



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

Monthly Progress Report # 29

For the Month of October 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.29 covers activities accomplished during the month of October 2015 and previews activities anticipated during the next month, November 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	<u>Planned Start</u> Actual Start	<u>Planned Finish</u> 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	83%	<u>14 May 2013</u> 14 May 2013	<u>15 January 2016</u> TBD
Procurement and Delivery	65%	<u>26 August 2013</u> 26 August 2013	<u>24 December 2015</u> TBD
Construction Phase	17.37%	<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
Original Contract Value:	\$ 7,708,760.00
Project Modified Duration:	996 Days
Project Modified Completion Date:	03 February 2016
BOQ Item Modified Amount:	\$ 10,659,519.27
Day Work Modified Amount:	\$50,475.73

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-ninth 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 submitted invoice No. 9 and is currently preparing invoice # 10. The following table is a summary of the current invoice status.

New BOQ Amount	\$10,659,519.27
New Day Works	\$50,475.73
Amount Obligated	\$10,709,995.00
Variation Orders/ Modification Amount	\$3,800,759.27
Task Order Amount (BOQ +DW)	\$10,709,995.00
Most Recent Invoice	\$136,404.36
Invoiced to Date	\$1,852,116.35



2.3. Staff Information

At the end of this reporting period, 31ST October 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 metal works of the BT are ongoing (installation and fixing of both mud and debris gates are ongoing). Installation of 10” overflow stainless steel elbows and funnels inside the balance tank’s eastern compartment is completed). Finishing works for the



living quarter and chlorination building are ongoing. Casting concrete for the slab on grade and trenches of both electrical & control and electrical metering buildings is completed. The walls of the electrical control building were casted. The installation of the pre-cast electrical manholes and the electrical duct banks are ongoing. Yard piping is ongoing (welding and laying down of the booster pump discharge header is partially completed). Upgrading of both Aqqaba and Raba existing chambers is ongoing. Installation of two 8" – PN16 flap valves along the conveyance system is completed.

Some environmental activities were done such as removal of excess materials resulting from the trench excavations in the yard and from the concrete casting to the approved dumping site in addition to the pumping out the septic tank of the temporary WC used by PWA staff at site and disposal of the sewer to approved site.

Moreover, on Oct. 21ST, 2015 the Padmount Transformer was delivered to Qabatiya Well Site and kept in the storage yard hired by CDM Smith.

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:
 - Mechanical shop drawing for washout drain pipes to Wadi adjacent to QBW pump station;
 - Updated Risk Management Plan for September 2015;
 - Monthly updates for environmental monitoring and mitigation plan for September 2015;
 - Factory Test Reports for VFD's of the Booster Pumps;
 - Structural detail of Rig Pad;
 - Monthly QA/QC and Safety Plans Updates for September 2015;
 - Preliminary O&M Manual for Booster Pump & Electric Motors;
 - Test report on concrete compressive strength for foundation of electrical metering building – (07-day result). Report Ref. M/1509/ 348;
 - Test report on concrete compressive strength for electrical duct bank – (28-day result). Report Ref. M/1509/128a;
 - Test report on concrete compressive strength for foundation of remaining segment of eastern RW – (28-day result). Report Ref. M/1509/ 127a;
 - Mechanical shop drawing for outside emergency eyewash piping;
 - Test report on concrete compressive strength for remaining part of eastern retaining wall– (07-day result). Report Ref. M/1509/ 348a;
 - Shop drawing for electro-mechanical installation of the eyewash inside the disinfection building – resubmittal and retracted on Oct. 14, 2015;
 - Test Report on Reinforcing Bars (field sampling on Oct 5, 2015) - Ref: M/1510/43 & M/1510/41b;
 - Curbs of Mud Gate - resubmittal;
 - Electrical panel boards - resubmittal;
 - Spare Parts List – Booster Pumps' VFD (SIEMENS);



- Lightning protection system - resubmittal;
- Preliminary O&M Manual for Step-Down Transformer;
- Site Layout - Modified Elevations for QBW buildings - resubmittal;
- Sample of Window Louvers for the Chlorination Building - resubmittal;
- Amerlock 400C - Alternative Protective Coating for Internal Walls of Balance Tank - resubmittal;
- Mechanical shop drawing for blow off pit piping - resubmittal;
- Mill Certificate for Ni-Al-Bronze castings (Bowls, wearing rings, suction bell) of the Booster Pumps;
- Revised Baseline Schedule;
- AKFIX C900 Chemical Anchorage Grout;
- Sample of Electrical Earth Pit;
- Padmount Transformer Factory Test;
- 2" Control Valve Test Reports - Bermad;
- Training Outline for the submersible deep well pump and Trainer's CV;
- Test report on concrete compressive strength for foundation of electrical control building - (28-day result) - Ref: M/1509/178a;
- Morex, Inc. Local Representative and Trainer for Qabatiya Project;
- Test Reports for US Motors of the Booster Pumps;
- Cable Ladder and Wall angle Brackets – Alternative (submittal and resubmittal);
- Structural Shop Drawing For Balance Tank Sump Pit Grating (submittal and resubmittal);
- Outside Emergency Eyewash;
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 5, 2015 at Al-Addasi Factory – Ref M/1510/77;
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 6, 2015 at Al-Addasi Factory – Ref M/1510/84;
- Test report on concrete compressive strength for trench walls and slab-on-grade of electrical control building – (07-day result). Report Ref. M/1510/175);
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 10, 2015 at Al-Addasi Factory – Ref M/1510/173;
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 12, 2015 at Al-Addasi Factory – Ref M/1510/294;
- Load test Report for Manhole Cover – Al Waleed Factory /Hebron. Report No.BM/PTIC/15024;
- Product and Manufacturer Data of Reinforcement steel for source approval submitted on Oct. 25, 2015 and retracted on Oct. 26, 2015;
- 8" and 6" Control Valve Test Reports - Bermad;
- Shop Drawing for AC Manholes and Drain System;
- Shop Drawing for AC Manhole Covers - Embossed Lettering;
- Kitchen Cabinet Door - resubmittal;
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 15, 2015 at Al-Addasi Factory – Ref M/1510/385;
- Test report on concrete compressive strength for precast electrical manholes – (07-day result) casted on Oct. 18, 2015 at Al-Addasi Factory – Ref M/1510/386;
- Electrical Shop Drawing for submersible well and Booster Pumps – Electrical Plans;
- Test report on concrete compressive strength for remaining part of eastern retaining wall– (28-day result). Report Ref. M/1509/ 348b;



- Test report on concrete compressive strength for underground electrical duct banks – (07-day result). Report Ref. M/1510/343);
- Test report on concrete compressive strength for trench walls & S.O.G. of electrical metering building – (07-day result). Report Ref. M/1510/344);
- Stainless Steel Welder Performance Qualification – Ayed Elnatsha;
- Gate Valve Testing Reports (PN 16, PN40 of DN300, DN250, DN200, DN150, DN100 & DN50) and one PN40 DN150 Dismantling Joint;
- Test Report on Reinforcing Bars (field sampling on Oct. 26, 2015) - Ref: M/1510/451;
- Booster Pumps’ Bowl Performance Test Results;
- Test Reports for 2”, 1”, ½” – PN40 & PN16 ARV’s and one 8” PN16 Check Valve;
- Seismic Design of Anchorage and Support for the Vertical Deep Well Submersible Pump;
- Shop Drawing of Structural Details for Well & Metering Pads.

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 12.104.13

The total cumulative generated Man-Days current period 606.38

The total cumulative generated Man-Days up to date are 12.710.51

Female employment generated previously 601.125

Female employment generated current period 26

Female employment generated up to date is 627.125

The total cumulative previously 12.705.26

The total cumulative current period 632.38

The total cumulative up to date is 13337.64

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

- A CO meeting was held on October 28, 2015 during this reporting period.

3.4. Meetings and Correspondence with CMC and Subcontractors

- Thursday – October 01, 2015 – Bi-weekly meeting #40 was held at Engineer's primary field office between, BV and CDM Smith.
- Tuesday – October 13, 2015 – Technical coordination meeting with BV in the presence of ABC to discuss the revised quantities of the project.
- Monday – October 19, 2015 – Technical coordination meeting with ABC to discuss the work progress at the well site and the conveyance system.
- Thursday – October 22, 2015: A joint walk thorough along the conveyance system (BV, CDM Smith and ABC) was conducted in order to prepare a punch list of the remaining uncompleted items thereof. The punch list was issued by BV to CDM Smith on Oct. 28TH.2015 through a site memorandum SM-13-00006-QBW-015.
- Thursday – October 22, 2015 – Bi-weekly meeting # 41 was held at Engineer's Primary Field Office.
- Sunday – October 25, 2015 – A technical coordination meeting was held with ABC to discuss the current status of work progress at Qabatiya Project.
- Monday – October 26, 2015 – Technical coordination meeting with BV in the presence of ABC to discuss the work progress at the conveyance system.
- . Monday – October 26, 2015 – Joint technical coordination meeting with Qabatiya Municipality in the presence of BV, PWA/WBWD, and CDM Smith to discuss the power supply proposed for the well site.

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 were issued for all long lead items and equipment; control system (hardware & software), motor control center, medium voltage Switch gear, column pipes and access monitoring PVC pipes, padmount transformer, hydro-pneumatic surge tank, VFDs for booster pumps, vertical turbine booster pumps, vertical turbine deep well submersible pump and disinfection system including eyewash/shower.

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 October 25, 2015 - CDM Smith's QC/QA Manager and BV's representative jointly witnessed the factory testing at Bermad factory (located in Nahariya City) for control valves.

Moreover, the CDM Smith's QC/QA Manager coordinated with Building Center Lab (Located in Hebron City) to perform the load test for one sample of Al-Waleed manhole covers (October, 17, 2015).

A joint visit (BV & ABC) was coordinated to Al-Addasi Factory (Ramallah) on Oct. 3, 2015 to inspect the steel reinforcement for precast electrical manholes.

During this reporting period; CDM Smith's QC/QA Manager coordinated a site visit by HC lab technician to:

- Collect samples of steel reinforcing bars ($\Phi 12$ & $\Phi 16$) and concrete cubes at Al-Addasi Factory for one precast electrical manhole (MPH-2) as per project's contract documents (October 05, 2015). Moreover the HCL technical collected steel reinforcing samples for the Qabatiya Well Site to perform the required tests.
- Attend the concrete casting and collect samples of concrete cubes for two precast electrical manholes – MHP-01 & MPH-03 (October 06, 2015);
- Attend the concrete casting and collect samples of concrete cubes for two precast electrical manholes – MHP-03 & MPH-04 (October 10, 2015).
- Attend the concrete casting for the trench walls and SOG of electrical and control building and collect the required concrete cubes to perform the required concrete tests as per projects specifications (Oct. 11, 2015);
- Attend the concrete casting and collect samples of concrete cubes for two precast electrical manholes – MHP-01 & MPH-06 (October 12, 2015);
- Attend the concrete casting and collect samples of concrete cubes for one precast electrical manhole – MPH-05 (October 15, 2015);
- Attend the concrete casting and collect samples of concrete cubes for one precast electrical manholes – MHP-02 (October 18, 2015);
- Attend the concrete casting for electrical duct banks, trench walls and SOG of electrical metering building and collected the concrete cubes to perform the required concrete tests as per projects specifications (October 19, 2015);
- Attend the concrete casting for the walls of the electrical and control building in addition to the electrical duct banks and electric pole and collected the concrete cubes to perform the required concrete tests as per projects specifications (Oct. 26, 2015);
- Collect samples of reinforcing bars ($\Phi 16$) – Oct. 26, 2015.

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 October 07, 2015 in order to work safely in confined space (Balancing Tank) and the procedure of entry, exit, emergency cases, evacuation procedure, and the important of use the safety tools during the works.

CDM smith’s safety Engineer conducted Toolbox meeting in October 19, 2015 CDM confirmed to the labors the important of wearing the PPE and How to do in emergency cases and the location of contact emergency numbers .Also he inspected the safety tools that required for works inside the balancing tank and make sure that the labors and the supervisor can use these tools correctly.

CDM smith’s safety Engineer conducted Toolbox meeting in October 29, 2015 confirmed to the labors the important of continuous housekeeping on daily bases inside and outside the buildings at QWPS.

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

Use of proper Tools = Protection from serious injury

Lesson learned 2

Lack of housekeeping = Painful injuries.

Lesson learned 3

Updating the labors with safety regulations = will reduce a/o prevent 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 for training and updating the 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. Environmental

The Area surrounded by Qabatiya well is classified as agricultural; it has been planted by local farmer with seasonal vegetations. However , the pipeline was implemented along the shoulder of the high way that was constructed by the USAID few years ago. The main objective of the project is to alleviate pressing shortages in water supply services in the towns of Qabatiya & Al-Zababdeh in addition to parts of Jenin City by supporting strategic investments in water Well, balancing tank, booster pumps and conveyance system. No major negative environmental impacts are envisaged since the project was invested in activities that support rehabilitation and improvements of infrastructure and service delivery. No land acquisition is required and the works constructing through the public right of way. The Potential negative impacts that were localized and limited in nature had been avoided by providing instructions in the contract documents that specifically address environmental issues in a manner acceptable by the contractor and the CMC, as well as following Good Management Practices during construction. More attention will be given to the use and disposal of hazardous chemical materials used in the construction like epoxy for water proofing works in reservoirs, chlorine used for the disinfection of water lines, and concrete additives. More attention will be taken to avoid the risk of soil erosion due to excavation activities. This is a significant impact especially in high sloped sections (If any exists).

The new main pipeline will replace the old existing one; the water discharge rate will not significantly change , thus no significant increase in wastewater amount will appear due to implementing Qabatiya project. Cesspits and septic tanks in the served communities will be adequate to carry the generated wastewater amounts.

Qabatiya project will not have any long-term adverse impacts on the natural or physical environment.

Finally by monthly basis the environmental mitigation plan was updated and submitted to CMC considering any potential for adverse impact, also environmental check list is covering any missing item that were not considered or mitigated properly.

At the beginning of the project an environmental plan was prepared according to the project specifications and submitted to the CMC and got approved, during this reporting period some environmental activities were done such as removal of excess materials resulting from the trench excavations in the yard and from the concrete casting to the approved dumping site, pumping out the



septic tank of the temporary WC used by PWA staff at site and disposal of the sewer to approved site in addition to continuously housekeeping and dust control.

3.9. 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).

3.10. 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 October 2015 attached. Below is a summary of the project percentages of completion based on the latest updated schedule up to 31st October 2015,

Performance % Complete =	22.12 %
Schedule % Complete=	25.64 %
Float =	-11 Days

Delay caused from construction works the Electrical buildings in addition to well pad; we are working with the suppliers, Subcontractors and clearance agents to expedite the construction, manufacturing and shipping schedules to accommodate the delay.

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 preparing Invoice #10 .This invoice will cover the activities completed to the day of invoicing.

5.2. Planned Activities Anticipated During November 2015

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

- Continue 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.
- Continue the electrical duct works in the yard.
- Continue backfill around the balance tank and behind the retaining walls
- Construction of the remaining walls.
- Starting the epoxy paint inside the tank.
- Starting the painting of the external walls of the tank
- Construction of the well head pad and the other pads
- Leveling works for the yard
- Preparation for pump fishing works for the missing pump
- Preparation of the required VORs
- Preparation of uncompleted construction submittals

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 for November 2015.

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 issues

7 APPENDIX

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

END OF REPORT

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Task Order 00006 Photos



USAID | WEST BANK/GAZA



Bi-weekly progress meeting between CMC, CDM Smith and ABC, 01 October 2015



Formwork for trench walls and slab-on-grade of Electrical Control Building, 03 October 2015



Formwork and steel reinforcement for trench walls and slab-on-grade of Electrical Control Building, 04 October 2015



Tiling works for Chlorination Building, 05 October 2015



HCL technician collecting concrete samples of electrical manholes at Al-Addasi factory, 05 October 2015



Formwork and steel reinforcement for trench walls and SOG of Electrical Control Building, 06 October 2015



Excavation works for booster pumps barrels , 07 October 2015



Concrete surface preparation works inside the balance tank prior to epoxy painting, 07 October 2015



Installation of galvanized steel L-frames for grating of electrical trenches at Electrical Control Building , 08 October 2015



Steel reinforcement for slab-on-grade of Electrical Control Building, 10 October 2015



Casting concrete for trench walls and SOG of Electrical Control Building, 11 October 2015



HCL technicians collecting concrete samples for compressive testing , 11 October 2015



Steel reinforcement for the slab-on-grade of Electrical Metering Building , 12 October 2015



Formwork and steel reinforcement for trench walls of Electrical Metering Building, 13 October 2015



Installation of UPVC potable water pipe serving Living Quarter, Chlorination Building and eye wash , 15 October 2015



Installation of underground electrical manhole , 17 October 2015



Installation of UPVC pipes for underground electrical duct banks , 18 October 2015



Backfilling and applying warning tape for the installed PVC potable water pipe, 18 October 2015



Casting concrete for trench walls and SOG of Electrical Metering Building , 19 October 2015



Steel reinforcement for the walls of Electrical Control Building, 20 October 2015



Installation of precast concrete rings as a dead formwork for booster pumps barrels ,22 October 2015



Formwork for lighting poles at Qabatiya Pump Station ,24 October 2015



CDM Smith QA/QC Manager attended testing of control valves at Bermad Labs. , 25 October 2015



Installation of underground discharge header of booster pumps , 25 October 2015



Welding works for discharge header under supervision of CWI , 26 October 2015



Pipe installation and formwork for underground electrical duct banks , 26 October 2015



Casting concrete for the walls of Electrical Control Building , 26 October 2015



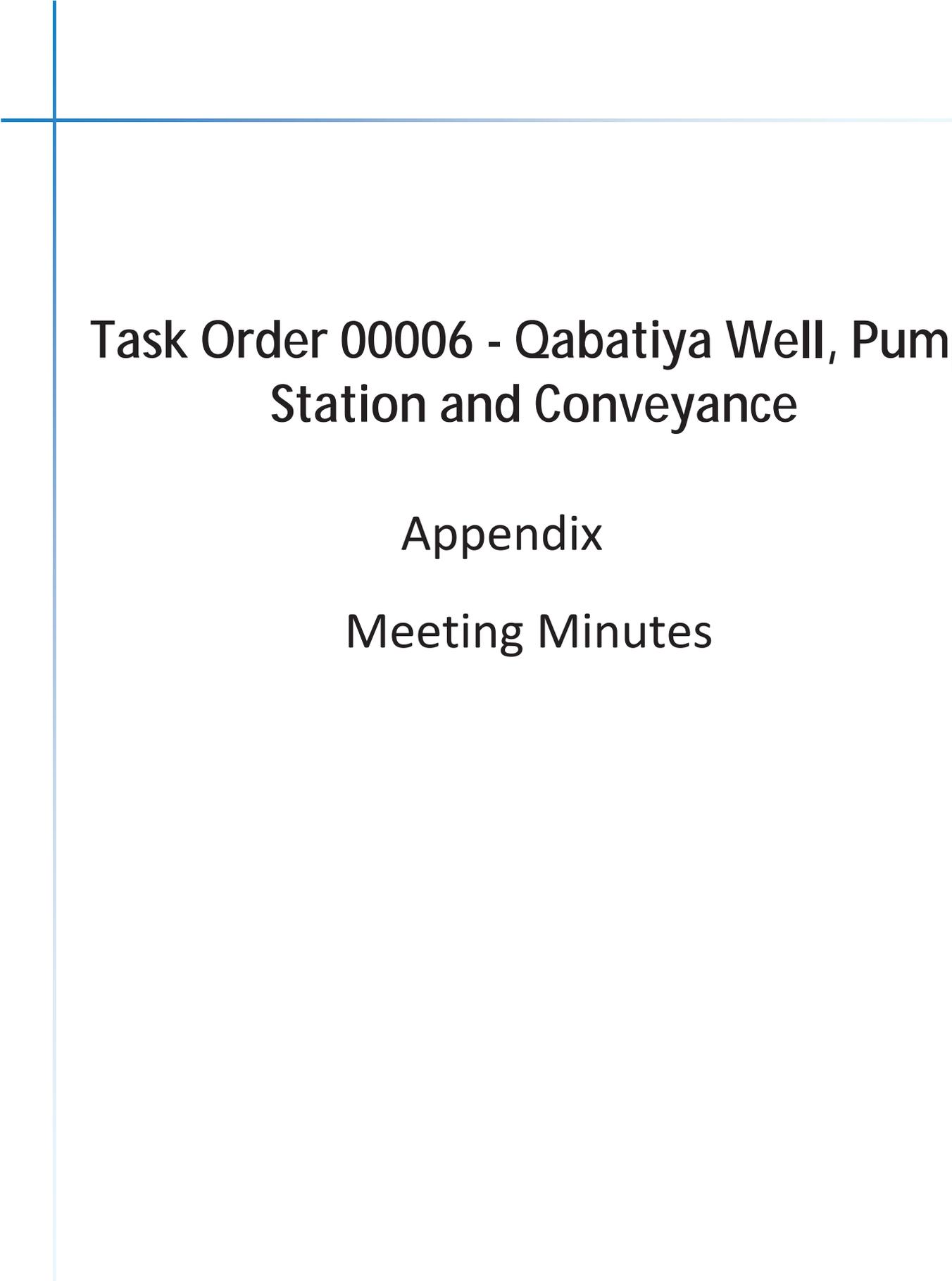
Installation of electromagnetic flow meter inside Aqqaba chamber, 28 October 2015



Safety toolbox meeting held at Qabatiya Well Pump Station, 29 October 2015



Installation of underground electrical manhole (MPH-05), 29 October 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 #40

Date:

Thursday, October 01, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD	USAID	Black and Veatch	CDM Smith and Subcontractors
--	--	Mr. Mukhles Najajreh Mr. Murad Daoud Mr. Adam Awwad Ms. Lubna Haj Hamad	Mr. Ghassan Mahdi Mr. Ghassan Thaher Mr. Talal Mahasin Mr. Mousa Anbar Mr. Abed Baker Mr. Yazan Muqbel Mr. Yousef Alqam

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 871 Days
- 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 #40.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.
- Long Lead Items Procurement Update.

3. Documents Attached:

- Progress Meeting Agenda #40.
- Attendees List.
- Long Lead Items Procurement Update.
- Two Weeks Look Ahead by CDM Smith.

4. Next Meeting is scheduled at 11:00 AM on Thursday, October 15, 2015 at Al Zababida, Palestine.



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#15	<p><u>Safety & Environment</u> 1.1 Scaffolding.</p> <p>BV thanked CDM Smith safety engineer (Mr. Abed Bakeer) on the high responsibility which appeared during follow ups the safety issues at site.</p> <p>BV urged CDM Smith to comply with project safety plan and OSHA standards regarding scaffolding and ladders. Furthermore, BV emphasized on the importance of safety tool box meeting.</p> <p>CDM Smith advised that they will follow up this issue on a daily basis.</p>	<p>Info</p> <p>CDM Smith</p> <p>CDM Smith</p>	<p>All Times</p> <p>All Times</p>
	PM#29	<p>1.2 Housekeeping.</p> <p>BV reminded CDM Smith that housekeeping shall be maintained all times on a daily basis. Furthermore, BV stated that safety behavior is based culture habit; more safety means more risk reduction.</p>	Info	
2	PM#01	<p><u>Quality.</u> 2.1 Mechanical Equipment Factory Tests.</p> <p>BV reminded CDM Smith to notify the CMC in advance prior to the expected time for testing services. In addition, BV reminded CDM Smith to submit signed, dated, and certified factory test data for each valve requiring certification, before shipping the valve as per contract requirements.</p>	CDM Smith	All Times
		<p>CDM Smith stated that they are following up this issue with the factory, but due to holidays, CDM Smith encountered delays in receiving the requesting dates. Furthermore, CDM Smith advised that the specific test's dates should be cleared by the factory after October 05, 2015, once that is completed, the dates will be submitted to CMC accordingly.</p>	CDM Smith	Oct 5, 2015
3	PM #01	<p><u>Progress of Work.</u> 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"> • Tiling works for chlorination building and living quarter. • Backfilling around the balance tank. 	Info	



	<ul style="list-style-type: none"> Concrete works for the foundations of the electrical control and metering buildings. 		
New	<p>3.2 Slow Progress of Works.</p> <p>BV raised their serious concerns regarding the slow progress of construction works due to lack of resources, and further BV noted that this is clearly observed on construction progress of the electrical metering and control buildings, yard works and booster pump area.</p> <p>CDM Smith acknowledged that delays in construction activities are occurred due lack of resources. CDM Smith and sub-contractor confirmed that they will increase the resources starting Saturday, October 03, 2015. Furthermore, CDM Smith stated that construction works for the metering and control buildings will be completed by the end of this month.</p>	<p>Info</p> <p>CDM Smith</p> <p>CDM Smith</p>	<p>Oct 03, 2015</p> <p>Oct 31, 2015</p>
PM#25	<p>3.3 Balance Tank.</p> <p>CDM Smith advised that epoxy paining for the balancing tank will start after performing minor concrete repairs. Furthermore, CDM Smith stated that concrete repairs will be started on Saturday October 03, 2015.</p> <p>BV reminded CDM Smith that inspection request for concrete repairs shall be performed prior to epoxy painting. Moreover, BV urged CDM Smith to install all fittings prior to epoxy painting.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	<p>Oct 03, 2015</p>
PM#37	<p>3.4 Incomplete Works at the Conveyance System.</p> <p>BV recommended CDM Smith to prepare a mock-up for the manholes internal repair for CMC's acceptance prior to proceeding with repair works.</p> <p>CDM Smith stated that they will prepare a mock-up, and submit the inspection for CMC's acceptance accordingly.</p>	<p>CDM Smith</p>	<p>ASAP</p>
PM#01	<p>3.5 Long Lead Items Procurement Update.</p> <p>CDM Smith distributed the equipment procurement schedule during the meeting (refer to attached copy).</p>	<p>Info</p>	
PM#01	<p>3.6 Two Weeks Look Ahead.</p> <p>CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).</p> <p>BV advised that 30 days recorded as negative float up to date.</p>	<p>Info</p>	



		<p>Furthermore, BV expressed their serious concern with respect to the observed delays which may impact the overall project schedule negatively and expose the project to risks of delays and damages.</p> <p>BV urged CDM Smith to take appropriate recovery measures to rectify the reported delays, urgently.</p>	<p>Info</p> <p>CDM Smith</p>	<p>ASAP</p>
4	PM #34	<p><u>Submittals.</u></p> <p>4.1 CPM Update.</p> <p>BV reminded CDM Smith that the last submitted schedule was updated on June 30, 2015; meanwhile, CDM Smith did not submit a revised CPM after issuing VO #06, and accordingly the submitted progress figures are not valid since the last accepted CPM has been outdated after issuing VO #06.</p> <p>BV repeatedly reminded CDM Smith to submit a revised CPM at the earliest regardless of the status of VO #07.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	<p>ASAP</p> <p>ASAP</p>
	PM #34	<p>4.2 Training Plan.</p> <p>BV reminded CDM Smith to submit a comprehensive training plan schedule as per contract documents including all required training items.</p> <p>CDM Smith advised that the plan will be submitted shortly.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	<p>ASAP</p>
	PM #37	<p>4.3 Equipment Test Plan.</p> <p>BV reminded CDM Smith to submit equipment test plan for field and factory tests as per project specifications, including all details (i.e. test schedule, and tag schedule, etc.).</p>	<p>CDM Smith</p>	<p>ASAP</p>
	PM #34	<p>4.4 Operation and Maintenance Manual.</p> <p>BV urged CDM Smith to submit all the remaining preliminary O&M as per contract documents. Moreover, BV reminded CDM Smith that they shall obtain the acceptance of the submitted preliminary O&M from CMC prior to shipment or delivery to site.</p> <p>Furthermore, BV urged CDM Smith to expedite the submission of the final O&M for the Conveyance system since CDM Smith obtained the CMC's acceptance on the preliminary O&M.</p> <p>CDM Smith advised that they will follow up this issue promptly.</p>	<p>CDM Smith</p> <p>CDM Smith</p> <p>CDM Smith</p>	<p>ASAP</p> <p>ASAP</p> <p>ASAP</p>



5	PM #26	<p><u>Financial.</u> 5.1 Required Variation Order Requests.</p> <p>BV urged CDM Smith to submit the required VORs for all changes at the earliest.</p> <p>CDM Smith stated that the remaining pending VORs that cover all the changes will be submitted shortly.</p>	<p>Info</p> <p>CDM Smith</p>	<p>ASAP</p>
	PM #01	<p><u>Reports.</u> 6.1 Monthly Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	
6	PM #01	<p>6.2 Daily Joint Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #40**

Date:

Thursday; October 01, 2015

Timing:

11:00 AM –12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

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

Agenda:

- 1. Safety & Environment.**
 - 1.1 Scaffolding.
 - 1.2 Housekeeping.
- 2. Quality.**
 - 2.1 Mechanical Equipment Factory Tests.
- 3. Progress of Work.**
 - 3.1 Progress Summary by CDM Smith.
 - 3.2 Two Weeks Look Ahead.
- 4. Submittals.**
 - 4.1 CPM Update.
 - 4.2 Training Plan.

4.3 Equipment Test Plan.

5. Financial.

5.1 Required Variation Order Requests.

6. Reports.

6.1. Daily Joint Reports.

6.2. Monthly Reports.

7. Others.

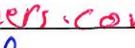
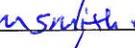
Subject: Bi-Weekly Progress Meeting #40 for TO 13-00006, Qabatiya Well Pump Station and Conveyance System-QBW.

Venue: TO Primary Office- Al Zababida.

Date: October 01, 2015

Time: From 11:00 AM to 12:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Murad Daoud	QA	BV	0598234662	DaoudM@bv.com	
2	Adnan Ahmad	PE	BV	0592097709	AhmadA@bv.com	
3	Yazan Muqbel	Project Engineer	CDM Smith	0592 997725	meqbel@cdmsmith.com	
4	Yousef Alqum	PM	ABC	0597098612	Yalqum@al-brothers.com	
5	Talent Mahasin	QC/QA Manager	CDM Smith	0592997702	mahasinT@cdmsmith.com	
6	Ghassan Thaker	PM	CDM Smith	0592 99 7701		
7	Ghassen Mahdi	PM	CDM Smith	0592997720	butmehg@cdmsmith.com	
8	Mousa Anbar	FFA Manager	CDMSmith	0599556610	anbarmd@cdmsmith.com	
9	Abdel Rahman Bakeer	safety Eng.	CDMSmith	0592-997700	bakeerar@cdmsmith.com	
10	Mukhlis Najajreh	PM	B & U	0598 934 660	NajajrehM@bv.com	
11	Lubna Haj Hamad	Sr OE	B & U	0598 934661	HajhamadL@bv.com	
12						
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Date: 1st October, 2015

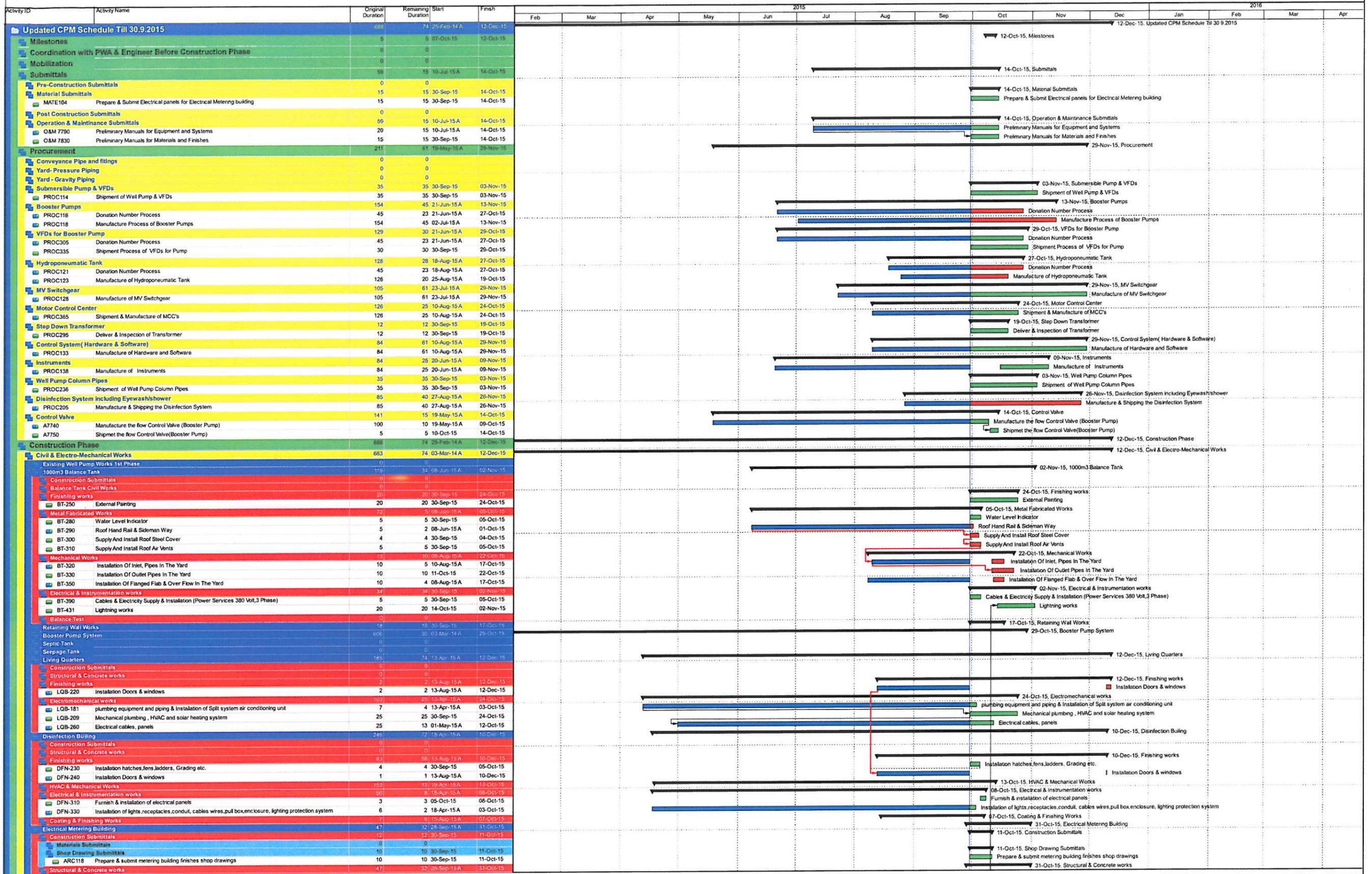
Updated CPM Schedule Till: 30th September, 2015

• **Qabatiya Well Pump Station and Conveyance System:**

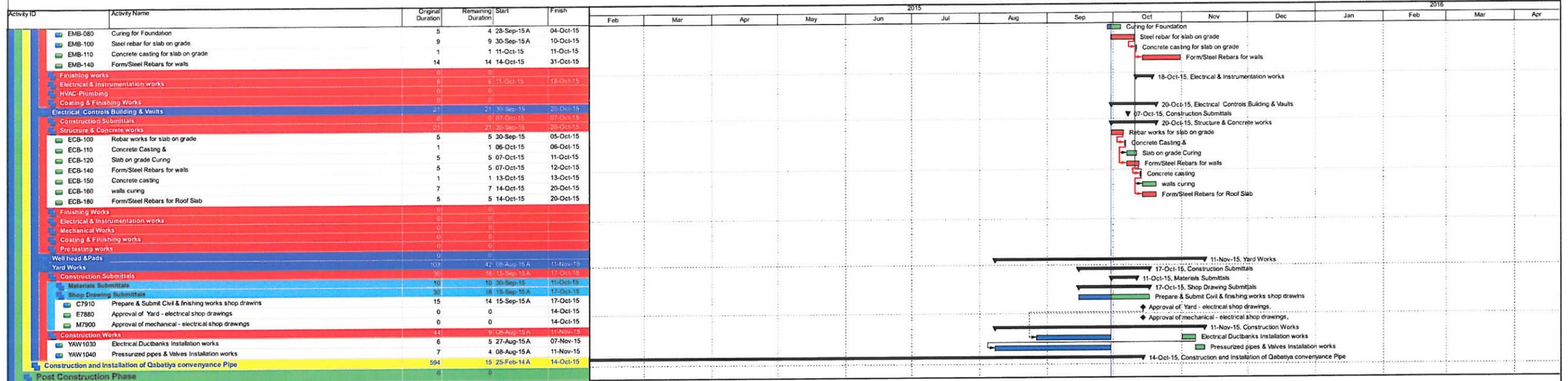
- Planned Start Date = 14th May 2013
- Planned Finish Date = 3rd February, 2016

- Planned % complete = 28.97%
- Performance % complete = 22.60%
- Float = - 30 Days

Description	P.O. Delivery Duration	P.O. Signing Date	Manufacturing Start	Manufacturing Finish	Shipping Start	Shipping Finish	Expected Clearance Finish Date	Expected Receiving Date In Qabatiya
Disinfection System including Eyewash/shower	10 - 12 Weeks	26-Aug-15	27-Aug-15	18-Oct-15	19-Oct-15	18-Nov-15	8-Dec-15	10-Dec-15
Submersible Well Pump	20 - 30 Weeks	24-Mar-15	25-Mar-15	20-Aug-15	3-Oct-15	7-Nov-15	22-Nov-15	25-Nov-15
Booster Pumps	18 - 20 Weeks	1-Jul-15	2-Jul-15	19-Nov-15	20-Nov-15	20-Dec-15	9-Jan-16	11-Jan-16
VFDs for Booster Pumps	14 Weeks	12-Jun-15	13-Jun-15	19-Sep-15	21-Oct-15	20-Nov-15	5-Dec-15	7-Dec-15
Hydropneumatic - Surge Tank	8 Weeks	24-Aug-15	25-Aug-15	20-Oct-15	21-Oct-15	20-Nov-15	5-Dec-15	7-Dec-15
Transformer	14 Weeks	24-Jul-15	25-Jul-15	18-Aug-15	19-Aug-15	1-Oct-15	15-Oct-15	18-Oct-15
Column Pipes + Access Pipes	3 Months	17-Jun-15	5-Aug-15	16-Sep-15	18-Oct-15	17-Nov-15	2-Dec-15	5-Dec-15
Switch Gear	4 - 5 Months	24-Jun-15	26-Jun-15	29-Nov-15	NA	NA	NA	2-Dec-15
Motor Control Center	3 Months	Not Yet	7-Jul-15	5-Oct-15	NA	NA	NA	7-Oct-15
Control System (Hardware & Software)	3 Months	9-Aug-15	1-Dec-15	14-Dec-15	NA	NA	NA	15-Dec-15



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



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



Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #41

Date:

Thursday, October 22, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD	USAID	Black and Veatch	CDM Smith and Subcontractors
--	--	Mr. Mukhles Najajreh Mr. Murad Daoud Ms. Lubna Haj Hamad Mr. Tamer Assaf	Mr. Ghassan Thaher Mr. Abed Baker Mr. Yousef Alqam

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, **ECL:** Environmental Check List; **INFO:** Information, **MCC:** Motor Control Center; **MOM:** Minutes of Meeting, **MTS:** Manual Transfer Switch, **NCR:** Non Compliance Report, **OSHA:** Occupational Safety and Health Administration, **PLC:** Programmable Logic Controller, **PM:** Progress Meeting, **PWA:** Palestinian Water Authority, **QBW:** Qabatiya Well, **SG:** Switch Gear, **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 892 Days
- 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 #41.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.
- Long Lead Items Procurement Update.

3. Documents Attached:

- Progress Meeting Agenda #41.
- Attendees List.
- Long Lead Items Procurement Update.
- Two Weeks Look Ahead by CDM Smith.

4. Next Meeting is scheduled at 11:00 AM on Thursday, November 05, 2015 at Al Zababida, Palestine.

Items Discussed:

West Bank/Gaza INP II Program Office
Black & Veatch Special Projects Corp
Louis Building Ras Al-Tahuna Street ,
Al Bireh, Palestine
Tel : + 970 (2) 294 7800, Fax: +970 (0) 240 2288

Black & Veatch Special Projects Corp
6601 College Boulevard
Overland Park, Kansas 66211 USA
Fax: +1 913 458 6535
Tel : +1 913 458 2900



No.	Ref.	Description	Action By	Date
1	PM #15	<p><u>Safety & Environment</u> 1.1 General Safety Requirements.</p> <p>BV reminded CDM Smith that adequate levels of safety and housekeeping shall be sustained and followed up on a daily basis. BV further clarified that more efforts shall be exerted to maintain a safe access to the yard areas.</p> <p>CDM Smith stated they will follow up these issues.</p>	<p>CDM Smith</p> <p>Info</p>	All Times
	New	<p>1.2 Unclosed Environmental Check List.</p> <p>BV requested from CDM Smith to close the ECL for July, August and September via inspection request. BV furthermore stated that ECL shall be closed on a monthly basis.</p> <p>CDM Smith advised that all comments are fulfilled except for the portable W/C cabinet which will be relocated by Sunday October 25, 2015. Accordingly, CDM Smith advised that relevant inspection requests will be submitted during next week.</p>	<p>Info</p> <p>CDM Smith</p>	Oct 25, 2015
2	PM #01	<p><u>Quality.</u> 2.1 General Quality Requirements.</p> <p>BV requested from CDM Smith to submit all the test results' reports at the earliest without any delays. Furthermore, BV reminded CDM Smith that as per contract document and accepted QC plan, all required mill certificates and test reports shall be accepted prior to delivering material and equipment to the site.</p> <p>CDM Smith stated that they are following up on this issue accordingly.</p>	<p>CDM Smith</p> <p>Info</p>	All Times
3	PM #01	<p><u>Progress of Work.</u> 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"> • Installation of electrical manholes and conduits on site. • Construction activities for electrical metering and control buildings. • Finishes activities for living quarter and chlorination buildings. 	Info	



		<ul style="list-style-type: none"> • Concrete rings for booster pump barrels. • Concrete surface preparation for balancing tank. • Conduct a joint walkthrough to identify the incomplete activities (an initial punch list) for the Qabatiya Conveyance System. Further, CDM Smith stated that next Monday; October 26, 2015 will be the start date to perform the remaining activities. <p>BV reminded CDM Smith to prepare a mock-up sample for the manholes internal repair for CMC's acceptance prior to proceeding with repair works.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	<p>Oct 26, 2015</p> <p>ASAP</p>
<p>PM #34</p>	<p>3.2 Slow Rate of Progress.</p>	<p>BV repeatedly raised their serious concerns regarding the slow rate of progress for the construction activities; meanwhile, several activities are open for construction but not attended or suffering from shortage of resources. BV also reminded CDM Smith that no activities were observed along the conveyance system; although, VO #07 that was signed by USAID on October 09, 2105, and approved the Partial Handover for Qabatiya Transmission Pipeline.</p> <p>Accordingly, BV urged CDM Smith to take immediate corrective measures in order to recover the observed delays.</p> <p>CDM Smith stated that they will follow up this issue accordingly.</p>	<p>Info</p> <p>Info</p> <p>CDM Smith</p> <p>Info</p>	<p>ASAP</p>
<p>PM #01</p>	<p>3.3 Long Lead Items Procurement Update.</p>	<p>CDM Smith distributed the equipment procurement schedule during the meeting (refer to attached copy) and further noted the followings:</p> <ul style="list-style-type: none"> • The pad mount transformer has been delivered to storage yard on October 21, 2015. • Donation Number 02 was issued by USAID. • Well pumping units have been shipped by sea, while the VFDs will be shipped by air shortly. <p>CDM Smith advised that the remaining equipment will be delivered to site as per the submitted procurement schedule.</p> <p>BV inquired about the status of the manufacturing process for MCC, MTS, PLC and LV panel boards.</p> <p>CDM Smith stated that an email will be sent out to BV in order to illustrate the manufacturing process by the end of next week.</p> <p>BV reminded CDM Smith to store the equipment upon delivery, in</p>	<p>Info</p> <p>CDM Smith</p> <p>Info</p>	<p>Oct 29, 2015</p>



		accordance with the manufacturer's instructions.	CDM Smith	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>BV noted that most of the activities are on the critical path and urged CDM Smith to take appropriate recovery measures to push the progress forward and rectify the reported delays ASAP.</p>	Info CDM Smith	ASAP
4	New	<p><u>Submittals.</u></p> <p>4.1 Submittal Register Monthly Update.</p> <p>BV reminded CDM Smith to submit the update submittal register on a monthly basis. BV further elaborated that the submittal register can be used as a tracking tool to avoid any delay.</p> <p>CDM Smith advised that the update register will be submitted on October 27, 2015.</p>	CDM Smith CDM Smith	ASAP Oct 27, 2015
	PM #29	<p>4.2 Pending Critical Submittals.</p> <p>BV reminded CDM Smith to submit the following submittals at the earliest:</p> <ul style="list-style-type: none"> • Pump Fishing and Well Cleaning Plan. • Booster Pump shed, grating and raised floor; shop-drawing and material. <p>CDM Smith stated that all pending submittals will be submitted to CMC shortly.</p>	CDM Smith CDM Smith	ASAP ASAP
	New	<p>4.3 Shutdown plan.</p> <p>BV reminded CDM Smith to submit a detailed plan that shall demonstrate ability to meet the time limitations specified in the contract. Moreover, BV reminded CDM Smith that as per contract documents, Contractor shall provide sufficient time notice to Engineer and Owner prior to any planned shutdowns.</p>	CDM Smith	ASAP
	New	<p>4.4 Startup Plan.</p> <p>BV reminded CDM Smith to submit the startup plan not less than 60 days prior to startup according to the project specification.</p>	CDM Smith	ASAP



	PM #37	<p>4.5 O&M Manuals.</p> <p>BV reminded CDM Smith to obtain the acceptance of the submitted preliminary O&M from CMC prior to shipment or delivery to site.</p> <p>Furthermore, BV reminded CDM Smith to expedite the submission of the Conveyance system O&M.</p> <p>CDM Smith stated they are following up this issue and the remaining O&M submittals will be submitted shortly.</p>	<p>CDM Smith</p> <p>CDM Smith</p> <p>Info</p>	<p>All Times</p> <p>ASAP</p>
	PM #34	<p>4.6 Training Material & Instructor's Qualification.</p> <p>BV requested from CDM Smith to expedite the submission of the training material and instructor's qualifications.</p> <p>BV acknowledged that all instructors shall be certified and authorized by the original equipment or system manufacturer and completely knowledgeable in the products, systems, and functions for the equipment provided. Furthermore, BV reminded CDM Smith that the proposed instructor's resume shall be submitted one month prior to start of training for both the owner & CMC's review and acceptance.</p> <p>CDM Smith stated that they will follow up this issue on daily basis, and provide the required documents accordingly.</p>	<p>CDM Smith</p> <p>Info</p> <p>Info</p>	<p>ASAP</p>
5	PM #26	<p><u>Financial.</u></p> <p>5.1 Required Variation Order Requests.</p> <p>BV urged CDM Smith to submit the required VORs for all changes at the earliest.</p> <p>CDM Smith stated that a VOR regarding changes in the balancing tank's hatches has been submitted today, and the remaining pending VORs will be submitted shortly.</p>	<p>Info</p> <p>CDM Smith</p>	<p>ASAP</p>
6	PM #01	<p><u>Reports.</u></p> <p>6.1 Monthly Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	
	PM #01	<p>6.2 Daily Joint Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	
7	New	<p><u>Others</u></p> <p>7.1 Existing Utility Power Supply Upgrade.</p> <p>BV urged CDM Smith to complete the coordination between all related parties regarding the power upgrade for Qabatiya Well Station in order to</p>	<p>CDM Smith</p>	<p>ASAP</p>



	<p>avoid any delay.</p> <p>BV requested from CDM Smith to provide the CMC with continuous update regarding the electrical power supply upgrade coordination. Furthermore, BV stated that CDM Smith will be provided with any support needed related to this issue.</p>	<p>CDM Smith</p>	<p>All Times</p>
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End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #41**

Date:

Thursday; October 22, 2015

Timing:

11:00 AM –12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

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

Agenda:

- 1. Safety & Environment.**
 - 1.1 General Safety Requirements.
- 2. Quality.**
 - 2.1 General Quality Requirements.
- 3. Progress of Work.**
 - 3.1 Progress Summary by CDM Smith.
 - 3.2 Long Lead Items Procurement Update.
 - 3.3 Two Weeks Look Ahead.
- 4. Submittals.**
 - 4.1 Submittal Register Monthly Update.
 - 4.2 Pending Critical Submittals.

- 4.3 O&M Manuals.
- 4.4 Training Material & Instructor's Qualification.

5. Financial.

- 5.1 Required Variation Order Requests.

6. Reports.

- 6.1 Daily Joint Reports.
- 6.2 Monthly Reports.

7. Others.



Subject: TO13-00006 QBW: Progress Meeting #41

Venue: B&V Office – Az-Zababdeh

Date: October 22, 2015

Time: From 11:00 AM to 12:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Mukhlis Najjneh	PM	B&V	0592997710	Najjneh M @bv.com	
2	Teimer Assuh	OE	B&V	0592997707	Assuh@bv.com	
3	Murad Daoud	QA	B&V	0598934662	Daoud M @bv.com	
4	Ghassan Thaker	PM	CDMSmith	0592997701	thaker.g@cdmsmith.com	
5	Abdel BaKer	safety Eng	E /	0592997700	bakeer@cdmsmith.com	
6	Yousef Alqam	PM	ABC	0597088612	Alqam@al-brothers.com	
7	Lubna Haj Hamad	Sr. OE	B&V	0598934661	HajHamad L@bv.com	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Date: 22nd, October, 2015

Updated CPM Schedule Till: 21st, October, 2015

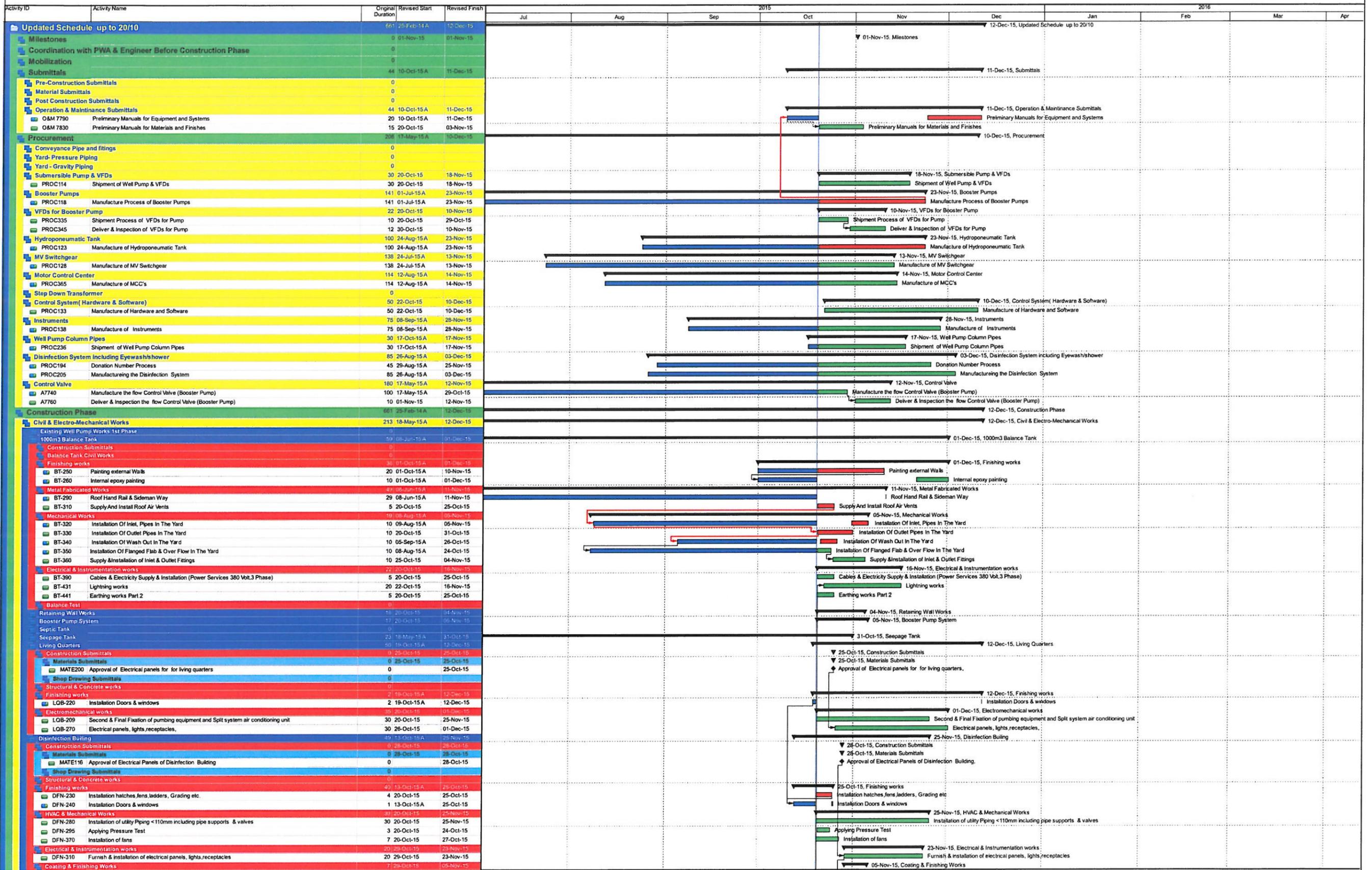
- Qabatiya Well Pump Station and Conveyance System:

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

- Planned % complete = 25.2%
- Performance % complete = 22%
- Float (days) = - 20

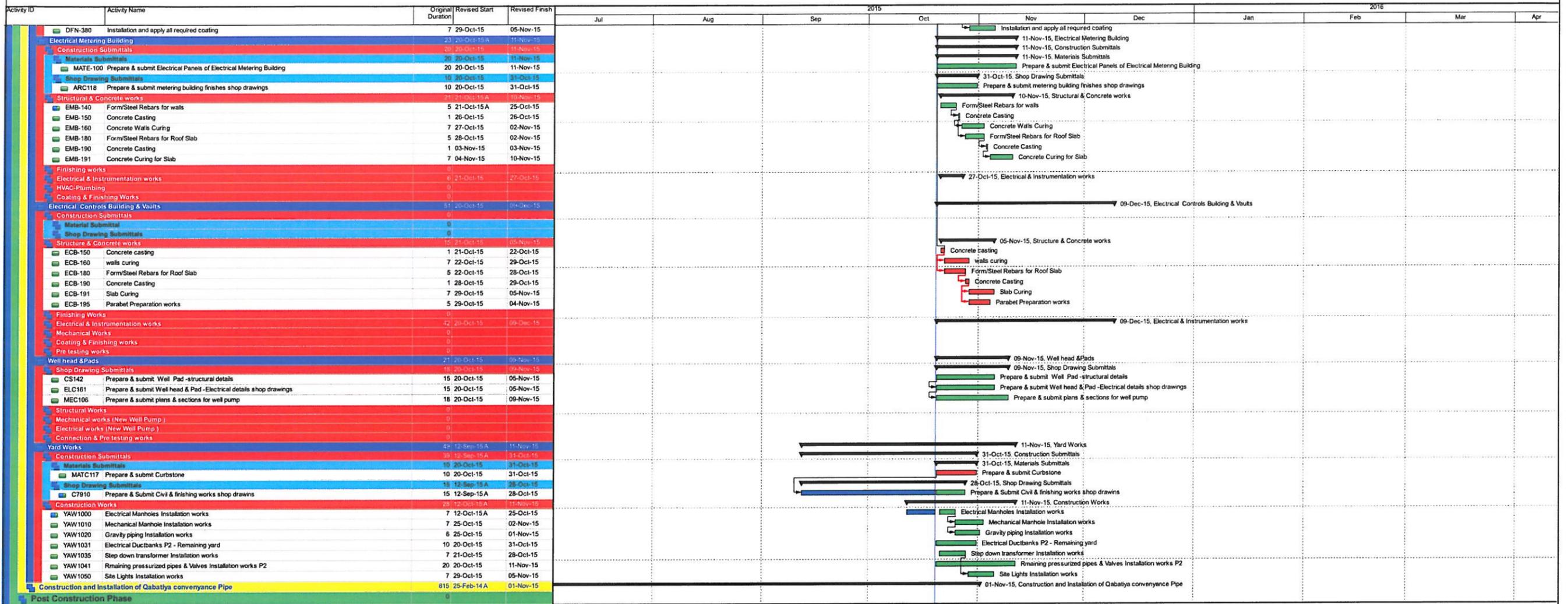
Description	P.O. Delivery Duration	P.O. Signing Date	Manufacturing Start	Manufacturing Finish	Shipping Start	Shipping Finish	Expected Clearance Finish Date	Expected Receiving Date In Qabatiya
Disinfection System including Eyewash/shower	10 - 12 Weeks	26-Aug-15	27-Aug-15	18-Oct-15	19-Oct-15	18-Nov-15	8-Dec-15	10-Dec-15
Submersible Well Pump	20 - 30 Weeks	24-Mar-15	25-Mar-15	20-Aug-15	15-Oct-15	18-Nov-15	19-Nov-15	3-Dec-15
Booster Pumps	18 - 20 Weeks	1-Jul-15	2-Jul-15	24-Nov-15	25-Nov-15	25-Dec-15	4-Jan-16	5-Jan-16
VFDs for Booster Pumps	14 Weeks	12-Jun-15	13-Jun-15	19-Sep-15	17-Oct-15	29-Oct-15	8-Nov-15	10-Nov-15
Hydropneumatic - Surge Tank	8 Weeks	24-Aug-15	25-Aug-15	24-Nov-15	25-Nov-15	25-Dec-15	4-Jan-16	5-Jan-16
Transformer	14 Weeks	24-Jul-15	25-Jul-15	18-Aug-15	19-Aug-15	26-Sep-15	16-Oct-15	23-Oct-15
Column Pipes + Access Pipes	3 Months	17-Jun-15	5-Aug-15	16-Sep-15	21-Oct-15	20-Nov-15	30-Nov-15	3-Dec-15
Switch Gear	4 - 5 Months	24-Jun-15	26-Jun-15	13-Nov-15	NA	NA	NA	20-Nov-15
Motor Control Center	3 Months	Not Yet	7-Jul-15	14-Nov-15	NA	NA	NA	24-Nov-15
Control System (Hardware & Software)	3 Months	9-Aug-15	1-Dec-15	14-Dec-15	NA	NA	NA	15-Dec-15

Two Weeks Look Ahead

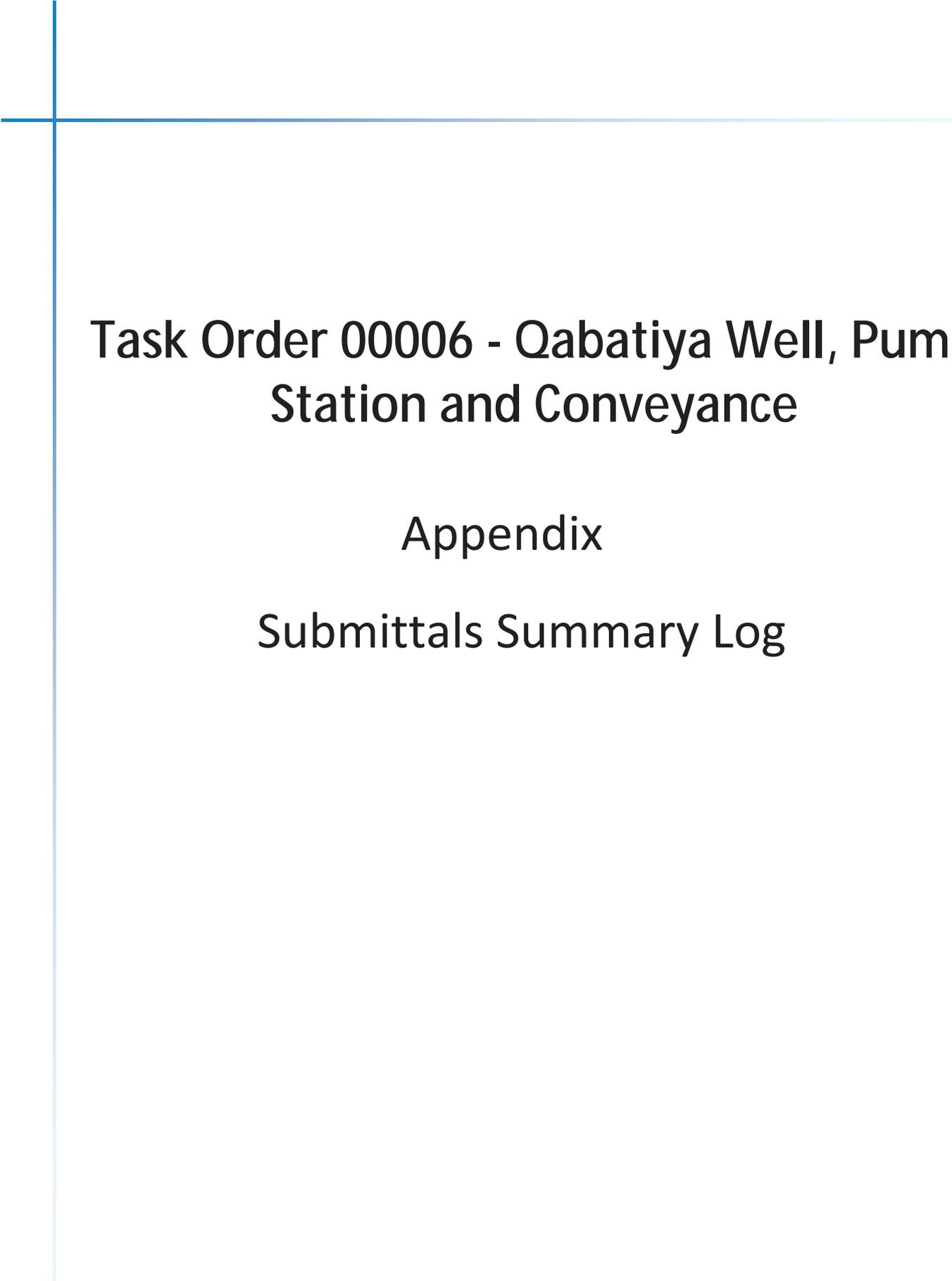


█ Actual Level of Effort
 █ Remaining Work
 █ Critical Remaining Work
 ◆ Milestone
 ▶ summary

Two Weeks Look Ahead



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



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-397B	Curbs of Mud Gate	08/10/2015	13/10/2015	A
SUB-13-00006-QBW-400B	Lightning protection system	11/10/2015	13/10/2015	B
SUB-13-00006-QBW-525C	Shop drawing for electro-mechanical installation of the eye wash inside the disinfection building	07/10/2015	Retracted 14/10/2015	
SUB-13-00006-QBW-621B	site Layout -Modified elevations for QBW building	12/10/2015	18/10/2015	E
SUB-13-00006-QBW-631C	Electrical panel boards	11/10/2015	Retracted 25/10/2015	
SUB-13-00006-QBW-631C	Electrical panel boards	26/10/2015	29/10/2015	B
SUB-13-00006-QBW-656B	Kitchen capinet door	27/10/2015	29/10/2015	A
SUB-13-00006-QBW-693B	Sample of window louvers for the chlorination building	12/10/2015	13/10/2015	A
SUB-13-00006-QBW-694B	Amerlock 400C-Alternative protective coating for internal walls of balance tank	12/10/2015	18/10/2015	E
SUB-13-00006-QBW-700B	Mechanical shop drawing for blow off pit piping	12/10/2015	19/10/2015	B
SUB-13-00006-QBW-710B	Mechanical shop drawing for out side emergency eyewash piping	06/10/2015	13/10/2015	B
SUB-13-00006-QBW-711A	Mechanical shop drawing for washout drain pipes to wadi adjacent to QBW pump station	01/10/2015	18/10/2015	C
SUB-13-00006-QBW-712A	Up date risk management plan for September 2015	01/10/2015	07/10/2015	B
SUB-13-00006-QBW-713A	Monthly Update for Environmental and Mitigation Plan for the Month of September 2015	01/10/2015	07/10/2015	A
SUB-13-00006-QBW-714A	Factory test reports for VFD's of the booster pumps	04/10/2015	13/10/2015	A
SUB-13-00006-QBW-715A	Structural details of rig pad	04/10/2015	07/10/2015	B
SUB-13-00006-QBW-716A	Monthly QA/QC and Safety Plans Updates for September 2015	04/10/2015	07/10/2015	A
SUB-13-00006-QBW-717A	preliminary operation & maintenance manual for booster pump & electrical motors	04/10/2015	19/10/2015	B
SUB-13-00006-QBW-718A	Test report on concrete compressive strength for foundation of electrical metering building -(07 day result)Ref: M/1509/348	05/10/2015	07/10/2015	A
SUB-13-00006-QBW-719A	Test report on concrete compressive strength for foundation of electrical duct bank -(28 day result)Ref: M/1509/128a	06/10/2015	07/10/2015	A
SUB-13-00006-QBW-720A	Test report on concrete compressive strength for foundation of remaining segment of eastern RW -(28 day result)Ref: M/1509/127a	06/10/2015	07/10/2015	A
SUB-13-00006-QBW-721A	Test report on concrete compressive strength for foundation of remaining part of eastern RW -(07 day result)Ref: M/1509/348	07/10/2015	07/10/2015	A
SUB-13-00006-QBW-722A	Test report on reinforcing Bars(field sampling on Oct 5,2015)Ref: M/1510/43 & M/1510/41b	08/10/2015	11/10/2015	A
SUB-13-00006-QBW-723A	Spare Parts list_Booster pump's VED(SIEMENS)	11/10/2015	19/10/2015	A
SUB-13-00006-QBW-724A	Preliminary O&M Manual for step-down Transformer	11/10/2015	26/10/2015	B
SUB-13-00006-QBW-725A	Mill certificate for Ni_AL_Bronze casting (Bowls,wearing rings ,suction bell)of the booster pumps	12/10/2015	19/10/2015	B
SUB-13-00006-QBW-726A	Revised Baseline Schedule	12/10/2015	28/10/2015	B
SUB-13-00006-QBW-727A	AkFix C900 chemical anchor(Polyster)	12/10/2015	18/10/2015	B

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-728A	Sample of electrical earth pit	12/10/2015	22/10/2015	B
SUB-13-00006-QBW-729A	Padmount Transformer Factory Test	13/10/2015	25/10/2015	C
SUB-13-00006-QBW-730A	2"Control valve test reports_Bermad	13/10/2015	19/10/2015	A
SUB-13-00006-QBW-731A	Training outline for the submersible deep well pump and Trainer's CV	13/10/2015	18/10/2015	C
SUB-13-00006-QBW-732A	Test report on concrete compressive strength for foundation of electrical control building -(28 day result)Ref: M/1509/178a	13/10/2015	18/10/2015	A
SUB-13-00006-QBW-733A	Morex, Ine, Local representative and trainer for Qabatiya project	14/10/2015	19/10/2015	C
SUB-13-00006-QBW-734A	(NEMA) test reports for US motors of the booster pumps	14/10/2015	19/10/2015	A
SUB-13-00006-QBW-735A	Alternative Cable Ladder and wall Angle Brackets	18/10/2015	22/10/2015	C
SUB-13-00006-QBW-735B	Alternative Cable Ladder and wall Angle Brackets	26/10/2015	29/10/2015	A
SUB-13-00006-QBW-736A	Structural shop drawing for precast Manhole for blow off pit piping	19/10/2015	Retracted 20/10/2015	
SUB-13-00006-QBW-737A	Structural shop drawing for balance tank sump pit grating	19/10/2015	29/10/2015	C
SUB-13-00006-QBW-738A	Outside Emergency Eyewash	19/10/2015	27/10/2015	A
SUB-13-00006-QBW-739A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 5,2015 at AL-Addasi Factory - Ref: M/1510/77	19/10/2015	21/10/2015	C
SUB-13-00006-QBW-739B	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 5,2015 at AL-Addasi Factory - Ref: M/1510/77	21/10/2015	25/10/2015	A
SUB-13-00006-QBW-740A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 6,2015 at AL-Addasi Factory - Ref: M/1510/84	19/10/2015	21/10/2015	C
SUB-13-00006-QBW-740B	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 6,2015 at AL-Addasi Factory - Ref: M/1510/84	21/10/2015	25/10/2015	A
SUB-13-00006-QBW-741A	Test report on concrete compressive strength for trench walls and slab-on-grade of electrical control building- -(07 day result) Report Ref: M/1510/175	20/10/2015	21/10/2015	C
SUB-13-00006-QBW-741B	Test report on concrete compressive strength for trench walls and slab-on-grade of electrical control building- -(07 day result) Report Ref: M/1510/175	21/10/2015	25/10/2015	C
SUB-13-00006-QBW-742A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 10,2015 at AL-Addasi Factory - Ref: M/1510/173	20/10/2015	21/10/2015	C
SUB-13-00006-QBW-742B	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 10,2015 at AL-Addasi Factory - Ref: M/1510/173	21/10/2015	25/10/2015	A
SUB-13-00006-QBW-743A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 12,2015 at AL-Addasi Factory - Ref: M/1510/294	20/10/2015	21/10/2015	C
SUB-13-00006-QBW-743B	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 12,2015 at AL-Addasi Factory - Ref: M/1510/294	21/10/2015	25/10/2015	A
SUB-13-00006-QBW-744A	Load test Report for Manhole Cover – Al Waleed Factory /Hebron. Report No.BM/PTIC/15024	25/10/2015	25/10/2015	A
SUB-13-00006-QBW-745A	Product and Manufacturer Data of Reinforcemenet steel for source approval	25/10/2015	Retracted 27/10/2015	
SUB-13-00006-QBW-746A	8" and 6" control valve test reports- Bermad	26/10/2015	27/10/2015	A
SUB-13-00006-QBW-747A	shop drawing for AC manholes and drain system	26/10/2015	29/10/2015	B
SUB-13-00006-QBW-748A	shop drawing for AC manhole covers -embossed lettering	26/10/2015	29/10/2015	A
SUB-13-00006-QBW-749A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 15 ,2015 at AL-Addasi Factory - Ref: M/1510/385	27/10/2015	28/10/2015	C

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-750A	Test report on concrete compressive strength for precast electrical manholes -(07 day result) casted on Oct 18 ,2015 at AL-Addasi Factory - Ref: M/1510/386	27/10/2015	28/10/2015	C
SUB-13-00006-QBW-751A	Electrical shop drawing for submersible well and booster pumps-electrical plans	27/10/2015		
SUB-13-00006-QBW-752A	Test report on concrete compressive strength for foundation of remaining part of eastern RW -(28 day result)Ref: M/1509/348b	27/10/2015	28/10/2015	A
SUB-13-00006-QBW-753A	Test report on concrete compressive strength for underground electrical duct banks- -(07 day result)Ref: M/1510/343	28/10/2015	29/10/2015	C
SUB-13-00006-QBW-754A	Test report on concrete compressive strength for trench walls &S.O.G.of electrical metering building -(07 day result)Ref: M/1510/344	28/10/2015	29/10/2015	C
SUB-13-00006-QBW-755A	Stainless steel welder performance Qualification -Ayed Elnatsha	28/10/2015		
SUB-13-00006-QBW-756A	Gate valve testing reports (PN16,PN40 of DN300,DN250,DN200,DN150,DN100&DN50)and one PN40 DN150 Dismantling joint	29/10/2015		
SUB-13-00006-QBW-757A	Test report on reinforcing bars(field sampling on Oct 26,2015)Ref: M/1510/451	29/10/2015	29/10/2015	A
SUB-13-00006-QBW-758A	Booster pumps bowl performance test result	29/10/2015		
SUB-13-00006-QBW-759A	Test Reports for 2", 1", 1/2" – PN40 & PN16 ARV's and one 8" PN16 Check Valve	29/10/2015		
SUB-13-00006-QBW-760A	Seismic Design of Anchorage and Support for the Vertical Deep Well Submersible Pump	29/10/2015		
SUB-13-00006-QBW-761A	Shop Drawings of Structural Details for Well & Metering Pads	29/10/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

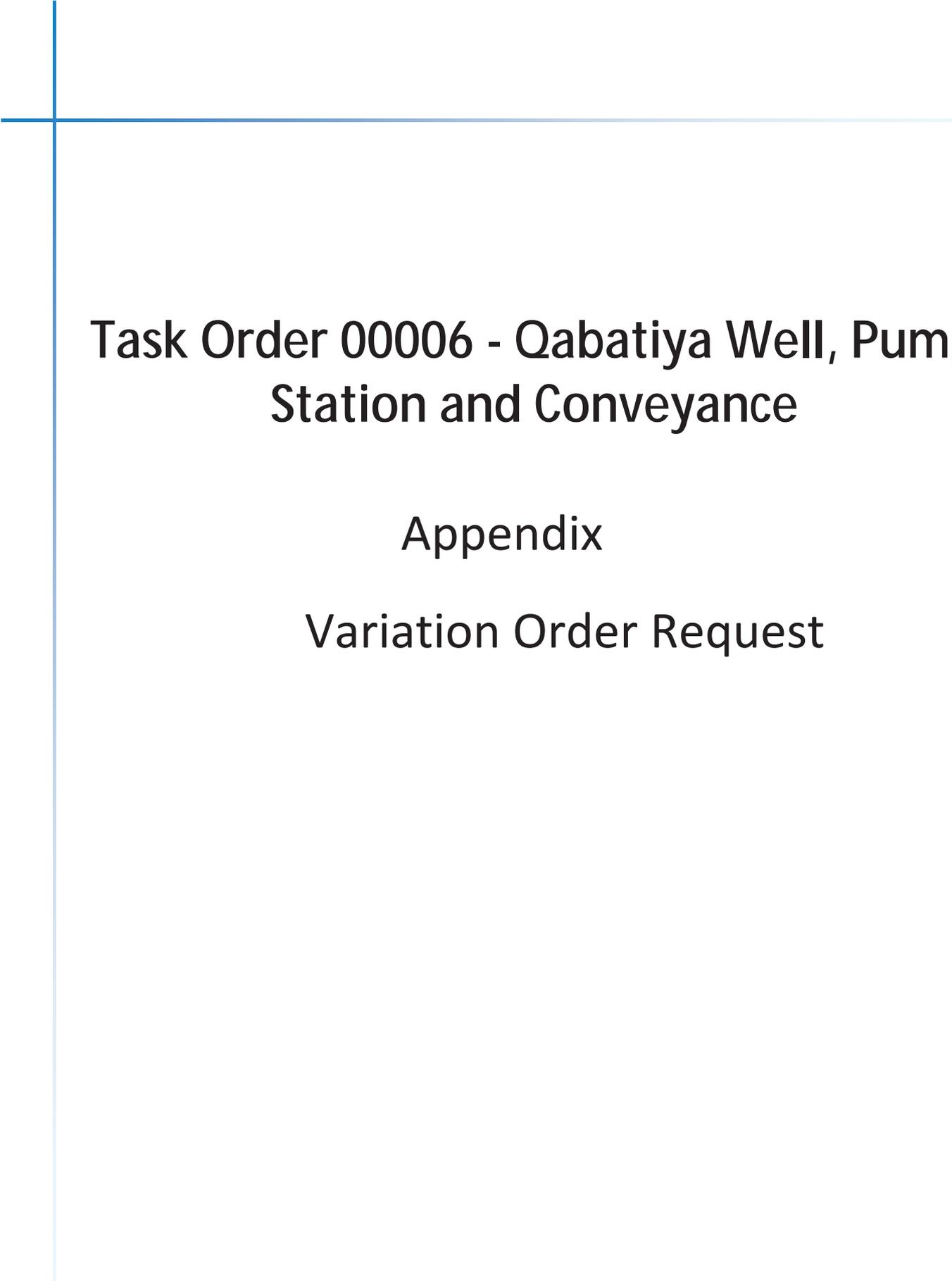
Invoices Log

**USAID WESR BANK/GAZA
INFRASTRUCTURE NEEDS Program
INVOICES LOG SHEET**

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

Qabatiya Well Pump Station and Conveyance System

Invoice #	Invoiced amount	Cumulative amount	BOQ amount	New BOQ (BOQ & VOs)	Remaining Amount	Date Received by B&V	Invoice Status	COR
1	\$ 261,286.00	\$ 261,286.00	\$ 6,858,760.00	\$ -	\$ 6,597,474.00	7/18/2013	Paid	Anan Masri
2	\$ 64,720.88	\$ 326,006.88	\$ 6,858,760.00	\$ 6,932,686.51	\$ 6,606,679.63	12/1/2013	Paid	Anan Masri
3	\$ 514,208.49	\$ 840,215.37	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,326,950.66	1/19/2014	Paid	Anan Masri
4	\$ 248,893.01	\$ 1,089,108.38	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,078,057.65	3/6/2014	Paid	Anan Masri
5	\$ 139,266.38	\$ 1,228,374.76	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,938,791.27	6/1/2014	Paid	Anan Masri
6	\$ 121,525.77	\$ 1,349,900.53	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,817,265.50	8/20/2014	Paid	Anan Masri
7	\$ 118,835.85	\$ 1,468,736.38	\$ 6,858,760.00	\$ 7,045,989.41	\$ 5,577,253.03	10/29/2014	Paid	Anan Masri
8	\$ 246,975.61	\$ 1,715,711.99	\$10,709,995.00	\$ 10,709,995.00	\$ 8,994,283.01	3/29/2015	Paid	Anan Masri
9	\$ 136,404.36	\$ 1,852,116.35	\$10,659,519.27	\$ 10,709,995.00	\$ 8,807,402.92	10/21/2015	Paid	Anan Masri



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-020A	Installation two (2) Bilco roof hatches instead of four (4) for the balance tank.	22/10/2015	25/10/2015

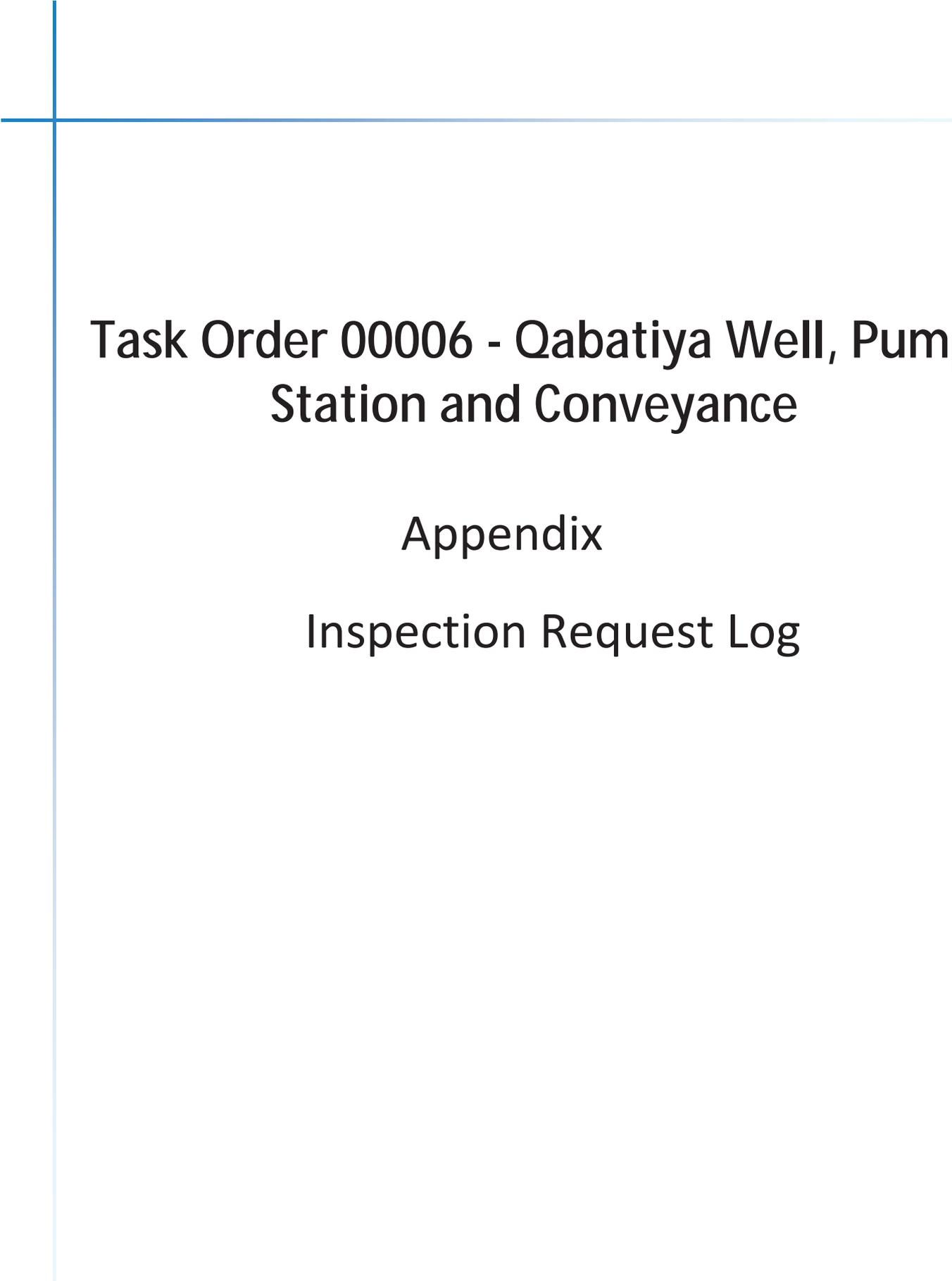
Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

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: 10/31/2015		
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	
September	2015	86.88	135.63	141.88	98.88	22.00	485.25	20.39	
Total of FY 2015							5237.63	220.07	
October	2015	99.50	154.63	181.50	168.75	28.00	632.38	26.57	
Total of FY 2016							632.38	26.57	
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.									

DATE	Name of Contractor /Subcontractor	Site Staff Job Days **																			Man-days*						
		Worker/Classification (Hours)																			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other		
		Management				Engineers					Skilled labor			Unskilled labor			Other										
Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc .	Electrical Engineer	Project Engineer	Office Engineer	Quality Control Engineer	Contract Specialist	Civil Engineer	Site Engineer	Survey Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver								
October 9, 2015	CDM Smith																					0	0	0	0	0	
	Arab Brothers																										
	Site Group																										
October 10, 2015	CDM Smith	8	8	8			8										8					4	6	4	5	1	
	Arab Brothers				8		8				8	8	8		32				32	8							
	Site Group																										
October 11, 2015	CDM Smith	8	8	8			8										8					4	6	5.25	6	1	
	Arab Brothers				8		8				8	8	8		40	2			40	8							
	Site Group																										
October 12, 2015	CDM Smith	8	8	8			8										8					4	6	4.25	6	1	
	Arab Brothers				8		8				8	8	8		32	2			40	8							
	Site Group																										
October 13, 2015	CDM Smith	8	8	8			8										8					4	6	6.25	5	1	
	Arab Brothers				8		8				8	8	8		48	2			32	8							
	Site Group																										
October 14, 2015	CDM Smith	8	8	8			8										8					4	6	7	5	1	
	Arab Brothers				8		8				8	8	8		48	8			32	8							
	Site Group																										
October 15, 2015	CDM Smith																					1	5	9	4	1	
	Arab Brothers				8		8				8	8	8		56	16			32	8							
	Site Group																										
October 16, 2015	CDM Smith																					0	0	0	0	0	
	Arab Brothers																										
	Site Group																										
October 17, 2015	CDM Smith	8		8			8										8					3	6	9	7	1	
	Arab Brothers				8		8				8	8	8		64	8			48	8							
	Site Group																										
October 18, 2015	CDM Smith	8		8			8										8					3	6	6	9	1	
	Arab Brothers				8		8				8	8	8		40	8			64	8							
	Site Group																										
October 19, 2015	CDM Smith	8	8	8			8										8					4	6	8	9	1	
	Arab Brothers				8		8				8	8	8		56	8			64	8							
	Site Group																										
October 20, 2015	CDM Smith	8	8	8			8										8					4	6	6	7	1	
	Arab Brothers				8		8				8	8	8		40	8			48	8							
	Site Group																										
October 21, 2015	CDM Smith	8	8	8			8										8					4	6	7	7	1	
	Arab Brothers				8		8				8	8	8		48	8			48	8							
	Site Group																										
October 22, 2015	CDM Smith	8	8	8			8										8					4	6	8	7	1	
	Arab Brothers				8		8				8	8	8		56	8			48	8							
	Site Group																										



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-1300006-QBW-280B	Inspection of initial water level inside the eastern compartment of the balance tank as part of the leakage test procedure.	28/10/2015	28/10/2015	A
IR-1300006-QBW-361B	Inspection of delivered sample of cast iron sewage manhole covers for qabatiya pump station (Al-Waleed factory)	26/10/2015	27/10/2015	A
IR-1300006-QBW-384A	Inspection of steel reinforcement for electrical precast manholes(MHP-02 &MHB-03)at AL Addasi company located in Ramallah city (As per the attached drawing)	01/10/2015	04/10/2015	A
IR-1300006-QBW-385A	Inspection of form work and steel reinforcement for walls of electrical trenches at the Electrical control building prior to proceeding with closing the shuttering	01/10/2015	04/10/2015	A
IR-1300006-QBW-386A	Inspection of damp-proofing coat for the edge and internal foundation of electrical metering building prior to backfilling	04/10/2015	04/10/2015	A
IR-1300006-QBW-387A	Inspection of delivered aluminum windows for the living quarter as shown in the attached MRR-024	04/10/2015	04/10/2015	C
IR-1300006-QBW-388A	Inspection of confined_space safety preparations and measures inside both compartments of the balance tank prior to starting works	05/10/2015	06/10/2015	A
IR-1300006-QBW-389A	Inspection of formwork and steel reinforcement for walls below slab_on grade at the electrical control building prior to proceeding with closing the shuttering	05/10/2015	06/10/2015	A
IR-1300006-QBW-390A	Inspection of delivered galvanized steel L-frames for grating of electrical trenches inside electrical building as shown in the attached MRR-025	06/10/2015	07/10/2015	A
IR-1300006-QBW-391A	Inspection of laying out vapor barrier installation steel reinforcement and formwork for external walls electrical trench walls and slab on grade of the electrical control building prior to concrete casting	08/10/2015	11/10/2015	A
IR-1300006-QBW-392A	Inspection of confined_space safety preparations and measures inside western compartments of the balance tank prior to starting finishing works	12/10/2015	13/10/2015	A
IR-1300006-QBW-393A	Inspection electrical conduits under the foundation of the electrical metering building as per the attached drawing	13/10/2015	14/10/2015	A
IR-1300006-QBW-394A	Inspection for laying out vapor barrier and installation of steel reinforcement for trench walls and slab-on-grade of the electrical metering building	13/10/2015	14/10/2015	A
IR-1300006-QBW-395A	Inspection of leakage and pressure testing for the HDPE pipe connecting seepage pit with septic tank.	13/10/2015	14/10/2015	A
IR-1300006-QBW-396A	Inspection for the locations of electrical manholes(MHP-2,MHP-3,MHP-4& MHP-6)prior to starting excavation works.	14/10/2015	14/10/2015	A
IR-1300006-QBW-397A	Inspection for steel reinforcement and casting concrete for the base of the elactrical metering building	14/10/2015	18/10/2015	C
IR-1300006-QBW-397B	Inspection for steel reinforcement and casting concrete for the base of the electrical metering building	18/10/2015	19/10/2015	A
IR-1300006-QBW-398A	Inspection for the installation of 50mm UPVC potable water pipe for living quarter, chlorination building and eye wash prior to backfilling	18/10/2015	19/10/2015	A
IR-1300006-QBW-399A	Inspection of formwork and steel reinforcement for electrical duct bank(DBP-03 and DBP-03.2)prior to concrete casting	18/10/2015	19/10/2015	C
IR-1300006-QBW-399B	Inspection of formwork and steel reinforcement for electrical duct bank(DBP-03 and DBP-03.2)prior to concrete casting	19/10/2015	20/10/2015	A
IR-1300006-QBW-400A	Inspection for the location of electrical manholes (MHP-1,MHP-5,MHS-1,MHS-2&MHS-3) prior to start excavation works for the same	19/10/2015	20/10/2015	A
IR-1300006-QBW-401A	Inspection of the delivered precast concrete electrical manholes from AL-Addasi as per the attached MRR-027	19/10/2015	20/10/2015	C
IR-1300006-QBW-401B	Inspection of the delivered precast concrete electrical manholes from AL-Addasi as per the attached MRR-028	20/10/2015	21/10/2015	C
IR-1300006-QBW-401C	Inspection of the delivered precast concrete electrical manholes from AL-Addasi as per the attached MRR-029	25/10/2015	25/10/2015	A
IR-1300006-QBW-402A	Inspection of delivered steel doors and galvanized steel door frames as shown in the attached MRR-028	19/10/2015	20/10/2015	A
IR-1300006-QBW-403A	Inspection for the installation of precast concrete rings for the barrels of booster pumps as per the attached drawing	21/10/2015	22/10/2015	C
IR-1300006-QBW-403B	Inspection for the installation of precast concrete rings for the barrels of booster pumps as per the attached drawing	22/10/2015	22/10/2015	A
IR-1300006-QBW-404A	Inspection for the installation and leakage test of the HDPE drain pipes for AC units at the walls of electrical control building	21/10/2015	22/10/2015	A
IR-1300006-QBW-405A	Inspection for installation of (9.52 and 15.88mm)copper pipes for AC system at the walls of electrical control building prior to proceeding with closing the shuttering	21/10/2015	22/10/2015	A
IR-1300006-QBW-406A	Inspection for the installation of electrical conduits at the walls of electrical control building prior to proceeding with closing the shuttering	22/10/2015	22/10/2015	A
IR-1300006-QBW-407A	Inspection of formwork and steel reinforcement for the walls of electrical control building (as shown in attached drawings)prior to proceeding with closing the shuttering	22/10/2015	22/10/2015	A
IR-1300006-QBW-408A	Inspection for delivered steel security screens for the window living quarter as shown in the attached MRR-029	22/10/2015	22/10/2015	A
IR-1300006-QBW-409A	Inspection of delivered debris and mud gates as shown in the attached MRR-030	22/10/2015	22/10/2015	A
IR-1300006-QBW-410A	Inspection of concrete surface preparation and cleaning inside the western compartment of balance tank prior to starting painting works.	25/10/2015	25/10/2015	C
IR-1300006-QBW-411A	Inspection of form work closing for the walls of electrical control building prior to casting concrete	26/10/2015	27/10/2015	A
IR-1300006-QBW-412A	Inspection for form work and steel reinforcement for electrical duct banks (DBP-02.1,DBP-04,DBP-03.2,DBS-05 and DBP-03.1 as per the attached drawing.	26/10/2015	27/10/2015	A
IR-1300006-QBW-413A	Inspection for form work and steel reinforcement for lighting as per the attached drawing	26/10/2015	27/10/2015	A
IR-1300006-QBW-414A	Inspection for the installation of galvanized steel door frame for door(DIS-01)of the chlorination building	27/10/2015	27/10/2015	C
IR-1300006-QBW-415A	Inspection for environmental checklist for the month of July 2015	27/10/2015	27/10/2015	A
IR-1300006-QBW-416A	Inspection for environmental checklist for the month of August 2015	27/10/2015	27/10/2015	A
IR-1300006-QBW-417A	Inspection for environmental checklist for the month of September 2015	27/10/2015	27/10/2015	A
IR-1300006-QBW-418A	Inspection for the location of lighting pole (pole-01)prior to starting formwork and steel reinforcement of poles foundation	27/10/2015	27/10/2015	A
IR-1300006-QBW-419A	Inspection for the location of underground electrical manhole (MPH-05) prior to starting exavation works	27/10/2015	27/10/2015	A
IR-1300006-QBW-420A	Inspection for the delivery of precast concrete manhole for electrical works(MPH-05)as shown in the attached MRR-031	28/10/2015	28/10/2015	A
IR-1300006-QBW-421A	Inspection for the installation of electrical conduits at the walls of electrical metering building prior to proceeding with closing the shuttering	28/10/2015	29/10/2015	A
IR-1300006-QBW-422A	Inspection for formwork and steel reinforcement for underground electrical duct banks (DBP-03.3, DBP-03.4 and part of DBP-03.5) prior to concrete casting	28/10/2015	28/10/2015	A
IR-1300006-QBW-423A	Inspection for formwork and steel reinforcement for foundation of lighting pole (Pole-01) prior to concrete casting.	28/10/2015	28/10/2015	A
IR-1300006-QBW-424A	Inspection for delivered precast concrete manhole for electrical works(manhole MHS-02)as shown in the attached MRR-32	29/10/2015	29/10/2015	A
IR-1300006-QBW-425A	Inspection for formwork and steel reinforcement for the walls of the electrical metering building prior to closing the internal shuttering	29/10/2015	29/10/2015	A

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix Equipment List

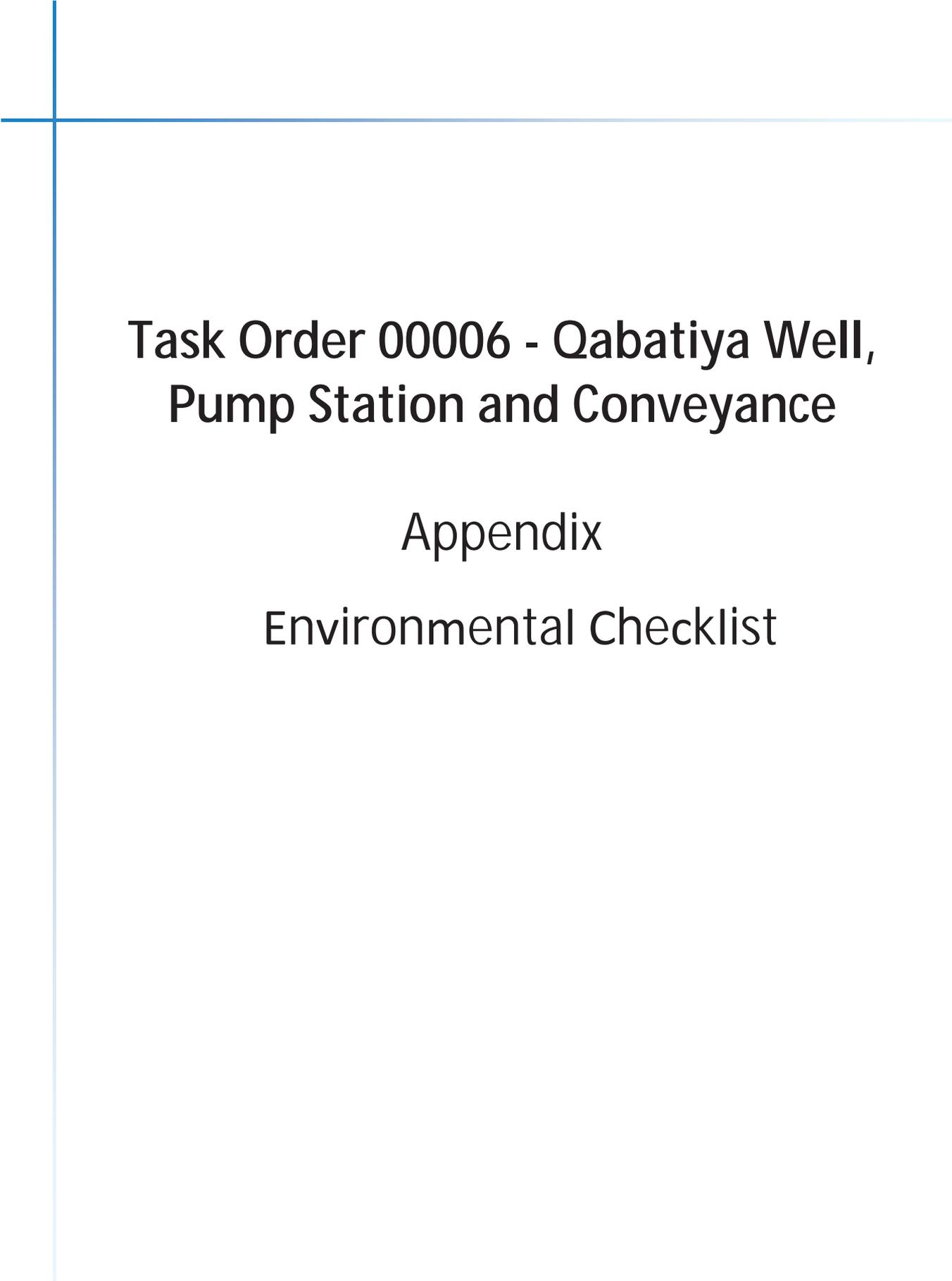
USAID Contract No.: AID-294-I-00-12-00001			
Task Order No.: AID-294-TO-13-00006			
Qabatiaya Well Pump Station And Conveyqance System			
Equipment List-October 2015			
Backhoe/Idle	01/10/2015	JCB	2011
Bobcat	01/10/2015	CAT	2013
Bobcat/Idle	02/10/2015	CAT	2013
Backhoe/Idle	02/10/2015	JCB	2011
Backhoe/Idle	03/10/2015	JCB	2011
Bobcat	03/10/2015	CAT	2013
Backhoe/Idle	04/10/2015	JCB	2011
Bobcat/Idle	04/10/2015	CAT	2013
Bobcat	05/10/2015	CAT	2013
Backhoe	05/10/2015	JCB	2011
Backhoe	06/10/2015	JCB	2011
Bobcat/Idle	06/10/2015	CAT	2013
Backhoe/Idle	07/10/2015	JCB	2011
Bobcat/Idle	07/10/2015	CAT	2013
Excavator	07/10/2015	FIAT	2007
Truck	07/10/2015	DAF	1980
Backhoe/Idle	08/10/2015	JCB	2011
Bobcat/Idle	08/10/2015	CAT	2013
Excavator	08/10/2015	FIAT	2007
Truck	08/10/2015	DAF	1980
Backhoe/Idle	09/10/2015	JCB	2011
Bobcat/Idle	09/10/2015	CAT	2013
Excavator/Idle	09/10/2015	FIAT	2007
Truck/Idle	09/10/2015	DAF	1980
Backhoe/Idle	10/10/2015	JCB	2011
Bobcat/Idle	10/10/2015	CAT	2013
Excavator/Idle	10/10/2015	FIAT	2007
Backhoe/Idle	11/10/2015	JCB	2011
Bobcat/Idle	11/10/2015	CAT	2013
Excavator	11/10/2015	FIAT	2007
Vibrator	11/10/2015		
Backhoe/Idle	12/10/2015	JCB	2011
Bobcat/Idle	12/10/2015	CAT	2013
Mobile crane	12/10/2015	DAF	1996
Backhoe/Idle	13/10/2015	JCB	2011
Bobcat	13/10/2015	CAT	2013
Backhoe	14/10/2015	JCB	2011
Bobcat/Idle	14/10/2015	CAT	2013
Backhoe	15/10/2015	JCB	2011
Bobcat	15/10/2015	CAT	2013
Mobile crane	15/10/2015	DAF	1996
Backhoe/Idle	16/10/2015	JCB	2011
Bobcat	16/10/2015	CAT	2013

Backhoe	17/10/2015	JCB	2011
Bobcat	17/10/2015	CAT	2013
Backhoe	18/10/2015	JCB	2011
Bobcat	18/10/2015	CAT	2013
Backhoe	19/10/2015	JCB	2011
Bobcat	19/10/2015	CAT	2013
Backhoe	20/10/2015	JCB	2011
Bobcat	20/10/2015	CAT	2013
Mobile crane	20/10/2015	DAF	1996
Backhoe	21/10/2015	JCB	2011
Bobcat	21/10/2015	CAT	2013
Mobile crane	21/10/2015	DAF	1996
Backhoe	22/10/2015	JCB	2011
Bobcat	22/10/2015	CAT	2013
Backhoe	23/10/2015	JCB	2011
Bobcat	23/10/2015	CAT	2013
Backhoe	24/10/2015	JCB	2011
Bobcat/Idle	24/10/2015	CAT	2013
Mobile crane	24/10/2015	DAF	1996
Backhoe	25/10/2015	JCB	2011
Bobcat	25/10/2015	CAT	2013
Backhoe	26/10/2015	JCB	2011
Bobcat/Idle	26/10/2015	CAT	2013
Concrete vibrator	26/10/2015		
Welding machine	26/10/2015		
Backhoe	27/10/2015	JCB	2011
Bobcat/Idle	27/10/2015	CAT	2013
Welding machine	27/10/2015		
Backhoe	28/10/2015	JCB	2011
Bobcat	28/10/2015	CAT	2013
Welding machine	28/10/2015		
Backhoe	29/10/2015	JCB	2011
Bobcat/Idle	29/10/2015	CAT	2013
Mobile crane	29/10/2015	DAF	1996
Backhoe/Idle	30/10/2015	JCB	2011
Bobcat/Idle	30/10/2015	CAT	2013

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Risks and Mitigation Measures



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Environmental Checklist



USAID WEST BANK/ GAZA
 INFRASTRUCTURE NEEDS PROGRAM INPII
 CONTRACT NO. AID-294-I-00-12-0001
 TASK ORDER NO. AID-294-TO-13-00006
 QABATIYA WELL PUMP STATION AND CONVEYANCE SYSTEM (QBW)



Attendees: Murad Daoud / Adam Awwad								
Site(s) Visited: QBW								
Name of Inspector: Murad Daoud			Date of Inspection:		October 31, 2015			
N o.		Yes/No/NA	Remarks by CMC	Date	Action by Contractor	Date	Resolved by Contractor	Date
1	General							
1.A	Health, Safety, and Environmental Plan and first aid kit is onsite	Yes						
1.B	Temporary Utilities: toilet facilities; covered water kegs; shade are provided	Yes						
1.C	Air Quality Control: Dust and sand emissions are minimized	No	Contractor shall increase his efforts to control the dusts by using water spray or any other means	October 31, 2015				
1.D	Noise and Vibration Control: control measures are implemented	Yes						
1.E	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)	No	Contractor shall increase his efforts for good housekeeping and to dispose the rubbish materials in the approved dumping area	October 31, 2015				
1.F	Fire Protection and Prevention: Inspect fire station and flammable storage; signs should be posted for designated smoking and no smoking areas	Yes						
1.G	Personal Protection Equipment (PPE): Workers have proper PPE for task	Yes						
1.H	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 lockout/tag out	Yes						
2	Construction Noise, Heavy Machinery and Equipment							
2.A	Minimize use of heavy equipment and machinery whenever possible.	Yes						
2.B	Traffic Control: Barricades, traffic cones, warning signs, lights, flagmen, and other safety devices and staff as applicable in accordance to local authority requirements	Yes						
2.C	Provide well-maintained construction equipment, vehicles and machinery to minimize pollutant emissions.	Yes						
2.D	Install and maintain mufflers on all machinery. Limit and control machinery movement within and around work site.	Yes						
2.E	Limit the operation of noisy, heavy equipment between the hours of 6:00 pm to 6:00 am and during Friday and other official holidays.	NA						
2.F	Prevent oil and fuel leaks by eliminating the cause and sources of leaks and by continuous check.	Yes						
2.G	Abide by local laws and ordinances concerning speed, weights of vehicles that transport construction materials to and from construction, storage and quarry sites in order to maximize safety and minimize environmental hazards such as traffic accidents, pavements damage or excess dust generation.	Yes						
2.H	Intermittent noisy activities should be scheduled to minimize exposure of neighboring areas to high levels of construction noise. For example, noisy activities could be scheduled at times coinciding with periods when the schools are likely to be unoccupied. Prolonged operation of noisy equipment close to the schools should be avoided.	Yes						
2.I	Idle equipment should be turned off or throttled down. Noisy equipment should be properly maintained and used no more often than is necessary.	Yes						
2.J	Construction activities should be planned so that parallel operation of several sets of equipment close to a given receiver is avoided.	Yes						
2.K	Where possible, the numbers of concurrently operating items of plant should be reduced through sensitive programming.	Yes						
2.L	Construction plant should be properly maintained and operated. Construction equipment often has silencing measures built in or added on, e.g. compressor panels, and mufflers. Silencing measures should be properly maintained and utilized.	Yes						
2.M	Provide workers with Protective hearing devices and breathing masks.							
3	Traffic Management	Yes						
3.A	Prepare a traffic plan to be approved by the CMC for management of traffic during construction. Particular attention to heavily traveled sections of the road which include pedestrian traffic.	Yes						
3.B	Manage and control construction activities to minimize traffic disruption and possible delays in the construction zone area.	NA						
3.C	Plan and provide temporary alternative lanes and routes to allow passage of traffic with minimum delay, disruption and maximum safety.	No	Contractor shall plan the movement of vehicles inside the site.	October 31, 2015				

N o.		Yes/No/NA	Remarks by CMC	Date	Action by Contractor	Date	Resolved by Contractor	Date
3.D	Utilize flagmen and other appropriate means to direct traffic safely and minimize conflicts between public and construction traffic.	Yes						
3.E	Coordinate with all concerned parties, such as DCI, local authorities, municipalities, local councils, and local police department for all planned construction activities.	Yes						
3.F	Coordinate with local authorities emergency routes to allow medical and public safety services to be delivered to the work site and through it to the public at large.							
3.G	Provide all area map showing closest medical, emergency, police and fire services.	Yes						
4	Health and Safety	Yes						
4.A	Prepare a Safety Plan and submit to the CMC for approval.	Yes						
4.B	Implement safety measures to protect workers, public (vehicular and pedestrian) from possible injury and adjacent property from damage.	Yes						
4.C	Implement safety measures during the road construction by providing temporary bridges, safe pathways and hand rails and other safety measures during the road construction.	No						
4.D	Provide measures to define and isolate construction zones by using warning signs, fencing and ribbon barriers	No	Contractor shall isolate as possible the construction areas.	October 31, 2015				
4.E	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.	NA						
4.F	Provide map(s) to nearest medical and public safety facilities including telephone numbers in case of illness or a construction accident.	Yes						
4.G	Fixed or Portable Toilets shall be provided wherever needed for the use of employees.	Yes						
4.H	The contractor shall provide temporary shoring as appropriate and needed.	Yes						
5	Dust Control	NA						
5.A	Utilize dust palliative such as calcium chloride and/or wetting by water application to minimize and control dust migration from construction site, quarries and storage areas.	Yes						
5.B	Spray water using water tanks whenever needed to assure minimization of dust migration	Yes						
5.C	The working area for the uprooting of trees, shrubs or vegetation or for the removal of boulders, poles, pillars or temporary or permanent structures shall be sprayed with water or a dust suppression chemical immediately.	Yes						
5.D	All demolished items (including trees, shrubs, vegetation, boulders, poles, pillars, structures debris, rubbish and other items arising from site clearance) that may dislodge dust particles shall be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition.	Yes						
5.E	Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty materials from its body and wheels.	Yes						
5.F	Where a vehicle leaving a construction site is carrying a load of dusty materials, the load shall be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle. At least 50cm of freeboard vertical distance will be maintained between the top of the load and the top of the trailer sides on Truck hauling dirt, soil or loose materials off the site.	NA						
5.G	Vehicle speed within the worksite shall be limited to 10 kph, except for properly formed and maintained access roads.	Yes						
5.H	The concrete batching plant shall be located away from any air sensitive receiver as far as practicable.	Yes						
5.I	Cement delivered in bulk shall be stored properly and covered to eliminate dust migration.	NA						
5.J	The working area of any excavation or earth moving operation shall be sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation so as to maintain the entire surface wet.	NA						
5.K	Exposed earth shall be properly treated by compaction, turning, hydro seeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within 6 months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.	NA						
6	Land Use	NA						
6.A	All work will occur in designated Right-Of-Way (ROW) of the road. No encroachment on private land.	NA						
6.B	Maximum effort will be provided to protect existing trees along the ROW of the construction zone especially Mature olive trees.	NA						
6.C	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. Maximum efforts will be also provided to avoid uprooting trees.	Yes						

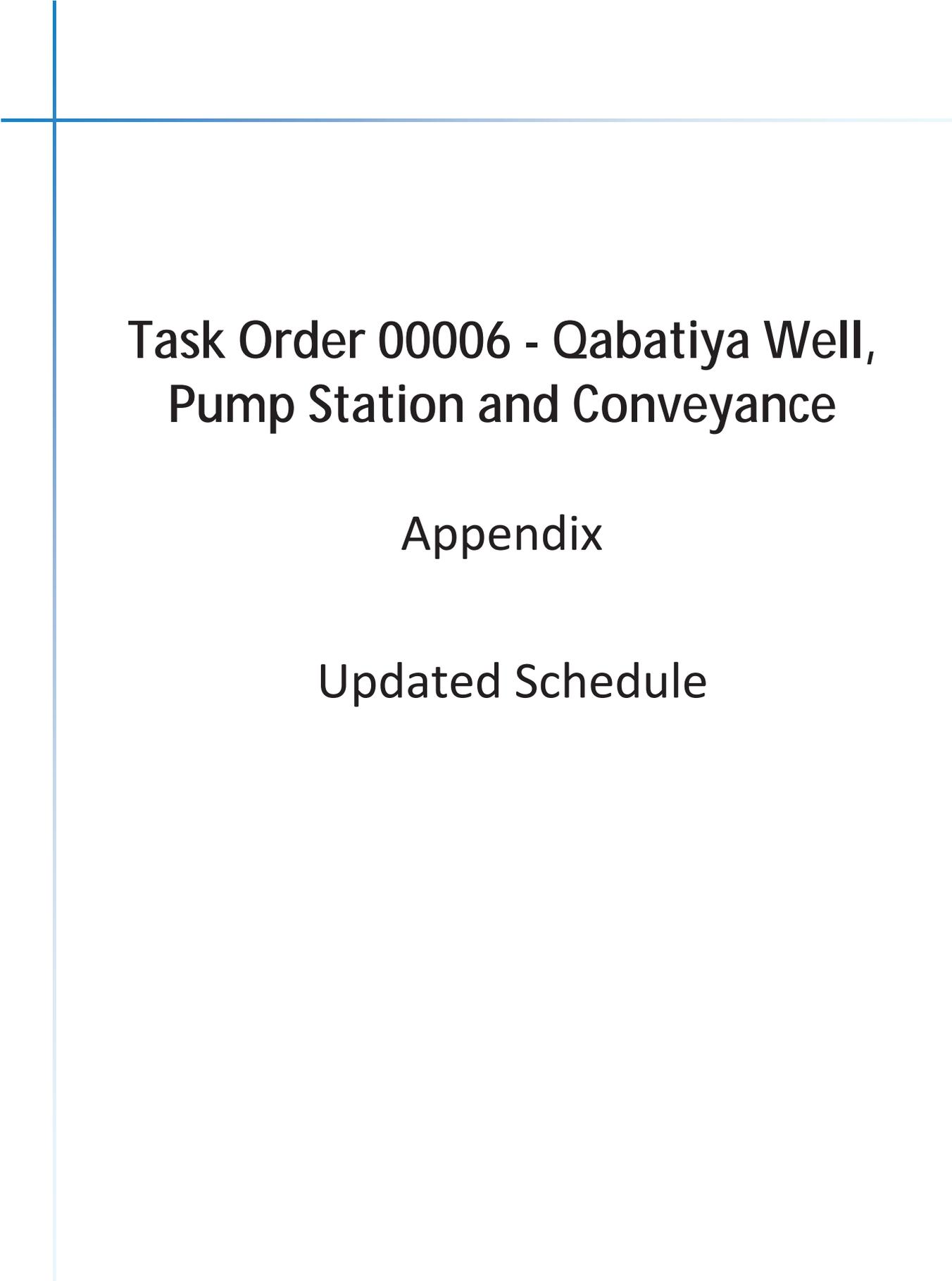
N o.		Yes/No/NA	Remarks by CMC	Date	Action by Contractor	Date	Resolved by Contractor	Date
6.D	In the event a tree is planted illegally in the ROW of the road, the tree will be removed and replanted elsewhere in coordination with the CMC and local village councils.	Yes						
7	Historical Sites							
7.A	Maximum effort and action will be taken to protect known historical sites. Protection measures will be coordinated with the Ministry of Tourism and Antiquities.	Yes						
7.B	Upon discovery of an historical/cultural site, construction operations will be halted immediately. The Ministry of Tourism and Antiquities will be contacted to evaluate the discovery.	Yes						
7.C	Resume construction operation upon determination by the Ministry of Tourism and Antiquities of the discovered site. Proceed upon approval of CMC and the Palestinian authorities.	Yes						
8	Biodiversity Conservation							
8.A	Protection of adjacent fertile agricultural land and wild life will be maintained by limiting the construction operations to the designated road ROW.	NA						
8.B	Minimize the noise and dust levels to preserve wild life existent along the road areas.	NA						
9	Material Extraction							
9.A	Utilize materials that meet the project specification from local cuts that produce durable aggregate for both stabilization and erosion control.	Yes						
9.B	Keep photographic record of existing conditions to restore site(s) to original characteristics and conditions.	Yes						
9.C	Develop a Construction Risk Management Program (CRMP) including video recording of road and adjacent areas and restore affected areas to original conditions.	Yes						
9.D	Stockpile and sort excavated materials and reuse for restoration and reshaping of areas along the ROW.	NA						
10	Filling							
10.A	In areas where extensive excavation and filling are carried out, temporary earth bunds should be built. Sand bags may be used to confine the runoff or wastewater generated from the construction activities	NA						
10.B	Excavation works should be minimized in rainy season.	NA						
10.C	Open stockpiles of construction materials and dusty materials should be covered with tarpaulin during rainstorms. These materials should not be placed near the stream courses. This avoids the release of materials into the stream water.	Yes						
10.D	The process of trench and hole digging should be in short sections. Trenches and holes should be immediately back-filled after the completion of a section of works to minimize the inflow of rainwater during rainstorms.	NA						
10.E	The channel system (if necessary) to collect the runoffs in the construction sites should be well designed prior to the commencement of the site formation works.	NA						
10.F	Provisions of drains at the lowest points of the sites could effectively collect the runoff. Site and sand traps, which remove large soil particles in the runoffs, should be provided in the channels. Regular maintenance and cleaning of the channels would ensure that the channel system is in good condition and is not obstructed by sediments.	NA						
10.G	Wastewater generated from the vehicle wheel washing facilities should be recycled wherever practicable.	NA						
11	Utility Services							
11.A	Noisy/disruptive operations to be stationed away from surrounding public/private structures	Yes						
11.B	Soil erosion and other measures as necessary to be implemented to protect adjacent land(s) from effects of construction.	NA						
11.C	Coordinate possible disruption to existing utilities with local authorities. Relocate utilities if necessary prior to starting of construction to minimize disruption.	NA						
11.D	Public underground infrastructure such as sewer, manholes etc. will be located in the immediate vicinity of the site burlap to protect from possible construction effects.	NA						
11.E	Direct heavy construction traffic away from possible shallow sewer, water & other possible underground lines.	Yes						
11.F	When using cranes, a clear path to be determined by the project manager to avoid possible damage to overhead lines.	Yes						
11.G	Stumps, Spoils, Debris and Other Materials Clean up the stump resulting from road construction. Contractor to keep construction area at site and surrounding areas in a neat clean condition and free from any accumulation of Rubbish.	NA						
11.H	If a material is to be disposed of on-site, such material will be covered with fill and topsoil.	NA						

N o.		Yes/No/ NA	Remarks by CMC	Date	Action by Contractor	Date	Resolved by Contractor	Date
11.I	Provide approved designated protected areas for storage of spoil material, such as asphalt and concrete. Measures to be taken for the removal of waste materials to the approved disposal sites. Waste materials not to be burned. Disposal of excavated materials, particularly existing Asphalt shall be environmentally friendly.	Yes						
12	Site-Specific Concerns:							
12.a	Contractor shall close the Environmental issues mentioned above before the end of the month, delaying issues from one month to the next month will increase the environmental effects on the construction site.							
12.b	Contractor shall increase the efforts to follow safety regulations on site.							
12.c								
12.d								

CMC representative:

Murad Daoud

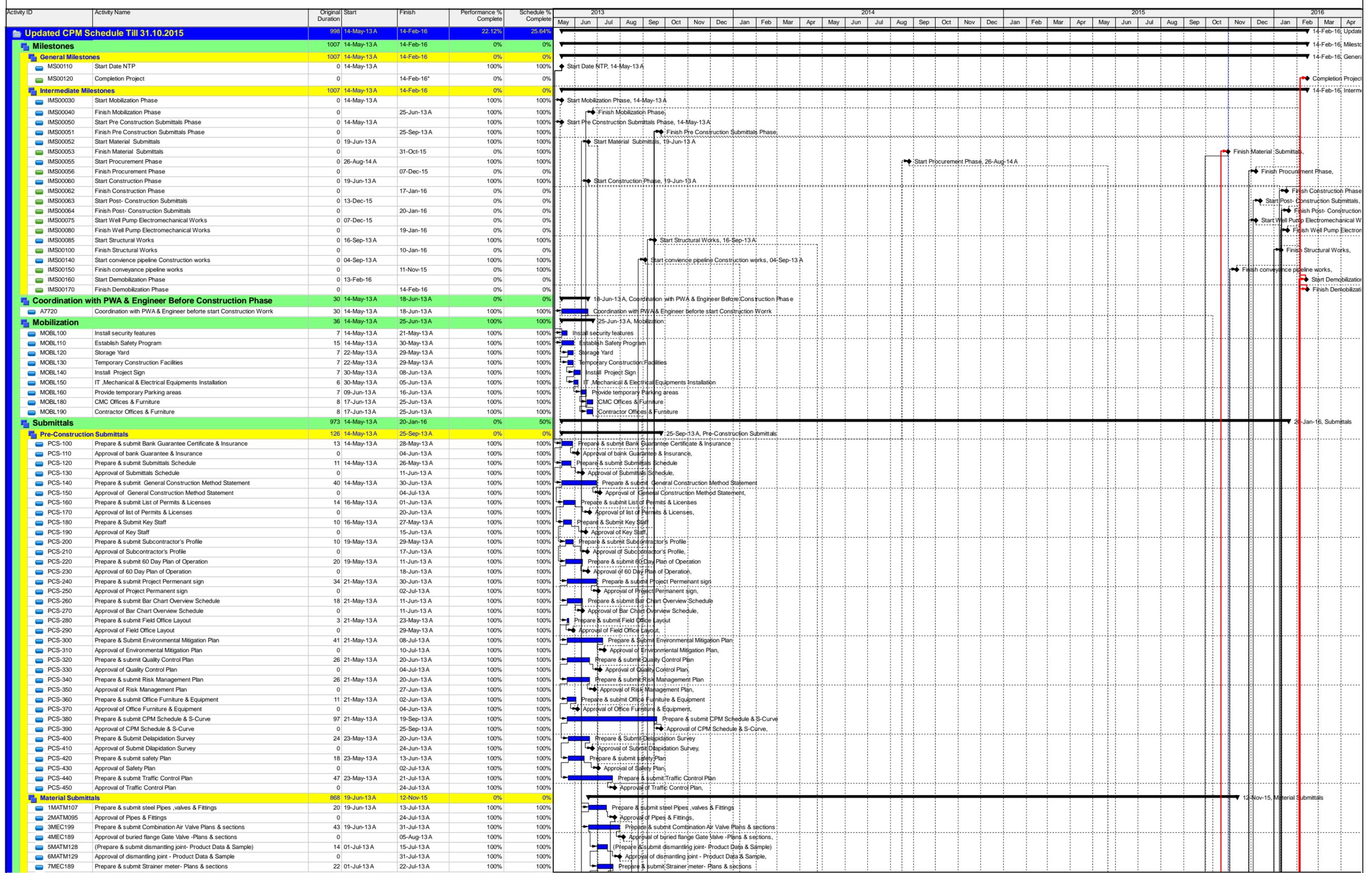
Contractor representative:



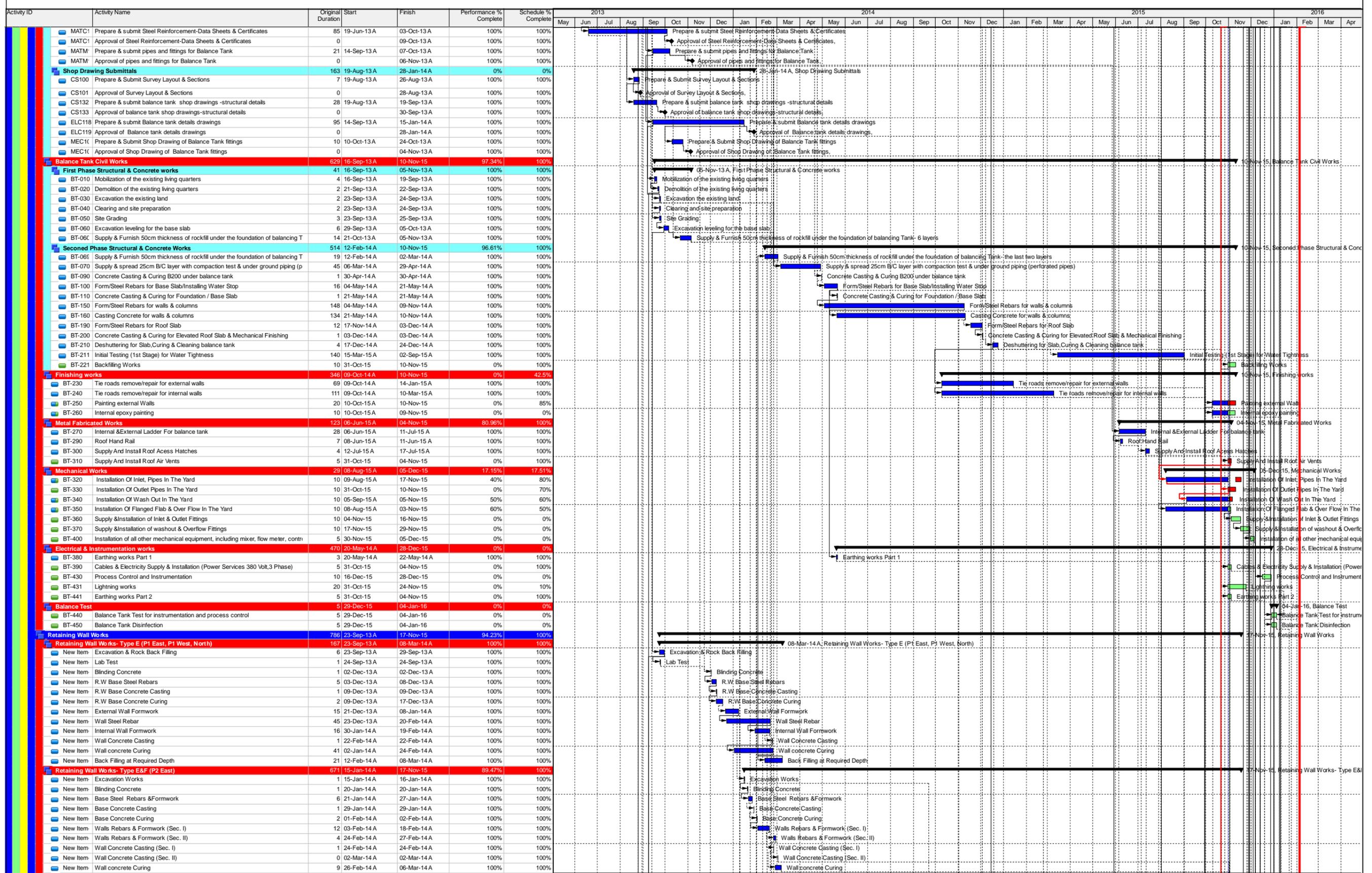
Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Updated Schedule



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



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

Activity ID	Activity Name	Original Duration	Start	Finish	Performance % Complete	Schedule % Complete	2013												2014												2015												2016			
							May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr				
Construction of 250mm Pipe		350	02-Feb-14 A	12-Aug-14 A	100%	100%																																								
CP1470	Trench Excavation	4	02-Feb-14 A	06-Feb-14 A	100%	100%																																								
CP1480	Bedding	4	02-Feb-14 A	06-Feb-14 A	100%	100%																																								
CP1485	Steel Pipes laying & welding	4	02-Feb-14 A	06-Feb-14 A	100%	100%																																								
CP1490	Chambers Installation Works	226	29-Jun-14 A	12-Aug-14 A	100%	100%																																								
Finishing Work		136	14-Aug-14 A	01-Feb-15 A	100%	100%																																								
CP1689	Backfilling & Compaction	1	14-Aug-14 A	15-Aug-14 A	100%	100%																																								
CP1690	Restoration, Cleaning, Washing	24	30-Dec-14 A	01-Feb-15 A	100%	100%																																								
From Sta.2+000 to Sta 2+500 Conveyance Pipe & Chamber Installation		341	11-Feb-14 A	01-Feb-15 A	100%	100%																																								
Construction of 250mm Pipe		341	11-Feb-14 A	14-Aug-14 A	100%	100%																																								
CP1510	Trench Excavation	7	11-Feb-14 A	19-Feb-14 A	100%	100%																																								
CP1520	Bedding	7	11-Feb-14 A	19-Feb-14 A	100%	100%																																								
CP1525	Steel Pipes laying & welding	7	11-Feb-14 A	19-Feb-14 A	100%	100%																																								
CP1530	Chambers Installation Works	226	29-Jun-14 A	14-Aug-14 A	100%	100%																																								
Finishing Work		135	15-Aug-14 A	01-Feb-15 A	100%	100%																																								
CP1719	Backfilling & Compaction	1	15-Aug-14 A	16-Aug-14 A	100%	100%																																								
CP1720	Restoration, Cleaning, Washing	24	30-Dec-14 A	01-Feb-15 A	100%	100%																																								
From Sta.1+500 to Sta 2+000 Conveyance Pipe & Chamber Installation		344	19-Feb-14 A	01-Feb-15 A	100%	100%																																								
Construction of 250mm Pipe		344	19-Feb-14 A	16-Aug-14 A	100%	100%																																								
CP1640	Trench Excavation	4	20-Feb-14 A	24-Feb-14 A	100%	100%																																								
CP1650	Bedding	6	19-Feb-14 A	25-Feb-14 A	100%	100%																																								
CP1651	Steel Pipes laying & welding	6	19-Feb-14 A	25-Feb-14 A	100%	100%																																								
CP1660	Chambers Installation Works	234	30-Jun-14 A	16-Aug-14 A	100%	100%																																								
Finishing Work		134	17-Aug-14 A	01-Feb-15 A	100%	100%																																								
CP1749	Backfilling & Compaction	1	17-Aug-14 A	17-Aug-14 A	100%	100%																																								
CP1750	Restoration, Cleaning, Washing	24	30-Dec-14 A	01-Feb-15 A	100%	100%																																								
From Sta.1+000 to Sta 1+500 Conveyance Pipe & Chamber Installation		331	25-Feb-14 A	01-Feb-15 A	100%	100%																																								
Construction of 250mm Pipe		331	25-Feb-14 A	04-Sep-14 A	100%	100%																																								
CP1010	Trench Excavation	9	25-Feb-14 A	06-Mar-14 A	100%	100%																																								
CP1020	Bedding	9	25-Feb-14 A	06-Mar-14 A	100%	100%																																								
CP1021	Steel Pipes laying & welding	9	25-Feb-14 A	06-Mar-14 A	100%	100%																																								
CP1030	Chambers Installation Works	226	30-Jun-14 A	04-Sep-14 A	100%	100%																																								
Finishing Work		133	18-Aug-14 A	01-Feb-15 A	100%	100%																																								
CP1760	Backfilling & Compaction	1	18-Aug-14 A	18-Aug-14 A	100%	100%																																								
CP1780	Restoration, Cleaning, Washing	24	30-Dec-14 A	01-Feb-15 A	100%	100%																																								
From Sta.0+500 to Sta 1+000 Conveyance Pipe & Chamber Installation		321	03-Mar-14 A	23-Feb-15 A	100%	100%																																								
Construction of 250mm Pipe		321	03-Mar-14 A	18-Aug-14 A	100%	100%																																								
CP1060	Trench Excavation	4	03-Mar-14 A	06-Mar-14 A	100%	100%																																								
CP1070	Bedding	4	03-Mar-14 A	06-Mar-14 A	100%	100%																																								
CP1075	Steel Pipes laying & welding	4	03-Mar-14 A	06-Mar-14 A	100%	100%																																								
CP1080	Chambers Installation Works	219	02-Jul-14 A	18-Aug-14 A	100%	100%																																								
Finishing Work		147	19-Aug-14 A	23-Feb-15 A	100%	100%																																								
CP1806	Backfilling & Compaction	1	19-Aug-14 A	19-Aug-14 A	100%	100%																																								
CP1810	Restoration, Cleaning, Washing	39	30-Dec-14 A	23-Feb-15 A	100%	100%																																								
From Sta.0+000 to Sta 0+ 500 Conveyance Pipe & Chamber Installation		327	06-Mar-14 A	23-Feb-15 A	100%	100%																																								
Construction of 250mm Pipe		327	06-Mar-14 A	04-Sep-14 A	100%	100%																																								
CP1570	Trench Excavation	12	06-Mar-14 A	22-Mar-14 A	100%	100%																																								
CP1580	Bedding	12	06-Mar-14 A	22-Mar-14 A	100%	100%																																								
CP1585	Steel Pipes laying & welding	12	06-Mar-14 A	22-Mar-14 A	100%	100%																																								
CP1590	Chambers Installation Works	223	09-Jul-14 A	04-Sep-14 A	100%	100%																																								
Finishing Work		147	19-Aug-14 A	23-Feb-15 A	100%	100%																																								
CP1839	Backfilling & Compaction	1	19-Aug-14 A	19-Aug-14 A	100%	100%																																								
CP1840	Restoration, Cleaning, Washing	39	30-Dec-14 A	23-Feb-15 A	100%	100%																																								
Final conveyance system connection works		261	23-Feb-15 A	10-Nov-15	0%	0%																																								
A7769	Construction of Washout outfalls	5	31-Oct-15	04-Nov-15	0%	100%																																								
A7770	CMC Inspection for all chambers	5	05-Nov-15	10-Nov-15	0%	100%																																								
CP1849	Hydraulic and Pressure Test from Sta. 0+000- Sta.3+620	2	23-Feb-15 A	24-Feb-15 A	100%	100%																																								
CP1859	Connection of manholes with the transmission pipeline	5	31-Oct-15	04-Nov-15	0%	100%																																								
Asphalt work of Qabatiya conveyance Pipe		503	25-Feb-14 A	10-Nov-15	93.31%	100%																																								
CP1100	Reinstatement & Asphalting Over Trench from Sta 0+000 to Sta 3+620	32	25-Feb-14 A	02-Apr-14 A	100%	100%																																								
CP1890	Finishing remaining segments of Asphalting works Over the chambers	10	31-Oct-15	10-Nov-15	0%	100%																																								
Post Construction Phase		15	31-Jan-16	14-Feb-16	0%	0%																																								
A6775	Testing and commissioning	15	31-Jan-16	14-Feb-16*	0%	0%																																								
A6776	Punch list and site handing over	10	03-Feb-16	14-Feb-16	0%	0%																																								
A6778	Demobilization from site & close out Project	2	13-Feb-16	14-Feb-16*	0%	0%																																								

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