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WEST BANK/GAZA

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Monthly Progress Report # 27

For the Month of August 2015

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List of Acronyms and Abbreviations

ANSI	American National Standards Institute
ASQ	American Society for Quality
AWWA	American Water Works Association
CMC	Construction Management Contractor
CQC	Contractor Quality Control
CSMP	Construction Safety and Health Management Plan
EPA	Environmental Protection Agency
EQA	Environmental Quality Authority
HSWA	Federal Hazardous and Solid Waste Amendments
HSE	Health Safety & Environmental
IADC	International Association of Drilling Contractors
ISEA	Industrial Safety Equipment Association
IQC	Indefinite Quantity Contract
ISO	International Organization for Standardization
MIC	Man in Charge
NCR	Non Conformance Report
NUC	Notice of Unsafe Conditions
OSHA	Occupational Safety and Health Administration
PA	Palestinian Authority
PWA	Palestinian Water Authority
PPE	Personal Protective Equipment
QCP	Quality Control Plan
QMS	Quality Management System
RCS	Radio Communication System
RFI	Request for Information
SCADA	Supervisory Control and Data Acquisition
TDY	Temporarily Deployed for a Year
USAID	United States Agency for International Development
WP	Work Plan
WBWD	West Bank Water Department
WEF	Water Environment Federation



1. DASHBOARD - INTRODUCTION AND SUMMARY

Monthly Report No.27 covers activities accomplished during the month of August 2015 and previews activities anticipated during the next month, September 2015.

1.1 Purpose and Background

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

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

1.2 Objectives of Task Order 00006

The objective of this Task Order is to develop, rehabilitate and improve an existing well at Qabatiya and to install and equip that well with a new pump and appurtenant equipment. The Task Order also includes construction of a conveyance system that will connect the Qabatiya Well to Al-Zababdeh junction.

1.3 Work/Activity Status

The percent complete, Start and Finish information for each major component is shown on the following table.

Activity Name	Percent Complete	Planned Start Actual Start	Planned Finish Actual Finish
Preconstruction Coordination with PWA	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Mobilization	100%	<u>14 May 2013</u> 14 May 2013	<u>25 June 2013</u> 25 June 2013
Submittals	72%	<u>14 May 2013</u> 14 May 2013	<u>15 January 2016</u> TBD
Procurement and Delivery	40%	<u>26 August 2013</u> 26 August 2013	<u>24 December 2015</u> TBD
Construction Phase	16.46%	<u>19 June 2013</u> 19 June 2013	<u>31 January 2016</u> TBD
Post Construction Phase	0%	<u>15 January 2016</u> TBD	<u>3 February 2016</u> TBD



1.4 Key Information

Contract Number:	AID-294-I-00-12-00001
Task Order Number:	AID-294-TO-13-00006
Notice to Proceed:	14 May 2013
Project Original Duration:	550 Days
Project Original Completion Date:	14 November 2014
BOQ Item Original Amount:	\$6,858,760.00
Day Work Original Amount:	\$850,000.00
Contract Value:	\$ 7,708,760.00
Project Modified Duration:	996 Days
Project Modified Completion Date:	03 February 2016
BOQ Item Modified Amount:	\$ 10,705,504.02
Day Work Modified Amount:	\$ 4,490.98

2. PROJECT ADMINISTRATION

This Task Order is one of several task orders through which the USAID West Bank and Gaza Infrastructure Needs Program II (INP II) that is designed to improve Palestinian access to basic infrastructure and services throughout the West Bank. Some activities detailed in this report share a common base with the overall project or other Task Orders.

2.1. Submission of Most Recent Monthly Report

This document is the twenty-seventh in a series of Monthly Reports to be prepared by CDM Smith providing a summary of key project activities during consecutive monthly reporting periods.

2.2. Submission of Most Recent Invoices

The CDM Smith team is preparing invoice No. 9. The following table is a summary of the current invoice status.

New BOQ Amount	\$10,705,504.02
New Day Works	\$4,490.98
Amount Obligated	\$10,709,995.00
Variation Orders/ Modification Amount	\$3,846,744.02
Task Order Amount (BOQ +DW)	\$10,709,995.00
Most Recent Invoice	\$246,975.61
Invoiced to Date	\$1,715,711.99



2.3. Staff Information

At the end of this reporting period, 31st August 2015, 15 team members are working on the overall project and other Task Orders in the West Bank. Following are some key Task Order and support staff for the project:

Anthony Mirabella	VP and IQC Manager
Amy O’Connell	Civil Engineer/Contract Specialist
Kevin P. Connors	Senior Project Manager
Ghassan Thaher	Task Order Manager - Key Personnel
Abdel Rahman Bakeer	Safety and Environmental – Key Personnel
Talal Mahasin	QA/QC Manager – Key Personnel
Abed Ahmad	Office Assistant/CMC Office Al-Zababdeh
Yazan Meqbel	Project Engineer
Tamadour Abu AL Rub	Document Control Officer
Mousa Anbar	Finance and Administration Manager
Renad Nafee	Finance Assistant Manager
Hiba Othman	Admin Assistant
Anas Abu Sneineh	Security and Logistic Manager
Murad Abu Nasrah	Office Assistant
Ali Odeh	Project Engineer (Scheduler and Controller)

The following specialty staff from CDM Smith is still supporting the project activities from CDM Smith home offices in USA and spent a significant time during the reporting period in the West Bank:

- Mr. Tony Mirabella who serves as IQC Manager for the overall project and is a Senior Vice President of CDM Smith. Mr. Mirabella communicates with the West Bank team on daily basis. Mr. Mirabella is following all work activities that take place at this project in communicating via emails and daily phone calls.
- Ms. Amy O’Connell Civil and Environmental Engineer of CDM Smith continued coordinating with West Bank Staff.
- Mr. Kevin P. Connors who serves as a Senior Project Manager is communicating with West Bank Team to be updated for ongoing progress of Qabatiya Project. Moreover, Mr. Connors is directly involved in finalizing and evaluating all variation orders and modification # 1 received for the project. An agreement was signed between CDM Smith and a local electro-mechanical office to support the team in electrical activities.

3. ACCOMPLISHMENTS

Following is a summary of significant meetings, correspondence and submittals within this reporting period.

3.1. Accomplishments

Following are key accomplishments for the reporting period.

3.1.1. General, Overall and Project Wide

During this reporting period the performed water tightness test of the balance tank for the eastern compartment was completed and for the western compartment the test is ongoing. The last water level reading was recorded on August 31, 2015. The metal works of the BT are



ongoing. Finishing works for the living quarter and chlorination building are ongoing. Excavation works for the electrical metering building and control building are completed. Construction submittals continued during this reporting period. Some of the main construction submittals during this reporting period are listed hereunder and included in the attached updated submittal log.

3.1.2. Submittals for Task Order 00006

A summary of significant submittals follows, however a table covering all submittals for the reporting period is included in the Appendix:

- Completion of the pre-construction submittals.
- Continue of the following construction submittals:
 - LV Motor Control Center - resubmittal;
 - Electrical chemical feed (metering) pump - resubmittals;
 - Structural shop drawing for fence wall- southern part;
 - Monthly QA/QC and Safety Plans Updates for July 2015;
 - Updated risk management plan for July 2015;
 - Monthly updates for environmental monitoring and mitigation plan for July 2015;
 - Multi-function valves – resubmittal;
 - Security Screen;
 - PVC Monitoring (Access) Pipes for Qabatiya Well Site - resubmittal;
 - Shop drawing for structural details of water metering pad - resubmittal;
 - Tile Grout (MULITFILL 0-5) and Tile Adhesive (Isomat® AK 22);
 - Booster Pump Barrel Shop Drawing;
 - Mechanical Shop Drawing for HVAC system of the Electrical & Control Building (submission and resubmission);
 - Method statement for excavation and installation of concrete rings for Booster pumps barrels;
 - Shop drawing for septic system covers – embossed lettering - resubmittal;
 - Electric tote transfer pump;
 - Organic Mineral Gout for Ceramic Tiles (Fugalite ® Eco) for chlorination building;
 - Analyzer Measuring System (submission and resubmission);
 - Shop Drawing for Structural Details of Booster Station - resubmittal;
 - Site Layout - Modified Elevations for QBW buildings;
 - Concrete mix design (Zakarneh ready mix plant)-report Ref .No: M/1507/201;
 - PVC Monitoring (Access) Pipes for Qabatiya Well Site – Alternative Source (resubmittal);
 - Shop drawing for electrical Manholes -Embossed lettering;
 - Precast Concrete Manholes for underground electrical works – submission and resubmission;
 - Sample of Granite for Kitchen sink;
 - Test report for ceramic tiles M/1508/37a for floors;
 - Test report on concrete compressive strength for plastering mortar of the chlorination building -(07day result)Ref: M/1507/266;
 - Qabatiya PLC-based control system hardware-main PLC enclosure;
 - Test report on fine aggregate for bedding -Ref-: M/1508/156 (submittal and resubmittal);
 - Tubing &fitting for chlorination system;



- Electrical panel boards;
- Test report on concrete compressive strength for the parapet walls of chlorination building - (28 day result)Ref: M/1507/188a;
- Digital Process Indicators;
- Conductance Probe Level Switch;
- Fabrication workshop-layout and agreement – submission and resubmission;
- Process Control & Instrumentation System (PCIS) – Pre-submittal Conference – Day 2;
- CPVC Pressure Pipe & Fittings;
- Plastic Ball Check Valves - resubmittal;
- CPVC Plastic Ball Valves – submission and resubmission;
- Fill Station Strainer;
- Adjustable Pressure Switch;
- Toilet accessories;
- Electrical Shop Drawings for Coordination Plan – Electrical Plan (resubmittal);
- Surge bladder control tank (resubmittal);
- Vertical Turbine Pump Design Calculations;
- Preliminary Operation & Maintenance Manual Outline for Qabatiya Well Pump Station;
- Sewage & electrical manholes covers (Al-Waleed co)for source approval;
- Test Report on SAND for plastering works - Ref.: M/1508/181;
- Sample for –PVC-U long radius duct bank – $\Phi 110$, t=5.3mm, PN 12.5 (Plassim);
- Volume 2 of 2: Preliminary O&M Manual for Qabatiya Conveyance System (Sections A to O);
- Low Voltage Wire and Cable – Alternative;
- Medium Voltage Cable – Alternative;
- Test report on concrete compressive strength for the external walls of the chlorination building - (28-day result). Ref: M/1507/62a;
- Test report on concrete compressive strength for the elevated slab of chlorination building - (28-day result). Ref: M/1507/135a;
- Prominent Injector;
- Polyethylene Tank for Chlorination System;
- Architectural shop drawing for kitchen cabinet;
- Kitchen Cabinet Door;
- Heat load calculation for electrical room in the electrical and control building – retracted and resubmitted;
- Basket Strainer;
- Mechanical Shop Drawings for Scupper Drain at electrical and control Building;
- An Overview of the Proposed Training Plan for Process Control & Instrumentation Systems AND Instructors' CV's;
- Shower Tray Square (800X800x110) – Alternative;
- Sample of kitchen sink;
- Structural design of Anchorage of transformer;
- Structural shop drawing for electrical manholes – resubmittal;
- Pressure gauges for Qabatiya pump station;
- Backflow Preventer – BFP-525 (resubmittal);
- Test Report on Reinforcing Bars (Field sampling on 27 August 2015) –Ref.: M/1508/402;
- Door/window Intrusion Switches – Alternative;
- Concrete mix design (Zakarneh ready mix plant)-report Ref. No: M/1507/201a - 28 day result.



3.2. Labor and Equipment

3.2.1. Geo MIS

All Implementing Partners working for the West Bank and Gaza Mission track and record labor (work force) data relative to employment of Palestinian people. The Geo MIS system includes assignment of a job classification to each worker and summation of Job Days for each classification on the project. The following table includes the Geo MIS data recorded and submitted to the Mission relative to the reporting period.

The total cumulative generated Man-Days previously 11121.885

The total cumulative generated Man-Days current period 519

The total cumulative generated Man-Days up to date are 11640.88

Female employment generated previously 552.125

Female employment generated current period 27

Female employment generated up to date is 579.125

The total cumulative previously 11674.01

The total cumulative current period 546

The total cumulative up to date is 12220.01

3.2.2. Project Beneficiaries

Total number of Beneficiaries is 78,140:

- Number of Male Beneficiaries 41,623 Male = 50.79%
- Number of Female Beneficiaries 40,328 Female = 49.21%
- Male Beneficiaries to Age 17 19,663 47.24%
- Female Beneficiaries to Age 17 19,051 47.24%
- Male Beneficiaries 18 to 25 6,568 15.78%
- Female Beneficiaries 18 to 25 6,364 15.78%
- Male Beneficiaries 26 and older 15,392 36.98%
- Female Beneficiaries 26 and older 14,913 36.98%

3.2.3. Equipment

Equipment List used during the reporting period is attached in the Appendix.

3.3. Meetings and Correspondence with USAID

- August 11, 2015 CO meeting was conducted for this reporting period.

3.4. Meetings and Correspondence with CMC and Subcontractors

- Monday – August 03, 2015 – Technical coordination meeting with IC System Co., NaserCo. in the presence of ABC.



- Sunday – August 09, 2015 – Technical coordination meeting with BV, CDM Smith, IC System Co., and ABC.
- Thursday – August 13, 2015- Pre-submittal conference –Day 2 for PCIS held at CDM Smith’s Ramallah Office in the presence of BV and IC System Co.
- Tuesday – August 18, 2015 - Technical coordination meeting with IC System Co., NaserCo., in the presence of ABC.
- Thursday – August 20, 2015 – Bi-weekly meeting #37 held at BV’s primary field office in the presence of ABC and WBWD.
- Thursday – August 20, 2015 – Coordination meeting between CDM Smith and clearance agency (OC-Lines) in Tel Aviv for coordination and arrangements related to procurement of main Qabatiya Project’s items.
- Monday – August 24, 2015 – Technical coordination meeting with BV in the presence of ABC to discuss the pending material submittals related to the chlorination system.

3.5. Procurement/Subcontract Actions

- The subcontract that has been awarded to Site Group Company for the development of Qabatiya Well has kept open until the delivery of the Well Pump where Site Group shall be responsible for fishing of the missing pump and the installation of the Well Pump upon delivery of the pump by the pump supplier. The second subcontract to Arab Brothers Contracting Co. for the installation of the conveyance system and construct all civil, mechanical and electrical works related to Qabatiya Well Site has been amended to include the VO’s received from USAID.
- A subcontract has been awarded to MOREX 71 LTD. – Institute for Non-Destructive Testing to do all the required Radiographic testing for this project.
- Purchase Orders was issued for the well pumping system, the transformer, Booster pumps VFDs, Medium Voltage Switchgear, column pipes, control valves and will be issued soon for the remaining major electrical/ mechanical equipment after finalizing the required submittals and getting the required approvals.

3.6. Quality Control

The Quality Control Manager prepared updated monthly submittal register log and Quality Control Plan. He also worked with Subcontractors to review and prepare subcontractors’ QC plans. Request for Information log is also prepared. Please see the attached updated logs.

During this reporting period – on August 29, 2015- CDM Smith’s QC/QA Manager coordinated a site visit by HC lab technician to Qabatiya Well Site to collect the required concrete samples needed to carry out the specified concrete tests for trial mix from Zakarneh Batch Plant.

Moreover; CDM Smith’s QC/QA Manager coordinated a site visit by HC lab technician to:

- Collect samples of fine aggregate (sand) that will be used as bedding material for the buried steel pipelines (August 11, 2015);
- Collect samples of sand used for plastering works (August 13, 2015);
- Collect samples for the reinforcing steel bars (Φ16) that will be used for the duct banks and buildings’ foundations (August 27, 2015).
- Collect samples of compacted soil of substrata under electrical metering and electrical control buildings (Saturday – August 29, 2015).



The water tightness of the balance tank – western compartment was closely followed up by CDM Smith’s QC/QA in full coordination and cooperation of BV’s engineers.

Moreover, the CDM Smith’s Quality Control Manager continued follow up inspection requests procedures and made sure that the three-phase inspection as well as the MRR (material receiving report) is being successfully implemented.

In addition to that, CDM Smith’s Quality Control Manager made sure that all materials and material’s sample delivered and /or submitted to CMC are in line with Contract’s documents and specifications.

3.7. Safety

Considering all activities that took place during this report period, the task order has not experienced any serious safety issues. CDM Smith as well as USAID and B&V objective is to implement a Health and Safety Program that will reduce the number of injuries, exposures, and illnesses to an absolute minimum. Our mutual goal is ZERO accidents, exposures, and injuries.

Despite of Qabatiya well site is a restricted area it has various construction activities such as excavation for buildings and implementation of electrical and mechanical utilities, therefore under this challenging condition CDM Smith and subcontractor have organized the site to comply with safety procedure and create safely work environment .

CDM smith’s safety Engineer conducted Toolbox meeting in August 01, 2015 in order to training the labors to work safely in hot weather.

As summer temperatures have been increasing in recent years, both with record-setting temperatures, as well as the duration of heat waves. Records have been set for both day-time and night-time high temperatures. Hot temperatures cause stresses to the workers, CDM smith’s safety engineer was take some protective measures to avoid heat illness mainly for Outdoor Workers as the following procedure.

Provide Potable drinking water, ensure that adequate medical services are available, and encourage workers to wear sunscreen, Alert workers of high risk conditions, and inform the supervisor when they feeling unwell.

CDM smith’s safety engineer prepared in Arabic a mitigation plan and browsing simply in order to fully understand by the labors, a copy for the plan are disputed for site as well as offices stuff.

CDM smith’s safety Engineer conducted Toolbox meeting in August 16, 2015 in order to review the labors the hot weather mitigations.

CDM smith’s safety Engineer conducted Toolbox meeting in August 27, 2015 in order to review the labors the Safety Regulations in QWP as following.

CDM smith’s safety engineer has explained and reviewed to the new labors the safety regulations and CDM Smith’s Policy.

CDM smith’s safety engineer has reviewing to the labors the important of wearing the PPE and How to do in emergency cases and the location of contact emergency numbers.

CDM Smith’s safety engineer has explained and reviewed to the labors the important of using proper tools to achieve the activities.



CDM Smith's safety engineer has inspected the safety tools and equipment that required for works at the site make sure that the labors and the supervisor can use these tools correctly.

Lesson Learned?

The prospect of getting into an accident is something no one likes to think about. From time to time again we hear our managers, supervisors or co-workers telling us to be careful, work safely and use personal protective equipment. Yet, do we really listen? We hear the words, but do we really believe we'll be the one who will have an accident?

There are those who take the safety message at work seriously, and those who do not. Safe work procedures have a purpose. Experience tells us that if we do things right, we'll complete our work correctly and safely. When personal protective equipment (PPE) is provided, this is also for good reason. PPE prevents or minimizes injury or illness to the user.

Sometimes accidents happen when you least expect them. The following provides this, along with a reminder that sometimes they do happen to us....

Lesson: CDM Smith and Subcontractor all the time reviewing the safety plan to the labors, training the new labors and check the tools, as well as masseurs for Qabatiya well project since the project has been extended and more utilities will be constructed. They continuously flowing up the housekeeping and provide the needed signs, PPE, safety tools and first aid for the site, moreover comfortable satire to balance tank roof slab has been constructed.

Lesson learned 1

Proper mitigations plans = make the work activities easier and safer for all team works.

Lesson learned 2

Updating the labors with safety regulations = will reduce a/o prevent incident.

Lesson learned 3

Reduce working Outdoor in hot temperatures = will reduce a/o prevent serious incident

Despite that conveyance system has been almost completed and the works are restricted at Qabatiya well site more safety awareness by supporting of subcontractor will be kept during of construction of the buildings activities (excavations, concrete casting, and confined space entry inside balancing tank). The followings will be checked on Daly basis:

- Housekeeping to be maintained all time.
- Toolbox meeting and training for new labors.
- Periodic check of safety tools and equipment.
- Apply safety measures and mitigation plans

CDM Smith safety Engineer as part of his job is always trying to make sure that the jobsite has the basic first-aid kit and that a procedure is in place to replace expended, used or outdated items. First-aid kits are available in all CDM Smith and CMC offices as well as project vehicles.



3.8. Public Relations

CDM Smith continued the coordination and public relations activities during the reporting period. Coordination with both Azzababdeh and Qabatiya Municipalities is always on the highest level to resolve any issue and / or obstacle that might be encountered during the construction activities. Both Municipalities always show full cooperation and commitment to ease all obstacles and other project related issues (if any).

3.9. Project Permitting & Security

The location of the project in the north of the West Bank with parts of the project located in area C requires continuous coordination with civil administration to facilitate the mobility of CDM Smith and subcontractors' personnel and vehicles to the project site if checkpoints exist or if any activity needs coordination.

CDM Smith Logistics and Security Manager has regular coordination meetings with the coordination office in Beit El. CDM Smith Logistics and Security Manager is always ready to coordinate with the required authority, or with the civil administration to facilitate any difficulty that may face the project construction.

4. SCHEDULE

4.1. Progress vs. Planned

Updated CPM Schedule till end of August 2015 attached. Below is a summary for the project percentages of completion. A revised baseline schedule will be submitted to cover all changes mentioned in variation order No.6 and variation order No.7, after signing VO # 7.

Performance % Complete =	21.49 %
Schedule % Complete=	27.08 %
Float =	-36 Days

Delay caused from Boosters procurement activities whereas we are working with the suppliers, Subcontractors and clearance agent to expedite the manufacturing, shipping and construction schedules to accommodate the slippage.

5. OUTLOOK FOR NEXT REPORTING PERIOD

The following subsections provide information on anticipated activities through the next reporting period.

5.1. Planned Submission of Next Invoices

CDM Smith is planning to prepare Invoice No. 9 .This invoice will cover the excavation works and reinforced concrete of the living quarter and disinfection building foundations, civil works for the septic tank and seepage pit and any other activity completed to the day of invoicing.

5.2. Planned Activities Anticipated During September 2015

The Following activities are anticipated to be submitted, constructed or implemented during September 2015:

- Start construction works of the electrical buildings (metering and electrical & Control).
- Continue the finishing works of the living quarter and chlorination building. Continue submitting all required shop-drawings, submittals and requests to allow proceeding with the works at the well



- site.
- Finalizing installation of the metal works for the balancing tank.
- Continue working on Partial Handover for Qabatiya Conveyance System taking into consideration all CMC's comments and/or instructions.
- Starting the electrical duct works in the yard.
- Starting backfill around the balance tank and behind the retaining walls
- Construction of the remaining walls.
- Starting the epoxy paint inside the tank.

5.3. Planned Staff Changes

The CDM Smith teams will actively searching for additional staff to serve in any area required to complete the project with the best quality and safe procedure. Any required position will be filled as needed and as the overall workload increases. Various technical specialists will also work from other CDM Smith offices and/or work TDY in the West Bank as needed.

5.4. Planned Meetings and Correspondence with USAID

No CO meeting is scheduled..

5.5. Planned Meetings and Correspondence with CMC

Coordination meetings are scheduled for each Task Order every two weeks. Task Order 00006 meetings are expected every two weeks in each reporting period

5.6. Planned Meetings and Correspondence with Others

CDM Smith stands ready to meet with other stakeholders as needed.

6. ISSUES AND CONSTRAINTS

CDM Smith works to actively communicate potential problems to the CMC and USAID. The following subsections cover current and anticipated issues and constraints.

6.1. Administration

No Administrative Constraints were faced during the reporting period. The cooperation and the understanding of the project situation between the Contractor and the CMC allowed resolving all minor problems appeared during the reporting period.

6.2. Qabatiya Conveyance System :

No issues at this time.

6.3 Qabatiya Well Site:

Procurement of major (long lead) items. Performing construction activities on an operational well (minimize down time for the well).

6.4 Others

No other issues at this time.



7 APPENDIX

- Photos
- Meeting Minutes
- Submittals summary table
- Invoices log
- RFI Log
- Geo MIS logs
- Inspection Request Log
- Variation Order Request Log
- Equipment List
- Risks and Mitigation Measures
- Updated CPM Schedule

END OF REPORT

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Task Order 00006 Photos



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Surface leveling and safety measures before excavation works for electrical buildings , 01 August 2015



Safety toolbox meeting at Qabatiya Well Site , 01 August 2015



Applying scratch plaster coat inside the Chlorination Building , 02 August 2015



Surface preparations and scaffolding for Chlorination Building prior to starting plastering works, 03 August 2015



Delivery of steel fittings to Qabatiya Well Site for yard piping works, 04 August 2015



Applying scratch plaster coat and corner beads for the Chlorination Building , 05 August 2015



Excavation works for the Electrical Control and Electrical Metering buildings , 06 August 2015



Making level guides prior to starting brown plaster coat for the Chlorination Building, 08 August 2015



Excavation works for the Electrical Control and Electrical Metering buildings , 09 August 2015



Excavation works for underground yard pipes, 10 August 2015



Installation of window sills, 11 August 2015



CDM Smith QA/QC Manager inspecting underground yard piping works , 11 August 2015



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Installation of doors frames for the Living Quarter , 13 August 2015



Welding works for underground yard piping at Qabatiya Pump Station, 13 August 2015



Applying damp-proofing material for the floor slab of Chlorination Building , 15 August 2015



Safety toolbox meeting at Qabatiya Pump Station , 16 August 2015



Applying brown plaster coat for the Living Quarter , 17 August 2015



Backfilling with (somsom) material over the installed underground yard pipes, 18 August 2015



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Inspection of delivered steel fittings to be used for piping works at Qabatiya Pump Station, 19 August 2015



Bi-weekly progress meeting between CMC and CDM Smith, 20 August 2015



Installation of air vents at the roof slab of the balance tank ,23 August 2015



Backfilling with sand below the finish floor level of the Chlorination Building ,23 August 2015



WBWD contractor re-locating existing steel pipe , 25 August 2015



Electrical wiring works for the Chlorination Building , 25 August 2015



Formwork and steel reinforcement for encasement of existing steel pipe at Well Pump Station , 27 August 2015



Casting blinding concrete below the foundation of remaining segment of eastern retaining wall , 29 August 2015



HCL technician collecting soil samples from reached substrata level below Electrical Metering & Electrical Control Buildings , 29 August 2015



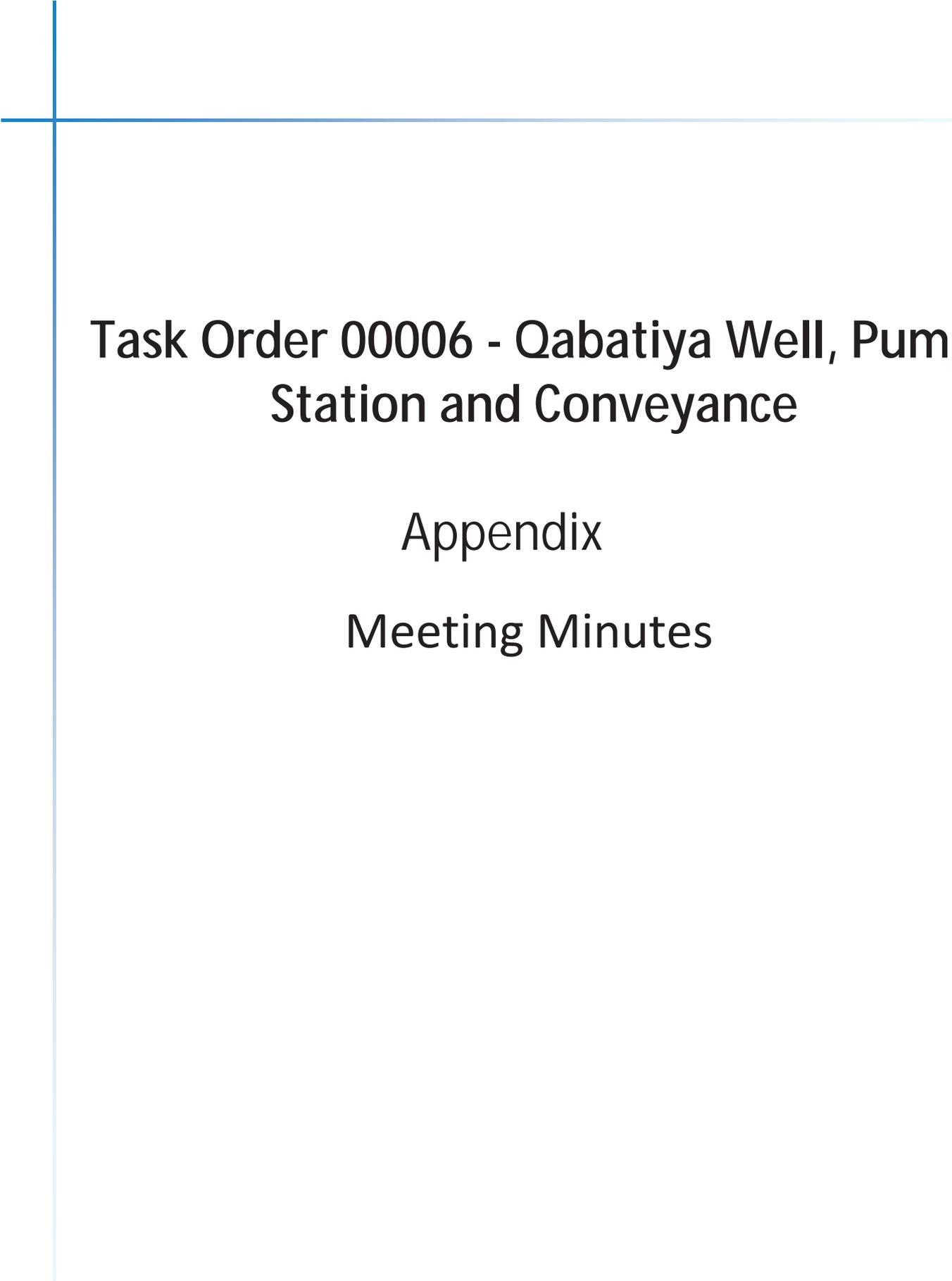
Applying rockfill material for soil modification below the foundation of Electrical Metering Building, 30 August 2015



Applying rockfill material for soil modification below the foundation of Electrical Metering Building, 31 August 2015



Installation of shower in the bathroom inside the Living Quarter, 31 August 2015



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Meeting Minutes



Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #37

Date:

Thursday, August 20, 2015

Timing:

10:00 AM – 11:00 AM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD	USAID	Black and Veatch	CDM Smith and Subcontractors
--	--	Mr. Mukhles Najajreh Ms. Renee Saad Mr. Murad Daoud Mr. Adam Awwad Ms. Lubna Haj Hamad Mr. Tamer Assaf	Mr. Talal Mahasin Mr. Yazan Muqbel Mr. Ali Odeh Mr. Abed Baker

Notes Prepared by:

Mukhles Najajreh, Black & Veatch

Purpose:

Bi-weekly Progress Meeting for Qabatiya Well Pump Station and Conveyance System Project– TO 13-00006; aimed to review progress of work, discuss project issues and provide solutions where required.

We believe that these minutes accurately reflect what transpired at the meeting. Unless we are notified in writing to the contrary by 2 working days, the minutes will stand as written.

Abbreviation List:

AAUJ: Arab American University Jenin, **ASAP:** As Soon As Possible, **BV:** Black and Veatch, **CM:** Coordination Meeting, **CO:** Contracting Officer, **DCL:** District Coordination Liaison, **CDM:** Camp Dresser & McKee, **DJR:** Daily Joint Report. **INFO:** Information, **MCC:** Motor Control Center; **MOM:** Minutes of Meeting, **MTS:** Manual Transfer Switch, **NCR:** Non Compliance Report, **PLC:** Programmable Logic Controller, **PM:** Progress Meeting, **PWA:** Palestinian Water Authority, **QBW:** Qabatiya Well, **USAID:** United States Agency for International Development, **VFD:** Variable Frequency Drive; **VOR:** Variation Order Request, **VO:** Variation Order, **WBWD:** West Bank Water Department.



1. Project Key Data:

- Notice of Award April 02, 2013
- Contract Signing April 02, 2013
- Notice to Proceed May 14, 2013
- Project Duration 550 Days
- Modified Project Duration 996 Days
- Project Planned Completion Date November 14, 2014
- Modified Completion Date February 03, 2016
- Project Elapsed Time 829 Days (83.23%)
- Project Planned Overall % of Completion N/A
- Project Actual Overall % of Completion N/A
- Total Float (Variance Duration) N/A

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #37.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.

3. Documents Attached:

- Progress Meeting Agenda #37.
- Attendees List.
- Two Weeks Look Ahead by CDM Smith.
- Equipment Procurement Schedule.

4. Next Meeting is scheduled at 11:00 AM on Thursday, September 03, 2015 at Al Zababida, Palestine.

Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#33	<p><u>Safety & Environment</u> 1.1 Storage and Workshop Areas.</p> <p>BV reminded CDM Smith that all delivered materials shall be stored in the accepted storage areas. Furthermore, BV requested from CDM Smith to enforce safety regulation and all required mitigations according to OSHA standards and project requirements to obtain the approval of the fabrication workshop.</p> <p>Moreover, BV reminded CDM Smith that the acceptance on the SUB-13-00006-QBW-635-A "Fabrication Workshop" shall be obtained prior to any related inspections.</p>	<p>CDM Smith</p> <p>Info</p>	ASAP
	PM#29	<p>1.2 Housekeeping.</p> <p>BV repeatedly reminded CDM Smith that housekeeping shall be maintained at all times to avoid any unforeseen injuries.</p>	CDM Smith	All Times
	New	<p>1.3 Existing Utility Protection.</p> <p>BV reminded CDM Smith that it is the Contractor's responsibility to make all necessary arrangements and coordination to protect the underground utilities from damage during excavating operations.</p> <p>Furthermore, BV reminded CDM Smith that coordination and approval of utility owners shall be performed prior to carrying out construction works adjacent to such utilities.</p>	CDM Smith	All Times
	PM#29	<p>1.4 Asbestos Sheets.</p> <p>BV inquired about the status of asbestos sheets dismantling and disposal.</p> <p>CDM Smith stated that asbestos sheets will be demolished and transported to Zahrat Al-Finjan dumpsite by the end of next week.</p>	CDM Smith	Aug 27, 2015
2	PM#34	<p><u>Quality.</u> 2.1 Conveyance System O&M.</p> <p>BV inquired about the current status of Conveyance System O&M Manual.</p> <p>CDM Smith stated that the final O&M for the conveyance system will be submitted on Monday; August 24, 2015.</p>	CDM Smith	Aug 24, 2015



	PM#34	<p>2.2 Training Plan.</p> <p>BV raised concern with respect to the observed delay in submission of a comprehensive training plan. Furthermore, BV reminded CDM Smith that the delay in submitting the plan will affect the partial handing over of the conveyance system.</p> <p>Accordingly, BV urged CDM Smith to exert more efforts to finalize this issue by the end of next week. In addition, BV stated that all support needed to accelerate this issue will be provided to CDM Smith.</p>	Info	
			CDM Smith	Aug 27, 2015
	New	<p>2.3 Equipment Test Plan.</p> <p>BV reminded CDM Smith to submit equipment test plan for field and factory tests as per project specifications that include all details (test schedule, tag schedule, and instrumentation tag list, etc.).</p>	CDM Smith	ASAP
	New	<p>2.4 Conveyance System Fittings and Valves.</p> <p>BV reminded CDM Smith that all required mill certificates and test reports for all fitting and valves installed at the conveyance system shall be accepted prior to handing over.</p>	CDM Smith	All Times
3	PM #01	<p><u>Progress of Work.</u></p> <p>3.1 Progress Summary by CDM Smith.</p> <p>CDM Smith presented a brief progress of work and distributed a progress percentages (refer to attached copy) comparing the actual completion percentage and planned percentages for the project. Furthermore, CDM Smith stated that the following activities are progressing on site:</p> <ul style="list-style-type: none"> • Plastering works for living quarter and chlorination buildings; • Leakage testing and repair for balancing tank western compartment.; • Yard piping and • Excavation to reduced levels for Electrical Control and Metering rooms. <p>BV noted that the submitted progress figures are not valid since the last accepted CPM has been outdated after issuing VO #06. Furthermore, BV reminded CDM Smith to submit revised schedule at the earliest.</p> <p>CDM Smith stated that the revised schedule needs the approval of CDM Smith IQC manager, once that is completed, the schedule will be submitted accordingly.</p>	Info	
			CDM Smith	ASAP
			CDM Smith	ASAP



	PM#34	<p>3.2 Negative Floats.</p> <p>BV raised concern with respect to the reported negative float and inquired about the reasons behind these delays.</p> <p>CDM Smith advised that these delays are mainly a result of Surge tank & Booster pumps procurement. Furthermore, CDM Smith advised that a cargo plane method for shipment will be used to decrease the reported delays. In addition, CDM Smith stated that increasing the resources and working hours will be adopted to reduce the installation period.</p> <p>Moreover, CDM Smith stated that Donation number 1 was approved and number 2 will be sent today for CMC's review and feedback.</p>	<p>Info</p> <p>Info</p> <p>Info</p>	
	PM#01	<p>3.3 Long Lead Items Procurement Update.</p> <p>CDM Smith distributed the equipment procurement schedule during the meeting (refer to attached copy).</p> <p>BV stated that the schedule will be reviewed and the comments –if any– will be sent to CDM Smith accordingly. Furthermore, BV reminded CDM Smith to provide the CMC with the updated schedule for the equipment procurement on regular basis. Moreover, BV stated that the schedule will be used as a tracking tool.</p>	<p>Info</p> <p>CDM Smith</p>	All Times
	PM#01	<p>3.4 Two Weeks Look Ahead.</p> <p>CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).</p>	<p>Info</p>	
	PM#36	<p>3.5 Defects and Incomplete Works at the Conveyance System</p> <p>BV reminded CDM Smith to expedite the in completed/defected works in the conveyance system at the earliest.</p> <p>BV further recommended CDM Smith to prepare a mock-up for the manholes internal repair for CMC acceptance prior to proceeding with repair works.</p>	<p>CDM Smith</p> <p>Info</p>	ASAP
4	PM #26	<p><u>Submittals.</u></p> <p>4.1 Required Variation Order Requests.</p> <p>BV urged CDM Smith to prepare and submit VORs for all changed items so as to incorporate the acceptable changes in the upcoming VO.</p> <p>CDM Smith stated that the required VORs for all changes needs the approval of CDM Smith IQC Manager, once that is completed, the VORs</p>	<p>Info</p> <p>CDM Smith</p>	ASAP



		will be submitted to CMC accordingly.		
5	PM #01	<u>Financial.</u> 5.1 Financial No issues were reported during the meeting.	Info	
6	PM #01	<u>Reports.</u> 6.1 Monthly Report. No issues were reported during the meeting.	Info	
	PM #01	6.2 Daily Joint Report. No issues were reported during the meeting.	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #37**

Date:

Thursday, August 20, 2015

Timing:

10:00 AM – 11:00 AM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

- PWA/WBWD.
- USAID.
- Black & Veatch.
- CDM Smith and Sub-Contractors.

Agenda:

1. Safety & Environment.

- 1.1 Storage and Workshop Areas
- 1.2 Housekeeping.
- 1.3 Existing Utilities Protection

2. Quality.

- 2.1 Conveyance System O&M.
- 2.2 Training Plan.
- 2.3 Equipment Test Plan.

3. Progress of Work.

- 3.1 Progress Summary by CDM Smith.
- 3.2 Long Lead Items Procurement Update.
- 3.3 Two Weeks Look Ahead.
- 3.4 Defects and Incomplete Works at the Conveyance System.

4. Submittals.

4.1 Required Variation Order Requests.

5. Financial.

6. Reports.

6.1. Daily Joint Reports.

6.2. Monthly Reports.

7. Others.

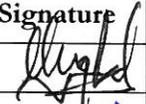
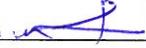
Subject: TO13-00006 QBW: Progress Meeting #37

Venue: B&V Office – Az-Zababdeh

Date: August 20, 2015

Time: From 10:00 AM to 11:00 AM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Yazan Muqbel	Project Eng.	CDM Smith		meqbel.ye@cdmsmith.com	
2	Abdel Rahman Barkeer	safety Eng.	CDM Smith	0592-997700	barkeer.a@cdmsmith.com	
3	Talal Mahayin	QC/QA	CDM Smith	0592-997702	mahayin.t@cdmsmith.com	
4	Ali Odeh	Planner	CDM Smith	0997 997723	odeh.a@cdmsmith.com	
5	Renee Saad	Sr. PM	B&V	0568930474	saadr@bv.com	
6	Lubna Haj Hamad	Sr. OE	B&V	0598 984661	HajhamadL@bv.com	
7	Mukhlis Najjireh	PM	BV	0598934660	najjirehm@bv.com	
8	Murad Daboud	QA	BV	0598934662	DaboudM@bv.com	
9	Tamer Assaf	OE	BV	0592 997707	AssafT@bv.com	
10	Adnan Awwad	R.E	B.V	0592 997709	Awwad.a@bv.com	
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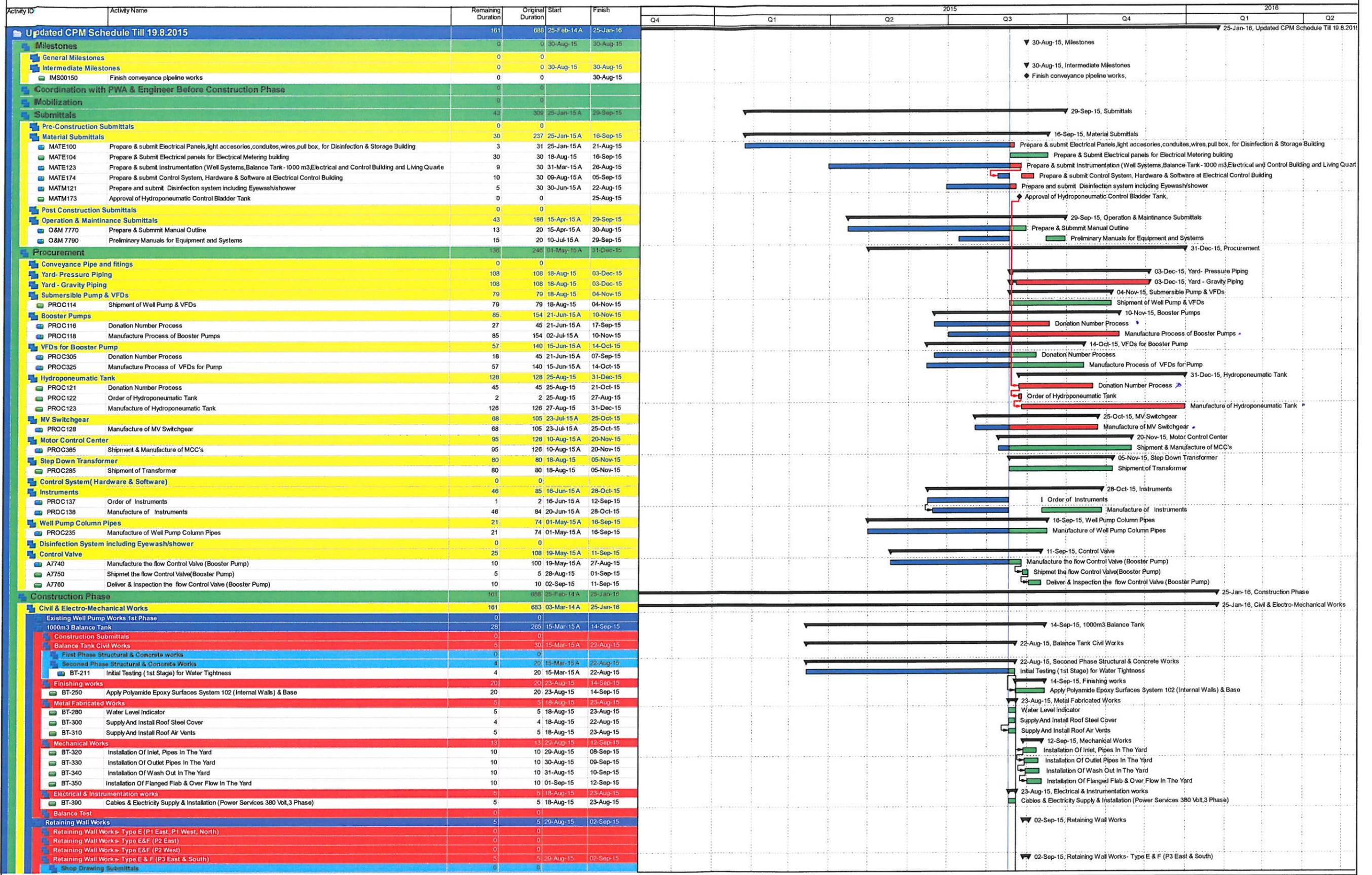
Date: 20th August, 2015

Updated CPM Schedule Till: 19th August, 2015

- Qabatiya Well Pump Station and Conveyance System:

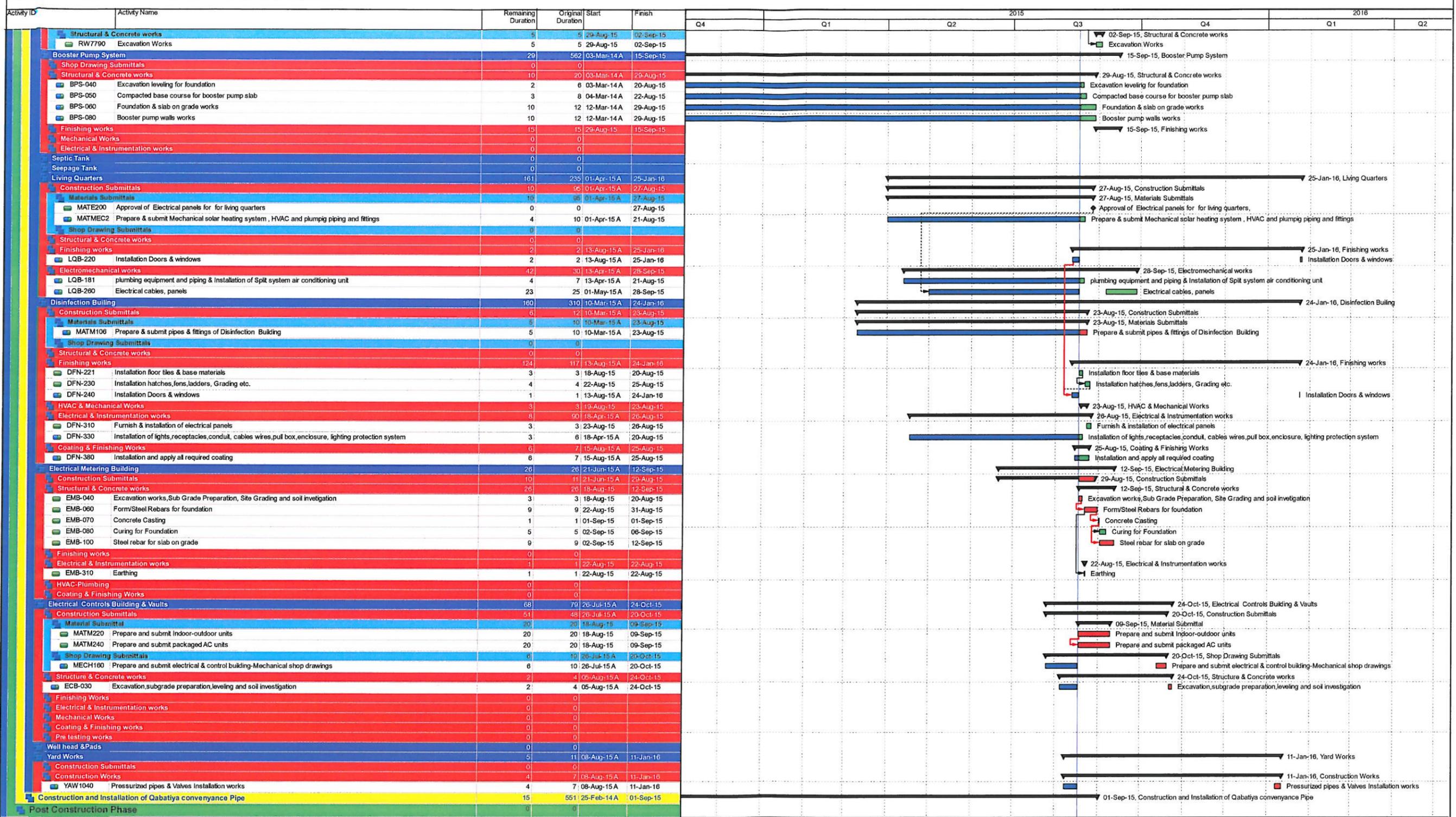
- Planned Start Date = 14th May 2013
- Planned Finish Date = 3rd February, 2016

- Planned % complete = 26.62%
- Performance % complete = 21.15 %
- Float = - 63 Days



■ Actual Level of Effort
 ■ Remaining Work
 ◆ Milestone
■ Actual Work
 ■ Critical Remaining Work
 ▼ summary

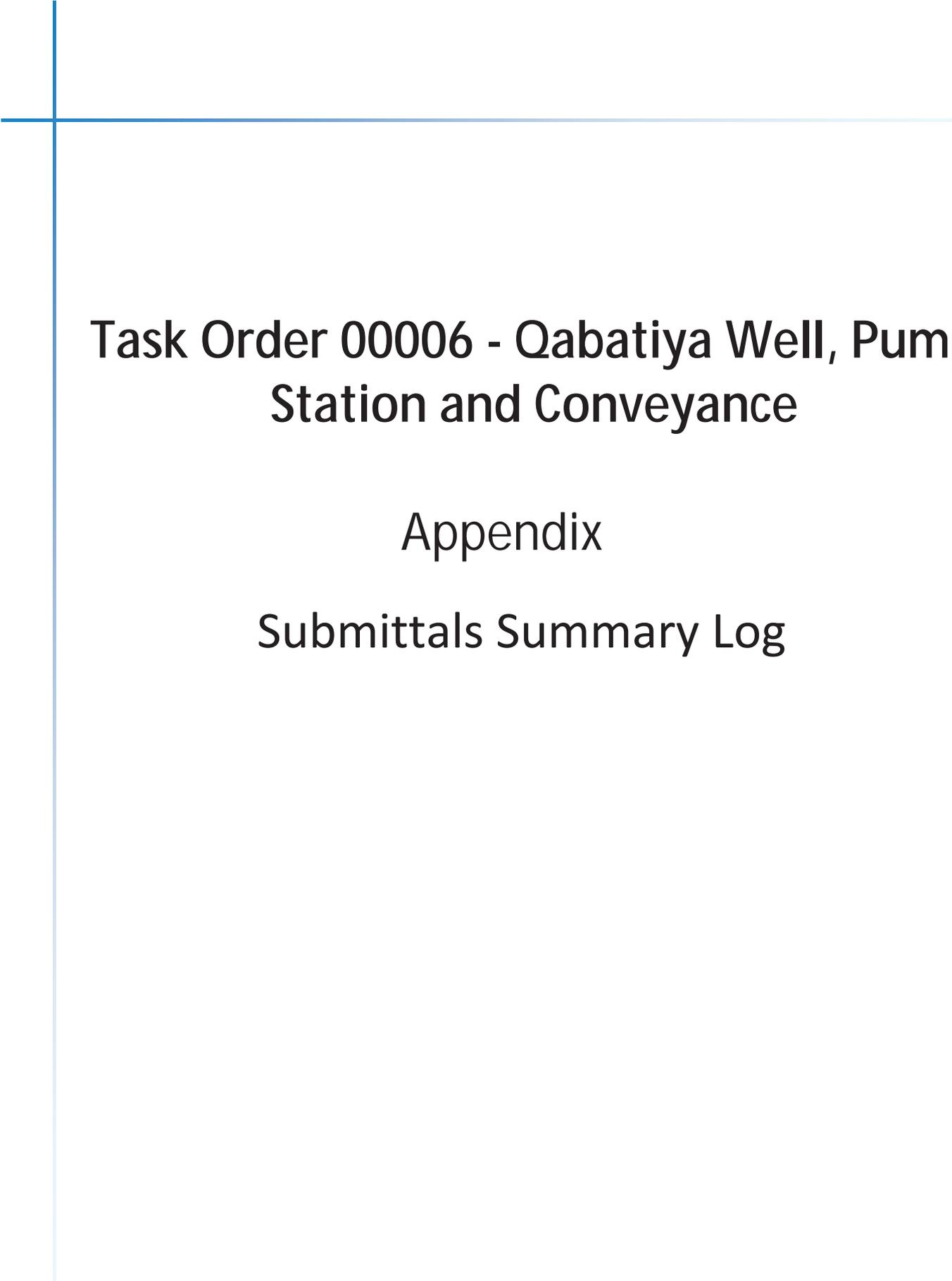
2 Weeks Look Ahead Schedule - Updated Schedule till 19 August 2015



█ Actual Level of Effort
 █ Remaining Work
 █ Critical Remaining Work
 ◆ Milestone
 ▬ summary

Major Equipment Procurement Schedule

Item	Description	Unit	Quantity	Manufacturer/Supplier Info.	Source	Donation Number	Submittals		Submittal Status	Ordering		Order Status	Manufacturing & Testing		Manufacturing Duration	Manufacturing status	Shipping		Shipping Duration	Clearance/ Ashdod Port		Transport to Project Site		since approval - Over all duration (days)	
A-	Mechanical																								
1-	Pumps																								
1.1	Well Pump																								
1.1.1	Submersible pump with motor and all related	No.	1	Baker Hughes.	America/Out Source		24-Dec-14	20-Feb-15	Approved	23-Mar-15	24-Mar-15	Ordered	25-Mar-15	20-Aug-15	148	98%	21-Aug-15	30-Sep-15	40	1-Oct-15	16-Oct-15	17-Oct-15	20-Oct-15	242	
1.1.2	400 V to 3.3 KV step-up transformer	No.	1	Baker Hughes.	America/Out Source		24-Dec-14	20-Feb-15	Approved	23-Mar-15	24-Mar-15	Ordered	25-Mar-15	20-Aug-15	148	98%	21-Aug-15	30-Sep-15	40	1-Oct-15	16-Oct-15	17-Oct-15	20-Oct-15	242	
1.1.3	Standby LV VFDs	No.	2	Baker Hughes.	America/Out Source		24-Dec-14	20-Feb-15	Approved	23-Mar-15	24-Mar-15	Ordered	25-Mar-15	20-Aug-15	148	98%	21-Aug-15	30-Sep-15	40	1-Oct-15	16-Oct-15	17-Oct-15	20-Oct-15	242	
1.1.4	Columns pipes	M.L	430	Al Wael.	America/Out Source		24-Dec-14	21-Apr-15	Approved	2-Jul-15	22-Apr-15	Ordered	26-Jul-15	25-Aug-15	30	95%	26-Aug-15	25-Sep-15	30	26-Sep-15	11-Oct-15	12-Oct-15	15-Oct-15	177	
1.1.5	Access pipes	No.	1440	Atlantic Screen & Manufacturing INC	America/Out Source	Under review	1-Aug-15	10-Aug-15	Approved	11-Aug-15	16-Aug-15	Ordered	18-Aug-15	4-Sep-15	17	20%	5-Sep-15	5-Oct-15	30	6-Oct-15	21-Oct-15	22-Oct-15	25-Oct-15	76	
1.2	Well pump (Standby)																								
1.2.1	well pumping unit (Spare)	No.	1	Baker Hughes.	America/Out Source	Approved	24-Dec-14	20-Feb-15	Approved	23-Mar-15	24-Mar-15	Ordered	25-Mar-15	20-Aug-15	148	98%	21-Aug-15	30-Sep-15	40	1-Oct-15	16-Oct-15	17-Oct-15	20-Oct-15	242	
1.3	Booster pumps																								
1.3.1	Booster can pump	No.	2	Morex	America/Out Source		23-Feb-15	7-Jun-15		1-Jul-15	1-Jul-15	Ordered	2-Jul-15	28-Nov-15	149	31%	29-Nov-15	8-Jan-16	40	9-Jan-16	24-Jan-16	25-Jan-16	28-Jan-16	235	
1.3.2	Spare barrel for future	No.	1	Morex	America/Out Source		23-Feb-15	7-Jun-15		1-Jul-15	1-Jul-15	Ordered	2-Jul-15	28-Nov-15	149	31%	29-Nov-15	8-Jan-16	40	9-Jan-16	24-Jan-16	25-Jan-16	28-Jan-16	235	
1.3.3	Motor	No.	2	Morex	America/Out Source		23-Feb-15	7-Jun-15		1-Jul-15	1-Jul-15	Ordered	2-Jul-15	28-Nov-15	149	31%	29-Nov-15	8-Jan-16	40	9-Jan-16	24-Jan-16	25-Jan-16	28-Jan-16	235	
1.3.4	Spare parts	No.	2	Morex	America/Out Source		23-Feb-15	7-Jun-15		1-Jul-15	1-Jul-15	Ordered	2-Jul-15	28-Nov-15	149	31%	29-Nov-15	8-Jan-16	40	9-Jan-16	24-Jan-16	25-Jan-16	28-Jan-16	235	
2-	Hydropneumatic tank																								
2.1	Hydropneumatic tank	No.	1	Morex	America/Out Source	Required	20-Jun-15	18-Aug-15	Expected	19-Aug-15	20-Aug-15	-	21-Aug-15	23-Dec-15	124	-	24-Dec-15	23-Jan-16	30	24-Jan-16	31-Jan-16	1-Feb-16	4-Feb-16	170	
2.2	Spare parts	No.	1	Morex	America/Out Source	Required	20-Jun-15	18-Aug-15	Expected	19-Aug-15	20-Aug-15	-	21-Aug-15	23-Dec-15	124	-	24-Dec-15	23-Jan-16	30	24-Jan-16	31-Jan-16	1-Feb-16	4-Feb-16	170	
3-	Air compressor (Boosters)																								
3.1	Air compressor	No.	1	Atlascopppo	Local	-	1-Jul-15	15-Sep-15	Expected	16-Sep-15	17-Sep-15	-	18-Sep-15	18-Oct-15	30	-							18-Oct-15	20-Oct-15	35
4-	Chlorination System																								
4.1	1000L tanks	No.	2		Out Source	Required	1-Jul-15	25-Aug-15	under review	26-Aug-15	27-Aug-15	-	28-Aug-15	27-Oct-15	60	-	28-Oct-15	27-Nov-15	30	27-Nov-15	4-Dec-15	4-Dec-15	7-Dec-15	104	
4.2	Dosing pump and spare parts	No.	3		Local	-	1-Jul-15	20-Aug-15	under review	21-Aug-15	22-Aug-15	-	23-Aug-15	1-Nov-15	70	-						2-Nov-15	9-Nov-15	81	
4.3	Elec. Transfer pump	No.	1		Local	-	1-Jul-15	20-Aug-15	under review	21-Aug-15	22-Aug-15	-	23-Aug-15	1-Nov-15	70	-						2-Nov-15	9-Nov-15	81	
4.4	Eye wash and shower (Inside)	No.	1		Out Source	Required	1-Jul-15	5-Aug-15	Approved	6-Aug-15	7-Aug-15	-	8-Aug-15	7-Oct-15	60	-	8-Oct-15	7-Nov-15	30	7-Nov-15	14-Nov-15	14-Nov-15	17-Nov-15	104	
4.5	Eye wash and shower (outside)	No.	1		Out Source	Required	1-Jul-15	5-Aug-15	Approved	6-Aug-15	7-Aug-15	-	8-Aug-15	7-Oct-15	60	-	8-Oct-15	7-Nov-15	30	7-Nov-15	14-Nov-15	14-Nov-15	17-Nov-15	104	
4.6	injector	No.	2		Local	-	1-Jul-15	20-Aug-15	under review	21-Aug-15	22-Aug-15	-	23-Aug-15	1-Nov-15	70	-						2-Nov-15	9-Nov-15	81	
5-	HVAC - Electrical Control																								
	Spilt units 2 ton	No.	3		Local		20-Jun-15	22-Jun-15	Approved	15-Sep-15	16-Sep-15		17-Sep-15	17-Oct-15	30							18-Oct-15	21-Oct-15	121	
	Spilt units 2.5 ton	No.	4		Local		20-Jun-15	22-Jun-15	Approved	15-Sep-15	16-Sep-15		17-Sep-15	17-Oct-15	30							18-Oct-15	21-Oct-15	121	
5-	HVAC - Electrical meetering																								
5.1	Packaged roof top air conditioning units	No.	1		America/Out Source	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	28-Nov-15	156	-						29-Nov-15	1-Dec-15	162	
5.2	Spilt units 2 ton	No.	1		Local	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	3-Sep-15	70	-						4-Sep-15	7-Sep-15	77	
5.3	Multi spilt unit	No.	1		Local	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	3-Sep-15	70	-						4-Sep-15	7-Sep-15	77	
5.4	Dry filter and sight glass	No.	3		Local	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	3-Sep-15	70	-						4-Sep-15	7-Sep-15	77	
5.5	Fans for metering building	No.	2		Local	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	3-Sep-15	70	-						4-Sep-15	7-Sep-15	77	
5.6	Temperature Controller	No.	8		Local	-	20-Jun-15	22-Jun-15		23-Jun-15	24-Jun-15	-	25-Jun-15	3-Sep-15	70	-						4-Sep-15	7-Sep-15	77	
5.7	Electrical Panels	No.	2	EMCO	Local	-	20-Jun-15	23-Jun-15		24-Jun-15	25-Jun-15	-	26-Jun-15	14-Sep-15	80	-						15-Sep-15	16-Sep-15	85	
2	Electrical																								
2.1	Equipment																								
2.1.1	Motor Control Centers (MCC)	No.	1	EMCO	Local	-	18-Jun-15	11-Aug-15	Approved	12-Aug-15	13-Aug-15	Ordered	14-Aug-15	20-Sep-15	37	43%					21-Sep-15	11-Oct-15	12-Oct-15	20-Oct-15	70
2.1.2	Variable Frequency Drive (VFD) & Spare parts	No.	2	Siemens	America/Out Source	Under review	23-Apr-15	7-Jun-15	Approved	25-Jun-15	26-Jun-15	Ordered	27-Jun-15	7-Oct-15	102	45%	8-Oct-15	7-Nov-15	30	8-Nov-15	15-Nov-15	16-Nov-15	19-Nov-15	165	
2.1.4	Medium Voltage Switch Gear (MVSG)	No.	1	IC System	Local	-	4-Mar-15	11-Jun-15	Approved	1-Jul-15	2-Jul-15	Ordered	3-Jul-15	30-Nov-15	150	35%						1-Dec-15	3-Dec-15	175	
2.1.5	Transformer	No.	1	COOPER	America/Out Source	Approved	16-Feb-15	18-May-15	Approved	7-Jun-15	8-Jun-15	Ordered	9-Jun-15	18-Aug-15	70	99%	19-Aug-15	23-Sep-15	35	24-Sep-15	1-Oct-15	1-Oct-15	4-Oct-15	139	
2.2	Control Equipment																								
2.2.1	Hardware	No.	1	IC System	Local	-	14-Jun-15	28-Sep-15	Submittal under preperation	29-Sep-15	30-Sep-15	-				-						2-Dec-15	3-Dec-15	66	
2.2.2	Software	No.	1	IC System	Local	-	14-Jun-15	28-Sep-15	Submittal under preperation	29-Sep-15	30-Sep-15	-				-						2-Dec-15	3-Dec-15	66	



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Submittals Summary Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-440B	Electrical Shop Drawings for Coordination Plan – Electrical Plan	13/08/2015	20/08/2015	B
SUB-13-00006-QBW-547C	LV Motor Control Centre	02/08/2015	11/08/2015	B
SUB-13-00006-QBW-550C	Shop Drawing for Structural Details of Booster Station	06/08/2015	17/08/2015	C
SUB-13-00006-QBW-558B	Backflow preventer -BFP-526	30/08/2015		
SUB-13-00006-QBW-565B	Surge bladder control tank	13/08/2015	20/08/2015	B
SUB-13-00006-QBW-576B	Electrical Manholes structural details	30/08/2015		
SUB-13-00006-QBW-585B	Pressure Gauges for Qabatiya pump station	10/08/2015	19/08/2015	B
SUB-13-00006-QBW-588B	PVC Monitoring (Access)pipes for Qabatiya well site	02/08/2015	05/08/2015	B
SUB-13-00006-QBW-589B	PVC Monitoring (Access)pipes for Qabatiya well site - Alternative Source	09/08/2015	11/08/2015	B
SUB-13-00006-QBW-591B	shop drawing for structural details of water metering pad	03/08/2015	09/08/2015	B
SUB-13-00006-QBW-593B	Shop drawing for septic system covers embossed lettering	03/08/2015	05/08/2015	A
SUB-13-00006-QBW-607A	Electric tote transfer pump	02/08/2015	05/08/2015	C
SUB-13-00006-QBW-607B	Electric tote transfer pump	17/08/2015	19/08/2015	B
SUB-13-00006-QBW-608A	Electrical chemical feed (metering)pump	02/08/2015	05/08/2015	D
SUB-13-00006-QBW-608B	Electrical chemical feed (metering)pump	09/08/2015	19/08/2015	C
SUB-13-00006-QBW-608C	Electrical chemical feed (metering)pump	26/08/2015		
SUB-13-00006-QBW-609A	Structural shop drawing for fence wall- southern part	02/08/2015	17/08/2015	C
SUB-13-00006-QBW-610A	Monthly QA/QC and Safety Plans Updates for July 2015	02/08/2015	11/08/2015	B
SUB-13-00006-QBW-611A	Up date risk management plan for July 2015	03/08/2015	11/08/2015	A
SUB-13-00006-QBW-612A	Monthly update for environmental monitoring and mitigation plan for July 2015	03/08/2015	11/08/2015	A
SUB-13-00006-QBW-613A	Multi-function valves	03/08/2015	11/08/2015	C
SUB-13-00006-QBW-613B	Multi-function valves	16/08/2015	19/08/2015	A
SUB-13-00006-QBW-614A	Security Screen	03/08/2015	11/08/2015	B
SUB-13-00006-QBW-615A	Tile Grout (Multifold 0-5)and tile adhesive: Isomat [®] AK 22	04/08/2015	06/08/2015	A
SUB-13-00006-QBW-616A	Organic Mineral grout for ceramic tiles (fugalite [®] Eco) for chlorination building	04/08/2015	06/08/2015	A
SUB-13-00006-QBW-617A	Analyzer Measuring system	05/08/2015	Retracted 18/8/2015	
SUB-13-00006-QBW-617A	Analyzer Measuring system	20/08/2015	27/08/2015	B
SUB-13-00006-QBW-618A	Booster pump Barrel shop drawing	05/08/2015	09/08/2015	B
SUB-13-00006-QBW-619A	Mechanical shop drawing for HVAC system of the electrical & control building	05/08/2015	18/08/2015	C
SUB-13-00006-QBW-619B	Mechanical shop drawing for HVAC system of the electrical & control building	31/08/2015		
SUB-13-00006-QBW-620A	Method statement for excavation and installation of concrete rings for Booster pumps barrels	06/08/2015	13/08/2015	B
SUB-13-00006-QBW-621A	site Layout -Modified elevations for QBW building	09/08/2015	17/08/2015	C
SUB-13-00006-QBW-622A	Concrete mix design (Zakameh ready mix plant)-report Ref.No:M/1507/201	09/08/2015	17/08/2015	B
SUB-13-00006-QBW-623A	Shop drawing for electrical Manholes -Embossed lettering	09/08/2015	13/08/2015	A
SUB-13-00006-QBW-624A	Precast concrete manholes for underground electrical works	10/08/2015	17/08/2015	C
SUB-13-00006-QBW-624B	Precast concrete manholes for underground electrical works	19/08/2015	26/08/2015	C
SUB-13-00006-QBW-624C	Precast concrete manholes for underground electrical works	26/08/2015	27/08/2015	B
SUB-13-00006-QBW-625A	Sample of Granite for Kitchen sink	10/08/2015	17/08/2015	B
SUB-13-00006-QBW-626A	Test report for ceramic tiles M/1508/37a for floors	10/08/2015	11/08/2015	A
SUB-13-00006-QBW-627A	Test report on concrete compressive strength for plastering mortar of the chlorination building -(07day result)Ref: M/1507/266	11/08/2015	11/08/2015	A
SUB-13-00006-QBW-628A	Qabatiya PLC-based control system hardware-main PLC enclosure	11/08/2015	17/08/2015	B
SUB-13-00006-QBW-629A	test report on fine aggregate for bedding -Ref: M/1508/156	12/08/2015	13/08/2015	C
SUB-13-00006-QBW-629B	test report on fine aggregate for bedding -Ref: M/1508/156	16/08/2015	17/08/2015	B
SUB-13-00006-QBW-630A	Tubing &fitting for chlorination system	13/08/2015	19/08/2015	C
SUB-13-00006-QBW-631A	Electrical panel boards	13/08/2015	20/08/2015	C
SUB-13-00006-QBW-632A	Test report on concrete compressive strength for the parapet walls of chlorination building -(28 day result)Ref: M/1507/188a	13/08/2015	17/08/2015	A
SUB-13-00006-QBW-633A	Digital process indicators	13/08/2015	19/08/2015	B
SUB-13-00006-QBW-634A	Conductance probe level switch	16/08/2015	20/08/2015	B
SUB-13-00006-QBW-635A	Fabrication workshop-layout and agreement	16/08/2015	17/08/2015	C
SUB-13-00006-QBW-635B	Fabrication workshop-layout and agreement	23/08/2015	26/08/2015	C
SUB-13-00006-QBW-635C	Fabrication workshop-layout and agreement	30/08/2015		
SUB-13-00006-QBW-636A	process control &Instrumentation system (PCIS)-pre-submittal conference -Day2	16/08/2015	20/08/2015	A
SUB-13-00006-QBW-637A	CPVC Pressure pipe & fittings	17/08/2015	26/08/2015	D
SUB-13-00006-QBW-638A	Plastic ball check valves	17/08/2015	26/08/2015	C
SUB-13-00006-QBW-638B	Plastic ball check valves	27/08/2015		
SUB-13-00006-QBW-639A	CPVC plastic ball valves	17/08/2015	Retracted 24/8/2015	
SUB-13-00006-QBW-639A	CPVC plastic ball valves	24/08/2015	26/08/2015	C
SUB-13-00006-QBW-639B	CPVC plastic ball valves	27/08/2015		
SUB-13-00006-QBW-640A	Fill station strainer	17/08/2015	20/08/2015	D
SUB-13-00006-QBW-641A	Adjustable pressure switch	18/08/2015	27/08/2015	B
SUB-13-00006-QBW-642A	Toilet Accessories	18/08/2015	26/08/2015	B

USAID/West Bank-Gaza-AID-296-TO-13-00006
Qabatiya Well Pump Station Conveyance Pipeline
Submittal Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-643A	Vertical turbine pump design calculations	18/08/2015	26/08/2015	C
SUB-13-00006-QBW-644A	Preliminary operation & maintenance manual outline for Qabatiya well pump station	18/08/2015		
SUB-13-00006-QBW-645A	Sewage & electrical manholes covers (Al-Waleed co) for source approval	19/08/2015	20/08/2015	C
SUB-13-00006-QBW-645B	Sewage & electrical manholes covers (Al-Waleed co) for source approval	25/08/2015	27/08/2015	B
SUB-13-00006-QBW-646A	Test report on sand for plastering works -Ref:M/1508/181	19/08/2015	19/08/2015	A
SUB-13-00006-QBW-647A	Sample for-PVC-U long radius duct bank - ϕ 110, t=5.3mm, PN12.5 (Plassim)	23/08/2015	27/08/2015	A
SUB-13-00006-QBW-648A	Volume 2 of 2 :preliminary O&M manual for Qabatiya conveyance system(section A to O)	23/08/2015	30/08/2015	B
SUB-13-00006-QBW-649A	Low voltage wire and cable -Alternative	24/08/2015		
SUB-13-00006-QBW-650A	Medium voltage cable -Alternative	24/08/2015		
SUB-13-00006-QBW-651A	Test report on concrete compressive strength for the external walls of chlorination building -(28 day result)Ref: M/1507/62a	24/08/2015	26/08/2015	A
SUB-13-00006-QBW-652A	Test report on concrete compressive strength for the elevated slab of chlorination building -(28 day result)Ref: M/1507/135a	24/08/2015	26/08/2015	A
SUB-13-00006-QBW-653A	Prominent Injector	26/08/2015		
SUB-13-00006-QBW-654A	Polyethylene Tanks for chlorination system	26/08/2015		
SUB-13-00006-QBW-655A	Architectural shop drawing for kitchen cabinet	27/08/2015		
SUB-13-00006-QBW-656A	Kitchen capinet door	27/08/2015		
SUB-13-00006-QBW-657A	Heat load calculation for electrical room in the electrical and control building	27/08/2015	Retracted 30/8/2015	
SUB-13-00006-QBW-657A	Heat load calculation for electrical room in the electrical and control building	30/08/2015		
SUB-13-00006-QBW-658A	Basket strainer	30/08/2015		
SUB-13-00006-QBW-659A	Mechanical shop drawings for scupper drain at electrical and control building	30/08/2015		
SUB-13-00006-QBW-660A	An Overview of the proposed training instrumentation system and instructor's CV's	30/08/2015		
SUB-13-00006-QBW-661A	Shower tray square (800X800X110)-alternative	30/08/2015		
SUB-13-00006-QBW-662A	Sample of kitchen sink	30/08/2015		
SUB-13-00006-QBW-663A	Structural design of anchorage of transformer	30/08/2015		
SUB-13-00006-QBW-664A	Test report on reinforcing Bars (field Sampling on 27 August 2015)-Ref:M/1508/402	31/08/2015		
SUB-13-00006-QBW-665A	Door/window intrusion switches_Alternative	31/08/2015		
SUB-13-00006-QBW-666A	Concrete mix design (zakarneh ready mix plant)-report Ref.No:M/1507/201a_28 day result	31/08/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Invoices Log

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Request for Information log

USAID Contract No.: AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station And Conveyance System

Request For Information Log

RFI No.	Description	submitted Date to CMC	Date Returned from CMC	Days to complet
RFI-00006-QBW-108	Replecament of roof insulation material as per CMC response to RFI-92	06/08/2015	09/08/2015	3
RFI-00006-QBW-109	Buried ground rod installation	23/08/2015	27/08/2015	4

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Geo MIS logs

**USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. :AID-294-I-00-12-00001**

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station and Conveyance System

Temporay Job Days Summary Report

Task Order Name: To-13-00006

PERIOD FROM: 5/14/2013

Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System

PERIOD TO: 8/31/2015

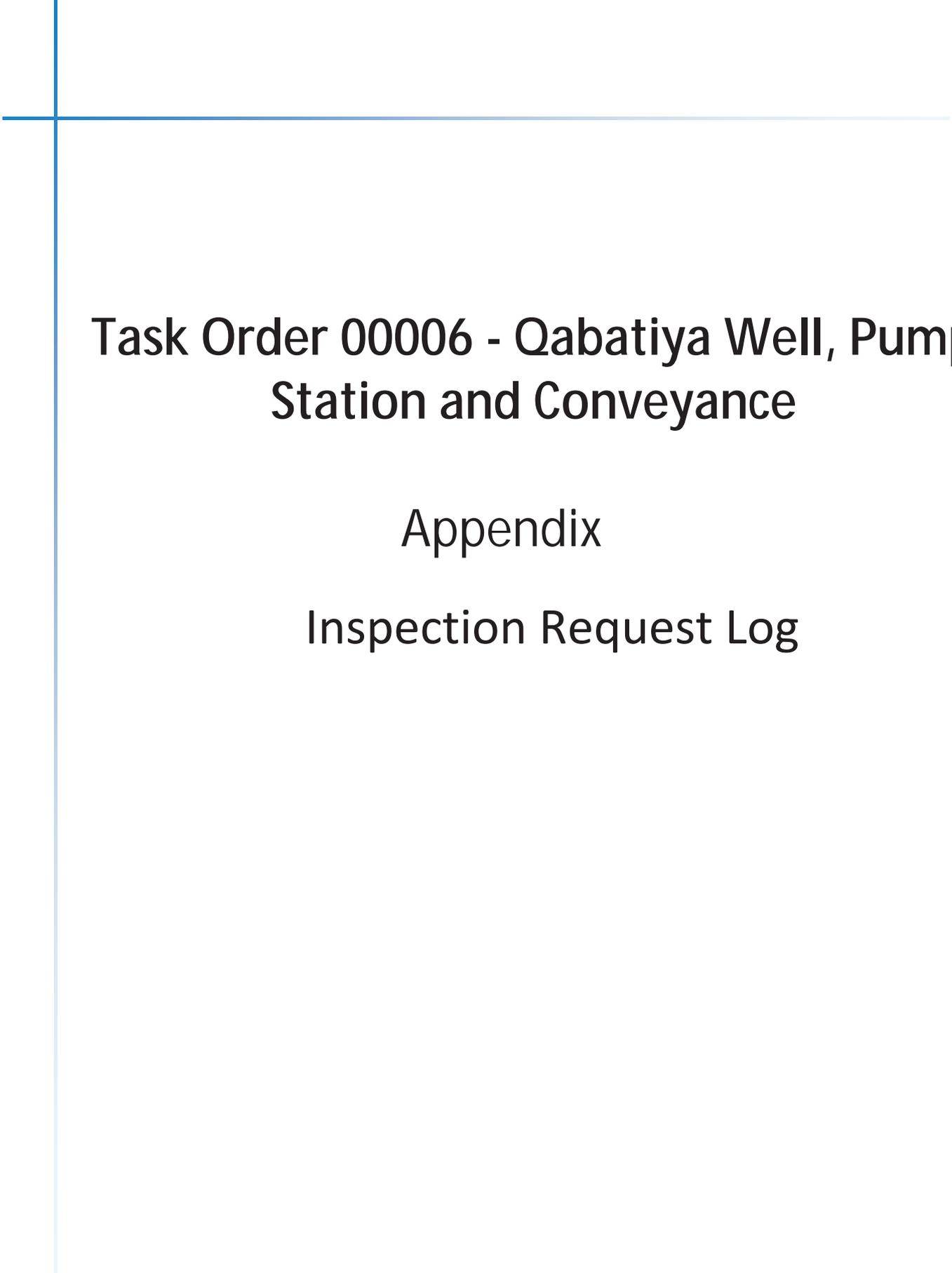
CONTRACTOR: CDM Smith

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
May	2013	86.88	44.13	0.00	0.00	2.50	133.50	6	
June	2013	125.25	50.88	3.63	0.00	0.00	179.75	8	
July	2013	114.75	44.00	79.25	46.00	16.63	300.63	13	
August	2013	93.38	72.63	0.00	22.00	0.00	188.00	8	
September	2013	127.13	179.00	72.38	32.13	3.75	414.38	17	
Total of FY 2013							1216.25	51	
October	2013	124.63	179.13	88.63	39.13	8.13	439.63	18	
November	2013	101.25	172.63	49.13	36.50	0.00	359.50	15	
December	2013	109.00	164.38	139.25	67.13	0.00	479.75	20	
January	2014	105.13	174.25	205.00	166.88	7.88	659.13	28	
February	2014	102.63	190.00	193.00	211.63	42.13	739.38	31	
March	2014	114.00	207.25	129.50	122.38	21.13	594.25	25	
April	2014	115.50	233.13	78.38	79.13	0.00	506.13	21	
May	2014	105.63	173.38	213.88	112.88	0.00	605.75	25	
June	2014	107.00	150.38	151.13	117.50	6.00	532.00	22	
July	2014	81.50	65.00	16.75	114.88	0.50	278.63	12	
August	2014	112.25	101.50	131.25	216.63	4.13	565.75	24	
September	2014	107.13	78.63	207.88	93.75	4.13	491.50	21	
Total of FY 2014							6251.38	263	
October	2014	84.38	60.50	186.13	185.13	0.00	516.13	21.69	
November	2014	109.63	59.25	195.13	183.50	9.38	556.88	23.40	
December	2014	127.63	52.88	195.38	122.50	3.38	501.75	21.08	
January	2015	94.88	95.13	145.50	67.25	4.13	406.88	17.10	
February	2015	88.38	117.25	40.75	43.50	0.00	289.88	12.18	
March	2015	89.50	159.50	31.38	87.63	9.50	377.50	15.86	
April	2015	92.50	152.00	36.13	70.63	13.75	365.00	15.34	
May	2015	95.50	146.63	62.88	76.25	11.00	392.25	16.48	
June	2015	93.13	146.75	79.00	61.63	21.88	402.38	16.91	
July	2015	81.13	95.88	120.50	79.88	20.38	397.75	16.71	
August	2015	101.88	161.75	136.88	116.75	28.75	546.00	22.94	
Total of FY 2015							4752.38	199.68	

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.

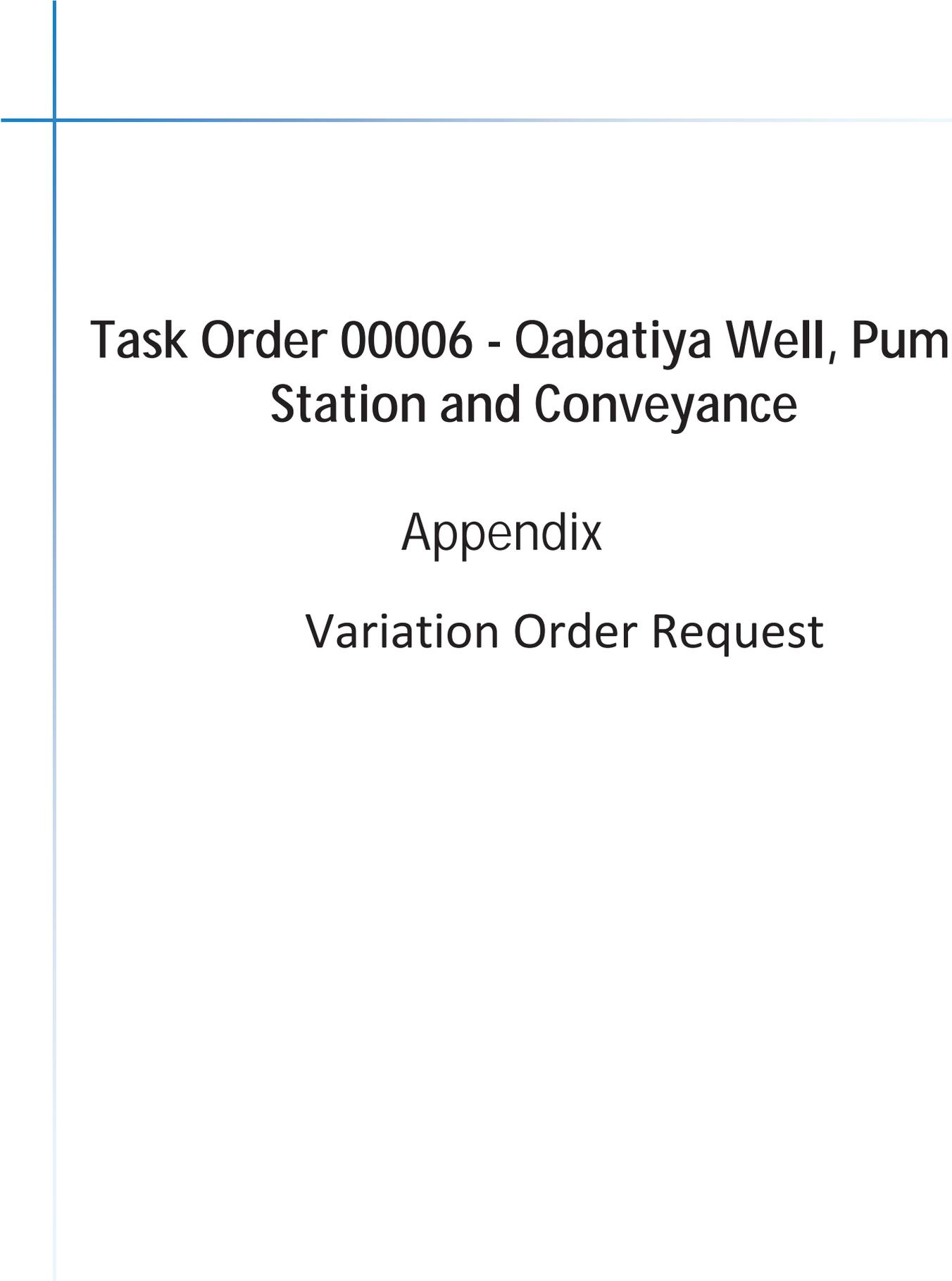


Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Inspection Request Log

USAID Contract No.: AID-294-I-00-12-00001				
TASK ORDER NO. : AID-294-TO-13-00006				
Qabatiya Well Pump Station And Conveyance System				
Inspection Request				
IR No.	Description	submitted Date to CMC	Inspection Date	Degree
IR-13-00006-QBW-012B	Based on the approval of the Qabatiya well Site Excavation plan & quantities	19/08/2015	Retracted 20/8/ 2015	
IR-1300006-QBW-282B	Inspection of monthly enviromental check list for april 2016	02/08/2015	04/08/2015	A
IR-1300006-QBW-295B	Inspection for the delivery of micellaneous valve ,flanges and other mechanical parts as illustrated in the attached MMR#009	30/08/2015	30/08/2015	C
IR-1300006-QBW-324A	Inspection for applying damp proofing material (NitoProof 30) at a height of 105 cm at the eastern compartment of the balance tank	02/08/2015	02/08/2015	A
IR-1300006-QBW-325A	Inspection for 10" steel pipeline route (buried) as per the attached drawing	02/08/2015	Retracted 2/8/2015	
IR-1300006-QBW-325A	Inspection for 10" steel pipeline route (buried) as per the attached drawing	02/08/2015	03/08/2015	A
IR-1300006-QBW-326A	Inspection for applying damp proofing material (NitoProof 30) at a height of 105 cm at the eastern compartment of the balance tank.	02/08/2015	02/08/2015	A
IR-1300006-QBW-327A	inspection of delivered steel pipes with deferent diameters and heat shrinkable as per the attached MRR-012	02/08/2015	03/08/2015	C
IR-1300006-QBW-327B	inspection of delivered steel pipes with deferent diameters and heat shrinkable as per the attached MRR-013	05/08/2015	05/08/2015	A
IR-1300006-QBW-328A	Inspection for the monthly enviromental check list for May 2015	02/08/2015	04/08/2015	A
IR-1300006-QBW-329A	Inspection for the monthly enviromental check list for June 2015	02/08/2015	04/08/2015	A
IR-1300006-QBW-330A	Inspection of concrete surface preparations for the external surfaces of chlorination walls prior to starting plastering works	03/08/2015	04/08/2015	A
IR-1300006-QBW-331A	Inspection of first external (guide level)plastering coat at chlorination building	06/08/2015	09/08/2015	A
IR-1300006-QBW-332A	Inspection of second coat for exterior and interior plastering at living quarter building (second coat)	06/08/2015	09/08/2015	C
IR-1300006-QBW-332B	Inspection of second coat for exterior and interior plastering at living quarter building (second coat)	19/08/2015	20/08/2015	A
IR-1300006-QBW-333A	Inspection of brown coat of plastering for the ceiling of chlorination building	06/08/2015	06/08/2015	A
IR-1300006-QBW-334A	Inspection of delivered steel mechanical fittings (Tee's,elbow,reducers)as shown in the attached MRR-013	09/08/2015	09/08/2015	A
IR-1300006-QBW-335A	inspection of floor level for chlorination building's floor prior to applying screed concrete	10/08/2015	11/08/2015	A
IR-1300006-QBW-336A	inspection of deliverd window sills stone as illustrated in the attached MRR-014	11/08/2015	12/08/2015	A
IR-1300006-QBW-337A	Inspection of deliverd galvanized steel door frames as illustrated in the attached MRR-015	12/08/2015	13/08/2015	A
IR-1300006-QBW-338A	Inspection of installation of galvanized steel door frames of the living quarterprior to aplying cement mortar	13/08/2015	16/08/2015	A
IR-1300006-QBW-339A	Inspection of brown coat of plastering prior to applying the finish coat for the external surfaces of chlorination building	16/08/2015	16/08/2015	A
IR-1300006-QBW-340A	Inspection of leakage test and prussure test for the installed 10" steel pipelines at the yard piping of the well site as per the attached drawing	16/08/2015	17/08/2015	A
IR-1300006-QBW-341A	Inspection of Stake out coordinates for electrical & control building	17/08/2015	18/08/2015	A
IR-1300006-QBW-342A	Inspection of Window sills for the living quarter.	17/08/2015	18/08/2015	A
IR-1300006-QBW-343A	Inspection of Brown coat of plastering for the internal surfaces of the living quarter (excluding the entrance and the WC) prior to applying the finish coat as per the attached drawing	17/08/2015	18/08/2015	A
IR-1300006-QBW-344A	Inspection of the brown coat of plastering for external surfaces of the living quarter prior to applying the finish coat as per attached drawing	17/08/2015	18/08/2015	A
IR-1300006-QBW-345A	Inspection of stake out coordinates for electrical metering building	18/08/2015	19/08/2015	A
IR-1300006-QBW-346A	Inspection for delivered steel flanges as shown in the attached MRR-016	18/08/2015	19/08/2015	A
IR-1300006-QBW-347A	Inspection for delivered steel mechanical fitting as shown in the attached MRR-017	19/08/2015	20/08/2015	A
IR-1300006-QBW-348A	Inspection for the delivered ceramic tiles for the chlorination building as shown in the attached MRR-018	20/08/2015	20/08/2015	C
IR-1300006-QBW-349A	Inspection for the delivered ceramic tiles for the living quarter as shown in the attached MRR-019	20/08/2015	20/08/2015	A
IR-1300006-QBW-350A	Inspection of floor level for living quarters bathroom prior to applying screed concrete	20/08/2015	23/08/2015	A
IR-1300006-QBW-351A	Inspection of excavation level of the foundation of electrical and control building	24/08/2015	24/08/2015	C
IR-1300006-QBW-351B	Inspection of excavation level of the foundation of electrical and control building	27/08/2015	30/08/2015	A
IR-1300006-QBW-352A	Inspection of excavation level of the foundation of electrical metering building	24/08/2015	24/08/2015	C
IR-1300006-QBW-352B	Inspection of excavation level of the foundation of electrical metering building	27/08/2015	30/08/2015	A
IR-1300006-QBW-353A	Inspection of: internal ladder inside the eastern compartment of the balance tank, external ladder of the balance tank ,handrail of the balance tank.	27/08/2015	30/08/2015	C
IR-1300006-QBW-353B	Inspection of: internal ladder inside the eastern compartment of the balance tank, external ladder of the balance tank ,handrail of the balance tank.	27/08/2015	30/08/2015	A
IR-1300006-QBW-354A	inspection of concrete surface preparations inside the eastern compartment of the balance tank prior to applying epoxy paint for walls and floor	27/08/2015	30/08/2015	C
IR-1300006-QBW-355A	Inspection of water level and leakage test procedure for the western compartment of the balance tank	27/08/2015	30/08/2015	A
IR-1300006-QBW-356A	Inspection for the delivered materials to be used for under ground electrical works as shown in the attached MRR-020	27/08/2015	30/08/2015	A
IR-1300006-QBW-357A	Inspection of formwork and steel reinforcement of existing steel pipe (booster outlet)prior concrete casting	27/08/2015	30/08/2015	A
IR-1300006-QBW-358A	Inspection of steel reinforcement for the electrical precast manholes at the palestine concrete product Co(PCPC)located in Nablus city	30/08/2015	01/09/2015	D
IR-1300006-QBW-359A	Inspection of delivered steel mechanical fittings(reducers and elbows)as shown in the attached MRR-021	31/08/2015	31/08/2015	A
IR-1300006-QBW-360A	Inspection of fabrication workshop in means of safety measurements and lighting prior to starting fabrication and welding works(as shown in the attached drawing)	31/08/2015	31/08/2015	A



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Variation Order Request

USAID Contract No.: AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well, Pump Station and Conveyance System

Variation Order Request Log

VOR NO.	Description	submitted Date to CMC	Date Returned from CMC
VOR-00006-QBW-018A	Furnish and install Wall tile and base materials inside the disinfection room, where applicable	30/08/2015	

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix Equipment List

USAID Contract No.: AID-294-I-00-12-00001			
Task Order No.: AID-294-TO-13-00006			
Qabatiaya Well Pump Station And Conveyqance System			
Equipment List-August 2015			
Backhoe/Idle	08/01/2015 to 08/04/2015	JCB	2011
Backhoe	05/08/2015	JCB	2011
Backhoe	06/08/2015	JCB	2011
Backhoe/Idle	07/08/2015	JCB	2011
Backhoe	08/08/2015	JCB	2011
Backhoe	09/08/2015	JCB	2011
Backhoe	10/08/2015	JCB	2011
Backhoe	11/08/2015	JCB	2011
Backhoe	12/08/2015	JCB	2011
Backhoe	13/08/2015	JCB	2011
Backhoe/Idle	14/08/2015	JCB	2011
Backhoe	15/08/2015	JCB	2011
Backhoe	16/08/2015	JCB	2011
Backhoe	17/08/2015	JCB	2011
Backhoe	18/08/2015	JCB	2011
Backhoe	19/08/2015	JCB	2011
Backhoe	20/08/2015	JCB	2011
Backhoe/Idle	21/08/2015	JCB	2011
Backhoe/Idle	22/08/2015	JCB	2011
Backhoe	23/08/2015	JCB	2011
Backhoe	24/08/2015	JCB	2011
Backhoe	25/08/2015	JCB	2011
Backhoe	26/08/2015	JCB	2011
Backhoe/Idle	8/27/2015 to 8/29/2015	JCB	2011
Backhoe	30/08/2015	JCB	2011
Backhoe	31/08/2015	JCB	2011
Roller/Idle	08/04/2015 to 08/06/2015	BOMAG	
Bobcat/Idle	08/04/2015 to 08/06/2015	CAT	2013
Roller/Idle	08/08/2015	BOMAG	
Bobcat/Idle	08/08/2015	CAT	2013
Bobcat	09/08/2015	CAT	2013
Roller/Idle	08/09/2015 to 08/31/2015	BOMAG	
Bobcat/Idle	08/10/2015 to 08/31/2015	CAT	2013
Winch	02/08/2015	DAF	1996
Winch	08/08/2015	DAF	1996
Winch	09/08/2015	DAF	1996
Winch	10/08/2015	DAF	1996
Winch	11/08/2015	DAF	1996
Winch/Idle	12/08/2015	DAF	1996
Winch	13/08/2015	DAF	1996
Winch	14/08/2015	DAF	1996
Winch	15/08/2015	DAF	1996
Winch	16/08/2015	DAF	1996
Winch/Idle	17/08/2015	DAF	1996
Winch/Idle	18/08/2015	DAF	1996
Winch/Idle	19/08/2015	DAF	1996
Winch/Idle	20/08/2015	DAF	1996
Winch	22/08/2015	DAF	1996
Winch	23/08/2015	DAF	1996
Winch/Idle	24/08/2015	DAF	1996
Winch/Idle	25/08/2015	DAF	1996
Winch/Idle	8/26/2015 to 8/31/2015	DAF	1997
Welding Machine	23/08/2015		
Welding Machine/Idle	24/08/2015		
Truck	19/08/2015	Volvo	2001
Truck	20/08/2015	Volvo	2001
Truck	25/08/2015	Volvo	2001
Truck	26/08/2015	Volvo	2001
Concrete Vibrator	29/08/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

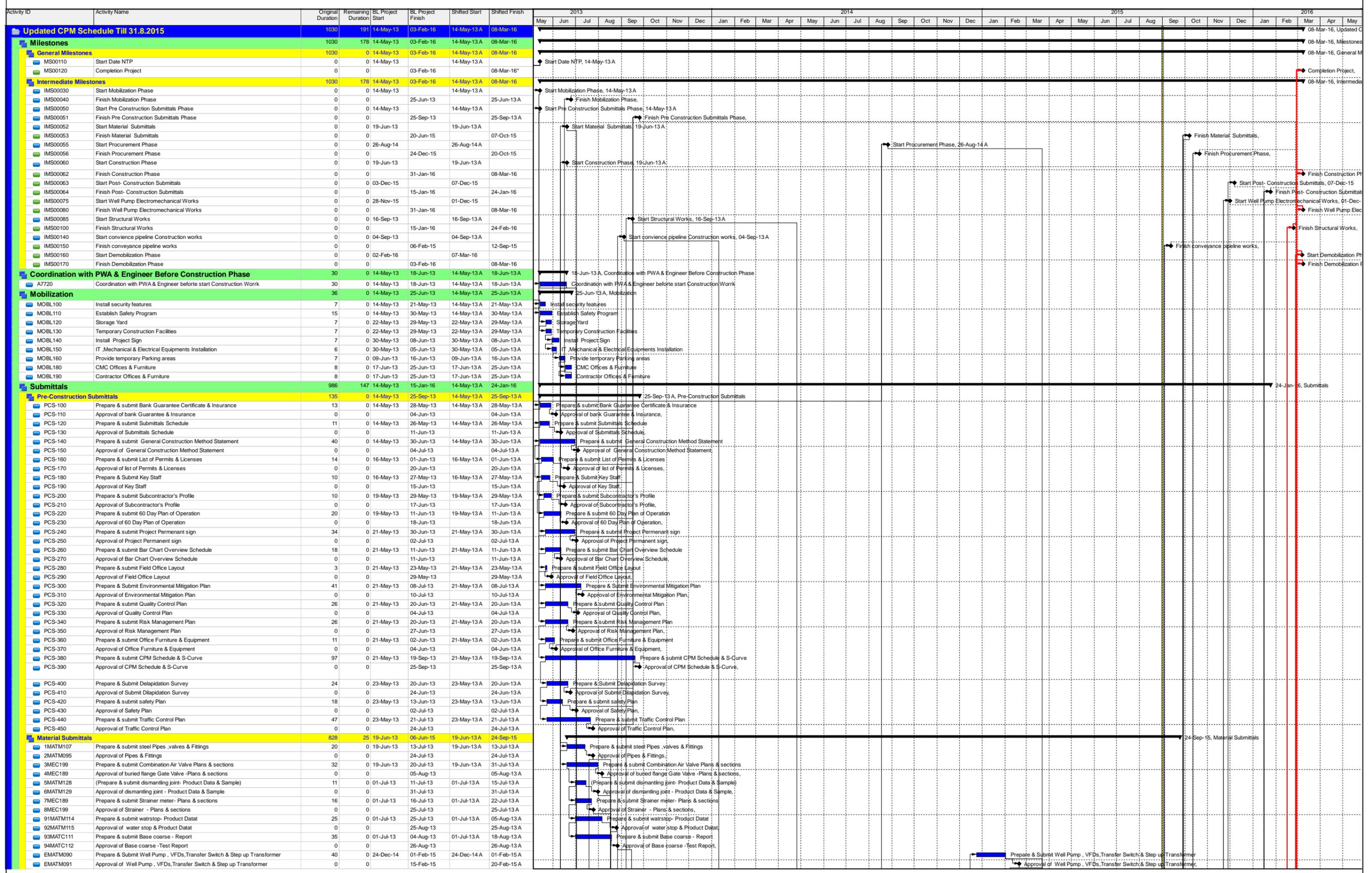
Risks and Mitigation Measures

**Task Order 00006 - Qabatiya Well,
Pump Station and Conveyance**

Appendix

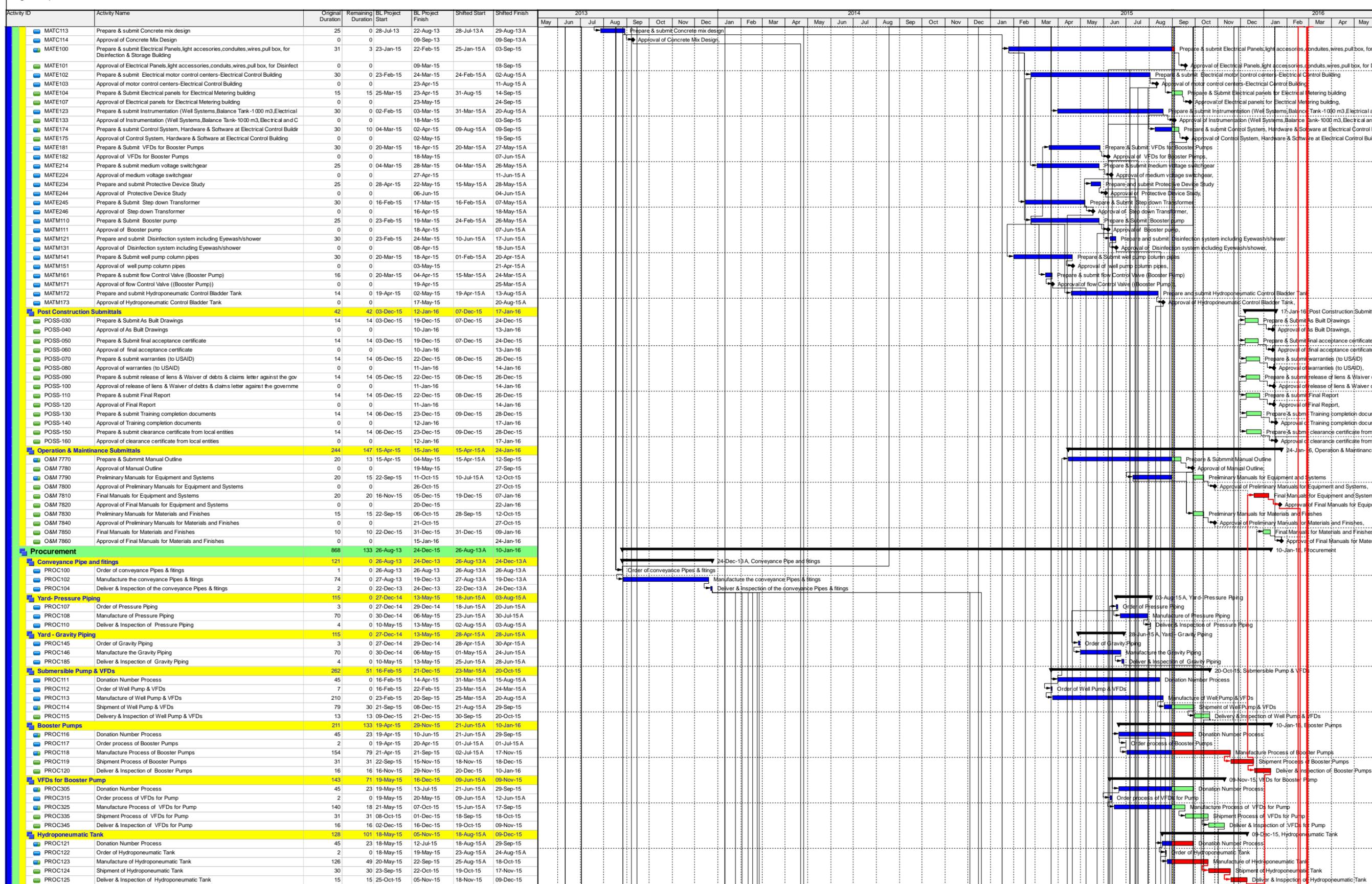
updated Schedule

August Updated Schedule



█ Actual Level of Effort █ Remaining Work ◆ Milestone
█ Actual Work █ Critical Remaining Work ▶ summary

August Updated Schedule



█ Actual Level of Effort
 █ Remaining Work
 █ Critical Remaining Work
 ◆ Milestone
 ◆ summary

