C		
114	IR-15-00009-BER-097-B	B	Electrical installation for the Electrical & Control Room foundation at Al Berkah construction site	July 13, 2016	July 13, 2016	A		
115	IR-15-00009-BER-098-A	A	Casting concrete for Electrical & Control Room foundation at Al Berkah construction site	July 11, 2016	July 11, 2016	C		
116	IR-15-00009-BER-098-B	B	Casting concrete for Electrical & Control Room foundation at Al Berkah construction site	July 13, 2016	July 14, 2016	A		
117	IR-15-00009-BER-099-A	A	PP-R Pipes and fittings at Al Berkah Storage Yard.	July 11, 2016	July 11, 2016	C		
118	IR-15-00009-BER-099-B	B	PP-R Pipes and fittings at Al Berkah Storage Yard.	July 14, 2016	July 14, 2016	A		
119	IR-15-00009-BER-100-A	A	Steel reinforcement for the Guard House walls at Al Berkah construction site.	July 12, 2016	July 12, 2016	A		
120	IR-15-00009-BER-101-A	A	Electrical conduit and pre-installation for the Guard House walls at Al Berkah construction site	July 12, 2016	July 12, 2016	A		
121	IR-15-00009-BER-102-A	A	Mechanical pre-installation for the Guard House walls at Al Berkah construction site	July 12, 2016	July 12, 2016	A		
122	IR-15-00009-BER-103-A	A	Stainless steel spools as shown in attached list at Al Berkah Storage Yard.	July 12, 2016	July 13, 2016	C		
123	IR-15-00009-BER-103-B	B	Stainless steel spools as shown in attached list at Al Berkah Storage Yard.	July 18, 2016	July 18, 2016	A		
124	IR-15-00009-BER-104-A	A	Welding water stop for the reservoir's walls at Al Berkah Construction Site	July 12, 2016	July 13, 2016	C		

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Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
125	IR-15-00009-BER-104-B	B	Welding water stop for the reservoir's walls at Al Berkah Construction Site	July 13, 2016	July 13, 2016	C		
126	IR-15-00009-BER-104-C	C	Welding water stop for the reservoir's walls at Al Berkah Construction Site	July 16, 2016	July 16, 2016	A		
127	IR-15-00009-BER-105-A	A	Actions taken by contractor of the CMC environmental checklist for the month of June 2016 at Al Berkah Construction Site.	July 13, 2016	July 14, 2016	A		
128	IR-15-00009-BER-106-A	A	Steel reinforcement for quarters (A, B) of the first layer for the reservoir's walls at Al Berkah construction site.	July 16, 2016	July 17, 2016	A		
129	IR-15-00009-BER-107-A	A	Shuttering second face for the Guard House walls at Al Berkah construction site.	July 17, 2016	July 18, 2016	A		
130	IR-15-00009-BER-108-A	A	Casting concrete for the Guard House walls at Al Berkah construction site.	July 17, 2016	July 18, 2016	A		
131	IR-15-00009-BER-109-A	A	Mechanical & electrical pre-installation for reservoir walls of the first layer quarters (A, B) at Al Berkah Construction Site	July 17, 2016	July 18, 2016	A		
132	IR-15-00009-BER-110-A	A	Installation expandable water stop for reservoir walls of the first layer quarters (B) at Al Berkah Construction Site	July 17, 2016	July 17, 2016	A		
133	IR-15-00009-BER-111-A	A	Testing for the welded PP-R Pipes and fittings for disinfection building at Al Berkah Storage Yard	July 18, 2016	July 18, 2016	C		
134	IR-15-00009-BER-111-B	B	Testing for the welded PP-R Pipes and fittings for disinfection building at Al Berkah Storage Yard	July 19, 2016	July 19, 2016	A		
135	IR-15-00009-BER-112-A	A	Installation expandable water stop for reservoir walls of the first layer quarter (A) at Al Berkah Construction Site	July 19, 2016	July 19, 2016	A		
136	IR-15-00009-BER-113-A	A	Shuttering the second face of quarters (B) of the first layer for the reservoir's walls at Al Berkah construction site	July 19, 2016	July 20, 2016	A		
137	IR-15-00009-BER-114-A	A	Casting concrete for quarter (B) of the first layer for the reservoir's walls at Al Berkah construction site	July 20, 2016	July 20, 2016	A		
138	IR-15-00009-BER-115-A	A	Shuttering the second face of quarters (A) of the first layer for the reservoir's walls at Al Berkah construction site.	July 20, 2016	July 21, 2016	A		
139	IR-15-00009-BER-116-A	A	Casting concrete for quarter (A) of the first layer for the reservoir's walls at Al Berkah construction site	July 21, 2016	July 21, 2016	A		
140	IR-15-00009-BER-117-A	A	Steel reinforcement for the reservoir's columns (9 columns, first level "6.60 m") at Al Berkah construction site.	July 21, 2016	July 21, 2016	A		
141	IR-15-00009-BER-118-A	A	Concrete encasement for the PP-R pipes under Disinfection Building at Al Berkah construction site	July 21, 2016	July 21, 2016	A		
142	IR-15-00009-BER-119-A	A	Shuttering the first face of quarter (D) of the first level for the reservoir's walls at Al Berkah construction site	July 25, 2016	July 26, 2016	A		
143	IR-15-00009-BER-120-A	A	Steel reinforcement for quarters (D) of the first layer for the reservoir's walls at Al Berkah construction site.	July 25, 2016	July 26, 2016	A		
144	IR-15-00009-BER-121-A	A	Mechanical & electrical pre-installation for reservoir walls of the first level quarter (D) at Al Berkah Construction Site	July 25, 2016	July 26, 2016	A		
145	IR-15-00009-BER-122-A	A	Installation expandable water stop for reservoir walls of the first layer quarter (D) at Al Berkah Construction Site	July 25, 2016	July 26, 2016	A		
146	IR-15-00009-BER-123-A	A	Shuttering the first face of quarter (C) of the first level for the reservoir's walls at Al Berkah construction site.	July 26, 2016	July 27, 2016	A		
147	IR-15-00009-BER-124-A	A	Steel reinforcement for quarters (C) of the first layer for the reservoir's walls at Al Berkah construction site.	July 26, 2016	July 27, 2016	A		
148	IR-15-00009-BER-125-A	A	Mechanical & electrical pre-installation for reservoir walls of the first level quarter (C) at Al Berkah Construction Site	July 26, 2016	July 27, 2016	A		
149	IR-15-00009-BER-126-A	A	Installation expandable water stop for reservoir walls of the first layer quarter (C) at Al Berkah Construction Site	July 26, 2016	July 27, 2016	A		
150	IR-15-00009-BER-127-A	A	Shuttering the second face of quarter (D) of the first layer for the reservoir's walls at Al Berkah construction site.	July 27, 2016	July 27, 2016	A		
151	IR-15-00009-BER-128-A	A	Casting concrete for quarter (D) of the first layer for the reservoir's walls at Al Berkah construction site.	July 28, 2016	July 28, 2016	A		
152	IR-15-00009-BER-129-A	A	Casting plain concrete for the disinfection building at Al Berkah Construction Site.	July 27, 2016	July 28, 2016	A		
153	IR-15-00009-BER-130-A	A	Shuttering the second face of quarter (C) of the first layer for the reservoir's walls at Al Berkah construction site	July 30, 2016	July 31, 2016	A		
154	IR-15-00009-BER-131-A	A	Casting concrete for quarter (C) of the first layer for the reservoir's walls at Al Berkah construction site	July 31, 2016	July 31, 2016	A		

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
155	IR-15-00009-BER-132-A	A	Shuttering and Axis for First Level of Reservoir's Columns (Columns: 3, 6 & 9) at Al Berkah Construction Site	August 1, 2016	August 2, 2016	A		
156	IR-15-00009-BER-133-A	A	Shuttering for electrical and control building ditches at Al Berkah Construction Site	August 3, 2016	August 4, 2016	A		
157	IR-15-00009-BER-134-A	A	Steel reinforcement for electrical and control building ditches at Al Berkah Construction Site.	August 3, 2016	August 4, 2016	A		
158	IR-15-00009-BER-135-A	A	Mechanical and Electrical installation for electrical and control building ditches at Al Berkah Construction Site.	August 3, 2016	August 4, 2016	A		
159	IR-15-00009-BER-136-A	A	Shuttering for disinfection building foundation at Al Berkah Construction Site.	August 3, 2016	August 4, 2016	A		
160	IR-15-00009-BER-137-A	A	Steel reinforcement for disinfection building foundation at Al Berkah Construction Site.	August 3, 2016	August 4, 2016	A		
161	IR-15-00009-BER-138-A	A	Mechanical and electrical installation for disinfection building foundation at Al Berkah Construction Site	August 3, 2016	August 4, 2016	A		
162	IR-15-00009-BER-139-A	A	Casting Concrete for first level of reservoir's columns (Columns: 3, 6 & 9) at Al Berkah construction site	August 4, 2016	August 4, 2016	A		
163	IR-15-00009-BER-140-A	A	Casting concrete for electrical and control building ditches at Al Berkah Construction Site.	August 4, 2016	August 4, 2016	A		
164	IR-15-00009-BER-141-A	A	Casting concrete for disinfection building foundation at Al Berkah Construction Site.	August 4, 2016	August 4, 2016	A		
165	IR-15-00009-BER-142-A	A	Shuttering for first level of reservoir's columns (Columns: 1, 2, 4, 5, 7 & 8) at Al Berkah construction site.	August 6, 2016	August 7, 2016	A		
166	IR-15-00009-BER-143-A	A	Casting for first level of reservoir's columns (Columns: 1, 2, 4, 5, 7 & 8) at Al Berkah construction site	August 7, 2016	August 7, 2016	A		
167	IR-15-00009-BER-144-A	A	Internal Bitumen coating for Guard house foundation at Al Berkah construction site	August 7, 2016	August 7, 2016	A		
168	IR-15-00009-BER-145-A	A	Actions taken by contractor of the CMC environmental checklist for the month of July 2016 at Al Berkah Construction Site	August 7, 2016	August 9, 2016	C		
169	IR-15-00009-BER-145-B	B	Actions taken by contractor of the CMC environmental checklist for the month of July 2016 at Al Berkah Construction Site	August 14, 2016	August 16, 2016	A		
170	IR-15-00009-BER-146-A	A	Shuttering the first face of quarters (B) of the second level for the reservoir's walls at Al Berkah construction site	August 8, 2016	August 9, 2016	A		
171	IR-15-00009-BER-147-A	A	Steel reinforcement for quarters (B) of the second layer for the reservoir's walls at Al Berkah construction site	August 8, 2016	August 9, 2016	A		
172	IR-15-00009-BER-148-A	A	Installation expandable water stop for reservoir walls of the second level quarter (B) at Al Berkah Construction Site	August 9, 2016	August 11, 2016	A		
173	IR-15-00009-BER-149-A	A	Shuttering works for quarter (D) of the second layer for the reservoir's walls at Al Berkah construction site	August 10, 2016	August 11, 2016	A		
174	IR-15-00009-BER-150-A	A	Steel reinforcement for quarter (D) of the second layer for the reservoir's walls at Al Berkah construction site.	August 10, 2016	August 11, 2016	A		
175	IR-15-00009-BER-151-A	A	Backfilling inside the Guard House at Al Berkah construction site.	August 10, 2016	August 11, 2016	A		
176	IR-15-00009-BER-152-A	A	Shuttering the second face for quarter (B) of the second layer for the reservoir's walls at Al Berkah construction site.	August 10, 2016	August 11, 2016	A		
177	IR-15-00009-BER-153-A	A	Casting concrete for quarter (B) of the second layer for the reservoir's walls at Al Berkah construction site	August 11, 2016	August 11, 2016	A		
178	IR-15-00009-BER-154-A	A	Compaction test for first layer backfilling inside the Guard House at Al Berkah construction site	August 11, 2016	August 11, 2016	A		
179	IR-15-00009-BER-155-A	A	Casting blinding for internal partition wall inside the Guard House at Al Berkah construction site.	August 11, 2016	August 11, 2016	A		
180	IR-15-00009-BER-156-A	A	Bitumen coating for internal face of electrical and control building foundation at Al Berkah construction site.	August 11, 2016	August 11, 2016	C		
181	IR-15-00009-BER-156-B	B	Bitumen coating for internal face of electrical and control building foundation at Al Berkah construction site.	August 13, 2016	August 14, 2016	A		
182	IR-15-00009-BER-157-A	A	Installation expandable water stop for reservoir walls of the second level quarter (D) at Al Berkah Construction Site	August 13, 2016	August 14, 2016	A		
183	IR-15-00009-BER-158-A	A	Shuttering the second face for quarter (D) of the second layer for the reservoir's walls at Al Berkah construction site	August 13, 2016	August 14, 2016	C		
184	IR-15-00009-BER-158-B	B	Shuttering the second face for quarter (D) of the second layer for the reservoir's walls at Al Berkah construction site	August 14, 2016	August 15, 2016	A		

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
185	IR-15-00009-BER-159-A	A	Shuttering the internal face for Disinfection building walls at Al Berkah construction site	August 14, 2016	August 15, 2016	A		
186	IR-15-00009-BER-160-A	A	Backfilling inside electrical and control building at Al Berkah construction site	August 14, 2016	August 15, 2016	A		
187	IR-15-00009-BER-161-A	A	Casting concrete for quarter (D) of the second layer for the reservoir's walls at Al Berkah construction site	August 15, 2016	August 15, 2016	A		
188	IR-15-00009-BER-162-A	A	Mechanical installation for Disinfection building walls at Al Berkah construction site	August 15, 2016	August 16, 2016	A		
189	IR-15-00009-BER-163-A	A	Electrical installation for Disinfection building walls at Al Berkah construction site	August 16, 2016	August 16, 2016	A		
190	IR-15-00009-BER-164-A	A	Steel reinforcement for Disinfection building walls at Al Berkah construction site	August 16, 2016	August 16, 2016	A		
191	IR-15-00009-BER-165-A	A	Compaction test for backfilling layer inside electrical and control building at Al Berkah construction site	August 16, 2016	August 16, 2016	A		
192	IR-15-00009-BER-166-A	A	Steel reinforcement for the slab on grade for Guard House building at Al Berkah construction site	August 18, 2016	August 18, 2016	A		
193	IR-15-00009-BER-167-A	A	Steel reinforcement for the slab on grade for the electrical and control building at Al Berkah construction site	August 18, 2016	August 18, 2016	A		
194	IR-15-00009-BER-168-A	A	Casting concrete for the slab on grade for Guard House building at Al Berkah construction site	August 20, 2016	August 21, 2016	A		
195	IR-15-00009-BER-169-A	A	Casting concrete for the slab on grade for the electrical and control building at Al Berkah construction site	August 20, 2016	August 21, 2016	A		
196	IR-15-00009-BER-170-A	A	Shuttering second face of disinfection building walls at Al Berkah construction site.	August 21, 2016	August 22, 2016	A		
197	IR-15-00009-BER-171-A	A	Casting concrete of disinfection building walls at Al Berkah construction site.	August 22, 2016	August 22, 2016	A		
198	IR-15-00009-BER-172-A	A	Shuttering works for the first face of quarter (A) of the second layer for the reservoir's walls at Al Berkah construction site.	August 24, 2016	August 24, 2016	A		
199	IR-15-00009-BER-173-A	A	Steel reinforcement for quarter (A) of the second layer for the reservoir's walls at Al Berkah construction site	August 24, 2016	August 24, 2016	A		
200	IR-15-00009-BER-174-A	A	Expandable water stop installation for quarter (A) of the second layer for the reservoir's walls at Al Berkah construction site.	August 25, 2016	August 25, 2016	A		
201	IR-15-00009-BER-175-A	A	Shuttering Works for the First Face of Quarter (C) of the Second Layer for the Reservoir's Walls at Al Berkah Construction Site	August 25, 2016	August 25, 2016	A		
202	IR-15-00009-BER-176-A	A	Steel reinforcement for quarter (C) of the second layer for the reservoir's walls at Al Berkah construction site	August 25, 2016	August 25, 2016	A		
203	IR-15-00009-BER-177-A	A	Shuttering first face for the internal walls of Guard House at Al Berkah construction site	August 25, 2016	August 25, 2016	A		
204	IR-15-00009-BER-178-A	A	Steel reinforcement for the internal walls of Guard House at Al Berkah construction site	August 25, 2016	August 25, 2016	A		
205	IR-15-00009-BER-179-A	A	Electrical and mechanical installation for the internal walls of Guard House at Al Berkah construction site	August 25, 2016	August 25, 2016	A		
206	IR-15-00009-BER-180-A	A	Shuttering the second face for quarter (A) of the second layer for the reservoir's walls at Al Berkah construction site	August 27, 2016	August 28, 2016	A		
207	IR-15-00009-BER-181-A	A	Casting Concrete for quarter (A) of the second layer for the reservoir's walls at Al Berkah construction site	August 28, 2016	August 28, 2016	A		
208	IR-15-00009-BER-182-A	A	Shuttering the Second Face for the Internal Walls of Guard House at Al Berkah Construction Site	August 28, 2016	August 29, 2016	A		
209	IR-15-00009-BER-183-A	A	Steel Reinforcement for the Reservoir's Columns (9 Columns, Second Level "from 5.20m to 10.40m") at Al Berkah Construction Site	August 28, 2016	August 29, 2016	A		
210	IR-15-00009-BER-184-A	A	Expandable water stop installation for quarter (C) of the second layer for the reservoir's walls at Al Berkah construction site.	August 29, 2016	August 29, 2016	A		
211	IR-15-00009-BER-185-A	A	Bitumen coating for internal face of disinfection building foundation at Al Berkah construction site.	August 29, 2016	August 30, 2016	A		
212	IR-15-00009-BER-186-A	A	Shuttering the second face for quarter (C) of the second layer for the reservoir's walls at Al Berkah construction site	August 30, 2016	August 31, 2016	A		
213	IR-15-00009-BER-187-A	A	Casting Concrete for quarter (C) of the second layer for the reservoir's walls at Al Berkah construction site	August 31, 2016	August 31, 2016	A		
214	IR-15-00009-BER-188-A	A	Casting concrete for the internal walls of Guard House at Al Berkah construction site.	August 31, 2016	August 31, 2016	A		

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
215	IR-15-00009-BER-189-A	A	PVC Pipes and fittings as attached in MRR at Al Berkah Storage Yard	August 31, 2016	September 1, 2016	A		
216	IR-15-00009-BER-190-A	A	Backfilling inside disinfection building at Al Berkah construction site	August 31, 2016	September 1, 2016	C		
217	IR-15-00009-BER-190-B	B	Backfilling inside disinfection building at Al Berkah construction site	September 6, 2016	September 7, 2016	A		
218	IR-15-00009-BER-191-A	A	Shuttering for the external face of the Mock up sample of washout precast manhole at Al Berkah Storage Yard.	August 31, 2016	September 1, 2016	C		
220	IR-15-00009-BER-192-A	A	Shuttering for the first face of Electrical and control building walls at Al Berkah Construction Site	September 1, 2016	September 1, 2016	C		
221	IR-15-00009-BER-192-B	B	Shuttering for the first face of Electrical and control building walls at Al Berkah Construction Site	September 4, 2016	September 4, 2016	A		
222	IR-15-00009-BER-193-A	A	Steel reinforcement for Electrical and control building walls at Al Berkah Construction Site	September 4, 2016	September 4, 2016	A		
223	IR-15-00009-BER-194-A	A	Electrical and mechanical installation for Electrical and control building walls at Al Berkah Construction Site	September 4, 2016	September 4, 2016	A		
224	IR-15-00009-BER-195-A	A	Center line for the Supply Line 2 from station (1+9.09) to Station (1+239.39) at Al Berkah Pipeline.	September 4, 2016	September 4, 2016	A		
225	IR-15-00009-BER-196-A	A	Shuttering the first face for quarter (A) of the third layer for the reservoir's walls at Al Berkah construction site.	September 5, 2016	September 6, 2016	A		
226	IR-15-00009-BER-197-A	A	Shuttering second face of electrical & control Building walls at Al Berkah construction site	September 6, 2016	September 6, 2016	A		
227	IR-15-00009-BER-198-A	A	Shuttering for second level of reservoir's columns (9 Columns) at Al Berkah construction site.	September 6, 2016	September 7, 2016	A		
228	IR-15-00009-BER-199-A	A	Shuttering the first face of quarter (C) of the third level for the reservoir's walls at Al Berkah construction site	September 6, 2016	September 7, 2016	A		
229	IR-15-00009-BER-200-A	A	Casting for second level of reservoir's columns (9 Columns) at Al Berkah construction site.	September 7, 2016	September 8, 2016	A		
230	IR-15-00009-BER-201-A	A	Casting concrete of electrical & control building walls at Al Berkah construction site	September 7, 2016	September 8, 2016	A		
231	IR-15-00009-BER-202-A	A	Compaction test for the backfilling layer under the slab on grade for disinfection building at Al Berkah construction site.	September 7, 2016	September 8, 2016	A		
232	IR-15-00009-BER-203-A	A	Steel reinforcement for quarter (A) of the Third layer for the reservoir's walls at Al Berkah construction site.	September 10, 2016	September 10, 2016	A		
233	IR-15-00009-BER-204-A	A	Expandable water stop installation for quarter (A) of the Third layer for the reservoir's walls at Al Berkah construction site.	September 15, 2016	September 15, 2016	A		
234	IR-15-00009-BER-205-A	A	Excavation and pipes installation for Supply Line No. 2 from (1+010.00) to (1+110.00) at Al Berkah Pipeline.	September 18, 2016	September 18, 2016	C		
235	IR-15-00009-BER-205-B	B	Excavation and pipes installation for Supply Line No. 2 from (1+010.00) to (1+110.00) at Al Berkah Pipeline.	September 19, 2016	September 20, 2016	A		
236	IR-15-00009-BER-206-A	A	Safety arrangement prior to start excavation works for Supply line BS2 from ST.1+002.16 to ST.1+763.00 at Al Berkah Pipeline	September 18, 2016	September 18, 2016	A		
237	IR-15-00009-BER-207-A	A	Traffic signs arrangement prior to start excavation works for Supply line BS2 from ST.1+002.16 to ST.1+763.00 at Al Berkah Pipeline	September 18, 2016	September 18, 2016	A		
238	IR-15-00009-BER-208-A	A	Shuttering the second face for quarter (A) of the third layer for the reservoir's walls at Al Berkah construction site.	September 18, 2016	September 19, 2016	A		
239	IR-15-00009-BER-209-A	A	Mechanical installation for quarter (A) of the third layer for the reservoir's walls at Al Berkah construction site.	September 18, 2016	September 19, 2016	A		
240	IR-15-00009-BER-210-A	A	Shuttering the roof slab of guard house building at Al Berkah construction site	September 18, 2016	September 19, 2016	A		
241	IR-15-00009-BER-211-A	A	Electrical and mechanical installation for the roof slab of guard house building at Al Berkah construction site.	September 18, 2016	September 19, 2016	A		
242	IR-15-00009-BER-212-A	A	Shuttering for the slab on grade of disinfection building at Al Berkah construction site.	September 18, 2016	September 19, 2016	A		
243	IR-15-00009-BER-213-A	A	Casting concrete for quarter (A) of the third layer for the reservoir's walls at Al Berkah construction site	September 19, 2016	September 19, 2016	A		
244	IR-15-00009-BER-214-A	A	Excavation, pipes installation and backfilling for Supply Line No. 2 from ST. (1+110.00) to ST. (1+300.00) at Al Berkah Pipeline.	September 20, 2016	September 20, 2016	A		
245	IR-15-00009-BER-215-A	A	Steel reinforcement for the slab on grade of disinfection building at Al Berkah construction site	September 20, 2016	September 21, 2016	A		

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
246	IR-15-00009-BER-216-A	A	Mechanical and electrical installation for the slab on grade of disinfection building at Al Berkah construction site	September 20, 2016	September 21, 2016	A		
247	IR-15-00009-BER-217-A	A	Expandable water stop installation for quarter (C) of the Third layer for the reservoir's walls at Al Berkah construction site	September 20, 2016	September 20, 2016	A		
248	IR-15-00009-BER-218-A	A	Casting concrete for the slab on grade of disinfection building at Al Berkah construction site	September 21, 2016	September 21, 2016	A		
249	IR-15-00009-BER-219-A	A	Casting concrete for the roof slab of guard house building at Al Berkah construction site.	September 21, 2016	September 21, 2016	A		
250	IR-15-00009-BER-220-A	A	Steel reinforcement for quarter (C) of the Third layer for the reservoir's walls at Al Berkah construction site.	September 21, 2016	September 21, 2016	A		
251	IR-15-00009-BER-221-A	A	Excavation, pipes installation and backfilling for Supply Line No. 2 from ST. (1+300.00) to ST. (1+450.00) at Al Berkah Pipeline.	September 21, 2016	September 22, 2016	A		
252	IR-15-00009-BER-222-A	A	Mechanical and electrical installation for quarter (C) of the third layer for the reservoir's walls at Al Berkah construction site.	September 21, 2016	September 21, 2016	A		
253	IR-15-00009-BER-223-A	A	Shuttering the roof slab of electrical and control building at Al Berkah construction site.	September 21, 2016	September 22, 2016	A		
254	IR-15-00009-BER-224-A	A	Steel reinforcement for the roof slab of electrical and control building at Al Berkah construction site	September 21, 2016	September 22, 2016	A		
255	IR-15-00009-BER-225-A	A	Mechanical and electrical pre-installation for the roof slab of electrical and control building at Al Berkah construction site.	September 21, 2016	September 22, 2016	A		
256	IR-15-00009-BER-226-A	A	Shuttering the second face for quarter (C) of the third layer for the reservoir's walls at Al Berkah construction site	September 22, 2016	September 22, 2016	A		
257	IR-15-00009-BER-227-A	A	Casting concrete for quarter (C) of the third layer for the reservoir's walls at Al Berkah construction site	September 24, 2016	September 25, 2016	A		
258	IR-15-00009-BER-228-A	A	Excavation, pipes installation and backfilling for Supply Line No. 2 from ST. (1+450.00) to ST. (1+650.00) at Al Berkah Pipeline	September 24, 2016	September 25, 2016	A		
259	IR-15-00009-BER-229-A	A	Excavation, pipes installation and backfilling for Supply Line No. 2 from ST. (1+650.00) to ST. (1+763.00) at Al Berkah Pipeline	September 25, 2016	September 26, 2016	A		
260	IR-15-00009-BER-230-A	A	Actions taken by contractor of the CMC environmental checklist for the month of August 2016 at Al Berkah Construction Site.	September 25, 2016	September 26, 2016	A		
261	IR-15-00009-BER-231-A	A	Center line for the distribution pipeline 1 from station (1+450.00) to Station (2+226.00) at Al Berkah Pipeline.	September 25, 2016	September 26, 2016	A		
262	IR-15-00009-BER-232-A	A	Excavation, pipes installation and backfilling for Distribution Line No. 1 from ST. (2+226.00) to ST. (2+126.00) at Al Berkah Pipeline	September 26, 2016	September 26, 2016	C		
263	IR-15-00009-BER-232-B	B	Excavation, pipes installation and backfilling for Distribution Line No. 1 from ST. (2+226.00) to ST. (2+126.00) at Al Berkah Pipeline	September 27, 2016	September 27, 2016	A		
264	IR-15-00009-BER-233-A	A	Shuttering the first face of quarter (D) of the third level for the reservoir's walls at Al Berkah construction site	September 26, 2016	September 26, 2016	A		
265	IR-15-00009-BER-234-A	A	Safety arrangement prior to start excavation works for Distribution line BD1 from ST. (2+226.00) to ST. (1+450.00) at Al Berkah Pipeline	September 27, 2016	September 27, 2016	A		
266	IR-15-00009-BER-235-A	A	Traffic signs arrangement prior to start excavation works for Distribution line BD1 from ST. (2+226.00) to ST. (1+450.00) at Al Berkah Pipeline	September 27, 2016	September 27, 2016	A		
267	IR-15-00009-BER-236-A	A	Shuttering the first face of quarter (B) of the third level for the reservoir's walls at Al Berkah construction site	September 27, 2016	September 27, 2016	A		
268	IR-15-00009-BER-237-A	A	Shuttering external face of the guard house building parapet wall at Al Berkah construction site.	September 27, 2016	September 27, 2016	A		
269	IR-15-00009-BER-238-A	A	Steel reinforcement for the guard house building parapet wall at Al Berkah construction site	September 27, 2016	September 27, 2016	A		
270	IR-15-00009-BER-239-A	A	Casting concrete for the roof slab of electrical and control building at Al Berkah construction site	September 28, 2016	September 28, 2016	A		
271	IR-15-00009-BER-240-A	A	Excavation, pipes installation and backfilling for Distribution Line No. 1 from ST. (2+126.00) to ST. (2+000.00) at Al Berkah Pipeline	September 29, 2016	September 29, 2016	A		
272	IR-15-00009-BER-241-A	A	Electrical and mechanical installation for guard house parapet wall at Al Berkah Construction Site.	September 29, 2016	September 29, 2016	A		
273	IR-15-00009-BER-242-A	A	Shuttering the second face for guard house parapet wall at Al Berkah Construction Site	September 29, 2016	September 29, 2016	A		
274	IR-15-00009-BER-243-A	A	Shuttering the roof slab for disinfection building at Al Berkah Construction Site.	September 29, 2016	September 29, 2016	A		
275	IR-15-00009-BER-244-A	A	Steel reinforcement for the roof slab of disinfection building at Al Berkah Construction Site.	September 29, 2016	September 29, 2016	A		

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Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

Al Berkah IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
276	IR-15-00009-BER-245-A	A	Electrical and mechanical installation for the roof slab of disinfection building at Al Berkah Construction Site.	September 29, 2016	September 29, 2016	A		
277	IR-15-00009-BER-246-A	A	Casting concrete for guard house parapet wall at Al Berkah Construction Site	October 1, 2016	October 2, 2016	A		
278	IR-15-00009-BER-247-A	A	Casting concrete for the roof slab of disinfection building at Al Berkah Construction Site	October 1, 2016	October 2, 2016	A		

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Maan IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
1	IR-15-00009-MAN-001-A	A	Installation of the project temporary sign	January 5, 2016	January 6, 2016	A		
2	IR-15-00009-MAN-002-A	A	Inspect Engineer's Secondary Field Office Furniture(Attached Check List & Selescted Photos) at Primary Field Office	January 12, 2016	January 12, 2016	C		
3	IR-15-00009-MAN-002-B	B	Inspect Engineer's Secondary Field Office Furniture(Attached Check List & Selescted Photos) at Primary Field Office	January 18, 2016	January 18, 2016	A		
4	IR-15-00009-MAN-003-A	A	Inspect the Storage Yard (Attached Check List & Selescted Photos) at Ma'an Storage Yard	January 14, 2016	January 14, 2016	A		
5	IR-15-00009-MAN-004-A	A	Inspect Field Office Computer Systems and Miscellaneous (Attached Check List & Selescted Photos) at Al Berkah Site	January 18, 2016	January 18, 2016	A		
6	IR-15-00009-MAN-005-A	A	Demolition of Existing Ware House	February 4, 2016	February 4, 2016	A		
7	IR-15-00009-MAN-006-A	A	Reservoir Drain Pipe & Fittings	March 10, 2016	March 13, 2016	C		
8	IR-15-00009-MAN-006-B	B	Reservoir Drain Pipe & Fittings	March 24, 2016	March 24, 2016	A		
9	IR-15-00009-MAN-007-A	A	Excavation for Ma'an Reservoir foundation to the required design level	March 26, 2016	March 26, 2016	A		
10	IR-15-00009-MAN-008-A	A	Traffic Plan in Ma'an Site	March 27, 2016	March 27, 2016	C		
11	IR-15-00009-MAN-009-A	A	Start lowering the existing pipes under Ma'an reservoir	April 6, 2016	April 7, 2016	A		
12	IR-15-00009-MAN-010-A	A	Expandable Water Stop, Water Stop (150mm, 250mm) and Perforated Pipes	April 14, 2016	April 14, 2016	A		
13	IR-15-00009-MAN-011-A	A	Casting concrete to encasement the water pipeline under reservoir	April 17, 2016	April 18, 2016	A		
14	IR-15-00009-MAN-012-A	A	• Plassim merdidur pipes PN16 (32mm, 50mm, 75mm and 110mm) • Connection joint PN16 (32mm, 50mm, 75mm and 110mm) • PVC Coupler (PVC/GV pipe) (32mm, 50mm and 75MM) • PVC Reducer 90/75mm & 63/50mm • PVC long radius elbow (32mm and 50mm)	April 20, 2016	April 21, 2016	A		
15	IR-15-00009-MAN-013-A	A	• Black thick simple sheet 0.5 mm thick	April 25, 2016	April 26, 2016	A		
16	IR-15-00009-MAN-014-A	A	Excavation and installation of reservoir drain pipes	April 26, 2016	April 27, 2016	C		
17	IR-15-00009-MAN-014-B	B	Excavation and installation of reservoir drain pipes	August 11, 2016	August 11, 2016	A		
18	IR-15-00009-MAN-015-A	A	Trial Electro-Fusion welding for HDPE 160 mm pipes for drain pipes.	April 28, 2016	April 28, 2016	A		
19	IR-15-00009-MAN-016-A	A	Actions taken by contractor of the CMC environmental checklist for the month of March	May 8, 2016	May 9, 2016	A		
20	IR-15-00009-MAN-017-A	A	Backfilling the first layer with Calcareous sand fill under the reservoir foundation	May 9, 2016	May 10, 2016	A		
21	IR-15-00009-MAN-018-A	A	Backfilling and compaction the second layer with calcareous sand under the reservoir foundation	May 10, 2016	May 11, 2016	A		
22	IR-15-00009-MAN-019-A	A	Pressure test for the drain pipes.	May 10, 2016	May 11, 2016	C		
23	IR-15-00009-MAN-019-B	B	Pressure test for the drain pipes.	May 24, 2016	May 24, 2016	A		
24	IR-15-00009-MAN-020-A	A	Excavation works for drain pipe and perforated pipes under reservoir	May 12, 2016	May 12, 2016	A		
25	IR-15-00009-MAN-021-A	A	Installation drain pipe and perforated pipes under reservoir	May 14, 2016	May 14, 2016	A		
26	IR-15-00009-MAN-022-A	A	Casting concrete for drain pipes encasement	May 14, 2016	May 15, 2016	A		
27	IR-15-00009-MAN-023-A	A	Installation of perforated pipes under Ma'an reservoir	May 16, 2016	May 16, 2016	A		
28	IR-15-00009-MAN-024-A	A	Backfilling and compaction the third layer with calcareous sand under the reservoir foundation.	May 17, 2016	May 18, 2016	A		
29	IR-15-00009-MAN-025-A	A	Casting plain concrete under Ma'an reservoir	May 18, 2016	May 19, 2016	A		
30	IR-15-00009-MAN-026-A	A	Actions taken by contractor of the CMC environmental checklist for the month of April.	May 22, 2016	May 23, 2016	A		
31	IR-15-00009-MAN-027-A	A	Shuttering for reservoir foundation	May 22, 2016	May 22, 2016	A		
32	IR-15-00009-MAN-028-A	A	The bottom layer rebar mish for reservoir foundation	May 23, 2016	May 23, 2016	A		
33	IR-15-00009-MAN-029-A	A	Excavation works and Base Coarse layer under Ma'an Retaining Wall at Ma'an Construction Site	May 24, 2016	May 24, 2016	A		
34	IR-15-00009-MAN-030-A	A	Casting plain concrete under Ma'an Retaining Wall	May 24, 2016	May 25, 2016	A		
35	IR-15-00009-MAN-031-A	A	Casting RW foundation for segment (6-6A) & (6-6B)	May 28, 2016	May 29, 2016	A		
36	IR-15-00009-MAN-032-A	A	Steel reinforcement, installation of water stop and electrical installation for reservoir foundation.	May 29, 2016	May 29, 2016	C		
37	IR-15-00009-MAN-032-B	B	Steel reinforcement, installation of water stop and electrical installation for reservoir foundation.	May 29, 2016	May 30, 2016	A		
38	IR-15-00009-MAN-033-A	A	Casting concrete for Ma'an reservoir foundation	May 30, 2016	May 30, 2016	A		
39	IR-15-00009-MAN-034-A	A	Shuttering the first layer for the RW walls for segment (6-6A) & (6-6B)	June 2, 2016	June 2, 2016	A		
40	IR-15-00009-MAN-035-A	A	Steel reinforcement for the RW walls for segment (6-6A) &(6-6B)	June 2, 2016	June 2, 2016	A		
41	IR-15-00009-MAN-036-A	A	Shuttering the second face for the RW walls for segment (6-6A) &(6-6B)	June 5, 2016	June 6, 2016	A		

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Task Order No. : AID-294-TO-15-00009

1916 - 2016 MORGANTI 100 YEARS OF EXCELLENCE

Maan IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
42	IR-15-00009-MAN-037-A	A	Casting concrete for the RW walls for segment (6-6A) &(6-6B)	June 7, 2016	June 7, 2016	A		
43	IR-15-00009-MAN-038-A	A	Shuttering the first face for the RW walls for part (A) of segment (6-6A) part (B) of segment (6-6B)	June 9, 2016	June 9, 2016	A		
44	IR-15-00009-MAN-039-A	A	Steel Reinforcement for the RW walls for part (A) of segment (6-6A) part (B) of segment (6-6B)	June 9, 2016	June 9, 2016	A		
45	IR-15-00009-MAN-040-A	A	Shuttering the second face for the RW walls for part (A) of segment (6-6A) part (B) of segment (6-6B) at Ma'an construction site.	June 12, 2016	June 13, 2016	A		
46	IR-15-00009-MAN-041-A	A	Casting concrete for the RW walls for part (A) of segment (6-6A) part (B) of segment (6-6B) at Ma'an construction site	June 12, 2016	June 13, 2016	A		
47	IR-15-00009-MAN-042-A	A	Start primer coating for the external & internal sides of RW (walls and foundations) for part (A) of segment (6-6B) and parts (A, B, C) for segment (6-6A) at Ma'an Construction Site	June 19, 2016	June 19, 2016	A		
48	IR-15-00009-MAN-043-A	A	Start hot Bitumen (60/70) coating for the external & internal sides of RW (walls and foundations) for part (A) of segment (6-6B) and parts (A, B, C) for segment (6-6A) at Ma'an Construction Site	June 20, 2016	June 20, 2016	C		
49	IR-15-00009-MAN-043-B	B	Start hot Bitumen (60/70) coating for the external & internal sides of RW (walls and foundations) for part (A) of segment (6-6B) and parts (A, B, C) for segment (6-6A) at Ma'an Construction Site	June 21, 2016	June 21, 2016	A		
50	IR-15-00009-MAN-044-A	A	Actions taken by contractor of the CMC environmental checklist for the month of May 2016 at Ma'an Construction Site.	June 21, 2016	June 21, 2016	C		
51	IR-15-00009-MAN-044-B	B	Actions taken by contractor of the CMC environmental checklist for the month of May 2016 at Ma'an Construction Site.	July 13, 2016	July 14, 2016	A		
52	IR-15-00009-MAN-045-A	A	Start backfilling for the external and internal sides of RW at Ma'an Construction Site.	June 22, 2016	June 22, 2016	A		
53	IR-15-00009-MAN-046-A	A	Compaction backfilling layer for segment (6-6A) and (6-6B) as shown in attached drawing RW at Ma'an Construction Site.	June 23, 2016	June 23, 2016	A		
54	IR-15-00009-MAN-047-A	A	Stainless steel spools as shown in attached list at Al Berkah Storage Yard	July 12, 2016	July 13, 2016	C		
55	IR-15-00009-MAN-047-B	B	Stainless steel spools as shown in attached list at Al Berkah Storage Yard	July 18, 2016	July 18, 2016	A		
56	IR-15-00009-MAN-048-A	A	Actions taken by contractor of the CMC environmental checklist for the month of June 2016 at Ma'an Construction Site	July 13, 2016	July 14, 2016	A		
57	IR-15-00009-MAN-049-A	A	PP-R Pipes and fittings at Al Berkah Storage Yard.	July 14, 2016	July 14, 2016	A		
58	IR-15-00009-MAN-050-A	A	Compaction test for subgrade layer under disinfection building and electrical and control building (level +82.85) at Ma'an Construction Site	July 25, 2016	July 26, 2016	C		
59	IR-15-00009-MAN-050-B	B	Compaction test for subgrade layer under disinfection building and electrical and control building (level +82.85) at Ma'an Construction Site	August 11, 2016	August 11, 2016	A		
60	IR-15-00009-MAN-051-A	A	Compaction test for subgrade layer under disinfection and electrical and control building (level +82.35) at Ma'an Construction Site.	July 26, 2016	July 26, 2016	A		
61	IR-15-00009-MAN-052-A	A	Compaction test for backfill layer (+82.45 & 82.65) under electrical and control building at Ma'an Construction Site.	July 27, 2016	July 27, 2016	A		
62	IR-15-00009-MAN-053-A	A	Casting plain concrete for the Electrical and Control building at Ma'an Construction Site.	July 30, 2016	July 31, 2016	A		
63	IR-15-00009-MAN-054-A	A	Compaction test for backfill layer (+82.45 & 82.65) under Disinfection building at Ma'an Construction Site.	July 31, 2016	August 1, 2016	A		
64	IR-15-00009-MAN-055-A	A	Casting plain concrete for the Disinfection building at Ma'an Construction Site	August 1, 2016	August 2, 2016	A		
65	IR-15-00009-MAN-056-A	A	Shuttering for electrical and control building foundation at Ma'an Construction Site	August 3, 2016	August 4, 2016	A		
66	IR-15-00009-MAN-057-A	A	Steel reinforcement for electrical and control building foundation at Ma'an Construction Site	August 3, 2016	August 4, 2016	A		
67	IR-15-00009-MAN-058-A	A	Mechanical and electrical installation for electrical and control building foundation at Ma'an Construction Site	August 3, 2016	August 4, 2016	A		
68	IR-15-00009-MAN-059-A	A	Casting concrete for electrical and control building foundation at Ma'an Construction Site.	August 4, 2016	August 4, 2016	A		
69	IR-15-00009-MAN-060-A	A	Shuttering for disinfection building foundation at Ma'an Construction Site.	August 7, 2016	August 7, 2016	A		
70	IR-15-00009-MAN-061-A	A	Steel reinforcement for disinfection building foundation at Ma'an Construction Site.	August 7, 2016	August 7, 2016	A		
71	IR-15-00009-MAN-062-A	A	Mechanical and electrical installation for disinfection building foundation at Ma'an Construction Site	August 7, 2016	August 7, 2016	A		

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1916 - 2016 MORGANTI 100 YEARS OF EXCELLENCE

Maan IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
72	IR-15-00009-MAN-063-A	A	Actions taken by contractor of the CMC environmental checklist for the month of July 2016 at Ma'an Construction Site	August 7, 2016	August 8, 2016	A		
73	IR-15-00009-MAN-064-A	A	Casting concrete for disinfection building foundation at Ma'an Construction Site.	August 8, 2016	August 8, 2016	A		
74	IR-15-00009-MAN-065-A	A	Shuttering for electrical and control building ditches at Ma'an Construction Site	August 11, 2016	August 11, 2016	A		
75	IR-15-00009-MAN-066-A	A	Steel reinforcement for electrical and control building ditches at Ma'an Construction Site.	August 11, 2016	August 11, 2016	A		
76	IR-15-00009-MAN-067-A	A	Electrical installation for electrical and control building ditches at Ma'an Construction Site	August 11, 2016	August 11, 2016	A		
77	IR-15-00009-MAN-068-A	A	Casting concrete for electrical and control building ditches at Ma'an Construction Site	August 13, 2016	August 14, 2016	A		
78	IR-15-00009-MAN-069-A	A	Shuttering the internal face for Disinfection building walls at Ma'an construction site	August 16, 2016	August 16, 2016	A		
79	IR-15-00009-MAN-070-A	A	Steel reinforcement for Disinfection building walls at Ma'an construction site.	August 18, 2016	August 18, 2016	A		
80	IR-15-00009-MAN-071-A	A	Electrical installation for Disinfection building walls at Ma'an construction site	August 18, 2016	August 18, 2016	A		
81	IR-15-00009-MAN-072-A	A	Mechanical installation for Disinfection building walls at Ma'an construction site	August 18, 2016	August 18, 2016	A		
82	IR-15-00009-MAN-073-A	A	Shuttering second face of disinfection building walls at Ma'an construction site	August 21, 2016	August 22, 2016	A		
83	IR-15-00009-MAN-074-A	A	Shuttering first face of electrical and control building walls at Ma'an construction site	August 21, 2016	August 22, 2016	C		
84	IR-15-00009-MAN-074-B	B	Shuttering first face of electrical and control building walls at Ma'an construction site	August 23, 2016	August 23, 2016	A		
85	IR-15-00009-MAN-075-A	A	Casting concrete for disinfection building walls at Ma'an construction site	August 22, 2016	August 22, 2016	A		
86	IR-15-00009-MAN-076-A	A	Steel reinforcement for electrical and control building walls at Ma'an construction site	August 24, 2016	August 25, 2016	A		
87	IR-15-00009-MAN-077-A	A	Electrical installation for electrical and control building walls at Ma'an construction site.	August 24, 2016	August 25, 2016	A		
88	IR-15-00009-MAN-078-A	A	Shuttering the second face for electrical and control building walls at Ma'an construction site	August 28, 2016	August 28, 2016	A		
89	IR-15-00009-MAN-079-A	A	Casting concrete for electrical and control building walls at Ma'an construction site.	August 28, 2016	August 28, 2016	A		
90	IR-15-00009-MAN-080-A	A	Bitumen coating for internal face of disinfection building foundation at Ma'an construction site	August 30, 2016	August 31, 2016	A		
91	IR-15-00009-MAN-081-A	A	Backfilling & compaction test inside Disinfection building at Ma'an construction site	August 31, 2016	September 1, 2016	C		
92	IR-15-00009-MAN-081-B	B	Backfilling & compaction test inside Disinfection building at Ma'an construction site	September 4, 2016	September 5, 2016	A		
93	IR-15-00009-MAN-082-A	A	Bitumen coating for the foundation of electrical and control building from inside at Ma'an construction site	September 1, 2016	September 1, 2016	A		
94	IR-15-00009-MAN-083-A	A	Compaction test for the backfilling layer inside Electrical and Control building at Ma'an construction site	September 4, 2016	September 4, 2016	A		
95	IR-15-00009-MAN-084-A	A	Compaction test for the backfilling of third layer inside Electrical and control Building at Ma'an construction site.	September 5, 2016	September 6, 2016	A		
96	IR-15-00009-MAN-085-A	A	Steel reinforcement for the slab on grade for the electrical and control building at Ma'an construction site.	September 6, 2016	September 6, 2016	C		
97	IR-15-00009-MAN-085-B	B	Steel reinforcement for the slab on grade for the electrical and control building at Ma'an construction site.	September 7, 2016	September 8, 2016	A		
98	IR-15-00009-MAN-086-A	A	Casting concrete for the slab on grade for the electrical and control building at Ma'an construction site	September 7, 2016	September 8, 2016	A		
99	IR-15-00009-MAN-087-A	A	Bitumen coating for the external side of electrical and control building foundation at Ma'an construction site.	September 8, 2016	September 8, 2016	A		
100	IR-15-00009-MAN-088-A	A	Bitumen coating for the external side of disinfection building foundation at Ma'an construction site.	September 17, 2016	September 17, 2016	A		
101	IR-15-00009-MAN-089-A	A	Compaction test for the backfilling layer inside Disinfection Building at Ma'an construction site.	September 17, 2016	September 17, 2016	A		

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Maan IR LOG

No.	IR Number	REV.	Description	Inspection Date	Actual Return Date	1st Inspection	2nd Inspection	Remarks
102	IR-15-00009-MAN-090-A	A	Actions taken by contractor of the CMC environmental checklist for the month of August 2016 at Ma'an Construction Site	September 25, 2016	September 26, 2016	A		
103	IR-15-00009-MAN-091-A	A	Shuttering for disinfection slab on grade at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
104	IR-15-00009-MAN-092-A	A	Steel reinforcement for disinfection slab on grade at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
105	IR-15-00009-MAN-093-A	A	Electrical and mechanical installation for disinfection slab on grade at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
106	IR-15-00009-MAN-094-A	A	Shuttering roof slab for the electrical and control building at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
107	IR-15-00009-MAN-095-A	A	Steel reinforcement roof slab for the electrical and control building at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
108	IR-15-00009-MAN-096-A	A	Electrical and mechanical installation for the roof slab of the electrical and control building at Ma'an Construction Site	September 26, 2016	September 26, 2016	A		
109	IR-15-00009-MAN-097-A	A	Casting concrete for the slab on grade of disinfection building at Ma'an construction site	September 28, 2016	September 28, 2016	A		
110	IR-15-00009-MAN-098-A	A	Casting concrete for the roof slab of electrical and control building at Ma'an construction site.	September 28, 2016	September 28, 2016	A		

Annex G - Submittal Log

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

No.	Submittal Number	Project	REV.	Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status
1	SUB-15-00009-GAZII-001-A	GAZII	A	Bank Guarantee Certificate	Preconstruction	November 11, 2015	November 12, 2015	November 23, 2015	E
2	SUB-15-00009-GAZII-002-A	GAZII	A	Scheduling Qualification Submittal	Preconstruction	November 11, 2015	November 12, 2015	November 23, 2015	A
3	SUB-15-00009-GAZII-003-A	GAZII	A	Temporary Project Signs	Preconstruction	November 11, 2015	November 12, 2015	November 30, 2015	B
4	SUB-15-00009-GAZII-003-B	GAZII	B	Temporary Project Signs	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
5	SUB-15-00009-GAZII-004-A	GAZII	A	Lists of Permits and License	Preconstruction	November 15, 2015	November 16, 2015	November 23, 2015	C
6	SUB-15-00009-GAZII-004-B	GAZII	B	Lists of Permits and License	Preconstruction	December 16, 2015	December 17, 2015	December 30, 2015	A
7	SUB-15-00009-GAZII-005-A	GAZII	A	Engineer's Computer Systems & Miscellaneous	Preconstruction	November 16, 2015	November 16, 2015	November 23, 2015	C
8	SUB-15-00009-GAZII-005-B	GAZII	B	Engineer's Computer Systems & Miscellaneous	Preconstruction	December 3, 2015	December 6, 2015	December 15, 2015	B
9	SUB-15-00009-GAZII-005-C	GAZII	C	Engineer's Computer Systems & Miscellaneous	Preconstruction	February 17, 2016	February 17, 2016	February 18, 2016	A
10	SUB-15-00009-GAZII-006-A	GAZII	A	General Construction Method Statement	Preconstruction	November 19, 2015	November 22, 2015	December 17, 2015	C
11	SUB-15-00009-GAZII-006-B	GAZII	B	General Construction Method Statement	Preconstruction	December 29, 2015	December 30, 2015	January 27, 2016	B
12	SUB-15-00009-GAZII-006-C	GAZII	C	General Construction Method Statement	Preconstruction	August 16, 2016	August 16, 2016	August 29, 2016	A
13	SUB-15-00009-GAZII-007-A	GAZII	A	Engineer's Offices Furniture	Preconstruction	November 19, 2015	November 22, 2015	November 23, 2015	B
14	SUB-15-00009-GAZII-007-B	GAZII	B	Engineer's Offices Furniture	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
15	SUB-15-00009-GAZII-008-A	GAZII	A	Preliminary Progress Schedule Submittal	Preconstruction	November 19, 2015	November 22, 2015	December 14, 2015	B
16	SUB-15-00009-GAZII-008-B	GAZII	B	Preliminary Progress Schedule Submittal	Preconstruction	August 7, 2016	August 7, 2016	August 8, 2016	E
17	SUB-15-00009-GAZII-009-A	GAZII	A	Engineer's Primary Field Office	Preconstruction	November 19, 2015	November 22, 2015	December 1, 2015	B
18	SUB-15-00009-GAZII-009-B	GAZII	B	Engineer's Primary Field Office	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
19	SUB-15-00009-GAZII-010-A	GAZII	A	Engineer's Secondary Field Office	Preconstruction	November 19, 2015	November 22, 2015	December 6, 2015	B
20	SUB-15-00009-GAZII-010-B	GAZII	B	Engineer's Secondary Field Office	Preconstruction	January 3, 2016	January 3, 2016	January 17, 2016	A

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USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

No.	Submittal Number	Project	REV.	Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status
21	SUB-15-00009-GAZII-011-A	GAZII	A	Storage Yard	Preconstruction	November 19, 2015	November 22, 2015	December 6, 2015	C
22	SUB-15-00009-GAZII-011-B	GAZII	B	Storage Yard Layout	Preconstruction	December 14, 2015	December 15, 2015	December 28, 2015	A
23	~~SUB-15-00009-GAZII-011-C~~	~~GAZII~~	~~C~~	~~Storage Yard Layout~~	~~Preconstruction~~	~~January 3, 2016~~	~~January 3, 2016~~	~~January 6, 2016~~	~~Retracted~~
24	SUB-15-00009-GAZII-011-C	GAZII	C	Storage Yard Layout	Preconstruction	January 6, 2016	January 7, 2016	January 17, 2016	A
25	SUB-15-00009-MAN-012-A	MAN	A	Dilapidation Report to distribution pipeline from Sta 1+000 to Sta. 1+106 at Ma'an)	Preconstruction	November 22, 2015	November 23, 2015	December 14, 2015	B
26	SUB-15-00009-MAN-012-B	MAN	B	Dilapidation Report to distribution pipeline from Sta 1+000 to Sta. 1+106 at Ma'an)	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
27	SUB-15-00009-GAZII-013-A	GAZII	A	Shop Drawings Frame	Shop drawing - Civil	November 26, 2015	November 26, 2015	November 30, 2015	A
28	SUB-15-00009-GAZII-014-A	GAZII	A	Temporary Project Signs Location	Preconstruction	November 28, 2015	November 29, 2015	November 30, 2015	B
29	SUB-15-00009-GAZII-014-B	GAZII	B	Temporary Project Signs Location	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
30	SUB-15-00009-GAZII-015-A	GAZII	A	Project Insurance Policy	Preconstruction	November 28, 2015	November 29, 2015	December 8, 2015	E
31	SUB-15-00009-GAZII-016-A	GAZII	A	Third Party Testing Labs	Preconstruction	November 29, 2015	November 30, 2015	December 8, 2015	C
32	SUB-15-00009-GAZII-016-B	GAZII	B	Third Party Testing Labs	Preconstruction	December 26, 2015	December 27, 2015	January 7, 2016	A
35	SUB-15-00009-GAZII-018-A	GAZII	A	Expandable Water Stop	Civil Material	December 3, 2015	December 6, 2015	December 14, 2015	B
36	SUB-15-00009-GAZII-018-B	GAZII	B	Expandable Water Stop	Civil Material	February 17, 2016	February 17, 2016	March 8, 2016	A
37	SUB-15-00009-GAZII-019-A	GAZII	A	PVC Water Stop	Civil Material	December 3, 2015	December 6, 2015	December 14, 2015	B
38	SUB-15-00009-GAZII-019-B	GAZII	B	PVC Water Stop	Civil Material	February 17, 2016	February 17, 2016	March 7, 2016	A
39	SUB-15-00009-GAZII-020-A	GAZII	A	PVC Pipes & Fittings	Mechanical Material	December 3, 2015	December 6, 2015	December 28, 2015	C
40	SUB-15-00009-GAZII-020-B	GAZII	B	PVC Pipes & Fittings	Mechanical Material	January 13, 2016	January 14, 2016	January 27, 2016	B
41	SUB-15-00009-GAZII-020-C	GAZII	C	PVC Pipes & Fittings	Mechanical Material	February 14, 2016	February 14, 2016	February 28, 2016	A
42	SUB-15-00009-GAZII-021-A	GAZII	A	Stainless Steel spool	Mechanical Material	December 3, 2015	December 6, 2015	December 14, 2015	C

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INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

No.	Submittal Number	Project	REV.	Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status
43	SUB-15-00009-GAZII-021-B	GAZII	B	Stainless Steel spool	Mechanical Material	January 3, 2016	January 3, 2016	January 18, 2016	C
44	SUB-15-00009-GAZII-021-C	GAZII	C	Stainless Steel spool	Mechanical Material	January 24, 2016	January 24, 2016	February 3, 2016	A
45	SUB-15-00009-GAZII-022-A	GAZII	A	**Perforated pipe** Product Name: Super Kiz Manufacturer : Eliyahou Plastics Ltd	Mechanical Material	December 6, 2015	December 7, 2015	December 16, 2015	B
46	SUB-15-00009-GAZII-022-B	GAZII	B	**Perforated pipe** Product Name: Super Kiz Manufacturer : Eliyahou Plastics Ltd	Mechanical Material	March 16, 2016	March 16, 2016	March 22, 2016	A
47	SUB-15-00009-GAZII-023-A	GAZII	A	Traffic Control Plan	Preconstruction	December 6, 2015	December 7, 2015	December 23, 2015	C
48	SUB-15-00009-GAZII-023-B	GAZII	B	Traffic Control Plan	Preconstruction	January 17, 2016	January 17, 2016	January 31, 2016	C
49	SUB-15-00009-GAZII-023-C	GAZII	C	Traffic Control Plan	Preconstruction	February 10, 2016	February 10, 2016	February 14, 2016	A
50	SUB-15-00009-GAZII-024-A	GAZII	A	Dumping Site	Preconstruction	December 8, 2015	December 9, 2015	December 14, 2015	A
51	SUB-15-00009-GAZII-025-A	GAZII	A	Butterfly Valve	Mechanical Material	December 8, 2015	December 9, 2015	December 21, 2015	C
52	SUB-15-00009-GAZII-025-B	GAZII	B	Butterfly Valve	Mechanical Material	December 29, 2015	December 30, 2015	January 24, 2016	C
53	SUB-15-00009-GAZII-025-C	GAZII	C	Butterfly Valve	Mechanical Material	January 31, 2016	January 31, 2016	February 17, 2016	C
54	SUB-15-00009-GAZII-025-D	GAZII	D	Butterfly Valve	Mechanical Material	February 23, 2016	February 23, 2016	March 1, 2016	A
56	SUB-15-00009-MAN-027-A	MAN	A	Ma'an Survey Grid & Contour Lines Shop Drawings	Shop drawing - Civil	December 8, 2015	December 9, 2015	December 30, 2015	A
57	SUB-15-00009-GAZII-028-A	GAZII	A	Ready Mix Concrete Plant The Arab Contacting & Concrete Industries Co.(ACCI)	Civil Material	December 10, 2015	December 10, 2015	December 23, 2015	E
58	SUB-15-00009-GAZII-029-A	GAZII	A	Reinforcement Steel Manufactures	Civil Material	December 10, 2015	December 10, 2015	December 15, 2015	E
59	SUB-15-00009-GAZII-030-A	GAZII	A	Sanad Construction Industries Cement Supplier	Civil Material	December 10, 2015	December 10, 2015	December 15, 2015	E
60	SUB-15-00009-GAZII-031-A	GAZII	A	Grounding system materials	Electrical Material	December 10, 2015	December 10, 2015	December 25, 2015	B
61	SUB-15-00009-GAZII-031-B	GAZII	B	Grounding system materials	Electrical Material	February 7, 2016	February 7, 2016	February 16, 2016	A

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62	SUB-15-00009-GAZII-032-A	GAZII	A	Environmental Monitoring & Mitigation Plan	Preconstruction	December 13, 2015	December 13, 2015	December 16, 2015	C
63	SUB-15-00009-GAZII-032-B	GAZII	B	Environmental Monitoring & Mitigation Plan	Preconstruction	December 23, 2015	December 23, 2015	January 5, 2016	B
64	SUB-15-00009-GAZII-032-C	GAZII	C	Environmental Monitoring & Mitigation Plan	Preconstruction	February 17, 2016	February 17, 2016	February 23, 2016	A
65	SUB-15-00009-GAZII-033-A	GAZII	A	Warning Tape	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	C
66	SUB-15-00009-GAZII-033-B	GAZII	B	Warning Tape	Electrical Material	January 5, 2016	January 5, 2016	January 13, 2016	A
67	SUB-15-00009-GAZII-034-A	GAZII	A	Main Distribution Board	Electrical Material	December 13, 2015	December 13, 2015	December 28, 2015	C
68	SUB-15-00009-GAZII-034-B	GAZII	B	Main Distribution Board	Electrical Material	January 24, 2016	January 24, 2016	February 16, 2016	A
69	SUB-15-00009-GAZII-035-A	GAZII	A	SDB Distribution Board &Load Schedule	Electrical Material	December 13, 2015	December 13, 2015	January 3, 2016	C
70	SUB-15-00009-GAZII-035-B	GAZII	B	SDB Distribution Board &Load Schedule	Electrical Material	January 24, 2016	January 24, 2016	February 16, 2016	C
71	SUB-15-00009-GAZII-035-C	GAZII	C	SDB Distribution Board &Load Schedule	Electrical Material	February 21, 2016	February 21, 2016	February 23, 2016	A
72	SUB-15-00009-GAZII-036-A	GAZII	A	Cable Ladder	Electrical Material	December 13, 2015	December 13, 2015	December 28, 2015	B
73	SUB-15-00009-GAZII-036-B	GAZII	B	Cable Ladder	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
74	SUB-15-00009-GAZII-037-A	GAZII	A	Cable Lugs	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
75	SUB-15-00009-GAZII-037-B	GAZII	B	Cable Lugs	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
76	SUB-15-00009-GAZII-038-A	GAZII	A	Colored PVC Pipe	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	C
77	SUB-15-00009-GAZII-038-B	GAZII	B	Colored PVC Pipe	Electrical Material	February 15, 2016	February 15, 2016	February 17, 2016	A
78	SUB-15-00009-GAZII-039-A	GAZII	A	Disconnect Switch	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
79	SUB-15-00009-GAZII-039-B	GAZII	B	Disconnect Switch	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
80	SUB-15-00009-GAZII-040-A	GAZII	A	Disconnect Switch for Pumps	Electrical Material	December 13, 2015	December 13, 2015	December 28, 2015	B
81	SUB-15-00009-GAZII-040-B	GAZII	B	Disconnect Switch for Pumps	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A

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82	SUB-15-00009-GAZII-041-A	GAZII	A	Gland Cable	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	A
83	SUB-15-00009-GAZII-042-A	GAZII	A	Flexible Conduit	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
84	SUB-15-00009-GAZII-042-B	GAZII	B	Flexible Conduit	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
85	SUB-15-00009-GAZII-043-A	GAZII	A	Metal Box	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
86	SUB-15-00009-GAZII-043-B	GAZII	B	Metal Box	Electrical Material	February 7, 2016	February 7, 2016	February 25, 2016	A
87	SUB-15-00009-GAZII-044-A	GAZII	A	Power Cable	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
88	SUB-15-00009-GAZII-044-B	GAZII	B	Power Cable	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
89	SUB-15-00009-GAZII-045-A	GAZII	A	Solvent Cement For PVC Systems	Electrical Material	December 13, 2015	December 13, 2015	December 30, 2015	A
90	SUB-15-00009-GAZII-046-A	GAZII	A	PVC Fittings - Electrical	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	C
91	SUB-15-00009-GAZII-046-B	GAZII	B	PVC Fittings - Electrical	Electrical Material	January 6, 2016	January 7, 2016	January 13, 2016	C
92	SUB-15-00009-GAZII-046-C	GAZII	C	PVC Fittings - Electrical	Electrical Material	January 28, 2016	January 28, 2016	February 7, 2016	A
93	SUB-15-00009-GAZII-047-A	GAZII	A	PVC Pipe - Electrical	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	B
94	SUB-15-00009-GAZII-047-B	GAZII	B	PVC Pipe - Electrical	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
95	SUB-15-00009-GAZII-048-A	GAZII	A	Receptacles & Switches	Electrical Material	December 13, 2015	December 13, 2015	December 25, 2015	C
96	SUB-15-00009-GAZII-048-B	GAZII	B	Receptacles & Switches	Electrical Material	February 15, 2016	February 15, 2016	February 23, 2016	B
97	SUB-15-00009-GAZII-048-C	GAZII	C	Receptacles & Switches	Electrical Material	September 22, 2016	September 22, 2016	September 28, 2016	A
98	SUB-15-00009-GAZII-049-A	GAZII	A	Conduits for Electrical works (Galvanized Steel Pipes)	Electrical Material	December 13, 2015	December 14, 2015	December 30, 2015	A
99	SUB-15-00009-GAZII-050-A	GAZII	A	Steel Light Pole	Electrical Material	December 13, 2015	December 14, 2015	January 3, 2016	C
100	SUB-15-00009-GAZII-050-B	GAZII	B	Steel Light Pole	Electrical Material	January 24, 2016	January 24, 2016	February 3, 2016	A
101	SUB-15-00009-GAZII-051-A	GAZII	A	Gate Valves & Gear Boxes	Mechanical Material	December 13, 2015	December 14, 2015	December 25, 2015	C

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SUBMITTALS LOG

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102	SUB-15-00009-GAZII-051-B	GAZII	B	Gate Valves & Gear Boxes	Mechanical Material	January 3, 2016	January 3, 2016	January 24, 2016	C
103	SUB-15-00009-GAZII-051-C	GAZII	C	Gate Valves & Gear Boxes	Mechanical Material	January 27, 2016	January 27, 2016	February 14, 2016	A
105	SUB-15-00009-MAN-053-A	MAN	A	Dilapidation Survey : Ma'an Yard	Preconstruction	December 14, 2015	December 15, 2015	December 23, 2015	A
106	SUB-15-00009-GAZII-054-A	GAZII	A	Construction Risk Management Program	Preconstruction	December 14, 2015	December 15, 2015	December 30, 2015	C
107	SUB-15-00009-GAZII-054-B	GAZII	B	Construction Risk Management Program	Preconstruction	January 9, 2016	January 10, 2016	January 18, 2016	A
108	SUB-15-00009-GAZII-055-A	GAZII	A	Lighting –Fixtures	Electrical Material	December 14, 2015	December 15, 2015	January 4, 2016	B
109	SUB-15-00009-GAZII-055-B	GAZII	B	Lighting –Fixtures	Electrical Material	February 7, 2016	February 7, 2016	February 17, 2016	A
110	SUB-15-00009-GAZII-056-A	GAZII	A	Engine generator -250KW	Electrical Material	December 15, 2015	December 16, 2015	January 3, 2016	C
111	SUB-15-00009-GAZII-056-B	GAZII	B	Engine generator -250KW	Electrical Material	January 17, 2016	January 17, 2016	January 31, 2016	C
112	SUB-15-00009-GAZII-056-C	GAZII	C	Engine generator -250KW	Electrical Material	February 11, 2016	February 11, 2016	February 25, 2016	C
113	SUB-15-00009-GAZII-056-D	GAZII	D	Engine generator -250KW	Electrical Material	March 27, 2016	March 27, 2016	April 7, 2016	C
114	SUB-15-00009-GAZII-056-E	GAZII	E	Engine generator -250KW	Electrical Material	May 12, 2016	May 12, 2016	May 24, 2016	A
115	SUB-15-00009-GAZII-057-A	GAZII	A	PVC Box (ELECTRICAL)	Electrical Material	December 15, 2015	December 16, 2015	December 30, 2015	A
116	SUB-15-00009-GAZII-058-A	GAZII	A	1" & 2" Combination Air Valves	Mechanical Material	December 15, 2015	December 16, 2015	January 11, 2016	C
117	SUB-15-00009-GAZII-058-B	GAZII	B	2" Combination Air Valves	Mechanical Material	January 17, 2016	January 17, 2016	January 27, 2016	A
118	SUB-15-00009-GAZII-059-A	GAZII	A	3" & 4" Combination Air Valves	Mechanical Material	December 15, 2015	December 16, 2015	January 11, 2016	C
119	SUB-15-00009-GAZII-059-B	GAZII	B	3" & 4" Combination Air Valves	Mechanical Material	January 17, 2016	January 17, 2016	February 14, 2016	A
120	SUB-15-00009-GAZII-060-A	GAZII	A	Ball Valves DN50 & Smaller	Mechanical Material	December 15, 2015	December 16, 2015	December 30, 2015	B
121	SUB-15-00009-GAZII-060-B	GAZII	B	Ball Valves DN50 & Smaller	Mechanical Material	February 11, 2016	February 11, 2016	February 23, 2016	A
122	SUB-15-00009-GAZII-061-A	GAZII	A	Electromagnetic Flow Meter	Mechanical & Electrical Material	December 15, 2015	December 16, 2015	January 11, 2016	C

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123	SUB-15-00009-GAZII-061-B	GAZII	B	Electromagnetic Flow Meter	Mechanical & Electrical Material	September 20, 2016	September 20, 2016	September 21, 2016	E
124	SUB-15-00009-GAZII-062-A	GAZII	A	Pressure Level Transmitters	Mechanical & Electrical Material	December 15, 2015	December 16, 2015	January 7, 2016	C
125	SUB-15-00009-GAZII-062-B	GAZII	B	Pressure Level Transmitters	Mechanical & Electrical Material	April 18, 2016	April 18, 2016	April 21, 2016	E
126	SUB-15-00009-GAZII-063-A	GAZII	A	Back Flow Preventer	Mechanical Material	December 15, 2015	December 16, 2015	January 3, 2016	A
127	SUB-15-00009-GAZII-064-A	GAZII	A	Float Level Switch	Mechanical Material	December 16, 2015	December 17, 2015	December 30, 2015	A
128	SUB-15-00009-GAZII-065-A	GAZII	A	Flow Switch	Mechanical & Electrical Material	December 16, 2015	December 17, 2015	December 30, 2015	B
129	SUB-15-00009-GAZII-065-B	GAZII	B	Flow Switch	Mechanical & Electrical Material	February 14, 2016	February 14, 2016	February 23, 2016	A
130	SUB-15-00009-GAZII-066-A	GAZII	A	Pipe Expansion Joint- Mechanical	Mechanical Material	December 16, 2015	December 17, 2015	January 11, 2016	C
131	SUB-15-00009-GAZII-066-B	GAZII	B	Pipe Expansion Joint- Mechanical	Mechanical Material	January 19, 2016	January 21, 2016	January 31, 2016	A
132	SUB-15-00009-GAZII-067-A	GAZII	A	Ready Mix Concrete Plant (Al-Taawn ready mix concrete)	Civil Material	December 16, 2015	December 17, 2015	December 28, 2015	E
133	SUB-15-00009-GAZII-068-A	GAZII	A	Control & Signal Cable – Electrical	Electrical Material	December 19, 2015	December 20, 2015	December 30, 2015	D
134	SUB-15-00009-GAZII-068-B	GAZII	B	Control & Signal Cable – Electrical	Electrical Material	March 29, 2016	March 29, 2016	April 13, 2016	C
135	SUB-15-00009-GAZII-068-C	GAZII	C	Control & Signal Cable – Electrical	Electrical Material	May 9, 2016	May 9, 2016	May 16, 2016	A
136	SUB-15-00009-GAZII-069-A	GAZII	A	Data cable –CAT 6A – Electrical	Electrical Material	December 19, 2015	December 20, 2015	December 30, 2015	C
137	~~SUB-15-00009-GAZII-069-B~~	~~GAZII~~	~~B~~	~~Data cable –CAT 6A – Electrical~~	~~Electrical Material~~	~~September 20, 2016~~	~~September 20, 2016~~	~~September 25, 2016~~	~~Retracted~~
138	SUB-15-00009-GAZII-070-A	GAZII	A	Installation Wire – Electrical	Electrical Material	December 19, 2015	December 20, 2015	December 30, 2015	A
139	SUB-15-00009-GAZII-071-A	GAZII	A	Intrusion System – Electrical	Electrical Material	December 19, 2015	December 20, 2015	December 30, 2015	A
140	SUB-15-00009-GAZII-072-A	GAZII	A	Fire Alarm System – Electrical	Electrical Material	December 19, 2015	December 20, 2015	December 30, 2015	C
141	SUB-15-00009-GAZII-072-B	GAZII	B	Fire Alarm System – Electrical	Electrical Material	February 11, 2016	February 11, 2016	February 23, 2016	C

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142	SUB-15-00009-GAZII-072-C	GAZII	C	Fire Alarm System – Electrical	Electrical Material	July 12, 2016	July 12, 2016	July 20, 2016	C
143	SUB-15-00009-GAZII-072-D	GAZII	D	Fire Alarm System – Electrical	Electrical Material	July 24, 2016	July 24, 2016	August 7, 2016	A
144	SUB-15-00009-GAZII-073-A	GAZII	A	Key Personnel	Preconstruction	December 20, 2015	December 21, 2015	December 28, 2015	E
145	SUB-15-00009-GAZII-074-A	GAZII	A	Submittals Schedule	Preconstruction	December 20, 2015	December 21, 2015	January 3, 2016	B
146	SUB-15-00009-GAZII-075-A	GAZII	A	Quality Control Program (QCP)	Preconstruction	December 20, 2015	December 21, 2015	January 17, 2016	C
147	SUB-15-00009-GAZII-075-B	GAZII	B	Quality Control Program (QCP)	Preconstruction	January 28, 2016	January 28, 2016	February 16, 2016	B
148	SUB-15-00009-GAZII-075-C	GAZII	C	Quality Control Program (QCP)	Preconstruction	August 16, 2016	August 16, 2016	August 29, 2016	A
149	SUB-15-00009-GAZII-076-A	GAZII	A	Safety Plane	Preconstruction	December 23, 2015	December 21, 2015	January 11, 2016	C
150	SUB-15-00009-GAZII-076-B	GAZII	B	Safety Plane	Preconstruction	January 13, 2016	January 14, 2016	January 31, 2016	A
151	SUB-15-00009-GAZII-077-A	GAZII	A	Flanged coupling adapters (PN16) For Ductile Iron Pipes	Mechanical Material	December 23, 2015	December 23, 2015	January 11, 2016	D
152	SUB-15-00009-GAZII-077-B	GAZII	B	Flanged coupling adapters (PN16) For Ductile Iron Pipes	Mechanical Material	April 28, 2016	April 28, 2016	May 10, 2016	E
153	SUB-15-00009-GAZII-078-A	GAZII	A	Flanged coupling adapters (PN16) For Steel Pipes	Mechanical Material	December 23, 2015	December 23, 2015	January 11, 2016	D
154	SUB-15-00009-GAZII-078-B	GAZII	B	Flanged coupling adapters (PN16) For Steel Pipes	Mechanical Material	February 11, 2016	February 11, 2016	February 28, 2016	D
155	SUB-15-00009-GAZII-078-C	GAZII	C	Flanged coupling adapters (PN16) For Steel Pipes	Mechanical Material	April 28, 2016	April 28, 2016	May 10, 2016	E
156	SUB-15-00009-GAZII-079-A	GAZII	A	Strainer	Mechanical Material	December 23, 2015	December 23, 2015	January 3, 2016	C
157	SUB-15-00009-GAZII-079-B	GAZII	B	Strainer	Mechanical Material	January 17, 2016	January 17, 2016	January 26, 2016	A
158	SUB-15-00009-GAZII-080-A	GAZII	A	Pressure Gauges & Snubbers	Mechanical Material	December 23, 2015	December 23, 2015	January 11, 2016	C
159	SUB-15-00009-GAZII-080-B	GAZII	B	Pressure Gauges & Snubbers	Mechanical Material	February 25, 2016	February 25, 2016	March 15, 2016	C
160	SUB-15-00009-GAZII-080-C	GAZII	C	Pressure Gauges & Snubbers	Mechanical Material	August 11, 2016	August 11, 2016	August 24, 2016	C
161	SUB-15-00009-GAZII-081-A	GAZII	A	Disinfection System Instruments	Mechanical & Electrical Material	December 23, 2015	December 23, 2015	January 17, 2016	C

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162	SUB-15-00009-GAZII-081-B	GAZII	B	Disinfection System Instruments	Mechanical & Electrical Material	January 27, 2016	January 27, 2016	February 23, 2016	C
163	SUB-15-00009-GAZII-081-C	GAZII	C	Disinfection System Instruments	Mechanical & Electrical Material	March 20, 2016	March 20, 2016	March 29, 2016	C
164	SUB-15-00009-GAZII-081-D	GAZII	D	Disinfection System Instruments	Mechanical & Electrical Material	March 31, 2016	March 31, 2016	April 12, 2016	A
165	SUB-15-00009-GAZII-082-A	GAZII	A	Flap Valve	Mechanical Material	December 23, 2015	December 23, 2015	January 3, 2016	B
166	SUB-15-00009-GAZII-082-B	GAZII	B	Flap Valve	Mechanical Material	February 11, 2016	February 11, 2016	February 23, 2016	A
167	SUB-15-00009-GAZII-083-A	GAZII	A	Plumping Fixtures	Mechanical Material	December 23, 2015	December 23, 2015	January 3, 2016	A
168	SUB-15-00009-GAZII-084-A	GAZII	A	Original CPM Schedule Submittal	Preconstruction	December 27, 2015	December 27, 2015	January 24, 2016	C
169	SUB-15-00009-GAZII-084-B	GAZII	B	Original CPM Schedule Submittal	Preconstruction	March 1, 2016	March 1, 2016	March 21, 2016	C
170	SUB-15-00009-GAZII-084-C	GAZII	C	Original CPM Schedule Submittal	Preconstruction	March 28, 2016	March 28, 2016	April 26, 2016	B
171	SUB-15-00009-GAZII-084-D	GAZII	D	Original CPM Schedule Submittal	Preconstruction	May 9, 2016	May 9, 2016	May 22, 2016	A
175	SUB-15-00009-MAN-086-A	MAN	A	Ma'an 3800M3 Reservoir / Structural & Architectural Shop Drawing	Shop drawing - Civil	December 29, 2015	December 30, 2015	January 11, 2016	C
176	SUB-15-00009-MAN-086-B	MAN	B	Ma'an 3800M3 Reservoir / Structural & Architectural Shop Drawing	Shop drawing - Civil	January 27, 2016	January 27, 2016	February 23, 2016	B
177	SUB-15-00009-MAN-086-C	MAN	C	Ma'an 3800M3 Reservoir / Structural & Architectural Shop Drawing	Shop drawing - Civil	March 13, 2016	March 13, 2016	March 23, 2016	A
178	SUB-15-00009-GAZII-087-A	GAZII	A	Concrete Mix Design Class B35 Cylinder	Civil Material	January 3, 2016	January 3, 2016	January 11, 2016	C
179	SUB-15-00009-GAZII-087-B	GAZII	B	Concrete Mix Design Class B35 Cylinder	Civil Material	March 10, 2016	March 10, 2016	March 15, 2016	E
180	SUB-15-00009-GAZII-088-A	GAZII	A	Concrete Mix Design Class B20, B25, B30 &B35	Civil Material	January 3, 2016	January 3, 2016	January 17, 2016	C
181	SUB-15-00009-GAZII-088-B	GAZII	B	Concrete Mix Design Class B20, B25, B30 &B35	Civil Material	March 10, 2016	March 10, 2016	March 15, 2016	E

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182	SUB-15-00009-GAZII-089-A	GAZII	A	Security Plan	Preconstruction	January 5, 2016	January 5, 2016	January 11, 2016	C
183	SUB-15-00009-GAZII-089-B	GAZII	B	Security Plan	Preconstruction	January 19, 2016	January 21, 2016	January 26, 2016	E
184	SUB-15-00009-GAZII-090-A	GAZII	A	Subcontractor Profile	Preconstruction	January 6, 2016	January 7, 2016	January 11, 2016	C
185	SUB-15-00009-GAZII-090-B	GAZII	B	Subcontractor Profile	Preconstruction	January 17, 2016	January 17, 2016	January 21, 2016	E
190	SUB-15-00009-GAZII-092-A	GAZII	A	Check valve	Mechanical Material	January 17, 2016	January 17, 2016	February 14, 2016	A
191	SUB-15-00009-GAZII-093-A	GAZII	A	Tapping saddles	Mechanical Material	January 17, 2016	January 17, 2016	January 31, 2016	C
192	SUB-15-00009-GAZII-093-B	GAZII	B	Tapping saddles	Mechanical Material	February 11, 2016	February 11, 2016	March 1, 2016	A
193	SUB-15-00009-GAZII-094-A	GAZII	A	Formwork System	Civil Material	January 19, 2016	January 21, 2016	February 10, 2016	C
194	SUB-15-00009-GAZII-094-B	GAZII	B	Formwork System (Reservoir Walls)	Civil Material	February 11, 2016	February 11, 2016	February 28, 2016	E
195	SUB-15-00009-MAN-095-A	MAN	A	MAAN Vertical Turbine Booster Pumps	Mechanical Material	January 19, 2016	January 21, 2016	January 31, 2016	C
196	SUB-15-00009-MAN-095-B	MAN	B	MAAN Vertical Turbine Booster Pumps	Mechanical Material	September 20, 2016	September 20, 2016	September 21, 2016	E
199	SUB-15-00009-GAZII-097-A	GAZII	A	Main Distribution Board	Shop drawing - Electrical	January 19, 2016	January 21, 2016	February 17, 2016	C
200	SUB-15-00009-GAZII-097-B	GAZII	B	Main Distribution Board	Shop drawing - Electrical	February 21, 2016	February 21, 2016	February 23, 2016	A
201	SUB-15-00009-GAZII-098-A	GAZII	A	Sub Distribution Board	Shop drawing - Electrical	January 19, 2016	January 21, 2016	February 16, 2016	C
202	SUB-15-00009-GAZII-098-B	GAZII	B	Sub Distribution Board	Shop drawing - Electrical	February 21, 2016	February 21, 2016	March 3, 2016	A
203	SUB-15-00009-GAZII-099-A	GAZII	A	Dismantling Joint	Mechanical Material	January 21, 2016	January 21, 2016	February 3, 2016	A
204	SUB-15-00009-GAZII-100-A	GAZII	A	Grounding manhole	Electrical Material	January 21, 2016	January 21, 2016	January 28, 2016	A
205	SUB-15-00009-GAZII-101-A	GAZII	A	Ductile iron pipe and fittings	Mechanical Material	January 21, 2016	January 21, 2016	February 8, 2016	C

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Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

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206	SUB-15-00009-GAZII-101-B	GAZII	B	Ductile iron pipe and fittings	Mechanical Material	February 15, 2016	February 15, 2016	February 28, 2016	C
207	SUB-15-00009-GAZII-101-C	GAZII	C	Ductile iron pipe and fittings	Mechanical Material	March 9, 2016	March 9, 2016	March 15, 2016	C
208	~~SUB-15-00009-GAZII-101-D~~	~~GAZII~~	~~D~~	~~Ductile iron pipe and fittings~~	~~Mechanical Material~~	~~March 24, 2016~~	~~March 24, 2016~~	~~April 2, 2016~~	~~Retracted~~
209	SUB-15-00009-GAZII-101-D	GAZII	D	Ductile iron pipe and fittings	Mechanical Material	April 24, 2016	April 24, 2016	May 8, 2016	A
210	SUB-15-00009-GAZII-102-A	GAZII	A	Reservoirs Drain Pipes and Fittings	Mechanical Material	January 24, 2016	January 24, 2016	January 31, 2016	B
211	SUB-15-00009-GAZII-102-B	GAZII	B	Reservoirs Drain Pipes and Fittings	Mechanical Material	April 20, 2016	April 20, 2016	April 28, 2016	E
212	SUB-15-00009-GAZII-103-A	GAZII	A	Stainless steel pipes inside water tank	Mechanical Material	January 24, 2016	January 24, 2016	February 16, 2016	C
213	SUB-15-00009-GAZII-103-B	GAZII	B	Stainless steel pipes inside water tank	Mechanical Material	February 23, 2016	February 23, 2016	March 1, 2016	B
214	SUB-15-00009-GAZII-103-C	GAZII	C	Stainless steel pipes inside water tank	Mechanical Material	March 27, 2016	March 27, 2016	March 31, 2016	A
215	SUB-15-00009-GAZII-104-A	GAZII	A	Steel & Stainless Steel Pipes Gaskets	Mechanical Material	January 24, 2016	January 24, 2016	February 3, 2016	A
216	SUB-15-00009-GAZII-105-A	GAZII	A	Plumping Pipes and Fittings	Mechanical Material	January 24, 2016	January 24, 2016	February 9, 2016	C
217	SUB-15-00009-GAZII-105-B	GAZII	B	Plumping Pipes and Fittings	Mechanical Material	March 27, 2016	March 27, 2016	March 31, 2016	C
218	SUB-15-00009-GAZII-106-A	GAZII	A	Flanged Ball Valves	Mechanical Material	January 24, 2016	January 24, 2016	February 8, 2016	C
219	SUB-15-00009-GAZII-106-B	GAZII	B	Flanged Ball Valves	Mechanical Material	February 11, 2016	February 11, 2016	February 23, 2016	A
220	SUB-15-00009-GAZII-107-A	GAZII	A	Polyethylene Storage Tanks	Mechanical Material	January 24, 2016	January 24, 2016	February 9, 2016	C
221	SUB-15-00009-GAZII-107-B	GAZII	B	Polyethylene Storage Tanks	Mechanical Material	February 17, 2016	February 17, 2016	February 28, 2016	C
222	SUB-15-00009-GAZII-107-C	GAZII	C	Polyethylene Storage Tanks	Mechanical Material	March 9, 2016	March 9, 2016	March 13, 2016	A

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223	SUB-15-00009-GAZII-108-A	GAZII	A	Ultraviolet (UV) Water Purifier- Mechanical	Mechanical Material	January 25, 2016	January 25, 2016	February 14, 2016	A
224	SUB-15-00009-GAZII-109-A	GAZII	A	Solar Collection System	Mechanical Material	January 25, 2016	January 25, 2016	February 14, 2016	A
225	SUB-15-00009-GAZII-110-A	GAZII	A	Water Copper Tube	Mechanical Material	January 25, 2016	January 25, 2016	February 8, 2016	A
226	SUB-15-00009-GAZII-111-A	GAZII	A	Mechanical Coupling	Mechanical Material	January 25, 2016	January 25, 2016	February 14, 2016	C
227	SUB-15-00009-GAZII-111-B	GAZII	B	Mechanical Coupling	Mechanical Material	April 28, 2016	April 28, 2016	May 10, 2016	E
228	SUB-15-00009-GAZII-112-A	GAZII	A	HAVC Copper Tube - Mechanical	Mechanical Material	January 25, 2016	January 25, 2016	February 8, 2016	A
229	SUB-15-00009-GAZII-113-A	GAZII	A	Water Drain Bottle Trap	Mechanical Material	January 25, 2016	January 25, 2016	February 14, 2016	A
233	SUB-15-00009-MAN-115-A	MAN	A	Maan 3800 m3 Reservoir – Electrical Shop Drawing	Shop drawing - Electrical	January 26, 2016	January 26, 2016	February 14, 2016	C
234	SUB-15-00009-MAN-115-B	MAN	B	Maan 3800 m3 Reservoir – Electrical Shop Drawing	Shop drawing - Electrical	February 28, 2016	February 28, 2016	March 13, 2016	B
235	SUB-15-00009-MAN-115-C	MAN	C	Maan 3800 m3 Reservoir – Electrical Shop Drawing	Shop drawing - Electrical	March 16, 2016	March 16, 2016	March 23, 2016	A
241	SUB-15-00009-MAN-117-A	MAN	A	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	Shop drawing - Mechanical	January 26, 2016	January 26, 2016	February 16, 2016	C
242	SUB-15-00009-MAN-117-B	MAN	B	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	Shop drawing - Mechanical	March 13, 2016	March 13, 2016	March 29, 2016	C
243	SUB-15-00009-MAN-117-C	MAN	C	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	Shop drawing - Mechanical	April 7, 2016	April 7, 2016	May 5, 2016	C
244	SUB-15-00009-MAN-117-D	MAN	D	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	Shop drawing - Mechanical	July 17, 2016	July 17, 2016	July 31, 2016	C
245	SUB-15-00009-MAN-117-E	MAN	E	Maan 3800 m3 Reservoir – Mechanical Shop Drawing	Shop drawing - Mechanical	September 18, 2016	September 18, 2016	September 28, 2016	B
246	~~SUB-15-00009-MAN-118-A~~	~~MAN~~	~~A~~	~~Method Statement warehouse Demolition Ma'an~~	~~Method Statement~~	~~January 27, 2016~~	~~January 27, 2016~~	~~January 31, 2016~~	~~Retracted~~
247	SUB-15-00009-MAN-118-A	MAN	A	Method Statement warehouse Demolition Ma'an	Method Statement	January 31, 2016	January 31, 2016	February 3, 2016	A

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248	SUB-15-00009-GAZII-119-A	GAZII	A	Meridur Pipes And Fitting For Disinfection System	Mechanical Material	January 28, 2016	January 28, 2016	February 14, 2016	D
249	SUB-15-00009-GAZII-119-B	GAZII	B	Meridur Pipes And Fitting For Disinfection System	Mechanical Material	March 27, 2016	March 27, 2016	April 4, 2016	C
250	SUB-15-00009-GAZII-119-C	GAZII	C	Meridur Pipes And Fitting For Disinfection System	Mechanical Material	April 6, 2016	April 6, 2016	April 10, 2016	A
251	SUB-15-00009-GAZII-120-A	GAZII	A	Gate Valve PN16	Mechanical Material	January 28, 2016	January 28, 2016	February 16, 2016	C
252	SUB-15-00009-GAZII-120-B	GAZII	B	Gate Valve PN16	Mechanical Material	February 23, 2016	February 23, 2016	March 8, 2016	A
253	SUB-15-00009-GAZII-121-A	GAZII	A	Floor Drains	Mechanical Material	January 28, 2016	January 28, 2016	February 14, 2016	C
254	SUB-15-00009-GAZII-121-B	GAZII	B	Floor Drains	Mechanical Material	February 15, 2016	February 15, 2016	February 28, 2016	C
255	SUB-15-00009-GAZII-122-A	GAZII	A	Roof Drains	Mechanical Material	January 28, 2016	January 28, 2016	February 14, 2016	C
256	SUB-15-00009-GAZII-122-B	GAZII	B	Roof Drains	Mechanical Material	February 15, 2016	February 15, 2016	February 28, 2016	A
257	SUB-15-00009-GAZII-123-A	GAZII	A	Concrete Ready-Mix Design A1 & A3 (35MPa), B(28Mpa), D7 (14MPa) & 30 MPa- Size 20 mm	Civil Material	January 31, 2016	January 31, 2016	February 14, 2016	A
258	SUB-15-00009-GAZII-124-A	GAZII	A	Bolts, Washers and Nuts for ductile iron system	Mechanical Material	January 31, 2016	January 31, 2016	February 16, 2016	C
259	SUB-15-00009-GAZII-124-B	GAZII	B	Bolts, Washers and Nuts for ductile iron system	Mechanical Material	February 24, 2016	February 24, 2016	March 1, 2016	A
260	SUB-15-00009-GAZII-125-A	GAZII	A	Option II - Lighting Fixture	Electrical Material	January 31, 2016	January 31, 2016	February 7, 2016	A
267	SUB-15-00009-GAZII-127-A	GAZII	A	AC Units Guard House	Mechanical Material	January 31, 2016	January 31, 2016	February 7, 2016	C
268	SUB-15-00009-GAZII-127-B	GAZII	B	AC Units Guard House	Mechanical Material	February 15, 2016	February 15, 2016	February 28, 2016	A
269	SUB-15-00009-GAZII-128-A	GAZII	A	Concrete Curing Method Statement	Method Statement	January 31, 2016	January 31, 2016	February 24, 2016	B

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270	SUB-15-00009-GAZII-128-B	GAZII	B	Concrete Curing Method Statement	Method Statement	March 10, 2016	March 10, 2016	March 21, 2016	A
271	SUB-15-00009-GAZII-129-A	GAZII	A	AC Units Electrical & Control Building	Mechanical Material	January 31, 2016	January 31, 2016	February 16, 2016	C
272	SUB-15-00009-GAZII-129-B	GAZII	B	AC Units Electrical & Control Building	Mechanical Material	February 24, 2016	February 24, 2016	March 3, 2016	A
273	SUB-15-00009-GAZII-130-A	GAZII	A	PVC-U Pipe for Sewage	Mechanical Material	January 31, 2016	January 31, 2016	February 16, 2016	D
274	SUB-15-00009-GAZII-130-B	GAZII	B	PVC-U Pipe for Sewage	Mechanical Material	February 24, 2016	February 24, 2016	March 2, 2016	A
275	SUB-15-00009-GAZII-131-A	GAZII	A	Stainless Steel Bolts and Nuts	Mechanical Material	January 31, 2016	January 31, 2016	February 16, 2016	C
276	SUB-15-00009-GAZII-131-B	GAZII	B	Stainless Steel Bolts and Nuts	Mechanical Material	February 24, 2016	February 24, 2016	March 1, 2016	A
279	SUB-15-00009-MAN-133-A	MAN	A	Maan Site Layout Shop Drawing	Shop drawing - Civil	January 31, 2016	January 31, 2016	February 23, 2016	C
280	SUB-15-00009-MAN-133-B	MAN	B	Maan Site Layout Shop Drawing	Shop drawing - Civil	February 25, 2016	February 25, 2016	March 15, 2016	A
281	SUB-15-00009-MAN-133-C	MAN	C	Maan Site Layout Shop Drawing	Shop drawing - Civil	April 24, 2016	April 24, 2016	April 27, 2016	E
282	SUB-15-00009-GAZII-134-A	GAZII	A	Guard House Electrical Shop Drawing	Shop drawing - Electrical	January 31, 2016	January 31, 2016	February 18, 2016	C
283	SUB-15-00009-GAZII-134-B	GAZII	B	Guard House Electrical Shop Drawing	Shop drawing - Electrical	February 22, 2016	February 22, 2016	March 7, 2016	C
284	SUB-15-00009-GAZII-134-C	GAZII	C	Guard House Electrical Shop Drawing	Shop drawing - Electrical	March 15, 2016	March 15, 2016	March 23, 2016	C
285	SUB-15-00009-GAZII-134-D	GAZII	D	Guard House Electrical Shop Drawing	Shop drawing - Electrical	May 8, 2016	May 8, 2016	May 15, 2016	A
286	~~SUB-15-00009-GAZII-135-A~~	~~GAZII~~	~~A~~	~~ARV Chamber Shop Drawing (Mechanical)~~	~~Shop drawing - Mechanical~~	~~January 31, 2016~~	~~January 31, 2016~~	~~February 7, 2016~~	~~Retracted~~
287	SUB-15-00009-GAZII-135-A	GAZII	A	ARV Chamber Shop Drawing (Mechanical)	Shop drawing - Mechanical	February 11, 2016	February 11, 2016	March 3, 2016	C

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288	SUB-15-00009-GAZII-135-B	GAZII	B	ARV Chamber Shop Drawing (Mechanical)	Shop drawing - Mechanical	March 13, 2016	March 13, 2016	March 22, 2016	B
289	SUB-15-00009-GAZII-135-C	GAZII	C	ARV Chamber Shop Drawing (Mechanical)	Shop drawing - Mechanical	April 10, 2016	April 10, 2016	April 17, 2016	A
290	SUB-15-00009-GAZII-136-A	GAZII	A	Concrete Ready-Mix Design Class B30-Size 20mm	Civil Material	February 1, 2016	February 1, 2016	February 9, 2016	C
291	SUB-15-00009-GAZII-136-B	GAZII	B	Concrete Ready-Mix Design Class B30-Size 20mm	Civil Material	March 10, 2016	March 10, 2016	March 15, 2016	E
292	SUB-15-00009-MAN-137-A	MAN	A	Ma'an Pipeline Shop Drawing	Shop drawing - Mechanical	February 3, 2016	February 3, 2016	February 25, 2016	C
293	SUB-15-00009-MAN-137-B	MAN	B	Ma'an Pipeline Shop Drawing	Shop drawing - Mechanical	May 5, 2016	May 5, 2016	May 22, 2016	C
294	SUB-15-00009-MAN-137-C	MAN	C	Ma'an Pipeline Shop Drawing	Shop drawing - Mechanical	June 19, 2016	June 19, 2016	June 23, 2016	C
295	SUB-15-00009-MAN-137-D	MAN	D	Ma'an Pipeline Shop Drawing	Shop drawing - Mechanical	July 28, 2016	July 28, 2016	August 1, 2016	A
296	SUB-15-00009-GAZII-138-A	GAZII	A	Emergency shower (disinfection building)	Mechanical Material	February 3, 2016	February 3, 2016	February 16, 2016	C
297	SUB-15-00009-GAZII-138-B	GAZII	B	Emergency shower (disinfection building)	Mechanical Material	April 24, 2016	April 24, 2016	May 11, 2016	C
298	SUB-15-00009-GAZII-138-C	GAZII	C	Emergency shower (disinfection building)	Mechanical Material	May 15, 2016	May 15, 2016	May 19, 2016	C
299	SUB-15-00009-GAZII-138-D	GAZII	D	Emergency shower (disinfection building)	Mechanical Material	June 7, 2016	June 7, 2016	June 16, 2016	B
300	SUB-15-00009-GAZII-138-E	GAZII	E	Emergency shower (disinfection building)	Mechanical Material	June 23, 2016	June 23, 2016	June 28, 2016	A
301	SUB-15-00009-GAZII-139-A	GAZII	A	Flange Ductile Iron Gasket	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	C
302	SUB-15-00009-GAZII-139-B	GAZII	B	Flange Ductile Iron Gasket	Mechanical Material	February 25, 2016	February 25, 2016	March 2, 2016	A
303	SUB-15-00009-GAZII-140-A	GAZII	A	Air Supply Grilles	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	C

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304	SUB-15-00009-GAZII-140-B	GAZII	B	Air Supply Grilles	Mechanical Material	February 23, 2016	February 23, 2016	February 28, 2016	A
305	SUB-15-00009-GAZII-141 A	GAZII	A	Air Exhaust Grilles	Mechanical Material	February 3, 2016	February 3, 2016	February 21, 2016	A
306	SUB-15-00009-GAZII-142-A	GAZII	A	Potable Water Tank	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	D
307	SUB-15-00009-GAZII-143-A	GAZII	A	PVC Sheet	Civil Material	February 3, 2016	February 3, 2016	February 23, 2016	A
308	SUB-15-00009-GAZII-144-A	GAZII	A	Steel Fittings - FIP Products	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	C
309	SUB-15-00009-GAZII-144-B	GAZII	B	Steel Fittings - FIP Products	Mechanical Material	February 24, 2016	February 24, 2016	March 1, 2016	B
310	SUB-15-00009-GAZII-144-C	GAZII	C	Steel Fittings - FIP Products	Mechanical Material	March 27, 2016	March 27, 2016	March 31, 2016	A
311	SUB-15-00009-GAZII-145-A	GAZII	A	Steel Flanges	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	D
312	SUB-15-00009-GAZII-145-B	GAZII	B	Steel Flanges	Mechanical Material	February 23, 2016	February 23, 2016	February 28, 2016	A
313	SUB-15-00009-GAZII-146-A	GAZII	A	Formwork Material (Retaining Wall and Chamber)- Tie Rod(6mm), Plywood(240cm*60 cm), Bracing Wood(5cm*10cm*3m), Bracing Wood(2 cm*10cm*3m), Plastic Spacer for Column, Walls and Beams/5cm	Civil Material & Sample	February 3, 2016	February 3, 2016	February 16, 2016	A
314	SUB-15-00009-GAZII-147-A	GAZII	A	Reservoir Drain Pipe & Fitting - Option II	Mechanical Material	February 3, 2016	February 3, 2016	February 17, 2016	A
315	SUB-15-00009-GAZII-148-A	GAZII	A	PVC Water Stop 150 mm	Civil Material	February 4, 2016	February 4, 2016	February 8, 2016	A
316	SUB-15-00009-GAZII-149-A	GAZII	A	Manhole Covers "750 mm"	Civil Material	February 7, 2016	February 7, 2016	February 25, 2016	C
317	SUB-15-00009-GAZII-149-B	GAZII	B	Manhole Covers "750 mm"	Civil Material	March 20, 2016	March 20, 2016	March 22, 2016	C
318	SUB-15-00009-GAZII-149-C	GAZII	C	Manhole Covers "750 mm"	Civil Material	April 4, 2016	April 4, 2016	April 28, 2016	B

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319	SUB-15-00009-GAZII-150-A	GAZII	A	Manhole Steps	Civil Material	February 7, 2016	February 7, 2016	February 28, 2016	C
320	SUB-15-00009-GAZII-151-A	GAZII	A	Method Statement for External Isolation Material (Nitoproof 30)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	A
321	SUB-15-00009-GAZII-152-A	GAZII	A	Method Statement for PVC Water stops Centefix 25cm & 15cm Wide)	Method Statement	February 7, 2016	February 7, 2016	March 1, 2016	A
322	SUB-15-00009-GAZII-153-A	GAZII	A	Method Statement for Swellable Water Stop-SW10	Method Statement	February 7, 2016	February 7, 2016	March 1, 2016	A
323	SUB-15-00009-GAZII-154-A	GAZII	A	Method Statement for Cementation Repair Mortar (Renderoc FC)	Method Statement	February 7, 2016	February 7, 2016	March 1, 2016	A
324	SUB-15-00009-GAZII-155-A	GAZII	A	Method Statement for Internal Epoxy Coating	Method Statement	February 7, 2016	February 7, 2016	February 16, 2016	C
325	SUB-15-00009-GAZII-155-B	GAZII	B	Method Statement for Internal Epoxy Coating	Method Statement	March 15, 2016	March 15, 2016	March 17, 2016	C
326	SUB-15-00009-GAZII-155-C	GAZII	C	Method Statement for Internal Epoxy Coating	Method Statement	March 20, 2016	March 20, 2016	March 21, 2016	A
327	SUB-15-00009-GAZII-156-A	GAZII	A	Method Statement for Non-Shrink Cementitious Grout for Tie Rods (Conbextra HF)	Method Statement	February 7, 2016	February 7, 2016	February 14, 2016	A
328	SUB-15-00009-GAZII-157-A	GAZII	A	Method Statement for Rapid Setting Cement- Based Water Stopping Mortar (Rendroc Plug)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	C
329	SUB-15-00009-GAZII-157-B	GAZII	B	Method Statement for Rapid Setting Cement- Based Water Stopping Mortar (Rendroc Plug)	Method Statement	March 20, 2016	March 20, 2016	March 21, 2016	A
330	SUB-15-00009-GAZII-158-A	GAZII	A	Method Statement for External Coating (Dekguard FC+Nitocote SN522)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	E
331	SUB-15-00009-GAZII-159-A	GAZII	A	Method Statement for Flexible Protective Coating to Prevent Corrosion of Concrete Surfaces (Nitocote EPU)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	B

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332	SUB-15-00009-GAZII-159-B	GAZII	B	Method Statement for Flexible Protective Coating to Prevent Corrosion of Concrete Surfaces (Nitocote EPU)	Method Statement	March 15, 2016	March 15, 2016	March 21, 2016	A
333	SUB-15-00009-GAZII-160-A	GAZII	A	Concrete Repair Method Statement (Renderoc FC, Nitobond SBR 201, Renderoc HS Xtra, Nitobond AR and Conbextra HF)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	A
334	SUB-15-00009-GAZII-161-A	GAZII	A	Method Statement for Crack Injection (Wet or Damp Conditions)	Method Statement	February 7, 2016	February 7, 2016	March 3, 2016	A
335	SUB-15-00009-GAZII-162-A	GAZII	A	LDPE Tube for Disinfection Building	Mechanical Material	February 9, 2016	February 9, 2016	February 28, 2016	D
336	SUB-15-00009-GAZII-162-B	GAZII	B	LDPE Tube for Disinfection Building	Mechanical Material	April 7, 2016	April 7, 2016	April 13, 2016	D
337	SUB-15-00009-GAZII-162-C	GAZII	C	LDPE Tube for Disinfection Building	Mechanical Material	June 7, 2016	June 7, 2016	June 12, 2016	C
338	SUB-15-00009-GAZII-163-A	GAZII	A	Emergency Shower (Disinfection Building) - Option II	Mechanical Material	February 9, 2016	February 9, 2016	March 1, 2016	C
339	SUB-15-00009-GAZII-163-B	GAZII	B	Emergency Shower (Disinfection Building) - Option II	Mechanical Material	June 23, 2016	June 23, 2016	June 28, 2016	E
340	SUB-15-00009-GAZII-164-A	GAZII	A	Chlorine Basket Strainer- (Disinfection Building)	Mechanical Material	February 9, 2016	February 9, 2016	February 23, 2016	C
341	SUB-15-00009-GAZII-164-B	GAZII	B	Chlorine Basket Strainer- (Disinfection Building)	Mechanical Material	February 25, 2016	February 25, 2016	March 1, 2016	A
342	SUB-15-00009-GAZII-165-A	GAZII	A	Chlorine Multifunctional Valve- (Disinfection Building)	Mechanical Material	February 9, 2016	February 9, 2016	February 28, 2016	C
343	SUB-15-00009-GAZII-165-B	GAZII	B	Chlorine Multifunctional Valve- (Disinfection Building)	Mechanical Material	April 28, 2016	April 28, 2016	May 15, 2016	A
344	~~SUB-15-00009-GAZII-166-A~~	~~GAZII~~	~~A~~	~~Chemical Storage Tank - Option II~~	~~Mechanical Material~~	~~February 9, 2016~~	~~February 9, 2016~~	~~February 13, 2016~~	~~Retracted~~
345	SUB-15-00009-GAZII-166-A	GAZII	A	Chemical Storage Tank - Option II	Mechanical Material	February 14, 2016	February 14, 2016	February 23, 2016	C

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346	SUB-15-00009-GAZII-166-B	GAZII	B	Chemical Storage Tank - Option II	Mechanical Material	May 3, 2016	May 3, 2016	May 15, 2016	C
347	SUB-15-00009-GAZII-166-C	GAZII	C	Chemical Storage Tank - Option II	Mechanical Material	May 17, 2016	May 17, 2016	May 25, 2016	C
348	SUB-15-00009-GAZII-167-A	GAZII	A	PAM Air Valve - Option II	Mechanical Material	February 9, 2016	February 9, 2016	February 28, 2016	D
349	SUB-15-00009-GAZII-167-B	GAZII	B	PAM Air Valve - Option II	Mechanical Material	March 3, 2016	March 3, 2016	March 8, 2016	E
350	SUB-15-00009-GAZII-168-A	GAZII	A	Galvanized Steel Roof Vent	Mechanical Material	February 9, 2016	February 9, 2016	February 17, 2016	D
351	SUB-15-00009-GAZII-168-B	GAZII	B	Galvanized Steel Roof Vent	Mechanical Material	March 24, 2016	March 24, 2016	April 10, 2016	C
352	SUB-15-00009-GAZII-168-C	GAZII	C	Galvanized Steel Roof Vent	Mechanical Material	May 8, 2016	May 8, 2016	May 15, 2016	C
353	SUB-15-00009-GAZII-168-D	GAZII	D	Galvanized Steel Roof Vent	Mechanical Material	June 8, 2016	June 8, 2016	June 9, 2016	A
354	SUB-15-00009-GAZII-169-A	GAZII	A	Disinfection Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	February 11, 2016	February 11, 2016	March 7, 2016	C
355	SUB-15-00009-GAZII-169-B	GAZII	B	Disinfection Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	March 28, 2016	March 28, 2016	April 10, 2016	C
356	SUB-15-00009-GAZII-169-C	GAZII	C	Disinfection Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	May 15, 2016	May 15, 2016	May 26, 2016	C
357	SUB-15-00009-GAZII-169-D	GAZII	D	Disinfection Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	June 7, 2016	June 7, 2016	June 12, 2016	A
358	SUB-15-00009-MAN-170-A	MAN	A	Float Control Valve (Maan)	Mechanical Material	February 11, 2016	February 11, 2016	February 17, 2016	C
359	SUB-15-00009-MAN-170-B	MAN	B	Float Control Valve (Maan)	Mechanical Material	February 24, 2016	February 24, 2016	March 21, 2016	C
360	SUB-15-00009-MAN-170-C	MAN	C	Float Control Valve (Maan)	Mechanical Material	June 23, 2016	June 23, 2016	July 12, 2016	D

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USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

No.	Submittal Number	Project	REV.	Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status
361	~~SUB-15-00009-MAN-170-D~~	~~MAN~~	~~D~~	~~Float Control Valve (Maan)~~	~~Mechanical Material~~	~~July 25, 2016~~	~~July 25, 2016~~	~~July 28, 2016~~	~~**Retracted**~~
362	SUB-15-00009-MAN-170-D	MAN	D	Float Control Valve (Maan)	Mechanical Material	August 3, 2016	August 3, 2016	August 4, 2016	B
363	~~SUB-15-00009-MAN-170-E~~	~~MAN~~	~~E~~	~~Float Control Valve (Maan)~~	~~Mechanical Material~~	~~August 14, 2016~~	~~August 14, 2016~~	~~August 15, 2016~~	~~**Retracted**~~
364	SUB-15-00009-MAN-170-E	MAN	E	Float Control Valve (Maan)	Mechanical Material	August 15, 2016	August 15, 2016	August 25, 2016	A
365	SUB-15-00009-GAZII-171-A	GAZII	A	BILCO Access Hatches	Civil Material	February 14, 2016	February 14, 2016	March 3, 2016	C
366	SUB-15-00009-GAZII-171-B	GAZII	B	BILCO Access Hatches	Civil Material	April 17, 2016	April 17, 2016	April 18, 2016	A
367	SUB-15-00009-GAZII-172-A	GAZII	A	Restrained Flange Coupling Adapter for UPVC Pipe	Mechanical Material	February 15, 2016	February 15, 2016	February 28, 2016	C
368	SUB-15-00009-GAZII-172-B	GAZII	B	Restrained Flange Coupling Adapter for UPVC Pipe	Mechanical Material	March 9, 2016	March 9, 2016	March 13, 2016	C
369	SUB-15-00009-GAZII-172-C	GAZII	C	Restrained Flange Coupling Adapter for UPVC Pipe	Mechanical Material	March 27, 2016	March 27, 2016	March 31, 2016	A
370	SUB-15-00009-GAZII-173-A	GAZII	A	Warning Tape-Water Pipelines- Warning Tape(Sample)	Civil Material & Sample	February 21, 2016	February 21, 2016	March 3, 2016	C
371	SUB-15-00009-GAZII-173-B	GAZII	B	Warning Tape-Water Pipelines- Warning Tape(Sample)	Civil Material & Sample	July 18, 2016	July 18, 2016	July 25, 2016	A
372	SUB-15-00009-GAZII-174-A	GAZII	A	Filter Fabric (Geotextile)- Filter Fabric (Sample)	Civil Material & Sample	February 21, 2016	February 21, 2016	March 3, 2016	A
375	SUB-15-00009-GAZII-176-A	GAZII	A	Ready Mix Concrete B300- CCQC Lab	Civil Material	February 22, 2016	February 22, 2016	March 1, 2016	C
376	SUB-15-00009-GAZII-176-B	GAZII	B	Ready Mix Concrete B300- CCQC Lab	Civil Material	March 10, 2016	March 10, 2016	March 15, 2016	E
377	SUB-15-00009-GAZII-177-A	GAZII	A	Confined Space Safety Plan	Construction	February 22, 2016	February 22, 2016	March 3, 2016	A

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Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

SUBMITTALS LOG

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378	SUB-15-00009-GAZII-178-A	GAZII	A	Steel Fence & Posts	Civil Material	February 23, 2016	February 23, 2016	March 13, 2016	C
379	SUB-15-00009-GAZII-178-B	GAZII	B	Steel Fence & Posts	Civil Material	March 21, 2016	March 21, 2016	March 23, 2016	A
380	SUB-15-00009-GAZII-179-A	GAZII	A	BOOSTER PUMP CONTROL VALVE	Mechanical Material	February 23, 2016	February 23, 2016	March 21, 2016	D
381	SUB-15-00009-GAZII-179-B	GAZII	B	BOOSTER PUMP CONTROL VALVE	Mechanical Material	May 5, 2016	May 5, 2016	May 19, 2016	D
382	SUB-15-00009-GAZII-180-A	GAZII	A	Pressure Level Transmitters - Option II	Mechanical Material	February 23, 2016	February 23, 2016	March 7, 2016	B
383	SUB-15-00009-GAZII-180-B	GAZII	B	Pressure Level Transmitters - Option II	Mechanical Material	March 27, 2016	March 27, 2016	April 5, 2016	A
384	SUB-15-00009-GAZII-181-A	GAZII	A	Excavation & Trenching Safety Plan	Construction	February 24, 2016	February 24, 2016	March 1, 2016	A
385	SUB-15-00009-GAZII-182-A	GAZII	A	Material and Method Statement for Expandable Water Stop Supercast SW30	Method Statement	February 25, 2016	February 25, 2016	February 28, 2016	A
386	SUB-15-00009-GAZII-183-A	GAZII	A	Pressure Switch – Mechanical	Mechanical Material	February 25, 2016	February 25, 2016	March 7, 2016	C
387	SUB-15-00009-GAZII-183-B	GAZII	B	Pressure Switch- Mechanical	Mechanical Material	March 9, 2016	March 9, 2016	March 21, 2016	C
388	SUB-15-00009-GAZII-183-C	GAZII	C	Pressure Switch- Mechanical	Mechanical Material	July 4, 2016	July 4, 2016	July 20, 2016	C
389	SUB-15-00009-GAZII-183-D	GAZII	D	Pressure Switch- Mechanical	Mechanical Material	August 11, 2016	August 11, 2016	September 4, 2016	C
390	SUB-15-00009-GAZII-184-A	GAZII	A	Pad Transformer- 400KVA	Electrical Material	February 28, 2016	February 28, 2016	March 21, 2016	C
391	SUB-15-00009-GAZII-184-B	GAZII	B	Pad Transformer- 400KVA	Electrical Material	April 6, 2016	April 6, 2016	May 5, 2016	C
392	SUB-15-00009-GAZII-184-C	GAZII	C	Pad Transformer- 400KVA	Electrical Material	September 21, 2016	September 21, 2016	September 22, 2016	E

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393	SUB-15-00009-GAZII-185-A	GAZII	A	VFD Components -Schneider	Electrical Material	February 28, 2016	February 28, 2016	March 15, 2016	C
394	SUB-15-00009-GAZII-185-B	GAZII	B	VFD Components -Schneider	Electrical Material	March 28, 2016	March 28, 2016	April 21, 2016	C
395	SUB-15-00009-GAZII-185-C	GAZII	C	VFD Components -Schneider	Electrical Material	May 3, 2016	May 3, 2016	May 19, 2016	C
396	SUB-15-00009-GAZII-185-D	GAZII	D	VFD Components -Schneider	Electrical Material	September 20, 2016	September 20, 2016	September 21, 2016	E
397	SUB-15-00009-MAN-186-A	MAN	A	Method Statement (Lowering Existing Pipes -MA'AN Project)	Construction	February 28, 2016	February 28, 2016	March 21, 2016	C
398	SUB-15-00009-MAN-186-B	MAN	B	Method Statement (Lowering Existing Pipes -MA'AN Project)	Construction	March 22, 2016	March 22, 2016	March 24, 2016	A
399	SUB-15-00009-GAZII-187-A	GAZII	A	Pressure Reducing Valve	Mechanical Material	February 29, 2016	February 29, 2016	March 21, 2016	C
400	SUB-15-00009-GAZII-187-B	GAZII	B	Pressure Reducing Valve	Mechanical Material	April 24, 2016	April 24, 2016	May 15, 2016	C
401	SUB-15-00009-GAZII-187-C	GAZII	C	Pressure Reducing Valve	Mechanical Material	May 22, 2016	May 22, 2016	June 7, 2016	C
402	SUB-15-00009-GAZII-187-D	GAZII	D	Pressure Reducing Valve	Mechanical Material	June 19, 2016	June 19, 2016	July 12, 2016	D
403	SUB-15-00009-GAZII-187-E	GAZII	E	Pressure Reducing Valve	Mechanical Material	July 25, 2016	July 25, 2016	August 22, 2016	B
404	SUB-15-00009-GAZII-187-F	GAZII	F	Pressure Reducing Valve	Mechanical Material	August 28, 2016	August 28, 2016	September 4, 2016	A
405	SUB-15-00009-MAN-188-A	MAN	A	Maan Excavation Plan Shop Drawing	Shop drawing - Civil	March 1, 2016	March 1, 2016	March 21, 2016	B
406	SUB-15-00009-MAN-188-B	MAN	B	Maan Excavation Plan Shop Drawing	Shop drawing - Civil	May 3, 2016	May 3, 2016	May 22, 2016	A
409	SUB-15-00009-GAZII-190-A	GAZII	A	Side Manway Material Submittal	Mechanical Material	March 1, 2016	March 1, 2016	March 8, 2016	A

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414	SUB-15-00009-MAN-192-A	MAN	A	Maan Coordination study-Electrical	Electrical Material	March 1, 2016	March 1, 2016	March 21, 2016	C
415	SUB-15-00009-MAN-192-B	MAN	B	Maan Coordination study-Electrical	Electrical Material	July 17, 2016	July 17, 2016	July 26, 2016	B
416	~~SUB-15-00009-MAN-192-C~~	~~MAN~~	~~C~~	~~Maan Coordination study-Electrical~~	~~Electrical Material~~	~~July 28, 2016~~	~~July 28, 2016~~	~~August 4, 2016~~	~~Retracted~~
417	SUB-15-00009-MAN-192-C	MAN	C	Maan Coordination study-Electrical	Electrical Material	September 21, 2016	September 21, 2016	September 22, 2016	E
418	SUB-15-00009-MAN-193-A	MAN	A	Ma'an Architectural & Structural Retaining Walls Shop Drawing	Shop drawing - Civil	March 2, 2016	March 2, 2016	March 21, 2016	C
419	SUB-15-00009-MAN-193-B	MAN	B	Ma'an Architectural & Structural Retaining Walls Shop Drawing	Shop drawing - Civil	March 27, 2016	March 27, 2016	April 13, 2016	A
420	SUB-15-00009-MAN-193-C	MAN	C	Ma'an Architectural & Structural Retaining Walls Shop Drawing	Shop drawing - Civil	April 24, 2016	April 24, 2016	April 27, 2016	E
421	SUB-15-00009-GAZII-194-A	GAZII	A	Concrete Repair Material - Option II (SikaRep & Sikagrout-200)	Civil Material	March 3, 2016	March 3, 2016	March 22, 2016	C
422	SUB-15-00009-GAZII-194-B	GAZII	B	Concrete Repair Material - Option II (SikaRep & Sikagrout-200)	Civil Material	May 9, 2016	May 9, 2016	May 22, 2016	C
423	SUB-15-00009-GAZII-195-A	GAZII	A	Waterproofing Membrane Sheet (Building Roofs Isolation/PAZKAR	Civil Material	March 3, 2016	March 3, 2016	March 22, 2016	B
424	SUB-15-00009-GAZII-196-A	GAZII	A	Seismic Cans - with Samples	Civil Material	March 6, 2016	March 6, 2016	March 21, 2016	A
425	SUB-15-00009-GAZII-197-A	GAZII	A	Disinfection Building-Electrical Shop Drawing	Electrical Material	March 9, 2016	March 9, 2016	March 21, 2016	C
426	SUB-15-00009-GAZII-197-B	GAZII	B	Disinfection Building-Electrical Shop Drawing	Shop drawing - Electrical	March 28, 2016	March 28, 2016	April 13, 2016	C
427	SUB-15-00009-GAZII-197-C	GAZII	C	Disinfection Building-Electrical Shop Drawing	Shop drawing - Electrical	April 14, 2016	April 14, 2016	April 21, 2016	B
428	SUB-15-00009-GAZII-197-D	GAZII	D	Disinfection Building-Electrical Shop Drawing	Shop drawing - Electrical	April 24, 2016	April 24, 2016	May 10, 2016	A

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429	SUB-15-00009-GAZII-198-A	GAZII	A	Steel Pipe- Mechanical	Mechanical Material	March 9, 2016	March 9, 2016	March 13, 2016	A
430	SUB-15-00009-GAZII-199-A	GAZII	A	Flange Insulation Kit (SGM)	Mechanical Material	March 9, 2016	March 9, 2016	March 13, 2016	E
431	SUB-15-00009-GAZII-200-A	GAZII	A	Link Seal	Mechanical Material	March 9, 2016	March 9, 2016	March 13, 2016	A
432	SUB-15-00009-GAZII-201-A	GAZII	A	Wash-Out Chamber Shop Drawing - Mechanical	Shop drawing - Mechanical	March 13, 2016	March 13, 2016	March 21, 2016	C
433	SUB-15-00009-GAZII-201-B	GAZII	B	Wash-Out Chamber Shop Drawing - Mechanical	Shop drawing - Mechanical	March 28, 2016	March 28, 2016	April 5, 2016	C
434	SUB-15-00009-GAZII-201-C	GAZII	C	Wash-Out Chamber Shop Drawing - Mechanical	Shop drawing - Mechanical	April 10, 2016	April 10, 2016	April 17, 2016	A
435	SUB-15-00009-GAZII-202-A	GAZII	A	Gate valve chamber shop drawing - Mechanical	Shop drawing - Mechanical	March 13, 2016	March 13, 2016	March 22, 2016	C
436	SUB-15-00009-GAZII-202-B	GAZII	B	Gate valve chamber shop drawing - Mechanical	Shop drawing - Mechanical	March 24, 2016	March 24, 2016	April 4, 2016	C
437	SUB-15-00009-GAZII-202-C	GAZII	C	Gate valve chamber shop drawing - Mechanical	Shop drawing - Mechanical	April 10, 2016	April 10, 2016	April 18, 2016	A
438	SUB-15-00009-GAZII-203-A	GAZII	A	BFV chamber shop drawing - Mechanical	Shop drawing - Mechanical	March 15, 2016	March 15, 2016	March 21, 2016	C
439	SUB-15-00009-GAZII-203-B	GAZII	B	BFV chamber shop drawing - Mechanical	Shop drawing - Mechanical	March 28, 2016	March 28, 2016	April 5, 2016	A
440	SUB-15-00009-GAZII-204-A	GAZII	A	Formwork Materials (Retaining Wall & Chambers) - Samples	Civil Material & Sample	March 16, 2016	March 16, 2016	March 22, 2016	C
441	SUB-15-00009-GAZII-204-B	GAZII	B	Formwork Materials (Retaining Wall & Chambers) - Samples	Civil Material & Sample	March 24, 2016	March 24, 2016	April 3, 2016	A
442	SUB-15-00009-GAZII-205-A	GAZII	A	Sealant for Expansion Joint (Reservoir & Retaining Wall)	Civil Material	March 16, 2016	March 16, 2016	March 21, 2016	B
443	SUB-15-00009-GAZII-205-B	GAZII	B	Sealant for Expansion Joint (Reservoir & Retaining Wall)	Civil Material	March 24, 2016	March 24, 2016	April 4, 2016	A

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SUBMITTALS LOG

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444	SUB-15-00009-GAZII-206-A	GAZII	A	Electrical & Control Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	March 17, 2016	March 17, 2016	March 31, 2016	C
445	SUB-15-00009-GAZII-206-B	GAZII	B	Electrical & Control Building Shop Drawing (MECHANICAL)	Shop drawing - Mechanical	April 20, 2016	April 20, 2016	April 28, 2016	A
446	SUB-15-00009-GAZII-207-A	GAZII	A	Gaurd House Mechanical shop drawing	Shop drawing - Mechanical	March 17, 2016	March 17, 2016	April 3, 2016	C
447	SUB-15-00009-GAZII-207-B	GAZII	B	Gaurd House Mechanical shop drawing	Shop drawing - Mechanical	April 12, 2016	April 12, 2016	April 19, 2016	C
448	SUB-15-00009-GAZII-207-C	GAZII	C	Gaurd House Mechanical shop drawing	Shop drawing - Mechanical	April 28, 2016	April 28, 2016	May 3, 2016	A
453	SUB-15-00009-MAN-209-A	MAN	A	Ma'an electrical & Control Room – electrical shop drawing	Shop drawing - Electrical	March 20, 2016	March 20, 2016	March 31, 2016	C
454	SUB-15-00009-MAN-209-B	MAN	B	Ma'an electrical & Control Room – electrical shop drawing	Shop drawing - Electrical	May 8, 2016	May 8, 2016	May 16, 2016	C
455	SUB-15-00009-MAN-209-C	MAN	C	Ma'an electrical & Control Room – electrical shop drawing	Shop drawing - Electrical	May 22, 2016	May 22, 2016	May 30, 2016	B
456	SUB-15-00009-MAN-209-D	MAN	D	Ma'an electrical & Control Room – electrical shop drawing	Shop drawing - Electrical	June 7, 2016	June 7, 2016	June 12, 2016	A
463	SUB-15-00009-MAN-211-A	MAN	A	Ma'an Vertical Booster Pump & Motors - Option II	Mechanical Material	March 20, 2016	March 20, 2016	April 13, 2016	C
464	SUB-15-00009-MAN-211-B	MAN	B	Ma'an Vertical Booster Pump & Motors - Option II	Mechanical Material	April 28, 2016	April 28, 2016	May 16, 2016	C
465	SUB-15-00009-MAN-211-C	MAN	C	Ma'an Vertical Booster Pump & Motors - Option II	Mechanical Material	June 23, 2016	June 23, 2016	July 12, 2016	C
466	SUB-15-00009-MAN-211-D	MAN	D	Ma'an Vertical Booster Pump & Motors - Option II	Mechanical Material	July 24, 2016	July 24, 2016	August 4, 2016	B
467	~~SUB-15-00009-MAN-211-E~~	~~MAN~~	~~E~~	~~Ma'an Vertical Booster Pump & Motors - Option II~~	~~Mechanical Material~~	~~August 14, 2016~~	~~August 14, 2016~~	~~August 15, 2016~~	~~Retracted~~

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468	SUB-15-00009-MAN-211-E	MAN	E	Ma'an Vertical Booster Pump & Motors - Option II	Mechanical Material	August 15, 2016	August 15, 2016	August 25, 2016	A
469	SUB-15-00009-GAZII-212-A	GAZII	A	Cast iron drainage system	Mechanical Material	March 24, 2016	March 24, 2016	March 31, 2016	A
470	SUB-15-00009-GAZII-213-A	GAZII	A	VFD for Booster Pump - Electrical shop drawing	Shop drawing - Electrical	March 28, 2016	March 28, 2016	April 13, 2016	C
471	SUB-15-00009-GAZII-213-B	GAZII	B	VFD for Booster Pump - Electrical shop drawing	Shop drawing - Electrical	April 14, 2016	April 14, 2016	April 24, 2016	B
472	SUB-15-00009-GAZII-213-C	GAZII	C	VFD for Booster Pump - Electrical shop drawing	Shop drawing - Electrical	April 25, 2016	April 25, 2016	May 11, 2016	A
473	SUB-15-00009-GAZII-214-A	GAZII	A	PLC System - Electrical	Electrical Material	March 29, 2016	March 29, 2016	April 21, 2016	C
474	SUB-15-00009-GAZII-214-B	GAZII	B	PLC System - Electrical	Electrical Material	April 28, 2016	April 28, 2016	May 15, 2016	C
475	SUB-15-00009-GAZII-214-C	GAZII	C	PLC System - Electrical	Electrical Material	May 24, 2016	May 24, 2016	June 7, 2016	B
476	SUB-15-00009-GAZII-215-A	GAZII	A	Reservoir panel (LALL-211, LCP)	Electrical Material	March 30, 2016	March 30, 2016	April 13, 2016	A
477	SUB-15-00009-GAZII-216-A	GAZII	A	Reservoirs Panel (LCP)- ELECTRICAL SHOPDRAWING	Shop drawing - Electrical	March 30, 2016	March 30, 2016	April 13, 2016	C
478	SUB-15-00009-GAZII-216-B	GAZII	B	Reservoirs Panel (LCP)- ELECTRICAL SHOPDRAWING	Shop drawing - Electrical	April 14, 2016	April 14, 2016	April 19, 2016	B
479	SUB-15-00009-GAZII-216-C	GAZII	C	Reservoirs Panel (LCP)- ELECTRICAL SHOPDRAWING	Shop drawing - Electrical	June 12, 2016	June 12, 2016	June 14, 2016	A
480	SUB-15-00009-GAZII-217-A	GAZII	A	Premium Accuracy Pressure Transmitter	Mechanical & Electrical Material	March 31, 2016	March 31, 2016	April 21, 2016	C
481	SUB-15-00009-GAZII-217-B	GAZII	B	Premium Accuracy Pressure Transmitter	Mechanical & Electrical Material	May 29, 2016	May 29, 2016	June 7, 2016	C
482	SUB-15-00009-GAZII-217-C	GAZII	C	Premium Accuracy Pressure Transmitter	Mechanical & Electrical Material	August 11, 2016	August 11, 2016	August 25, 2016	B

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483	SUB-15-00009-GAZII-218-A	GAZII	A	Electromagnetic Flow Meter - Option II	Mechanical & Electrical Material	March 31, 2016	March 31, 2016	April 19, 2016	D
484	SUB-15-00009-GAZII-218-B	GAZII	B	Electromagnetic Flow Meter - Option II	Mechanical & Electrical Material	May 24, 2016	May 24, 2016	June 2, 2016	D
485	SUB-15-00009-GAZII-218-C	GAZII	C	Electromagnetic Flow Meter - Option II	Mechanical & Electrical Material	June 29, 2016	June 29, 2016	July 20, 2016	C
486	SUB-15-00009-GAZII-218-D	GAZII	D	Electromagnetic Flow Meter - Option II	Mechanical & Electrical Material	August 4, 2016	August 4, 2016	August 7, 2016	A
487	SUB-15-00009-GAZII-219-A	GAZII	A	UPS System -Components	Electrical Material	April 3, 2016	April 3, 2016	April 21, 2016	C
488	SUB-15-00009-GAZII-219-B	GAZII	B	UPS System -Components	Electrical Material	May 10, 2016	May 10, 2016	May 16, 2016	C
489	SUB-15-00009-GAZII-220-A	GAZII	A	PVC Pipe (20") - Option II	Mechanical Material	April 3, 2016	April 3, 2016	April 7, 2016	A
490	SUB-15-00009-GAZII-221-A	GAZII	A	Retaining Wall Formwork Design	Construction	April 3, 2016	April 3, 2016	April 7, 2016	E
492	~~SUB-15-00009-GAZII-223-A~~	~~GAZII~~	~~A~~	~~Submittals Log Up to Date April 6, 2016~~	~~Construction~~	~~April 6, 2016~~	~~April 6, 2016~~	~~April 20, 2016~~	~~Retracted~~
493	SUB-15-00009-GAZII-223-A	GAZII	A	Updated Safety Plan Up to April 2016	Updated Safety Plan	May 8, 2016	May 8, 2016	May 26, 2016	A
494	SUB-15-00009-GAZII-224-A	GAZII	A	Dosing Pump	Mechanical Material	April 6, 2016	April 6, 2016	April 19, 2016	C
495	SUB-15-00009-GAZII-224-B	GAZII	B	Dosing Pump	Mechanical Material	April 24, 2016	April 24, 2016	April 28, 2016	A
498	SUB-15-00009-GAZII-226-A	GAZII	A	Bolts, Washers and Nuts for Chambers	Mechanical Material	April 12, 2016	April 12, 2016	April 19, 2016	C
499	SUB-15-00009-GAZII-226-B	GAZII	B	Bolts, Washers and Nuts for Chambers	Mechanical Material	April 24, 2016	April 24, 2016	May 10, 2016	C
500	SUB-15-00009-GAZII-226-C	GAZII	C	Bolts, Washers and Nuts for Chambers	Mechanical Material	May 29, 2016	May 29, 2016	May 30, 2016	A

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501	SUB-15-00009-GAZII-227-A	GAZII	A	Reservoir Scaffolding Calculation Sheet	Construction	April 12, 2016	April 12, 2016	April 21, 2016	C
502	SUB-15-00009-GAZII-227-B	GAZII	B	Reservoir Scaffolding Calculation Sheet	Construction	May 15, 2016	May 15, 2016	May 24, 2016	B
503	SUB-15-00009-GAZII-227-C	GAZII	C	Reservoir Scaffolding Calculation Sheet	Construction	June 7, 2016	June 7, 2016	June 9, 2016	E
506	SUB-15-00009-GAZII-229-A	GAZII	A	VFD SIEMENS - Option II	Electrical Material	April 20, 2016	April 20, 2016	May 15, 2016	C
507	~~SUB-15-00009-GAZII-229-B~~	~~GAZII~~	~~B~~	~~VFD SIEMENS - Option II~~	~~Electrical Material~~	~~May 24, 2016~~	~~May 24, 2016~~	~~June 7, 2016~~	~~Retracted~~
508	SUB-15-00009-GAZII-229-B	GAZII	B	VFD SIEMENS - Option II	Electrical Material	June 14, 2016	June 14, 2016	July 3, 2016	C
509	SUB-15-00009-GAZII-229-C	GAZII	C	VFD SIEMENS - Option II	Electrical Material	July 12, 2016	July 12, 2016	July 20, 2016	C
510	SUB-15-00009-GAZII-229-D	GAZII	D	VFD SIEMENS - Option II	Electrical Material	August 11, 2016	August 11, 2016	August 16, 2016	A
514	SUB-15-00009-MAN-231-A	MAN	A	Ma'an Guard House Shop Drawing / Structural & Architectural	Shop drawing - Civil	April 24, 2016	April 24, 2016	May 19, 2016	E
517	SUB-15-00009-GAZII-233-A	GAZII	A	Ready Mix Concrete Batching Plant (Al Tahrer Company for ready mix concrete)	Construction	April 25, 2016	April 25, 2016	May 10, 2016	E
518	SUB-15-00009-GAZII-234-A	GAZII	A	Break Tank Wall to Roof Joint Details – With Sample	Civil Material & Sample	April 25, 2016	April 25, 2016	May 16, 2016	C
519	SUB-15-00009-GAZII-234-B	GAZII	B	Break Tank Wall to Roof Joint Details – With Sample	Civil Material & Sample	August 7, 2016	August 7, 2016	August 8, 2016	E
520	SUB-15-00009-GAZII-235-A	GAZII	A	Warning Tape Water Pipeline(Option II)-Warning Tape (Sample)	Civil Material & Sample	April 27, 2016	April 27, 2016	May 17, 2016	C
524	SUB-15-00009-GAZII-237-A	GAZII	A	Strainer - Option II	Mechanical Material	April 28, 2016	April 28, 2016	May 15, 2016	B
525	SUB-15-00009-GAZII-238-A	GAZII	A	Domed Centrifugal FRP Fans (Disinfection Building)	Mechanical Material	May 3, 2016	May 3, 2016	May 15, 2016	A

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526	SUB-15-00009-GAZII-239-A	GAZII	A	Wall Mounted Exhaust Fan (Guard House)	Mechanical Material	May 3, 2016	May 3, 2016	May 10, 2016	A
527	SUB-15-00009-GAZII-240-A	GAZII	A	HVCP panel- (Disinfection)	Electrical Material	May 3, 2016	May 3, 2016	May 16, 2016	B
528	SUB-15-00009-GAZII-240-B	GAZII	B	HVCP panel- (Disinfection)	Electrical Material	May 17, 2016	May 17, 2016	May 19, 2016	A
529	SUB-15-00009-GAZII-241-A	GAZII	A	lightning protection system components	Electrical Material	May 3, 2016	May 3, 2016	May 16, 2016	C
530	SUB-15-00009-GAZII-241-B	GAZII	B	lightning protection system components	Electrical Material	May 17, 2016	May 17, 2016	May 19, 2016	A
531	SUB-15-00009-GAZII-242-A	GAZII	A	HVCP Panel Shop drawing	Shop drawing - Electrical	May 3, 2016	May 3, 2016	May 16, 2016	B
532	SUB-15-00009-GAZII-242-B	GAZII	B	HVCP Panel Shop drawing	Shop drawing - Electrical	May 17, 2016	May 17, 2016	May 18, 2016	A
533	SUB-15-00009-GAZII-243-A	GAZII	A	External Isolation Material (Bitumen 60-70)	Civil Material	May 5, 2016	May 5, 2016	May 15, 2016	A
534	SUB-15-00009-GAZII-244-A	GAZII	A	lightning protection system shop drawing	Shop drawing - Electrical	May 5, 2016	May 5, 2016	May 15, 2016	C
535	SUB-15-00009-GAZII-244-B	GAZII	B	lightning protection system shop drawing	Shop drawing - Electrical	May 19, 2016	May 19, 2016	May 30, 2016	B
536	SUB-15-00009-GAZII-244-C	GAZII	C	lightning protection system shop drawing	Shop drawing - Electrical	June 16, 2016	June 16, 2016	June 19, 2016	A
537	SUB-15-00009-GAZII-245-A	GAZII	A	Submittal Schedule Monthly Update of April, 2016	Updated Submittal Schedual	May 5, 2016	May 5, 2016	May 22, 2016	B
538	SUB-15-00009-GAZII-246-A	GAZII	A	Pressure Sustaining Control valve	Mechanical Material	May 5, 2016	May 5, 2016	May 19, 2016	C
539	SUB-15-00009-GAZII-246-B	GAZII	B	Pressure Sustaining Control valve	Mechanical Material	July 4, 2016	July 4, 2016	July 13, 2016	C
540	SUB-15-00009-GAZII-246-C	GAZII	C	Pressure Sustaining Control valve	Mechanical Material	August 4, 2016	August 4, 2016	August 22, 2016	B

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541	SUB-15-00009-GAZII-246-D	GAZII	D	Pressure Sustaining Control valve	Mechanical Material	August 28, 2016	August 28, 2016	September 4, 2016	A
542	SUB-15-00009-GAZII-247-A	GAZII	A	Updated Construction Risk Management Program (CRMP) up to April 2016	Updated CRMP	May 8, 2016	May 8, 2016	May 19, 2016	B
543	SUB-15-00009-GAZII-248-A	GAZII	A	Internal Coating Material Sika Top Seal 107	Civil Material	May 9, 2016	May 9, 2016	May 19, 2016	E
544	SUB-15-00009-GAZII-249-A	GAZII	A	Updated Environmental Monitoring & Mitigation Plan (April, 2016)	Updated EMMP	May 10, 2016	May 10, 2016	May 18, 2016	A
545	SUB-15-00009-GAZII-250-A	GAZII	A	Method Statement for Casting Concrete for Reservoirs Foundation in One Stage	Construction	May 10, 2016	May 10, 2016	May 19, 2016	E
546	SUB-15-00009-GAZII-251-A	GAZII	A	Filter Fabric (Geotextile) – with sample	Civil Material & Sample	May 10, 2016	May 10, 2016	May 22, 2016	C
547	SUB-15-00009-GAZII-251-B	GAZII	B	Filter Fabric (Geotextile) – with sample	Civil Material & Sample	July 3, 2016	July 3, 2016	July 18, 2016	A
548	SUB-15-00009-GAZII-252-A	GAZII	A	UPS PANEL Electrical Shop Drawing	Shop drawing - Electrical	May 10, 2016	May 10, 2016	May 19, 2016	C
551	SUB-15-00009-MAN-254-A	MAN	A	Ma'an Disinfection Building Shop Drawing - Structural & Architectural	Shop drawing - Civil	May 10, 2016	May 10, 2016	May 30, 2016	C
552	SUB-15-00009-MAN-254-B	MAN	B	Ma'an Disinfection Building Shop Drawing - Structural & Architectural	Shop drawing - Civil	June 7, 2016	June 7, 2016	June 14, 2016	A
553	SUB-15-00009-GAZII-255-A	GAZII	A	Ball Valves DN50 & Smaller - Option II	Mechanical Material	May 15, 2016	May 15, 2016	May 19, 2016	C
554	SUB-15-00009-GAZII-255-B	GAZII	B	Ball Valves DN50 & Smaller - Option II	Mechanical Material	June 7, 2016	June 7, 2016	June 8, 2016	A
555	SUB-15-00009-GAZII-256-A	GAZII	A	Float Level Switch - Option II	Mechanical Material	May 15, 2016	May 15, 2016	May 18, 2016	A
556	SUB-15-00009-GAZII-257-A	GAZII	A	Float Level Switch -Disinfection Building	Mechanical Material	May 15, 2016	May 15, 2016	May 19, 2016	D
557	SUB-15-00009-GAZII-258-A	GAZII	A	Flow Switch - Option II	Mechanical Material	May 15, 2016	May 15, 2016	May 18, 2016	A

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558	SUB-15-00009-GAZII-259-A	GAZII	A	Reservoir Roof Slab & Columns Formwork	Construction	May 19, 2016	May 19, 2016	May 24, 2016	B
559	SUB-15-00009-GAZII-259-B	GAZII	B	Reservoir Roof Slab & Columns Formwork	Construction	June 7, 2016	June 7, 2016	June 8, 2016	E
560	SUB-15-00009-GAZII-260-A	GAZII	A	RIO Panel (disinfection)	Electrical Material	May 22, 2016	May 22, 2016	May 30, 2016	C
561	SUB-15-00009-GAZII-261-A	GAZII	A	RIO Panel -electrical shop drawing	Shop drawing - Electrical	May 22, 2016	May 22, 2016	May 30, 2016	C
564	SUB-15-00009-GAZII-263-A	GAZII	A	Concrete Ready-Mix Design for D1 (21MPa)	Civil Material	May 29, 2016	May 29, 2016	June 6, 2016	C
565	SUB-15-00009-GAZII-263-B	GAZII	B	Concrete Ready-Mix Design for D1 (21MPa)	Civil Material	June 23, 2016	June 23, 2016	July 3, 2016	A
566	SUB-15-00009-GAZII-264-A	GAZII	A	Sealant for Expansion Joint (Reservoir & Retaining Wall) - Option II	Civil Material	May 29, 2016	May 29, 2016	June 2, 2016	C
569	SUB-15-00009-MAN-266-A	MAN	A	Ma'an Electrical & Control Building Structural & Architectural Shop Drawing	Shop drawing - Civil	May 29, 2016	May 29, 2016	June 15, 2016	C
570	SUB-15-00009-MAN-266-B	MAN	B	Ma'an Electrical & Control Building Structural & Architectural Shop Drawing	Shop drawing - Civil	June 16, 2016	June 16, 2016	June 23, 2016	A
571	SUB-15-00009-GAZII-267-A	GAZII	A	Ultrasonic Level Transmitters	Mechanical Material	June 7, 2016	June 7, 2016	June 8, 2016	D
572	SUB-15-00009-GAZII-267-B	GAZII	B	Ultrasonic Level Transmitters	Mechanical Material	June 29, 2016	June 29, 2016	July 3, 2016	B
573	SUB-15-00009-GAZII-268-A	GAZII	A	Expansion Joint – Stenflex	Mechanical Material	June 7, 2016	June 7, 2016	June 8, 2016	C
574	SUB-15-00009-GAZII-268-B	GAZII	B	Expansion Joint – Stenflex	Mechanical Material	June 12, 2016	June 12, 2016	June 15, 2016	A
575	SUB-15-00009-MAN-269-A	MAN	A	Maan Reservoir's thimbles Shop Drawings (Mechanical)	Shop drawing - Mechanical	June 7, 2016	June 7, 2016	June 16, 2016	B
576	SUB-15-00009-MAN-269-B	MAN	B	Maan Reservoir's thimbles Shop Drawings (Mechanical)	Shop drawing - Mechanical	June 23, 2016	June 23, 2016	June 29, 2016	A

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577	SUB-15-00009-GAZII-270-A	GAZII	A	Updated CPM Schedule Submittal May 31, 2016	Updated CPM Submittal	June 8, 2016	June 8, 2016	June 19, 2016	B
578	SUB-15-00009-GAZII-271-A	GAZII	A	Submittal Schedule Monthly Update of May, 2016	Updated Submittal Schedual	June 8, 2016	June 8, 2016	June 14, 2016	B
579	SUB-15-00009-GAZII-272-A	GAZII	A	Updated Construction Risk Management Program (CRMP) up to May 2016	Updated CRMP	June 16, 2016	June 16, 2016	June 19, 2016	C
580	SUB-15-00009-GAZII-272-B	GAZII	B	Updated Construction Risk Management Program (CRMP) up to May 2016	Updated CRMP	June 23, 2016	June 23, 2016	June 30, 2016	A
581	~~SUB-15-00009-GAZII-273-A~~	~~GAZII~~	~~A~~	~~Epoxy Bonding Agent~~	~~Civil Material~~	~~June 19, 2016~~	~~June 19, 2016~~	~~June 21, 2016~~	~~Retracted~~
582	SUB-15-00009-GAZII-273-A	GAZII	A	Updated Environmental Monitoring & Mitigation Plan (May, 2016)	Updated EMMP	June 23, 2016	June 23, 2016	July 3, 2016	A
583	SUB-15-00009-GAZII-274-A	GAZII	A	Operation And Maintenance Manuals for Equipment and System (Table of Content)	O&M	June 23, 2016	June 23, 2016	July 3, 2016	C
584	SUB-15-00009-GAZII-274-B	GAZII	B	Operation And Maintenance Manuals for Equipment and System (Table of Content)	O&M	August 17, 2016	August 17, 2016	August 18, 2016	B
585	SUB-15-00009-GAZII-275-A	GAZII	A	Precast Manhole 1.50×1.50 m - Shop Drawing	Shop drawing - Civil	June 26, 2016	June 26, 2016	July 3, 2016	C
586	SUB-15-00009-GAZII-275-B	GAZII	B	Precast Manhole 1.50×1.50 m - Shop Drawing	Shop drawing - Civil	July 12, 2016	July 12, 2016	July 26, 2016	B
587	SUB-15-00009-GAZII-275-C	GAZII	C	Precast Manhole 1.50×1.50 m - Shop Drawing	Shop drawing - Civil	July 28, 2016	July 28, 2016	August 1, 2016	A
593	SUB-15-00009-GAZII-277-A	GAZII	A	PP-R Pipe for Disinfection Building	Mechanical Material	June 26, 2016	June 26, 2016	July 3, 2016	B
594	SUB-15-00009-GAZII-277-B	GAZII	B	PP-R Pipe for Disinfection Building	Mechanical Material	July 12, 2016	July 12, 2016	July 13, 2016	A
595	SUB-15-00009-MAN-278-A	MAN	A	Night Working- Maan	Construction	June 26, 2016	June 26, 2016	June 30, 2016	A
597	SUB-15-00009-GAZII-280-A	GAZII	A	Method Statement for Internal Epoxy Coating for Steel Pipes Inside Chambers	Civil Material	June 27, 2016	June 27, 2016	July 13, 2016	A

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598	SUB-15-00009-GAZII-281-A	GAZII	A	Method Statement for Repairing Pipes Cement Mortar	Civil Material	June 27, 2016	June 27, 2016	July 13, 2016	A
599	SUB-15-00009-GAZII-282-A	GAZII	A	Harness Mechanical Coupling for Pump Discharge	Mechanical Material	June 27, 2016	June 27, 2016	July 3, 2016	A
600	SUB-15-00009-GAZII-283-A	GAZII	A	Heat Shrinkable Sleeves & Tapes for Pipes	Mechanical Material	June 27, 2016	June 27, 2016	July 3, 2016	A
601	SUB-15-00009-GAZII-284-A	GAZII	A	Reservoir Spools Formwork Shop Drawing & Calculation Sheets	Shop drawing - Mechanical	June 29, 2016	June 29, 2016	July 3, 2016	B
602	SUB-15-00009-GAZII-285-A	GAZII	A	Aluminum Rails	Mechanical Material	July 3, 2016	July 3, 2016	July 14, 2016	C
603	SUB-15-00009-GAZII-285-B	GAZII	B	Aluminum Rails	Mechanical Material	August 4, 2016	August 4, 2016	August 21, 2016	B
604	SUB-15-00009-GAZII-286-A	GAZII	A	Reservoir Sponge Rubber Sample for the Joint to between Wall and Roof Slab – With Sample	Civil Material	July 10, 2016	July 12, 2016	July 13, 2016	A
605	SUB-15-00009-GAZII-287-A	GAZII	A	Flange Adapter for Exist UPVC Pipes	Mechanical Material	July 12, 2016	July 12, 2016	July 13, 2016	C
606	SUB-15-00009-GAZII-287-B	GAZII	B	Flange Adapter for Exist UPVC Pipes	Mechanical Material	July 24, 2016	July 24, 2016	August 1, 2016	B
607	SUB-15-00009-GAZII-288-A	GAZII	A	Steel Pipes for Network Line Chambers	Mechanical Material	July 12, 2016	July 12, 2016	July 17, 2016	B
608	SUB-15-00009-GAZII-289-A	GAZII	A	Expandable Water Stop Adhesive - With Sample	Civil Material	July 14, 2016	July 14, 2016	July 18, 2016	A
609	SUB-15-00009-MAN-290-A	MAN	A	Corrective Plan for the Noncompliance of Concrete Strength 28-day, Placed at Ma'an Reservoir Foundation.	Construction	July 14, 2016	July 14, 2016	July 25, 2016	B
610	SUB-15-00009-MAN-290-B	MAN	B	Corrective Plan for the Noncompliance of Concrete Strength 28-day, Placed at Ma'an Reservoir Foundation.	Construction	July 26, 2016	July 26, 2016	July 27, 2016	A
611	SUB-15-00009-GAZII-291-A	GAZII	A	Updated Environmental Monitoring & Mitigation Plan (June, 2016)	Updated EMMP	July 17, 2016	July 17, 2016	July 21, 2016	A

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612	SUB-15-00009-GAZII-292-A	GAZII	A	Updated Construction Risk Management Program (CRMP) up to June 2016	Updated CRMP	July 17, 2016	July 17, 2016	July 21, 2016	A
613	SUB-15-00009-GAZII-293-A	GAZII	A	Updated Safety Plan up to June 2016	Updated Safety Plan	July 17, 2016	July 17, 2016	July 21, 2016	A
614	SUB-15-00009-GAZII-294-A	GAZII	A	Submittal Schedule Monthly Update of June, 2016	Updated Submittal Schedual	July 17, 2016	July 17, 2016	July 21, 2016	B
615	SUB-15-00009-GAZII-295A	GAZII	A	Updated CPM Schedule Submittal June 30, 2016	Updated CPM Submittal	July 18, 2016	July 18, 2016	July 27, 2016	B
616	SUB-15-00009-GAZII-296-A	GAZII	A	Lighting Fixture - Option III	Electrical Material	July 18, 2016	July 18, 2016	July 26, 2016	C
617	SUB-15-00009-GAZII-296-B	GAZII	B	Lighting Fixture - Option III	Electrical Material	July 28, 2016	July 28, 2016	August 3, 2016	A
618	SUB-15-00009-GAZII-297-A	GAZII	A	Galvanized Steel Pipes for Ventilation	Mechanical Material	July 18, 2016	July 18, 2016	July 24, 2016	B
619	SUB-15-00009-GAZII-298-A	GAZII	A	Epoxy Coating Material - Nitoflor FC130	Civil Material	July 19, 2016	July 19, 2016	July 31, 2016	A
620	SUB-15-00009-GAZII-299-A	GAZII	A	Epoxy Coating Material - Nitoflor FC150	Civil Material	July 19, 2016	July 19, 2016	July 31, 2016	A
623	SUB-15-00009-MAN-301-A	MAN	A	Ma'an Site Layout – Electrical Shop Drawing	Shop drawing - Civil	July 25, 2016	July 25, 2016	August 3, 2016	C
624	SUB-15-00009-MAN-301-B	MAN	B	Ma'an Site Layout – Electrical Shop Drawing	Shop drawing - Civil	August 21, 2016	August 21, 2016	August 28, 2016	C
625	SUB-15-00009-MAN-301-C	MAN	C	Ma'an Site Layout – Electrical Shop Drawing	Shop drawing - Civil	September 5, 2016	September 5, 2016	September 18, 2016	B
626	SUB-15-00009-MAN-301-D	MAN	D	Ma'an Site Layout – Electrical Shop Drawing	Shop drawing - Civil	September 20, 2016	September 20, 2016	September 22, 2016	A
627	SUB-15-00009-GAZII-302-A	GAZII	A	Transformer -400KVA	Electrical Material	July 28, 2016	July 28, 2016	August 15, 2016	B
628	SUB-15-00009-GAZII-302-B	GAZII	B	Transformer -400KVA	Electrical Material	August 17, 2016	August 17, 2016	August 31, 2016	A

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629	SUB-15-00009-GAZII-303-A	GAZII	A	PP-R Pipe for Disinfection Building- Pilsa	Shop drawing - Civil	July 28, 2016	July 28, 2016	August 2, 2016	B
630	SUB-15-00009-GAZII-304-A	GAZII	A	Operator Laptop- PLC	Electrical Material	July 31, 2016	July 31, 2016	August 21, 2016	B
631	SUB-15-00009-GAZII-305-A	GAZII	A	Human Mechanical Interface (HMI) Views	Electrical Material	August 3, 2016	August 3, 2016	August 14, 2016	C
632	SUB-15-00009-MAN-306-A	MAN	A	Bi-Level Control Valves- Maan	Mechanical Material	August 3, 2016	August 3, 2016	August 17, 2016	D
633	SUB-15-00009-MAN-306-B	MAN	B	Bi-Level Control Valves- Maan	Mechanical Material	September 7, 2016	September 7, 2016	September 21, 2016	C
634	SUB-15-00009-GAZII-307-A	GAZII	A	Submittal Schedule Monthly Update of July, 2016	Updated Submittal Schedual	August 7, 2016	August 7, 2016	August 11, 2016	B
635	SUB-15-00009-GAZII-308-A	GAZII	A	Updated Safety Plan up to July 2016	Updated Safety Plan	August 7, 2016	August 7, 2016	August 18, 2016	A
636	SUB-15-00009-GAZII-309-A	GAZII	A	Updated Construction Risk Management Program (CRMP) up to July 2016	Updated CRMP	August 7, 2016	August 7, 2016	August 22, 2016	A
638	SUB-15-00009-MAN-311-A	MAN	A	Final Coordination Study (Maan) - Electrical	Electrical Material	August 11, 2016	August 11, 2016	August 23, 2016	A
639	SUB-15-00009-GAZII-312-A	GAZII	A	Asphalt Batch Mix Plant (Al Qawood Company)	Construction	August 16, 2016	August 16, 2016	August 22, 2016	E
640	SUB-15-00009-GAZII-313-A	GAZII	A	Revised CPM Schedule as per VO 01 - August 03, 2016	Revised CPM	August 17, 2016	August 17, 2016	September 4, 2016	C
641	SUB-15-00009-GAZII-313-B	GAZII	B	Revised CPM Schedule as per VO 01 - August 03, 2016	Revised CPM	September 8, 2016	September 8, 2016	September 22, 2016	B
642	SUB-15-00009-GAZII-313-C	GAZII	C	Revised CPM Schedule as per VO 01 - August 03, 2016	Revised CPM	September 26, 2016	September 26, 2016	September 27, 2016	A
643	SUB-15-00009-MAN-314-A	MAN	A	Bi-Level Control Valve (BERMAD) - Ma'an	Mechanical Material	August 18, 2016	August 18, 2016	August 22, 2016	D
644	SUB-15-00009-GAZII-315-A	GAZII	A	Butterfly Valve Chamber Structural – Shop Drawing	Mechanical Material	August 21, 2016	August 21, 2016	September 7, 2016	C

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645	SUB-15-00009-GAZII-315-B	GAZII	B	Butterfly Valve Chamber Structural – Shop Drawing	Mechanical Material	September 29, 2016	September 29, 2016		Under Review
646	SUB-15-00009-GAZII-316-A	GAZII	A	Float Switch-Disinfection Building- ABB	Electrical Material	August 21, 2016	August 21, 2016	August 30, 2016	D
647	SUB-15-00009-GAZII-317-A	GAZII	A	Updated Environmental Monitoring & Mitigation Plan (July, 2016)	Updated EMMP	August 22, 2016	August 22, 2016	August 29, 2016	A
648	SUB-15-00009-GAZII-318-A	GAZII	A	Steel Pipes for Booster and Reservoirs (6", 8", 10")	Mechanical Material	August 24, 2016	August 24, 2016	September 6, 2016	C
649	SUB-15-00009-GAZII-318-B	GAZII	B	Steel Pipes for Booster and Reservoirs (6", 8", 10")	Mechanical Material	September 8, 2016	September 8, 2016	September 18, 2016	C
650	SUB-15-00009-GAZII-319-A	GAZII	A	Jack Support - Mechanical	Mechanical Material	August 24, 2016	August 24, 2016	September 4, 2016	C
651	SUB-15-00009-GAZII-319-B	GAZII	B	Jack Support - Mechanical	Mechanical Material	September 8, 2016	September 8, 2016	September 19, 2016	A
652	SUB-15-00009-GAZII-320-A	GAZII	A	Stainless Steel Tags for Valves	Mechanical Material	August 24, 2016	August 24, 2016	August 28, 2016	A
653	SUB-15-00009-GAZII-321-A	GAZII	A	Precast Manholes 2.5 X 2.0 m- Shop Drawing	Shop drawing - Civil	August 28, 2016	August 28, 2016	September 8, 2016	D
654	SUB-15-00009-GAZII-322-A	GAZII	A	Block Factory – Maroof Company	Civil Material	August 28, 2016	August 28, 2016	September 7, 2016	D
655	SUB-15-00009-GAZII-323-A	GAZII	A	Power Cable - Option II	Electrical Material	August 29, 2016	August 29, 2016	September 6, 2016	C
656	SUB-15-00009-GAZII-323-B	GAZII	B	Power Cable - Option II	Electrical Material	September 19, 2016	September 19, 2016		Under Review
657	SUB-15-00009-GAZII-324-A	GAZII	A	Modified BFV Chamber Mechanical Shop Drawing	Shop drawing - Mechanical	August 29, 2016	August 29, 2016	September 6, 2016	C
658	SUB-15-00009-GAZII-325-A	GAZII	A	Power Utility Metering Panel	Electrical Material	August 30, 2016	August 30, 2016	September 8, 2016	C
659	SUB-15-00009-GAZII-326-A	GAZII	A	Updated Traffic Plan (September 2016)	Updated Traffic Plan	August 31, 2016	August 31, 2016	September 8, 2016	A

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660	SUB-15-00009-GAZII-327-A	GAZII	A	Booster Control Valve	Mechanical Material	September 4, 2016	September 4, 2016	September 8, 2016	C
661	SUB-15-00009-GAZII-327-B	GAZII	B	Booster Control Valve	Mechanical Material	September 18, 2016	September 18, 2016	September 26, 2016	C
662	SUB-15-00009-GAZII-328-A	GAZII	A	Pump Station Shed Structural Design & Shop Drawing	Shop drawing - Civil	September 4, 2016	September 4, 2016	September 22, 2016	C
663	SUB-15-00009-GAZII-328-B	GAZII	B	Pump Station Shed Structural Design & Shop Drawing	Shop drawing - Civil	September 29, 2016	September 29, 2016		Under Review
664	SUB-15-00009-GAZII-329-A	GAZII	A	Intrusion Switch-Option II	Electrical Material	September 5, 2016	September 5, 2016	September 15, 2016	D
665	SUB-15-00009-MAN-330-A	MAN	A	Ma'an Boundary Fence - Shop Drawing	Shop drawing - Civil	September 5, 2016	September 5, 2016	September 28, 2016	C
666	SUB-15-00009-GAZII-331-A	GAZII	A	Warning Tape-Water Pipelines- Option II	Mechanical Material	September 6, 2016	September 6, 2016	September 8, 2016	A
667	SUB-15-00009-GAZII-332-A	GAZII	A	Section 7 A:Preliminary Operation & Maintenance Manual for PN16 UPVC Pipes and Fittings	O&M	September 8, 2016	September 8, 2016	September 20, 2016	C
668	SUB-15-00009-GAZII-333-A	GAZII	A	Updated Safety Plan up to August 2016	Updated Safety Plan	September 8, 2016	September 8, 2016	September 18, 2016	A
669	SUB-15-00009-GAZII-334-A	GAZII	A	Updated Construction Risk Management Program (CRMP) up to August 2016	Updated CRMP	September 8, 2016	September 8, 2016	September 18, 2016	A
670	SUB-15-00009-GAZII-335-A	GAZII	A	Submittal Schedule Monthly Update of August, 2016	Updated Submittal Schedual	September 8, 2016	September 8, 2016	September 25, 2016	A
671	SUB-15-00009-GAZII-336-A	GAZII	A	Concrete Repair Material for Reservoir (SikaRep)	Civil Material	September 18, 2016	September 18, 2016	September 28, 2016	C
672	SUB-15-00009-GAZII-337-A	GAZII	A	El Hela Company for Concrete Manholes	Civil Material	September 21, 2016	September 21, 2016		Under Review
673	SUB-15-00009-GAZII-338-A	GAZII	A	Grout Material for Seismic Can	Civil Material	September 21, 2016	September 21, 2016	September 21, 2016	A
674	SUB-15-00009-GAZII-339-A	GAZII	A	Bolts for Booster Station	Mechanical Material	September 25, 2016	September 25, 2016		Under Review

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675	SUB-15-00009-GAZII-340-A	GAZII	A	Steel Flange for Booster Station	Mechanical Material	September 25, 2016	September 25, 2016		Under Review
676	SUB-15-00009-GAZII-341-A	GAZII	A	Steel Fittings for Booster Station	Mechanical Material	September 25, 2016	September 25, 2016		Under Review
678	SUB-15-00009-GAZII-343-A	GAZII	A	Updated Environmental Monitoring & Mitigation Plan (August, 2016)	Updated EMMP	September 28, 2016	September 28, 2016		Under Review
679	SUB-15-00009-GAZII-344-A	GAZII	A	Plaster Accessories –With Samples	Civil Material	September 29, 2016	September 29, 2016		Under Review

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Annex H – QC Submittals Log

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QC SUBMITTALS LOG

No.	QC Submittal Number	REV.	QC Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status	Test Result	Remedial Action (If Failed)
1	TEST-15-00009-BER-001-A	A	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 1	Material test	February 25, 2016	February 25, 2016	March 7, 2016	C	Failed	Remove from Site
2	TEST-15-00009-BER-001-B	B	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 1	Material test	July 17, 2016	July 17, 2016	July 19, 2016	E	removed	
3	TEST-15-00009-BER-002-A	A	Steel Rebar's Test Reports (Φ16 & Φ20)	Material test	February 28, 2016	February 28, 2016	March 7, 2016	A	Passed	-
4	TEST-15-00009-MAN-003-A	A	Steel Rebar's Test Reports (Φ16 & Φ20)	Material test	February 28, 2016	February 28, 2016	March 7, 2016	A	Passed	-
5	TEST-15-00009-GAZII-004-A	A	Concrete Ready-Mix Design 28-Days Concrete Compressive Strength Test Reports	Material test	March 10, 2016	March 10, 2016	March 16, 2016	C	Failed	Waiting Lab Recommendation
6	TEST-15-00009-GAZII-004-B	B	Concrete Ready-Mix Design 28-Days Concrete Compressive Strength Test Reports	Material test	March 20, 2016	March 20, 2016	March 22, 2016	A	Passed	-
7	TEST-15-00009-MAN-005-A	A	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 1	Material test	March 15, 2016	March 15, 2016	March 22, 2016	C	Failed	Waiting Lab Recommendation
8	TEST-15-00009-MAN-005-B	B	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 1	Material test	March 29, 2016	March 29, 2016	April 18, 2016	A	Passed	
9	TEST-15-00009-BER-006-A	A	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 2	Material test	March 17, 2016	March 17, 2016	March 21, 2016	C	Failed	Retest
10	TEST-15-00009-BER-006-B	B	Base Coarse Test Report Enbi Ha Negev Ha Ma'arb Ltd. Company – Trial 2	Material test	March 29, 2016	March 29, 2016	April 18, 2016	A	Passed	
11	TEST-15-00009-MAN-007-A	A	Soil classification report under reservoir formation	Soil Classification	March 30, 2016	March 30, 2016	April 4, 2016	C	Failed	Modification Report
12	TEST-15-00009-MAN-007-B	B	Soil classification report under reservoir formation	Soil Classification	April 4, 2016	April 4, 2016	April 26, 2016	A	Passed	
13	TEST-15-00009-BER-008-A	A	Compaction Test- Subgrade under RW (8-9)	Compaction Test	April 3, 2016	April 3, 2016	April 21, 2016	A	Passed	
14	TEST-15-00009-BER-009-A	A	Backfilling Material	Material test	April 3, 2016	April 3, 2016	April 26, 2016	A	Passed	
15	~~TEST-15-00009-MAN-010-A~~	~~A~~	~~Lab Recommendation for Existing Percolation Pit Ma'an~~	~~Test~~	~~April 3, 2016~~	~~April 3, 2016~~	~~April 24, 2016~~	~~Retraeted~~		
16	TEST-15-00009-GAZII-010-A	A	Trial Mix 14MPa-Cylinder (Al Tawwn Batch Plant)	Trial Mix	May 8, 2016	May 8, 2016	May 18, 2016	A	Passed	
17	TEST-15-00009-GAZII-011-A	A	Trial Mix 30MPa-Cylinder (Al Tawwn Batch Plant)	Trial Mix	April 14, 2016	April 14, 2016	April 20, 2016	C	Failed	Modification Report
18	TEST-15-00009-GAZII-011-B	B	Trial Mix 30MPa-Cylinder (Al Tawwn Batch Plant)	Trial Mix	May 8, 2016	May 8, 2016	May 16, 2016	A	Passed	
19	TEST-15-00009-BER-012-A	A	Soil Classification Report for Al Berkah Site	Soil Classification	April 14, 2016	April 14, 2016	May 10, 2016	A	Passed	

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20	TEST-15-00009-BER-013-A	A	Compaction test for subgrade under Al Berkah retaining wall Step No.2, 3, 4&5 – segment 1-2 & 2-3	Compaction Test	April 17, 2016	April 17, 2016	April 21, 2016	A	Passed	
21	TEST-15-00009-BER-014-A	A	Compaction test for Base Course Layer Under Al Berkah Retaining Wall Step No.2, 3, 4&5 – segment 1-2 & 2-3	Compaction Test	April 20, 2016	April 20, 2016	April 21, 2016	C	Failed	Retest after re-compaction
22	TEST-15-00009-BER-014-B	B	Compaction test for Base Course Layer Under Al Berkah Retaining Wall Step No.2, 3, 4&5 – segment 1-2 & 2-3	Compaction Test	April 24, 2016	April 24, 2016	April 25, 2016	A	Passed	
23	TEST-15-00009-GAZII-015-A	A	Trial Mix 35MPa-Cylinder (Al Tawwn Batch Plant) 7 Days Results	Trial Mix	April 20, 2016	April 20, 2016	April 26, 2016	C	Failed	modification Report
24	TEST-15-00009-GAZII-015-B	B	Trial Mix 35MPa-Cylinder (Al Tawwn Batch Plant) 7 Days Results	Trial Mix	May 22, 2016	May 22, 2016	May 23, 2016	A	Passed	
25	TEST-15-00009-BER-016-A	A	Compaction test for subgrade under Al Berkah retaining wall Step No1&2 – segment 3-4	Compaction Test	April 21, 2016	April 21, 2016	April 25, 2016	A	Passed	
26	TEST-15-00009-MAN-017-A	A	Calcareous sand stone (kurkar) for soil improvement under reservoir	Material test	May 2, 2016	May 2, 2016	May 16, 2016	A	Passed	
27	TEST-15-00009-BER-018-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Al Berkah RW Foundation Segments (1-2) & (2-3)	Concrete Compressive Strength	May 8, 2016	May 8, 2016	May 16, 2016	C	Failed	Modification Report
28	TEST-15-00009-BER-018-B	B	Compressive Strength for 7 days of 30 MPa Concrete for Al Berkah RW Foundation Segments (1-2) & (2-3)	Concrete Compressive Strength	May 22, 2016	May 22, 2016	May 23, 2016	A	Passed	
29	TEST-15-00009-MAN-019-A	A	Compressive Strength for 7 days of 28 MPa Concrete for the encasement for existing water pipes under reservoir	Concrete Compressive Strength	May 8, 2016	May 8, 2016	May 16, 2016	C	Failed	Modification Report
30	TEST-15-00009-MAN-019-B	B	Compressive Strength for 7 days of 28 MPa Concrete for the encasement for existing water pipes under reservoir	Concrete Compressive Strength	May 22, 2016	June 22, 2016	May 23, 2016	A	Passed	
31	TEST-15-00009-MAN-020-A	A	Compaction test for subgrade under reservoir level (82.20)	Compaction Test	May 8, 2016	May 8, 2016	May 8, 2016	A	Passed	
32	TEST-15-00009-BER-021-A	A	Compressive Strength for 7 days of 14 MPa Concrete for the Plain Concrete under RW	Concrete Compressive Strength	May 8, 2016	May 8, 2016	May 16, 2016	C	Failed	Modification Report
33	TEST-15-00009-BER-021-B	B	Compressive Strength for 7 days of 14 MPa Concrete for the Plain Concrete under RW	Concrete Compressive Strength	May 22, 2016	May 22, 2016	June 2, 2016	B	Passed	
34	TEST-15-00009-BER-021-C	C	Compressive Strength for 7 days of 14 MPa Concrete for the Plain Concrete under RW	Concrete Compressive Strength	June 5, 2016	June 5, 2016	June 6, 2016	A	Passed	
35	TEST-15-00009-BER-022-A	A	Compaction test for the existing soil under reservoir	Compaction Test	May 9, 2016	May 9, 2016	May 16, 2016	A	Passed	

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36	TEST-15-00009-MAN-023-A	A	Compaction test for the compacted first layer under Ma'an reservoir	Compaction Test	May 10, 2016	May 10, 2016	May 16, 2016	A	Passed	
37	TEST-15-00009-BER-024-A	A	Compaction test for the compacted first layer under Al Berkah reservoir	Compaction Test	May 10, 2016	May 10, 2016	May 16, 2016	A	Passed	
38	TEST-15-00009-BER-025-A	A	Compressive Strength for 7 days of 30 MPa Concrete for the Al Berkah RW foundation part of segment (2-3) and segment (3-4)	Concrete Compressive Strength	May 11, 2016	May 11, 2016	May 16, 2016	B	Passed	Modification Report
39	TEST-15-00009-BER-025-B	B	Compressive Strength for 7 days of 30 MPa Concrete for the Al Berkah RW foundation part of segment (2-3) and segment (3-4)	Concrete Compressive Strength	May 22, 2016	May 22, 2016	May 23, 2016	A	Passed	
40	TEST-15-00009-BER-026-A	A	Compaction test for the compacted second layer under Al Berkah reservoir	Compaction Test	May 11, 2016	May 11, 2016	May 16, 2016	A	Passed	
41	TEST-15-00009-MAN-027-A	A	Compaction test for the compacted second layer under Ma'an reservoir	Compaction Test	May 11, 2016	May 12, 2016	May 16, 2016	A	Passed	
42	TEST-15-00009-BER-028-A	A	Compaction test for third layer under Al Berkah reservoir	Compaction Test	May 12, 2016	May 12, 2016	May 16, 2016	A	Passed	
43	TEST-15-00009-MAN-029-A	A	Compaction test for third layer under Ma'an reservoir	Compaction Test	May 18, 2016	May 18, 2016	May 18, 2016	A	Passed	
44	TEST-15-00009-MAN-030-A	A	Compressive Strength for 7 days of 28 MPa Concrete for the drain pipe under Ma'an reservoir	Concrete Compressive Strength	May 22, 2016	May 22, 2016	May 23, 2016	B	Passed	
45	TEST-15-00009-MAN-030-B	B	Compressive Strength for 7 days of 28 MPa Concrete for the drain pipe under Ma'an reservoir	Concrete Compressive Strength	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	
46	TEST-15-00009-BER-031-A	A	Compaction test for fourth layer under Al Berkah reservoir	Compaction Test	May 22, 2016	May 22, 2016	May 22, 2016	A	Passed	
47	TEST-15-00009-MAN-032-A	A	Steel Rebar's Test Reports (Φ20 & Φ25)	Material test	May 22, 2016	May 22, 2016	May 23, 2016	C	Failed	Source Certificate
48	TEST-15-00009-MAN-032-B	B	Steel Rebar's Test Reports (Φ20 & Φ25)	Material test	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	
49	TEST-15-00009-GAZII-033-A	A	Trial Mix 14MPa-Cylinder (Al Tawwn Batch Plant) – compressive strength test after 28 days	Trial Mix	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	
50	TEST-15-00009-MAN-034-A	A	Compressive Strength for 28 days of 28 MPa Concrete for the encasement for existing water pipes under reservoir	Concrete Compressive Strength	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	
51	TEST-15-00009-MAN-035-A	A	Compaction test for the compacted subgrade layer under Ma'an RW	Compaction Test	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	

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Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

QC SUBMITTALS LOG

No.	QC Submittal Number	REV.	QC Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status	Test Result	Remedial Action (If Failed)
52	TEST-15-00009-MAN-036-A	A	Compaction test for Base Course Layer Under Ma'an Retaining Wall	Compaction Test	May 24, 2016	May 24, 2016	June 1, 2016	A	Passed	
53	TEST-15-00009-BER-037-A	A	Compressive Strength for 7 days of 30 MPa Concrete for RW (Wall) part A of segment (1-2) and part (A, C) of segment (3-4).	Concrete Compressive Strength	May 25, 2016	May 25, 2016	June 1, 2016	A	Passed	
54	TEST-15-00009-BER-038-A	A	Compressive Strength for 7 days of 30 MPa Concrete for RW Wall part F of segment (2-3)	Concrete Compressive Strength	May 25, 2016	May 25, 2016	June 1, 2016	A	Passed	
55	TEST-15-00009-GAZII-039-A	A	Trial Mix 28 Mpa (Al Tawwn batch plant) 7 days	Trial Mix	May 25, 2016	May 25, 2016	June 1, 2016	A	Passed	
56	TEST-15-00009-GAZII-040-A	A	7 Days Results for 35 MPa-Cylinder Trial Mix -Al Hadetha Company for Ready Mix Concrete	Trial Mix	May 26, 2016	May 26, 2016	June 1, 2016	C	Failed	Modification Report
57	TEST-15-00009-GAZII-040-B	B	7 Days Results for 35 MPa-Cylinder Trial Mix -Al Hadetha Company for Ready Mix Concrete	Trial Mix	June 5, 2016	June 5, 2016	June 6, 2016	A	Passed	
58	TEST-15-00009-MAN-041-A	A	Compressive Strength for 7 days of 14 MPa Concrete for plain concrete under Ma'an reservoir	Concrete Compressive Strength	May 29, 2016	May 29, 2016	June 2, 2016	A	Passed	
59	TEST-15-00009-BER-042-A	A	Compressive Strength for 28 days of 30 MPa Concrete for RW foundation for segment (1-2) and part of segment (2-3).	Concrete Compressive Strength	May 29, 2016	May 29, 2016	June 1, 2016	A	Passed	
60	TEST-15-00009-GAZII-043-A	A	7 Days Results for 35 MPa-Cylinder Trial Mix -Al Tahreer Company for Ready Mix Concrete	Trial Mix	May 29, 2016	May 29, 2016	June 1, 2016	A	Passed	
61	TEST-15-00009-BER-044-A	A	Compressive Strength for 7 days of 30 MPa Concrete for RW (Wall) part (E, G) of segment (2-3) and part (B, D) of segment (3-4).	Concrete Compressive Strength	May 29, 2016	May 29, 2016	June 1, 2016	A	Passed	
62	TEST-15-00009-BER-045-A	A	Steel Rebar's Test Reports (Φ25)	Material test	May 31, 2016	May 31, 2016	June 1, 2016	A	Passed	
63	TEST-15-00009-BER-046-A	A	Compressive Strength for 28 days of 14 MPa Concrete for the blinding of RW for segment (3-4) and part of segment (2-3).	Concrete Compressive Strength	May 31, 2016	May 31, 2016	June 2, 2016	B	Passed	
64	TEST-15-00009-BER-046-B	B	Compressive Strength for 28 days of 14 MPa Concrete for the blinding of RW for segment (3-4) and part of segment (2-3).	Concrete Compressive Strength	June 5, 2016	June 5, 2016	June 6, 2016	A	Passed	
65	TEST-15-00009-BER-047-A	A	Compressive Strength for 7 days of 14 MPa Concrete for the blinding of Al Berkah reservoir	Concrete Compressive Strength	May 31, 2016	May 31, 2016	June 2, 2016	C	Failed	Add slump value to report
66	TEST-15-00009-BER-047-B	B	Compressive Strength for 7 days of 14 MPa Concrete for the blinding of Al Berkah reservoir	Concrete Compressive Strength	June 5, 2016	June 5, 2016	June 6, 2016	A	Passed	
67	TEST-15-00009-BER-048-A	A	Compressive Strength for 28 days of 30 MPa Concrete for RW foundation of part of segment (2-3) and Segment (3-4)	Concrete Compressive Strength	June 2, 2016	June 2, 2016	June 6, 2016	A	Passed	

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68	TEST-15-00009-MAN-049-A	A	Compressive Strength for 7 days of 14 MPa Concrete for Ma'an RW plain concrete	Concrete Compressive Strength	June 2, 2016	June 2, 2016	June 6, 2016	A	Passed	
69	TEST-15-00009-BER-050-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Al Berkah Retaining Wall Segment 1-2 Part C. Segment 2-3 Part (A, C) Segment 3-4 Part E	Concrete Compressive Strength	June 5, 2016	June 5, 2016	June 6, 2016	A	Passed	
70	TEST-15-00009-BER-051-A	A	Steel Rebar's Test Reports (Φ20 & Φ25)	Material test	June 7, 2016	June 7, 2016	June 8, 2016	A	Passed	
71	TEST-15-00009-MAN-052-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Ma'an RW foundation for Segment (6-6A) and segment (6-6B).	Concrete Compressive Strength	June 7, 2016	June 7, 2016	June 8, 2016	A	Passed	
72	TEST-15-00009-MAN-053-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an reservoir foundation.	Concrete Compressive Strength	June 8, 2016	June 8, 2016	June 12, 2016	A	Passed	
73	TEST-15-00009-BER-054-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Al Berkah RW (walls) for part (B, D) of segment (1-2) and part (B, D) of segment (2-3)	Concrete Compressive Strength	June 9, 2016	June 9, 2016	June 12, 2016	A	Passed	
74	TEST-15-00009-MAN-055-A	A	Compressive Strength for 28 days of 28 MPa Concrete for drain pipe encasement under Ma'an reservoir	Concrete Compressive Strength	June 12, 2016	June 12, 2016	June 13, 2016	A	Passed	
75	TEST-15-00009-GAZII-056-A	A	Trial Mix 35MPa-Cylinder (Al Tawwn Batch Plant) 28 Days Results	Trial Mix	June 12, 2016	June 12, 2016	June 13, 2016	A	Passed	
76	TEST-15-00009-BER-057-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah reservoir foundation.	Concrete Compressive Strength	June 13, 2016	June 13, 2016	June 16, 2016	A	Passed	
77	TEST-15-00009-BER-058-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Al Berkah RW walls Segment 1-2 Part A &. Segment 3-4 Part (A, C)	Concrete Compressive Strength	June 14, 2016	June 14, 2016	June 16, 2016	A	Passed	
78	TEST-15-00009-GAZII-059-A	A	Trial Mix 28MPa-Cylinder (Al Tawwn Batch Plant) + 28 days compressive strength for drain pipe encasement under Al Berkah reservoir	Trial Mix	June 15, 2016	June 15, 2016	June 19, 2016	A	Passed	
79	TEST-15-00009-BER-060-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Al Berkah RW walls Segment 2-3 Part F	Concrete Compressive Strength	June 15, 2016	June 15, 2016	June 19, 2016	A	Passed	
80	TEST-15-00009-BER-061-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Al Berkah RW walls Segment 1-2 Part E	Concrete Compressive Strength	June 15, 2016	June 15, 2016	June 19, 2016	A	Passed	
81	TEST-15-00009-BER-062-A	A	Compaction test for subgrade layer in construction site as shown in attached drawing	Compaction Test	June 15, 2016	June 15, 2016	June 19, 2016	A	Passed	
82	TEST-15-00009-GAZII-063-A	A	Trial Mix 35 MPa-Cylinder (Al Tahreer Batch Plant) – 28 days	Trial Mix	June 16, 2016	June 16, 2016	June 19, 2016	A	Passed	
83	TEST-15-00009-MAN-064-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Ma'an RW walls Segment 6-6A Parts (A, C)	Concrete Compressive Strength	June 16, 2016	June 16, 2016	June 19, 2016	A	Passed	

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84	TEST-15-00009-MAN-065-A	A	Compressive Strength for 28 days of 14 MPa Concrete for Plain concrete under Ma'an Reservoir	Concrete Compressive Strength	June 16, 2016	June 16, 2016	June 23, 2016	A	Passed	
85	TEST-15-00009-BER-066-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 19, 2016	June 19, 2016	June 23, 2016	A	Passed	
86	TEST-15-00009-BER-067-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 19, 2016	June 19, 2016	June 23, 2016	C	Failed	Deep compaction test requied
87	TEST-15-00009-BER-067-B	B	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	July 3, 2016	July 3, 2016	July 4, 2016	A	Passed	
88	TEST-15-00009-BER-068-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 19, 2016	June 19, 2016	June 23, 2016	C	Failed	Deep compaction test requied
89	TEST-15-00009-BER-068-B	B	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	July 3, 2016	July 3, 2016	July 4, 2016	A	Passed	
90	TEST-15-00009-BER-069-A	A	Compressive Strength for 28 days of 30 MPa Concrete for RW (Wall) part (E, G) of segment (2-3) and part (B, D) of segment (3-4).	Concrete Compressive Strength	June 19, 2016	June 19, 2016	June 23, 2016	A	Passed	
91	TEST-15-00009-MAN-070-A	A	Compressive Strength for 7 days of 30 MPa Concrete for Ma'an RW (Wall) part (B) of segment (6-6A) and part (A) of segment (6-6B).	Concrete Compressive Strength	June 20, 2016	June 20, 2016	June 23, 2016	C	Failed	Modification Report
92	TEST-15-00009-MAN-070-B	B	Compressive Strength for 7 days of 30 MPa Concrete for Ma'an RW (Wall) part (B) of segment (6-6A) and part (A) of segment (6-6B).	Concrete Compressive Strength	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
93	TEST-15-00009-BER-071-A	A	Backfilling soil "Sand" for Al Berkah Project	Material test	June 20, 2016	June 20, 2016	June 23, 2016	A	Passed	
94	TEST-15-00009-BER-072-A	A	Compressive Strength for 28 days of 14 MPa Concrete for the blinding of Al Berkah reservoir	Concrete Compressive Strength	June 20, 2016	June 20, 2016	June 23, 2016	A	Passed	
95	TEST-15-00009-BER-073-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 20, 2016	June 20, 2016	June 23, 2016	A	Passed	
96	TEST-15-00009-BER-074-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 21, 2016	June 21, 2016	June 23, 2016	A	Passed	
97	TEST-15-00009-MAN-075-A	A	Steel Rebar's Test Reports (Φ20 & Φ25)	Material test	June 22, 2016	June 22, 2016	June 28, 2016	A	Passed	
98	TEST-15-00009-MAN-076-A	A	Compressive Strength for 28 days of 14 MPa Concrete for Ma'an RW plain concrete	Concrete Compressive Strength	June 22, 2016	June 22, 2016	June 28, 2016	A	Passed	
99	TEST-15-00009-BER-077-A	A	Compaction test for backfilling layer in construction site as shown in attached drawing	Compaction Test	June 22, 2016	June 22, 2016	June 28, 2016	A	Passed	

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100	TEST-15-00009-MAN-078-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Ma'an RW foundation for Segment (6-6A) and segment (6-6B).	Concrete Compressive Strength	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
101	TEST-15-00009-MAN-079-A	A	Compaction test for backfilling the first layer for inside and outside Ma'an RW of segment (6-6A) and segment (6-6B)	Compaction Test	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
102	TEST-15-00009-MAN-080-A	A	Compaction test for backfilling the second layer for inside and outside Ma'an RW of segment (6-6A) and segment (6-6B)	Compaction Test	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
103	TEST-15-00009-MAN-081-A	A	Compaction test for backfilling the third layer for inside and outside Ma'an RW of segment (6-6A) and segment (6-6B)	Compaction Test	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
104	TEST-15-00009-MAN-082-A	A	Backfilling soil "Sand" for Ma'an RW.	Material test	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
105	TEST-15-00009-BER-083-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Al Berkah RW walls Segment 1-2 Part C. Segment 2-3 Part (A, C) Segment 3-4 Part E	Concrete Compressive Strength	June 26, 2016	June 26, 2016	June 28, 2016	A	Passed	
106	TEST-15-00009-BER-084-A	A	Steel Rebar's Test Reports (Φ16)	Material test	June 28, 2016	June 28, 2016	June 29, 2016	A	Passed	
107	TEST-15-00009-BER-085-A	A	Compressive Strength for 7 days of 14 MPa Concrete for the blinding of Al Berkah Guard House	Concrete Compressive Strength	June 28, 2016	June 28, 2016	June 29, 2016	A	Passed	
108	TEST-15-00009-MAN-086-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an reservoir foundation.	Concrete Compressive Strength	June 28, 2016	June 28, 2016	July 4, 2016	C	Failed	under study
109	TEST-15-00009-MAN-086-B	B	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an reservoir foundation.	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	E	Passed	
110	TEST-15-00009-BER-087-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Al Berkah RW (walls) for part (B, D) of segment (1-2) and part (B, D) of segment (2-3)	Concrete Compressive Strength	June 30, 2016	June 30, 2016	July 4, 2016	A	Passed	
111	TEST-15-00009-BER-088-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah reservoir foundation.	Concrete Compressive Strength	July 3, 2016	July 3, 2016	July 4, 2016	C	Failed	Modification Report
112	TEST-15-00009-BER-088-B	B	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah reservoir foundation.	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 13, 2016	A	Passed	
113	TEST-15-00009-BER-089-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Al Berkah RW (walls) for part (E) of segment (1-2).	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 11, 2016	A	Passed	
114	TEST-15-00009-BER-090-A	A	Compressive Strength for 7 days of 14 MPa Concrete for the plain concrete of Al Berkah Electrical & Control Room	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 11, 2016	A	Passed	

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115	TEST-15-00009-MAN-091-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Ma'an RW walls Segment 6-6A Parts (A, C)	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 11, 2016	A	Passed	
116	TEST-15-00009-BER-092-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Guard House Foundation	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 11, 2016	A	Passed	
117	TEST-15-00009-MAN-093-A	A	Compressive Strength for 28 days of 30 MPa Concrete for Ma'an RW (Wall) part (B) of segment (6-6A) and part (A) of segment (6-6B).	Concrete Compressive Strength	July 10, 2016	July 10, 2016	July 11, 2016	A	Passed	
118	TEST-15-00009-BER-094-A	A	Compressive Strength for 28 days of 14 MPa Concrete for the blinding of Al Berkah Guard House	Concrete Compressive Strength	July 19, 2016	July 19, 2016	July 21, 2016	A	Passed	
119	TEST-15-00009-BER-095-A	A	Compressive Strength for 7 days of 35 MPa Concrete for the foundation of Al Berkah Electrical and Control Room	Concrete Compressive Strength	July 25, 2016	July 25, 2016	July 26, 2016	A	Passed	
120	TEST-15-00009-BER-096-A	A	Compressive Strength for 7 days of 35 MPa Concrete for the Al Berkah Guard House walls	Concrete Compressive Strength	July 27, 2016	July 27, 2016	August 1, 2016	A	Passed	
121	TEST-15-00009-BER-097-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Guard House Foundation	Concrete Compressive Strength	July 27, 2016	July 27, 2016	August 1, 2016	A	Passed	
122	TEST-15-00009-BER-098-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarters (B) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	July 28, 2016	July 28, 2016	August 1, 2016	A	Passed	
123	TEST-15-00009-BER-099-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarters (A) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	July 31, 2016	July 31, 2016	August 2, 2016	A	Passed	
124	TEST-15-00009-MAN-100-A	A	Compaction test for the subgrade layer under Ma'an Electrical and Control Building	Concrete Compressive Strength	July 31, 2016	July 31, 2016	August 4, 2016	A	Passed	
125	TEST-15-00009-MAN-101-A	A	Compaction test for the backfilling layer under Ma'an Electrical and Control Building	Concrete Compressive Strength	July 31, 2016	July 31, 2016	August 2, 2016	A	Passed	
126	TEST-15-00009-BER-102-A	A	Compressive Strength for 28 days of 14 MPa Concrete for Al Berkah Electrical and Control Building blinding	Concrete Compressive Strength	July 31, 2016	July 31, 2016	August 2, 2016	A	Passed	
127	TEST-15-00009-MAN-103-A	A	Compaction test for the backfilling layer under Ma'an Disinfection Building	Concrete Compressive Strength	August 1, 2016	August 1, 2016	August 2, 2016	A	Passed	
128	TEST-15-00009-MAN-104-A	A	Core test for 35 MPa Concrete for Ma'an reservoir foundation	Concrete Compressive Strength	August 3, 2016	August 3, 2016	August 14, 2016	A	Passed	
129	TEST-15-00009-BER-105-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarters (D) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 7, 2016	August 7, 2016	August 9, 2016	A	Passed	

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130	TEST-15-00009-MAN-106-A	A	Compressive Strength for 7 days of 14 MPa Concrete for Ma'an Electrical and Control Building blinding	Concrete Compressive Strength	August 7, 2016	August 7, 2016	August 9, 2016	A	Passed	
131	TEST-15-00009-BER-107-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (C) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 8, 2016	August 8, 2016	August 9, 2016	A	Passed	
132	TEST-15-00009-BER-108-A	A	Compaction test for the backfilling layer inside Guard House building	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
133	TEST-15-00009-BER-109-A	A	Compressive Strength for 28 days of 35 MPa Concrete for the foundation of Al Berkah Electrical and Control Room	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
134	TEST-15-00009-BER-110-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah electrical and Control building ditches and disinfection building foundation	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
135	TEST-15-00009-BER-111-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (3, 6, 9)	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
136	TEST-15-00009-BER-112-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (1, 2, 4, 5, 7, 8)	Concrete Compressive Strength	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
137	TEST-15-00009-MAN-113-A	A	Steel Rebar's Test Reports (Φ16)	Material test	August 15, 2016	August 15, 2016	August 16, 2016	A	Passed	
138	TEST-15-00009-MAN-114-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an electrical and control building foundation	Concrete Compressive Strength	August 16, 2016	August 16, 2016	August 18, 2016	A	Passed	
139	TEST-15-00009-BER-115-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarters (B) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 17, 2016	August 17, 2016	August 18, 2016	A	Passed	
140	TEST-15-00009-BER-116-A	A	Steel Rebar's Test Reports (Φ16)	Material test	August 17, 2016	August 17, 2016	August 18, 2016	A	Passed	
141	TEST-15-00009-BER-117-A	A	Compaction test for the backfilling layer inside electrical and control building	Compaction Test	August 17, 2016	August 17, 2016	August 18, 2016	A	Passed	
142	TEST-15-00009-BER-118-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Guard House walls	Concrete Compressive Strength	August 17, 2016	August 17, 2016	August 18, 2016	C	Failed	under study
143	TEST-15-00009-MAN-119-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an disinfection building foundation	Concrete Compressive Strength	August 17, 2016	August 17, 2016	August 18, 2016	A	Passed	
144	TEST-15-00009-BER-120-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarter (A) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 18, 2016	August 18, 2016	August 23, 2016	A	Passed	

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USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

QC SUBMITTALS LOG

No.	QC Submittal Number	REV.	QC Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status	Test Result	Remedial Action (If Failed)
145	TEST-15-00009-BER-121-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (B) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 18, 2016	August 18, 2016	August 23, 2016	A	Passed	
146	TEST-15-00009-MAN-122-A	A	Compressive Strength for 7 Days of 35 MPa Concrete for Ma'an Electrical and Control building Ditches	Concrete Compressive Strength	August 22, 2016	August 22, 2016	August 23, 2016	A	Passed	
147	TEST-15-00009-BER-123-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (D) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 23, 2016	August 23, 2016	August 24, 2016	C	Passed	Correct Air Content Value
148	TEST-15-00009-BER-123-B	B	Compressive Strength for 7 days of 35 MPa Concrete for quarter (D) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 25, 2016	August 25, 2016	August 29, 2016	A	Passed	
149	TEST-15-00009-BER-124-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarters (D) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 28, 2016	August 28, 2016	August 28, 2016	A	Passed	
150	TEST-15-00009-MAN-125-A	A	Compressive Strength for 28 days of 14 MPa Concrete for Ma'an Electrical and Control Building blinding	Concrete Compressive Strength	August 28, 2016	August 28, 2016	August 29, 2016	A	Passed	
151	TEST-15-00009-BER-126-A	A	Core test for 35 MPa Concrete for Al Berkah Guard House Walls	Concrete Compressive Strength	August 29, 2016	August 29, 2016	August 31, 2016	C	Passed	NEED 3 specimens
152	TEST-15-00009-BER-126-B	B	Core test for 35 MPa Concrete for Al Berkah Guard House Walls	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
153	TEST-15-00009-BER-127-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarter (C) of the first layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	August 29, 2016	August 29, 2016	August 30, 2016	A	Passed	
154	TEST-15-00009-BER-128-A	A	Compressive Strength for 7 days of 35 MPa Concrete for the Slab on Grade for Al Berkah Guard House and electrical and control building	Concrete Compressive Strength	August 29, 2016	August 29, 2016	August 30, 2016	A	Passed	
155	TEST-15-00009-MAN-129-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an Disinfection building walls	Concrete Compressive Strength	August 29, 2016	August 29, 2016	August 30, 2016	A	Passed	
156	TEST-15-00009-BER-130-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Disinfection building walls	Concrete Compressive Strength	August 30, 2016	August 30, 2016	August 31, 2016	A	Passed	
157	TEST-15-00009-BER-131-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (3, 6, 9)	Concrete Compressive Strength	September 4, 2016	September 4, 2016	September 5, 2016	A	Passed	
158	TEST-15-00009-BER-132-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah electrical and Control building ditches and disinfection building foundation	Concrete Compressive Strength	September 4, 2016	September 4, 2016	September 5, 2016	A	Passed	
159	TEST-15-00009-MAN-133-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building foundation	Concrete Compressive Strength	September 4, 2016	September 4, 2016	September 5, 2016	A	Passed	

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QC SUBMITTALS LOG

No.	QC Submittal Number	REV.	QC Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status	Test Result	Remedial Action (If Failed)
160	TEST-15-00009-MAN-134-A	A	Compaction test for the backfilling layers inside Ma'an electrical and control building	Compaction Test	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
161	TEST-15-00009-MAN-135-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an electrical and control building walls	Concrete Compressive Strength	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
162	TEST-15-00009-BER-136-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
163	TEST-15-00009-BER-137-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the first level of (1, 2, 4, 5, 7, 8)	Concrete Compressive Strength	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
164	TEST-15-00009-MAN-138-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an disinfection building foundation	Concrete Compressive Strength	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
165	TEST-15-00009-BER-139-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (C) of the second layer for the Al Berkah reservoir's walls + Guard House internal Walls	Concrete Compressive Strength	September 8, 2016	September 8, 2016	September 18, 2016	A	Passed	
166	TEST-15-00009-BER-140-A	A	Backfilling soil "Sand" for Al Berkah Pipeline "Source"	Material test	September 8, 2016	September 8, 2016	September 19, 2016	A	Passed	
167	TEST-15-00009-BER-141-A	A	Compaction test for the backfilling layers inside Al Berkah disinfection building	Compaction Test	September 8, 2016	September 8, 2016	September 8, 2016	A	Passed	
168	TEST-15-00009-BER-142-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah Reservoir Columns for the second level of (1, 2, 3, 4, 5, 6, 7, 8, 9)	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
169	TEST-15-00009-BER-143-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Al Berkah electrical and control building walls	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
170	TEST-15-00009-BER-144-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarter (B) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
171	TEST-15-00009-BER-145-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarter (D) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
172	TEST-15-00009-BER-146-A	A	Compressive Strength for 28 days of 35 MPa Concrete for the Slab on Grade for Al Berkah Guard House and electrical and control building	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
173	TEST-15-00009-MAN-147-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building Ditches	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
174	TEST-15-00009-MAN-148-A	A	Compressive Strength for 7 days of 35 MPa Concrete for Ma'an slab on grade of electrical and control building	Concrete Compressive Strength	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	

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QC SUBMITTALS LOG

No.	QC Submittal Number	REV.	QC Submittal Description	Submittal Classification	Submit Date	Receive By B&V	Return To Morganti	Status	Test Result	Remedial Action (If Failed)
175	TEST-15-00009-MAN-149-A	A	Compaction test for the backfilling layers inside Ma'an disinfection building	Compaction Test	September 18, 2016	September 18, 2016	September 19, 2016	A	Passed	
176	TEST-15-00009-BER-150-A	A	Backfilling Material-selected excavated soil for Al Berkah Pipeline	Material test	September 19, 2016	September 19, 2016	September 25, 2016	A	Passed	
177	TEST-15-00009-GAZII-151-A	A	Manhole Covers "750 mm"	Material test	September 20, 2016	September 20, 2016	September 25, 2016	A	Passed	
178	TEST-15-00009-BER-152-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Al Berkah Disinfection building walls	Concrete Compressive Strength	September 21, 2016	September 21, 2016	September 25, 2016	A	Passed	
179	TEST-15-00009-MAN-153-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an Disinfection building walls	Concrete Compressive Strength	September 21, 2016	September 21, 2016	September 25, 2016	A	Passed	
180	TEST-15-00009-BER-154-A	A	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+190), (ST. 1+220) & (ST. 1+240)	Compaction Test	September 22, 2016	September 22, 2016	September 25, 2016	A	Passed	
181	TEST-15-00009-BER-155-A	A	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+280)	Concrete Compressive Strength	September 22, 2016	September 22, 2016	September 25, 2016	A	Passed	
182	TEST-15-00009-BER-156-A	A	Compressive Strength for 28 days of 35 MPa Concrete for quarter (A) of the second layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	September 26, 2016	September 26, 2016	September 27, 2016	A	Passed	
183	TEST-15-00009-MAN-157-A	A	Compressive Strength for 28 days of 35 MPa Concrete for Ma'an electrical and control building walls	Concrete Compressive Strength	September 26, 2016	September 26, 2016	September 27, 2016	A	Passed	
184	TEST-15-00009-BER-158-A	A	Compressive Strength for 7 days of 35 MPa Concrete for quarter (A) of the third layer for the Al Berkah reservoir's walls	Concrete Compressive Strength	September 26, 2016	September 26, 2016	September 27, 2016	A	Passed	
185	TEST-15-00009-BER-159-A	A	Compaction test for the backfilling layer above pipelines BS2 (ST. 1+530 and St. 1+680).	Compaction Test	September 26, 2016	September 26, 2016	September 27, 2016	A	Passed	
186	TEST-15-00009-BER-160-A	A	Compressive Strength for 7 days of 35 MPa Concrete for the guard house roof slab and slab on grade of disinfection building at Al Berkah project	Concrete Compressive Strength	September 29, 2016	September 29, 2016		Under Reviiew		

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Annex I - Request for Information Log

USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
Construction Of Gaza Reservoirs and Pumping Facilities
Contract No. : AID-294-I-00-12-00002
Task Order No. : AID-294-TO-15-00009

1916 - 2016
MORGANTI
100 YEARS OF EXCELLENCE

REQUEST FOR INFORMATION LOG

No.	RFI No.	Project	REF.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Response
1	RFI-15-00009-GAZII.C-E.001	GAZII	Program Standard Design M-GR 41 & M-GR 42 Program Standard Details M-DT02 & S-DT05 Al Berkah design drawings (G-107) Ma'an design drawings (G-107)	Long delivery period for 160mm UPVC pipes (PN16) – Request to supply and install the reservoir drain (washout pipe) to UPVC pipes from the local Plassim manufacturers in either PN 12.5 UPVC with socket and Rubber Gasket joints (Meriam) or in PN16 pipes with solvent cement joints (Meriduire).	December 7, 2015	January 6, 2016	December 27, 2015	20	Accepted with VOR
2	RFI-15-00009-GAZII.C-E.002	GAZII	RFTOP-Section C, Description/Specifications/ Statement of Work	Substitution New Jersey Barriers with Steel Mini Guard	December 23, 2015	January 22, 2016	December 27, 2015	4	To resubmit
3	RFI-15-00009-GAZII.C-E.003	GAZII	Program Standard Design Drawing No. M-GR43 Program Standard Design Drawing No. S-GR41 Program Standard Details Drawing No. S-DT06 Program Standard Details Drawing No. S-DT02	Perforated Pipes arrangement under Reservoir's Foundation at Al Berkah & Ma'an Reservoirs	December 23, 2015	January 22, 2016	January 13, 2016	21	No Change is required
4	RFI-15-00009-GAZII.C-E.004	GAZII	Program Standard Specifications section 16050	Rigid PVC conduit - Schedule 40. at Al Berkah & Ma'an Reservoirs	January 21, 2016	February 20, 2016	January 31, 2016	10	Accepted with VOR
5	RFI-15-00009-GAZII.C-E.005	GAZII	Program Standard Design Drawing No. E-501	GFCI (Ground Fault Circuit Interrupter) Receptacles.at Al Berkah & Ma'an Reservoirs	January 21, 2016	February 20, 2016	February 3, 2016	13	Accepted with VOR (Zero time/Cost Impact)
6	RFI-15-00009-GAZII.C-E.006	GAZII	RFTOP-Section C, Description/Specifications/ Statement of Work	Substitution New Jersey Barriers with Steel Mini Guard – Supplementary Information	January 26, 2016	February 25, 2016	February 8, 2016	13	Accepted with VOR (Zero time/Cost Impact)
7	RFI-15-00009-MAN.C-E.007	MAN	Ma'an design drawings (S-RW01 & S-RW02)	Construction of Retaining Wall -Ma'an	January 28, 2016	February 27, 2016	February 25, 2016	28	Accepted with VOR
8	RFI-15-00009-GAZII.C-E.008	GAZII	B.O.Q item no. 2.3.6, 4.3.6, 5.3.6,	CMU Veneer Walls	February 7, 2016	March 8, 2016	February 23, 2016	16	To provide cost/technical comparison
9	RFI-15-00009-GAZII.C-E.009	GAZII	General Program standard Designs S-GR41 & M-GR41 Program standard Details M-DT07	Manway Requirement	February 7, 2016	March 8, 2016	February 16, 2016	9	required as part of the Contractor
10	RFI-15-00009-GAZII.C-E.010	GAZII	General Program standard Designs S-GR41 & M-GR41 Program standard Details M-DT07	Access Manway	February 21, 2016	March 22, 2016	February 24, 2016	3	required as part of the Contractor
11	RFI-15-00009-GAZII.C-E.011	GAZII	Bill of Quantity Item 2.1,3,4.1 , Specification: 02630	PVC Pipes and Fittings Spare Quantities	February 21, 2016	March 22, 2016	February 29, 2016	8	Accepted with VOR
~~12~~	~~RFI-15-00009-GAZII.C-E.012~~	~~GAZII~~	~~Supplemental Specification Section 11910 para 2-2-2.c~~	~~Generator Set Displacement~~	~~March 3, 2016~~	~~April 2, 2016~~	~~March 6, 2016~~	~~3~~	~~Retracked~~
13	RFI-15-00009-GAZII.C-E.012	GAZII	Supplemental Specification Section 11910 para 2-2-2.c	Generator Set Displacement	March 6, 2016	April 5, 2016	March 7, 2016	1	Accepted
14	RFI-15-00009-GAZII.C-E.013	GAZII	Standard Specifications Section 13562 Paragraph 2-2.02.01 & 2-2.02.02	Flowmeters construction material	March 29, 2016	April 28, 2016	April 11, 2016	13	Contractor to provide as specified

REQUEST FOR INFORMATION LOG									
No.	RFI No.	Project	REF.	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Response
15	RFI-15-00009-GAZII.C-E.014	GAZII	Standard Specifications: Section 16721, Drawings: E-511, E-501, E-DIS1, E-GH02	Fire Alarm System	April 3, 2016	May 3, 2016	April 12, 2016	9	Contractor to provide fire alarm system at the guard house, disinfection building and electrical and control building
16	RFI-15-00009-MAN-C-E-015	MAN	Ma'an design drawings (G-106) Ma'an design drawings (C-217)	Connection between Ma'an reservoirs 1 & 2	April 12, 2016	May 12, 2016	May 15, 2016	33	to submite VOR
17	RFI-15-00009-GAZII.C-E.016	GAZII	Program Standard Design drawings (C-DT 21) Program Standard Design drawings (C-DT 22)	Removal of Filter Fabric in Trenches Backfill	April 12, 2016	May 12, 2016	April 18, 2016	6	Not Accepted
18	RFI-15-00009-MAN-C-E-017	MAN	Drawing C-212 & C-216 Ma'an Conformed Document	Removal of existing tree.	April 18, 2016	May 18, 2016	April 25, 2016	7	Response
19	RFI-15-00009-MAN-C-E-018	MAN	Drawing C-216 Ma'an Conformed Document	Fence for the western side of Ma'an Site.	April 18, 2016	May 18, 2016	April 28, 2016	10	Response
20	RFI-15-00009-GAZII.C-E.019	GAZII	Supplementary Specification Section 11910 para 2-4.03	Generators Fuel Tank	April 24, 2016	May 24, 2016	April 27, 2016	3	Not Accepted
21	RFI-15-00009-MAN-C-E-020	MAN	Drawing C-220 Ma'an Conformed Drawings, Section 2200 (Excavation and Fill for Structures)	Soil Replacement under Ma'an Reservoir	May 4, 2016	June 3, 2016	May 8, 2016	4	Accepted
22	RFI-15-00009-MAN-C-E-021	MAN	Conformed BOQ, item 6.3.1 SUB-15-00009-GAZII-056-E, SM-15-00009-MAN-E-C-008	Coordinate VFDs with the Generator set	May 30, 2016	June 29, 2016	June 7, 2016	8	to submite VOR
23	RFI-15-00009-GAZII-C-E-022	GAZII	Program Standard Design: C-217, M-001	Use steel pipes above the ground level instead of DI pipes	June 2, 2016	July 2, 2016	June 22, 2016	20	Accepted
24	RFI-15-00009-BER-C-E-023	BER	Program Project Drawing No. C-216, Program Standard Details Drawing No. C-DT11 & C-DT12, BOQ Item 8.1.10.1	Exterior gate at Al Berkah project	June 27, 2016	July 27, 2016	July 26, 2016	29	Response
25	RFI-15-00009-MAN-C-E-024	MAN	Program Project Drawing No. C-216, Program Standard Details Drawing No. C-DT11 & C-DT12, BOQ Item 8.1.10.1	Exterior gate at Ma'an project	June 27, 2016	July 27, 2016	July 26, 2016	29	Response
26	RFI-15-00009-GAZII-C-E-025	GAZII	B.O.Q item no. 4.3.6, 5.3.6,	CMU Veneer Walls	July 3, 2016	August 2, 2016	July 26, 2016	23	Not Accepted
27	RFI-15-00009-GAZII-C-E-026	GAZII	Standard Specifications Section 13562 ParaQraph 2-2.02.01 & 2-2.02.02	Electromagnetic Flowmeters	July 3, 2016	August 2, 2016	July 18, 2016	15	Accepted
28	RFI-15-00009-GAZII-C-E-027	GAZII	Standard Specifications Section 13580	UPS System -Components	August 2, 2016	September 1, 2016	August 24, 2016	22	Not Accepted
~~29~~	~~RFI-15-00009-GAZII-C-E-028~~	~~GAZII~~	~~Program Standard Specifications Section 16425, 16480~~	~~Surge protection device for MCC panel~~	~~August 17, 2016~~	~~September 16, 2016~~	~~August 18, 2016~~	~~1~~	~~Retracked~~
30	RFI-15-00009-GAZII-C-E-028	GAZII	Program Standard Specifications Section 16425, 16480	Surge protection device for MCC panel	August 18, 2016	September 17, 2016	August 24, 2016	6	Accepted
31	RFI-15-00009-MAN-C-E-029	MAN	Program Drawing C-217, C-218 & E-503	Ma'an Reservoir's Washout	August 29, 2016	September 28, 2016	September 5, 2016	7	Response
32	RFI-15-00009-GAZII-C-E-030	GAZII	Standard Design Drawings (M-DIS1) Projects design drawings (I-304)	LDPE Tube for disinfection building.	August 29, 2016	September 28, 2016	September 6, 2016	8	Response
5	RFI-15-00009-GAZII-C-E-031	GAZII	RFI-15-00009-GAZII-C-E-027	UPS System	August 29, 2016	September 28, 2016	September 18, 2016	20	Response
34	RFI-15-00009-GAZII-C-E-032	GAZII	SUB-15-0009-GAZII -229-C - VFD SIEMENS - Option II	Spare parts for VFD	September 8, 2016	October 8, 2016			Under Review
35	RFI-15-00009-GAZII-C-E-033	GAZII	Specification: Standard Specification Section 13500 & Supplemental Specification Section 13550	Reports system in the HMI	September 29, 2016	October 29, 2016			Under Review
36	RFI-15-00009-GAZII-C-E-034	GAZII	Specification: Standard Specification Section 13500 & Supplemental Specification Section 13550	Sodium Hypochlorite	September 29, 2016	October 29, 2016			Under Review

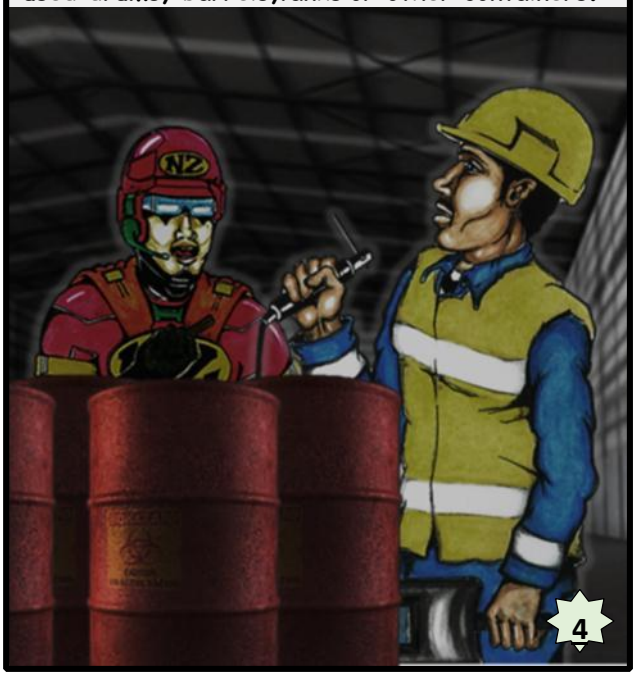
Annex J – Safety Flyers

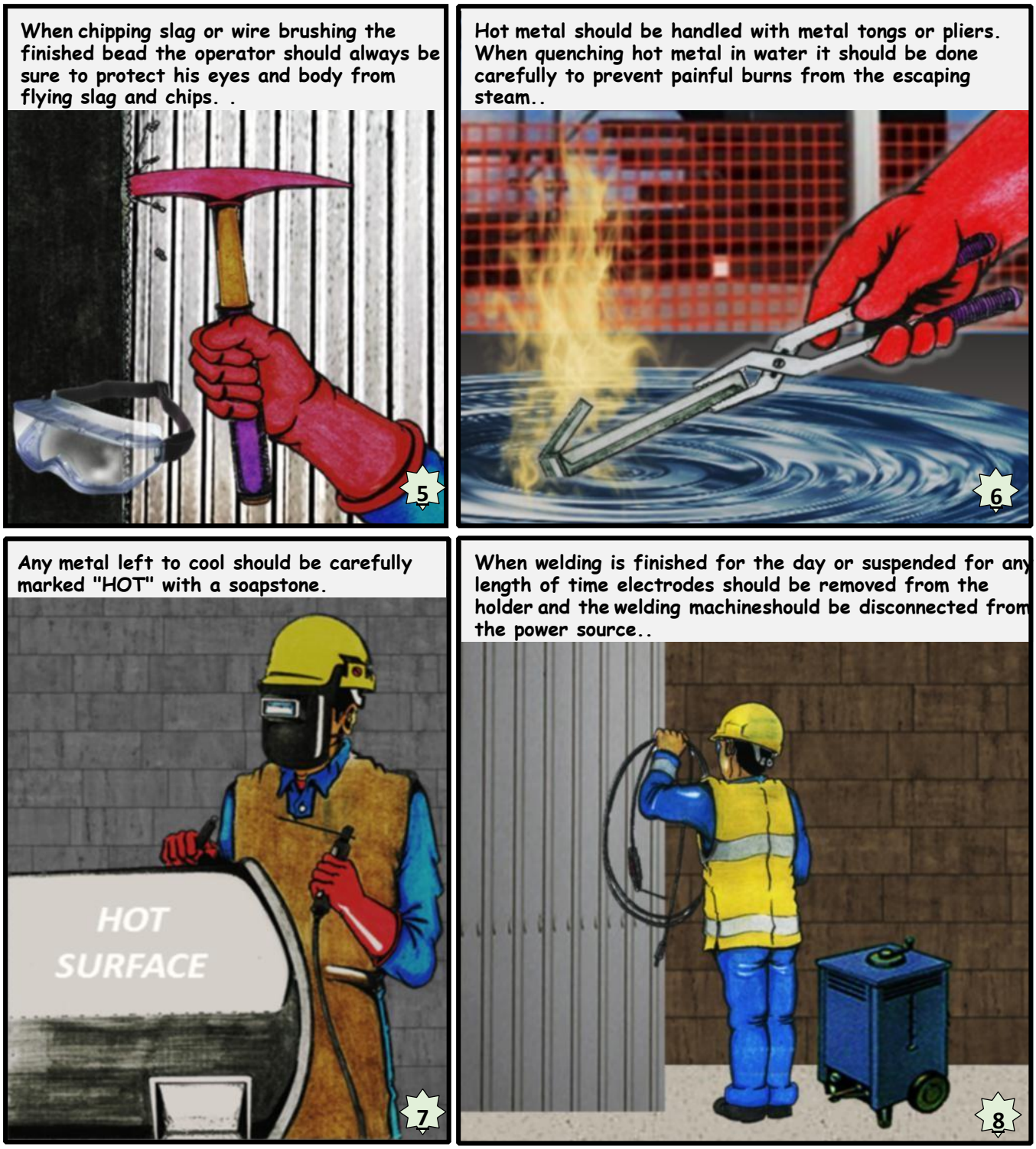
Unsafe welding activity was spotted in fabrication shop 22.CNZ dropped by and gave safety advice to the welder. Protect your entire body with fire retardant clothing, shoes and gloves. .

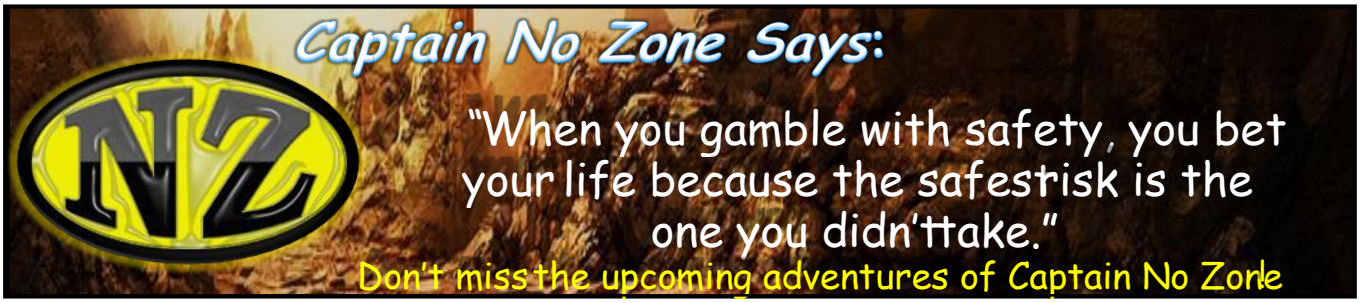
Be sure the welding machine is properly installed and grounded. Never weld without adequate ventilation and always take proper precautions to prevent fires. Hot Work Permit should be issued before starting the work…

It is easier and safer to establish an arc on a clean surface than a dirty or rusty one .

Never do any welding, cutting or hot work on used drums, barrels, tanks or other containers.







Captain No Zone Magazine (CNZ Magazine)

MORGANTI 1916 - 2016	**THE MORGANTI GROUP Inc** **INFRASTRUCTURE NEEDS PROGRAM (INPII)** **Daily Excavation Safety Checklist**	DATE: DAY: TIME: TASK: 09

DAILY EXCAVATION SAFETY CHECKLIST

SN	DESCRIPTION	YES	NO	N/A	COMMENTS
1	Excavation permit revalidated and on job location?				
2	Proper access and egress inside excavation provided?				
3	JSTI conducted before start of work? (Attach to this inspection record)				
4	Sloping / shoring for the edge of excavation being prepared?				
5	Confined space certificate required prepared?				
6	Supervision available at work location and understand his responsibilities?				
7	Signboards was placed around the excavation?				
8	Workers are trained for confined space entry training?				
9	The excavation properly barricaded, hard barricade?				
10	If mechanical excavation, the equipment was certified and inspected and should be 2 m (6.5 feet) away from the edge of excavation.				
11	Excavated materials was kept 1.2 m (4 feet) away from the edge of excavation.				
12	Check that the excavation sides are free from cracks, loose materials and is stable?				
13	Check in the excavation the any signs of cave in?				
14	All personnel working inside the excavation are aware about the excavation hazards.				
15	Emergency procedure are informed to all workers inside excavation.				
16	If dewatering is ongoing, the standby operator is available?				
19	All equipments used are inspected and in good condition.				

Permit No.: _____ ***Area/Location:*** _____

Conducted By: _____ ***Checked by HSE:*** _____

Signature: _____ ***Date:*** _____

Daily Excavation Checklist

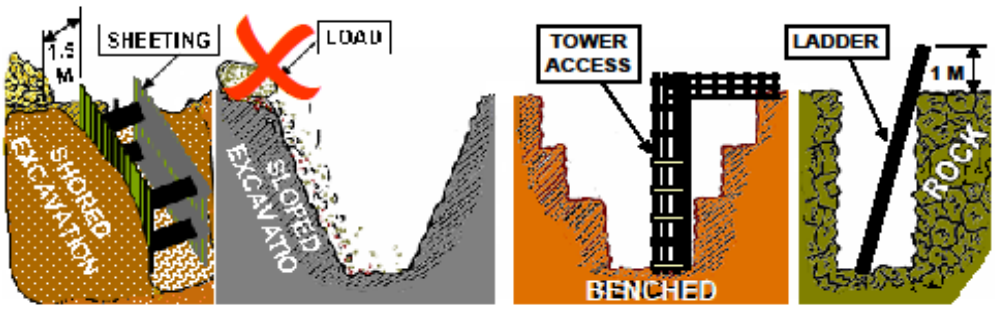
Safety Tool Box Meeting (Al Berkah)

Safety Tool Box Meeting (Ma'an)

SAFETY AWARENESS PROGRAM
TOOL BOX TALKS
Safety Department

Excavations

1. A special permit for excavations must be obtained prior to starting work. It is very important to know the location of buried piping, electrical lines, etc.,. before excavating. Buried lines must be identified, marked and stated on excavation permits
2. The Client will issue and approve excavation permits.
3. If employees are to enter an excavation the following rules apply:
   3.1. Excavation spoil must be moved at least 1.5 metres away from the edge of the excavation.
   3.2. Shoring must be used, or the excavation must be sloped to prevent collapsing when the excavation depth is greater than 1.2 metres.
   3 3 Ladders or stairs must be provided when excavations are more than 1.2 metres deep.
   3.4. Ladders, when required, shall not be more than 8 metres apart.
4. Excavations in SOLID rock are the only types exempt from shoring or sloping.
5. In some cases, excavations will need to be gas tested before employees may enter. This is required when crude oil, gasoline, or other hydrocarbon is in an excavation. Other precautions, such as respirators may be required, depending. on gas test results. The Safety Department will conduct gas tests and record results on a work permit.



MW

Safety Tool Box Brochure (Excavations)

Distributing flyers

Annex K – 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-15-00009
PROJECT 1 : GAZII (Al-Berkah)
TEMPORARY JOB DAYS REPORT
Gaza - Construction of Reservoirs and Pumping Facilities Package II

Period **From** **September 1, 2016** **To** **September 30, 2016**

Contractor :The Morganti Group, Inc.
Sub-Contractor : Saqqa & Khoudary Co. Ltd.

DATE	Site Staff Job Days **																											
	Worker/Classification (Hours)																					Man-days*					Gender	
	Management				Engineers							Skilled labor			Unskilled labor		Other											
	Task Order Manager	Construction Manager	Quality Control Manager	Safety & Environmental Compliance Officer	Project Engineer	Site Engineer	Project Control Engineer	Electrical Engineer	Mechanical Engineer	Office Engineer	Office Engineer (F)	Foreman	Skilled Labor	Equipment Operator	Flagman	Unskilled Labor	Surveyor	Safety Officer	Car Driver	Office Boy	Guard	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
September 1, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	60	5	0	100	4	0	5	20	40	2.1	5.4	8.1	12.5	8.6	35.6	1.1
September 2, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
September 3, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	70	5	0	120	4	0	5	20	40	2.1	5.4	9.4	15.0	8.6	39.4	1.1
September 4, 2016	**4**	**5**	**0**	**4**	8	10	4	4	4	4	9	0	80	10	0	130	4	0	5	20	40	1.6	5.4	11.3	16.3	8.6	42.0	1.1
September 5, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	0	9	0	80	10	0	130	4	0	5	20	40	2.1	4.9	11.3	16.3	8.6	42.0	1.1
September 6, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	0	9	0	80	0	0	130	4	0	5	20	40	2.1	4.9	10.0	16.3	8.6	40.8	1.1
September 7, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	100	6	0	150	4	0	5	20	40	2.1	5.4	13.3	18.8	8.6	47.0	1.1
September 8, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	80	0	0	150	4	0	5	20	40	2.1	5.4	10.0	18.8	8.6	43.8	1.1
September 9, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
September 10, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
September 11, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
September 12, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
September 13, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
September 14, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
September 15, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	10	0	0	20	4	0	5	20	40	2.1	5.4	1.3	2.5	8.6	18.8	1.1
September 16, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
September 17, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	70	5	0	80	4	0	5	20	40	2.1	5.4	9.4	10.0	8.6	34.4	1.1
September 18, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	70	37	20	130	4	0	5	20	40	2.1	5.4	13.4	18.8	8.6	47.1	1.1
September 19, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	0	50	40	20	100	4	0	5	20	40	2.1	5.4	11.3	15.0	8.6	41.3	1.1
September 20, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	45	20	170	4	10	5	20	40	2.1	5.4	15.6	23.8	9.9	55.6	1.1
September 21, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	12	84	39	24	204	4	12	5	20	40	2.1	5.4	16.9	28.5	10.1	61.9	1.1
September 22, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	44	24	130	4	10	5	20	40	2.1	5.4	15.5	19.3	9.9	51.0	1.1
September 23, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
September 24, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	49	24	130	4	20	5	20	40	2.1	5.4	16.1	19.3	11.1	52.9	1.1
September 25, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	48	24	130	4	20	5	20	40	2.1	5.4	16.0	19.3	11.1	52.8	1.1
September 26, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	48	24	130	4	20	5	20	40	2.1	5.4	16.0	19.3	11.1	52.8	1.1
September 27, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	48	24	130	4	20	5	20	40	2.1	5.4	16.0	19.3	11.1	52.8	1.1
September 28, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	50	24	150	4	20	5	20	40	2.1	5.4	16.3	21.8	11.1	55.5	1.1
September 29, 2016	**4**	**5**	**4**	**4**	8	10	4	4	4	4	9	10	70	60	24	150	4	20	5	20	40	2.1	5.4	17.5	21.8	11.1	56.8	1.1
September 30, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
Total of Month	**80.0**	**100.0**	**76.0**	**80.0**	**160.0**	**200.0**	**80.0**	**80.0**	**80.0**	**72.0**	**225.0**	**92.0**	**1394.0**	**549.0**	**252.0**	**2564.0**	**80.0**	**152.0**	**100.0**	**400.0**	**1040.0**	**42.0**	**112.1**	**254.4**	**352.0**	**221.5**	**953.9**	**28.1**

* Total Man-days = Total Hours / 8

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

Distribution 1. Contractor
2. CMC
3. USAID

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. : AID-294-I-00-12-00002
TASK ORDER NO. : AID-294-TO-15-00009
PROJECT 2 : GAZII (Ma'an)
TEMPORARY JOB DAYS REPORT
Gaza - Construction of Reservoirs and Pumping Facilities Package II
Period From September 1, 2016 To September 30, 2016

Contractor :The Morganti Group, Inc.
Sub-Contractor : Saqqa & Khoudary Co. Ltd.

DATE	Site Staff Job Days **																									
	Worker/Classification (Hours)																			Man-days*					Gender	
	Management				Engineers						Skilled labor			Unskilled labor		Other										
	Task Order Manager	Construction Manager	Quality Control Manager	Safety & Environmental Compliance Officer	Project Engineer	Project Control Engineer	Electrical Engineer	Mechanical Engineer	Office Engineer	Office Engineer (F)	Foreman	Skilled Labor	Equipment Operator	Flagman	Unskilled Labor	Surveyor	Car Driver	Office Boy	Guard	Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
September 1, 2016	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
September 2, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
September 3, 2016	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
September 4, 2016	**4**	**5**	**0**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	1.6	4.1	0.0	2.5	5.375	12.5	1.1
September 5, 2016	**4**	**5**	**4**	**4**	8	4	4	4	0	9	0	0	0	0	20	4	5	10	24	2.1	3.6	0.0	2.5	5.4	12.5	1.1
September 6, 2016	**4**	**5**	**4**	**4**	8	4	4	4	0	9	0	0	0	0	20	4	5	10	24	2.1	3.6	0.0	2.5	5.4	12.5	1.1
September 7, 2016	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	20	1	0	20	4	5	10	24	2.1	4.1	2.6	2.5	5.4	15.6	1.1
September 8, 2016	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
September 9, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
September 11, 2016	**0**	**0**	**0**	**0**	0	0	0	0	0	9	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3	3.0	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	9	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	9	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	9	0	0	0	0	0	0	0	0	24	0.0	1.1	0.0	0.0	3.0	3.0	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	0	0	0	20	4	5	10	24	2.1	4.1	0.0	2.5	5.4	13.0	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	10	0	0	20	4	5	10	24	2.1	4.1	1.3	2.5	5.375	14.3	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	20	0	0	30	4	5	10	24	2.1	4.1	2.5	3.8	5.4	16.8	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	10	0	0	30	4	5	10	24	2.1	4.1	1.3	3.8	5.4	15.5	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	30	1	0	60	4	5	10	24	2.1	4.1	3.9	7.5	5.4	21.9	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	20	0	0	40	4	5	10	24	2.1	4.1	2.5	5.0	5.4	18.0	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	20	0	0	30	4	5	10	24	2.1	4.1	2.5	3.8	5.4	16.8	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	20	0	0	10	4	5	10	24	2.1	4.1	2.5	1.3	5.375	14.3	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	10	0	0	20	4	5	8	24	2.1	4.1	1.3	2.5	5.1	14.0	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	10	0	0	20	4	5	10	24	2.1	4.1	1.3	2.5	5.4	14.3	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	80	4	0	100	4	5	10	24	2.1	4.1	10.5	12.5	5.4	33.5	1.1
###########	**4**	**5**	**4**	**4**	8	4	4	4	4	9	0	30	0	0	50	4	5	8	24	2.1	4.1	3.8	6.3	5.1	20.3	1.1
###########	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.0	0.0	0.0	0.0	3.0	3.0	0.0
Total of Month	**84.0**	**105.0**	**80.0**	**84.0**	**168.0**	**84.0**	**84.0**	**84.0**	**76.0**	**225.0**	**0.0**	**280.0**	**6.0**	**0.0**	**610.0**	**84.0**	**105.0**	**206.0**	**720.0**	**44.1**	**90.1**	**35.8**	**76.3**	**139.4**	**357.5**	**28.1**

* Total Man-days = Total Hours / 8

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

Distribution 1. Contractor
2. CMC
3. USAID

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00009
PROJECT 1: GAZII (Al Berkah)

Temporary Job Days Summary Report

Task Order Name: GAZII - Construction of Reservoirs and Pumping Facilities Package II **PERIOD FROM: October 26, 2015**

CONTRACTOR: The Morganti Group, Inc. **PERIOD TO: September 30, 2016**

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Segregation By Gender		Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			Male	Female	
October	2015	0.0	25.0	0.0	0.0	2.5	27.5	1.2	25.0	2.5	
November	2015	0.0	132.8	0.0	0.0	14.0	146.8	6.2	133.8	13.0	
December	2015	35.8	120.5	77.4	79.5	22.8	335.9	14.1	320.4	15.5	
January	2016	53.3	114.3	58.9	77.3	213.6	517.3	21.7	490.1	27.3	
February	2016	52.6	120.6	14.3	38.0	224.3	449.8	18.9	421.6	28.1	
March	2016	54.9	144.4	31.8	31.4	254.5	516.9	21.7	486.5	30.4	
April	2016	55.8	140.6	104.0	55.0	233.8	589.1	24.8	561.0	28.1	
May	2016	57.4	136.3	193.8	299.3	243.3	929.9	39.1	907.6	22.3	
June	2016	52.6	131.9	107.8	203.5	223.1	718.9	30.2	692.3	26.6	
July	2016	46.9	101.9	252.6	251.8	220.5	873.6	36.7	847.8	25.9	
August	2016	50.9	145.1	226.1	326.3	244.9	993.3	41.7	962.9	30.4	
September	2016	42.0	112.1	254.4	352.0	221.5	982.0	41.3	953.9	28.1	
Sub-Total of FY 2016		502.0	1425.4	1321.0	1713.9	2118.6	7080.9	297.5	6802.8	278.1	
October	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
November	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
December	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
January	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
February	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
March	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
April	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
May	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
June	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sub-Total of FY 2017		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Grand Total of FY 2016 &2017		502.0	1425.4	1321.0	1713.9	2118.6	7080.9	297.5	6802.8	278.1	

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.

Distribution 1. Contractor
2. CMC
3. USAID

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO.: AID-294-I-00-12-00002
TASK ORDER NO.: AID-294-TO-15-00009
PROJECT 2: GAZII (Ma'an)

Temporary Job Days Summary Report

Task Order Name: GAZII - Construction of Reservoirs and Pumping Facilities Package II **PERIOD FROM: October 26, 2015**

CONTRACTOR: The Morganti Group, Inc. **PERIOD TO: September 30, 2016**

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Segregation By Gender		Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			Male	Female	
October	2015	0.0	25.0	0.0	0.0	2.5	27.5	1.2	25.0	2.5	
November	2015	0.0	132.8	0.0	0.0	14.0	146.8	6.2	133.8	13.0	
December	2015	35.8	111.5	4.4	4.9	10.3	166.8	7.0	151.3	15.5	
January	2016	54.0	134.4	82.5	92.6	160.6	524.1	22.0	496.9	27.3	
February	2016	52.6	129.4	21.3	82.6	170.8	456.6	19.2	428.5	28.1	
March	2016	55.4	124.4	20.1	34.8	195.5	430.1	18.1	399.8	30.4	
April	2016	53.1	109.4	27.6	41.3	162.5	393.9	16.5	365.8	28.1	
May	2016	57.4	103.8	151.5	133.3	152.5	598.4	25.1	576.1	22.3	
June	2016	52.6	104.6	55.1	80.5	137.9	430.8	18.1	404.1	26.6	
July	2016	46.9	91.9	17.9	25.0	143.9	325.5	13.7	300.6	24.9	
August	2016	50.9	111.4	83.6	117.5	156.9	520.3	21.9	489.9	30.4	
September	2016	44.1	90.1	35.8	76.3	139.4	385.6	16.2	357.5	28.1	
Sub-Total of FY 2016		502.8	1268.5	499.8	688.6	1446.6	4406.3	185.1	4129.2	277.1	
October	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
November	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
December	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
January	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
February	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
March	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
April	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
May	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
June	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sub-Total of FY 2017		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Grand Total of FY 2016 & 2017		502.8	1268.5	499.8	688.6	1446.6	4406.3	185.1	4129.2	277.1	

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.

Annex L – Risk Register Log

PROBABILITY CATEGORIES			
Description		Prob.	Scale Value
H	Probable	>70%	3
M	Could happen	30-70%	2
L	Improbable	<30%	1

			PROBABILITY		
			Low/ Improbable	Medium/ Could happen	High/ Probable
			1	2	3
IMPACT	High/ Critical	3	3	6	9
	Medium/ Serious	2	2	4	6
	Low/ Marginal	1	1	2	3

IMPACT CATEGORIES			
Description		**Guide Scenario**	**Scale Value**
H	Critical	Impact that involves significant delay, rework, modification or reassessment	3
M	Serious	Impact or setback that causes delay, additional work and reassessment but containable	2
L	Marginal	Impact has some effect causing rework or reassessment but easily handled	1

	Key/ Critical Risk - Closely monitor, manage & develop fallback plan
	Intermediate Risks- monitor and manage to mitigate
	Minor Risk

Risk Event	What is it that you are working to avoid or reduce the likelihood or impact of occurring? Risk are future events that could interfere with achievement of objectives
Risk Cause	What are the triggers, sources or circumstances that could act alone or together to increase the likelihood of the Risk Event occurring? There are usually multiple causes leading to Risk Event
Risk Impact	If this Risk Event did occur, how would it impact objectives? What are the longer -term or cumulative consequences?
Risk Owner	Who will take the lead on this mitigation?

RISK IDENTIFICATION							RISK ASSESSMENT					RISK RESPONSE			MONITORING & CONTROLLING	
REF	CATEGORY	RISK	RISK CAUSE	IMPACT /CONSE	RAISED BY	DATE RAISED	PROBA BILITY	IMPACT	RISK RATING	COST IMPACT	SCHEDULE IMPACT	RESPONSE STRATEGY	RESPONSE PLAN	RISK OWNER	STATUS	NOTES
1	Mobilization	Delay in delivery of field office equipment. difficulties in finding land for storage yard in Ma'an & office in Al Berkah	Long lead equipment/IT devises not available in country. Limitation of available land in Ma'an and building in Al Berkah	L	TMGI		3	1	3	Slightly	Mobilization delay	Mitigated	Provides temporary items. Extra efforts to find storage yard and offices	TMGI	Closed	
2	Design															
3	Construction phase	Delay in project time schedule	Delay in deliver concrete additives and plywood boards	H	TMGI		3	3	9	High Cost Impact	Possible delay in start & finish of construction	Mitigated	Intensive coordination with Related Authorities	TMGI	Closed	
4	Owner								0							
5	USAID								0							
6	Contractor								0							
7	External Factors								0							
8	Procurements	Delay of material delivery.	Long lead materials are not available in the country. Closure for borders. Gramms system impedes the delivery	H	TMGI		3	3	9	High Cost Impact	Delay on Work Progress	To be mitigated	Intensive coordination with Related Authorities	TMGI	In Progress	
9	Skills	Arrival of expertise form out side country	Restrictions of traveling and movement form & to Gaza strip	M	TMGI		2	3	6	Minor	Delay on Work Progress & Work Quality	To be mitigated	Intensive coordination with Related Authorities	TMGI	Studying cases	
10	Resources	Shortage of materials	Closure of border & Siege	M	TMGI		2	3	6	Unknown	Work delay	To be mitigated	Intensive coordination with Related Authorities	TMGI	In Progress	