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**WEST BANK/GAZA**

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

## **Monthly Progress Report # 25**

**For the Month of June 2015**

*This publication was produced for the United States Agency for International Development, West Bank and Gaza Mission. It was prepared by CDM Smith under Contract No.: IQC No. AID-294-I-00-12-00001, Relative to Order No.AID-294-TO-13-00006.*

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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.25 covers activities accomplished during the month of June 2015 and previews activities anticipated during the next month, July 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	62%	<u>14 May 2013</u> 14 May 2013	<u>15 January 2016</u> TBD
Procurement and Delivery	20%	<u>26 August 2013</u> 26 August 2013	<u>24 December 2015</u> TBD
Construction Phase	14.73%	<u>19 June 2013</u> 19 June 2013	<u>31 January 2016</u> TBD
Post Construction Phase	0%	<u>15 January 2016</u> TBD	<u>3 February 2016</u> TBD



## 1.4 Key Information

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

## 2. PROJECT ADMINISTRATION

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

### 2.1. Submission of Most Recent Monthly Report

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

### 2.2. Submission of Most Recent Invoices

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

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



### 2.3. Staff Information

At the end of this reporting period, 30<sup>th</sup> June 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
Mohammad Bilbeisi	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 Mobilized to the West Bank to join CDM Smith team to support and expedite the engineering analysis and pricing the variation orders and helping in preparing the procurement documents for the project. Ms. O’Connell 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 concrete surface preparation works for the internal and



external walls of the balance tank and the baffle walls are continued for both western and eastern compartments. The performed water tightness test of the balance tank failed, and accordingly the repairing procedure for the leak areas is in progress. The construction works for the foundations & the Slab on grade of the disinfection building are ready.

Along the conveyance system, the plan for the partial handing over is approved by the CMC.

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:
  - Monthly QA/QC and Safety Plans Updates for June 2015;
  - Volume 2 of 2: Preliminary O&M Manual for Qabatiya Conveyance System (Electro Magnetic Flow Meter);
  - Updated Risk Management Plan for June 2015;
  - Analytical report for the Chlorine concentration in water for the conveyance system;
  - Polyethylene Tanks;
  - Local Maintenance Facility Qualification –for Qabatiya Booster Pumps;
  - Revised Mechanical Shop Drawing for the Disinfection Building;
  - Volume 1 of 2: Preliminary O&M Manual for Qabatiya Conveyance System;
  - Surge Bladder Control Tank;
  - Safety Plan for the Working at Night During Ramadan;
  - Test reports on concrete block for walls :
    1. Report Ref. No. M/1506/223 for 40x20x10 cm block,
    2. Report Ref. No. M/1506/224 for 40x20x20 cm block.;
  - Test report on concrete compressive strength for the roof slab of the living quarter building - (28-day result). Ref: M/1505/592a;
  - Mill Tests for Cement;
  - Medium Voltage Switchgear – Drawings and Technical List;
  - Mechanical Shop Drawings for Scupper Drain at Electrical Metering Building;
  - Backflow Preventer – BFP-525;
  - Welding Visual Inspection Report for three welders as per approved WPS;
  - Structural Shop Drawing for Electrical Metering Building Based on Modification #1;
  - Qabatiya well pump station – Revised Site Layout based on CMC's response to RFI-102;
  - Electrical Shop Drawing For Electrical Metering Building;
  - Test Report on Concrete Compressive Strength for walls of the living quarter (28-Day Result). Ref: M/1505/173a;
  - Initial Load Flow And Short Circuit Study;
  - Concrete Block Mix Design for concrete block (ref. M/1506/2) and test report for concrete block for walls (40x10x20 cm and 40x20x20 cm) – Ref. M/1506/60, M/1506/61);
  - Shop drawing for structural details of booster station;
  - Architectural Shop Drawings for Living Quarter (Tiling);



- Updated CPM Construction Schedule (up to May 31, 2015);
- LV Motor Control Center;
- Construction Method Statement for Temporary Connection Between the Existing 6" Steel Pipeline at QBW Station And The Newly Installed 10" Steel Pipeline;
- Test Report on Concrete Compressive Strength for Parapet Walls of the Living Quarter- (7-Day Result). Ref:M/1505/365;
- Cement Mortar Mix Design for Plastering, Tiling & Masonry;
- Monthly QA/QC and Safety Plans Updates for May 2015;
- Updated Risk Management Plan for May 2015;
- Monthly update for Environmental Monitoring and Mitigation Plan for May 2015;
- Welders' Qualifications (Alternative);
- Updated Submittal Registry up to May 31, 2015;
- Test report on concrete compressive strength for the roof slab of the living quarter building - (07-day result). Ref: M/1505/292;
- Protective Device Studies Qualifications (alternative);
- Sample of information plate for pipe markers on transmission mains - resubmission;
- Emergency drench shower with stainless steel eyewash inside the disinfection building resubmission;
- Method statement of finishing works for Qabatiya Well Station buildings - resubmission;
- Sample for polystyrene sheet (30mm thickness) for insulation purposes - resubmission;
- Shop drawing for electro-mechanical installation of the eyewash inside the disinfection building –resubmission;
- Method statement for leakage repair for the balance tank - resubmission;
- Manufacturer's Profile & Material Properties of Concrete Block - resubmission;
- Manufacturers Certification and material sample for Terazzo Tiles - resubmission;
- Mechanical Shop Drawings for Yard Piping at Qabatiya Pump Station - resubmission;
- Partial Hand over plan for Qabatiya Conveyance system - resubmission;
- Fiberglass Reinforcement Mesh - resubmission;
- Structural shop drawing for the remaining walls of types F southern part - resubmission;

## 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 10364.88

The total cumulative generated Man-Days current period 379.63

The total cumulative generated Man-Days up to date are 10744.51

Female employment generated previously 509

Female employment generated current period 22.75

Female employment generated up to date is 531.75



The total cumulative previously 10,873.88

The total cumulative current period 402.38

The total cumulative up to date is 11276.26

### 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 conducted for this period on June 16, 2015.

## 3.4. Meetings and Correspondence with CMC and Subcontractors

- Wednesday – June 03, 2015 –
  - Technical coordination meeting with Qabatiya Municipality – Electrical Section,
  - Technical coordination meeting between BV, CDM Smith and ABC.
- Thursday – June 11, 2015 – Bi-weekly meeting # 34 held at BV's primary field office followed by conference call with CDM Smith – USA office in the presence of USAID and BV.
- Sunday – June 14, 2015 – Technical coordination meeting with BV regarding some VOR's.
- Monday – June 15, 2015 – Technical coordination meeting with BV in the presence of ABC.
- Monday – June 08, 2015 – Technical coordination meeting with BV related to O&M manuals Tuesday – June 16, 2015 – CO meeting was held with BV and USAID.
- Thursday – June 25, 2015 – Bi-weekly meeting # 35 held at BV's primary field office.
- Tuesday – June 30, 2015 – Technical coordination meeting between BV, CDM Smith, ABC and Akram Salah of IC Systems to discuss the training requirements.

## 3.5. Procurement/Subcontract Actions

- The subcontract that has been awarded to Site Group Company for the development of Qabatiya Well has kept open until the delivery of the Well Pump where Site Group shall be responsible for fishing of the missing pump and the installation of the Well Pump upon delivery of the pump by the pump supplier. The second subcontract to Arab Brothers Contracting Co. for the installation of the



conveyance system and construct all civil, mechanical and electrical works related to Qabatiya Well Site has been amended to include the VO's received from USAID.

- A subcontract has been awarded to MOREX 71 LTD. – Institute for Non-Destructive Testing to do all the required Radiographic testing for this project.
- Purchase Orders was issued for the well pumping system, the transformer, Booster pumps VFDs, Medium Voltage Switchgear, column pipes, control valves and will be issued soon for the remaining major electrical/ mechanical equipment after finalizing the required submittals and getting the required approvals.

### 3.6. Quality Control

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

During the reporting period the CDM Smith's Quality Control Manager made sure that all concrete delivered to the construction site (for the construction of the slab-on-grade for the disinfection building) is in full compliance with contract's documents and specifications. During this reporting period CDM Smith's QC/QA Manager coordinated a site visit by HC lab technician to collect the required concrete samples and perform the required tests for the concrete delivered to construct the slab-on-grade of the disinfection building.

On June 01, 2015, CDM Smith QC/QA Manager visited Al-Fara'a Block Factory along with HCL technician in order to prepare the hollow block concrete mix design. On June, 18 2015 samples of delivered hollow concrete blocks of dimensions 20x20x40 and 20x10x40 were collected by HCL technician in the presence of CDM Smith QC/QA Manager.

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 .

Once CDM Smith and the subcontractor ABC are ready to proceed with disinfection activities, CDM Smith safety engineer had followed up step by step those activities in order to overcome that in a safe condition.

CDM smith's safety engineer held training session for the staff by reviewing PPE and how to secure the working zone along the conveyance system chlorination dosing area. Moreover, more steel barriers are installed all around dosing point area to ensure that non-authorized personnel will enter the working area.



The following steps were considered and put in immediate operation during chlorination dosing activities:

1. An officer is assigned to inform the citizens to be away from the dosing point for their own safety;
2. Equipment's drivers (operators) were strictly instructed to monitor their vehicles' route and movement during the work to make sure that the movement of their equipment is free from any personnel/worker/passers.

CDM smith's safety engineer confirmed to all staff to adhere the safety precautions as well as the safety procedures according to the conveyance system chlorination safety plan.

CDM smith's safety Engineer had prepared Safety Plan for Working at Night during Ramadan Month at Qabatiya well pump station. The plan was approved with comments. CDM Smith and Subcontractor ABC had considering all CMC comments as CDM Smith has a good experience for all requirements needed to work with safe condition. Before year ago CDM Smith work with Sub contractor Site group during continuous 72 hours in constant pump test. The work activities were achieved smoothly in safe manner. Therefore CDM smith's safety Engineer conducted Toolbox meeting on June 24, 2015 explained to the night shift labors the working area and restricted areas and, the important of wearing the PPE and How to do in emergency cases and the location of contact emergency numbers.

CDM smith's safety engineer has reviewing to the labors the safe procedure during Ramadan month and the important of working when they are not tired and how they act once they feeling fatigue.

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

Working when feeling fatigue = may lead to serious injury or illness.

Lesson learned 2

Reviewing and reminding the labors with the correct procedures in case of emergencies = assists in early and safe return to work.

Lesson learned 3



TIDY SITE = SAFE SITE

Lesson learned 4

Specific training on how to do your particular job safely = prevents or minimizes injury or illness.

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

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

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

### 3.8. Public Relations

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

### 3.9. Project Permitting & Security

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

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

## 4. SCHEDULE

### 4.1. Progress vs. Planned

Updated CPM Schedule till end of June 2015 attached. Below is a summary for the project percentages of completion.

Performance % Complete =	19.63 %
Schedule % Complete=	25.87 %
Float =	-60 Days



## 5. OUTLOOK FOR NEXT REPORTING PERIOD

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

### 5.1. Planned Submission of Next Invoices

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

### 5.2. Planned Activities Anticipated During July 2015

The following activities are anticipated to be submitted, constructed or implemented during July 2015:

- Start excavation and construction of the electrical buildings.
- Continue the finishing works of the living quarter building. Continue submitting all required shop-drawings, submittals and requests to allow proceeding with the works at the well site.
- Continue conducting the water tightness test for the balancing tank.
- 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.

### 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 July, 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). Leakage test of the BT.

## 6.4 Others

No other issues at this time.

# 7 APPENDIX

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

END OF REPORT

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

## **Appendix**

### **Task Order 00006 Photos**



HCL technician collecting material samples from Al-Far'aa concrete block factory , 01 June 2015



Curing for the parapet walls of the living quarter by water sprinkling , 02 June 2015



Measuring water level inside the pit of BT's western compartment as a procedure of leakage testing, 03 June 2015



Installation of stainless steel ladder inside the western compartment of the balance tank, 07 June 2015



Installation of stainless steel handrail on the roof slab of the balance tank, 08 June 2015



Installation of stainless steel external access ladder to the roof slab of the balance tank , 09 June 2015



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Installation of access hatches for the balance tank 10 June 2015



Bi-weekly progress meeting between USAID, CMC and CDM Smith, 11 June 2015



Casting concrete around access hatches of the balance tank, 11 June 2015



Surface preparation works for living quarter walls prior to block construction, 14 June 2015



Concrete block construction works inside the living quarter, 14 June 2015



Filling the pipeline with chlorinated water for the purpose of disinfection, 15 June 2015



06/15/2015 12:33

Concrete block construction works inside the living quarter , 15 June 2015



06/15/2015 14:53

Cleaning works inside the balance tank prior to starting repair works , 15 June 2015



06/18/2015 11:08

Installation of coping stone on top of parapet walls of the living quarter , 18 June 2015



21/06/2015

Concrete repair works inside the balance tank , 21 June 2015



22/06/2015 09:09

Installation of electrical conduits pipes below the SOG of the disinfection building, 22 June 2015



24/06/2015 13:47

Safety toolbox meeting at Qabatiya Pump Station, 24 June 2015



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Bi-weekly progress meeting between CMC and CDM Smith ,25 June 2015



Block construction and installation of thermal isolation sheets for living quarter's walls ,27 June 2015



Applying vapor barrier sheets and installation of steel reinforcement for SOG of the disinfection building , 27 June 2015



Casting concrete for the slab-on-grade of the disinfection building , 27 June 2015



HCL technician collecting concrete samples for compressive test, 27 June 2015



HCL technician performing slump test for delivered concrete, 27 June 2015



Casting concrete for the slab-on-grade of the disinfection building , 27 June 2015



Curing for the concrete of Disinfection building's SOG by water sprinkling , 28 June 2015



Electrical conduit installation works at the walls of the disinfection building , 28 June 2015



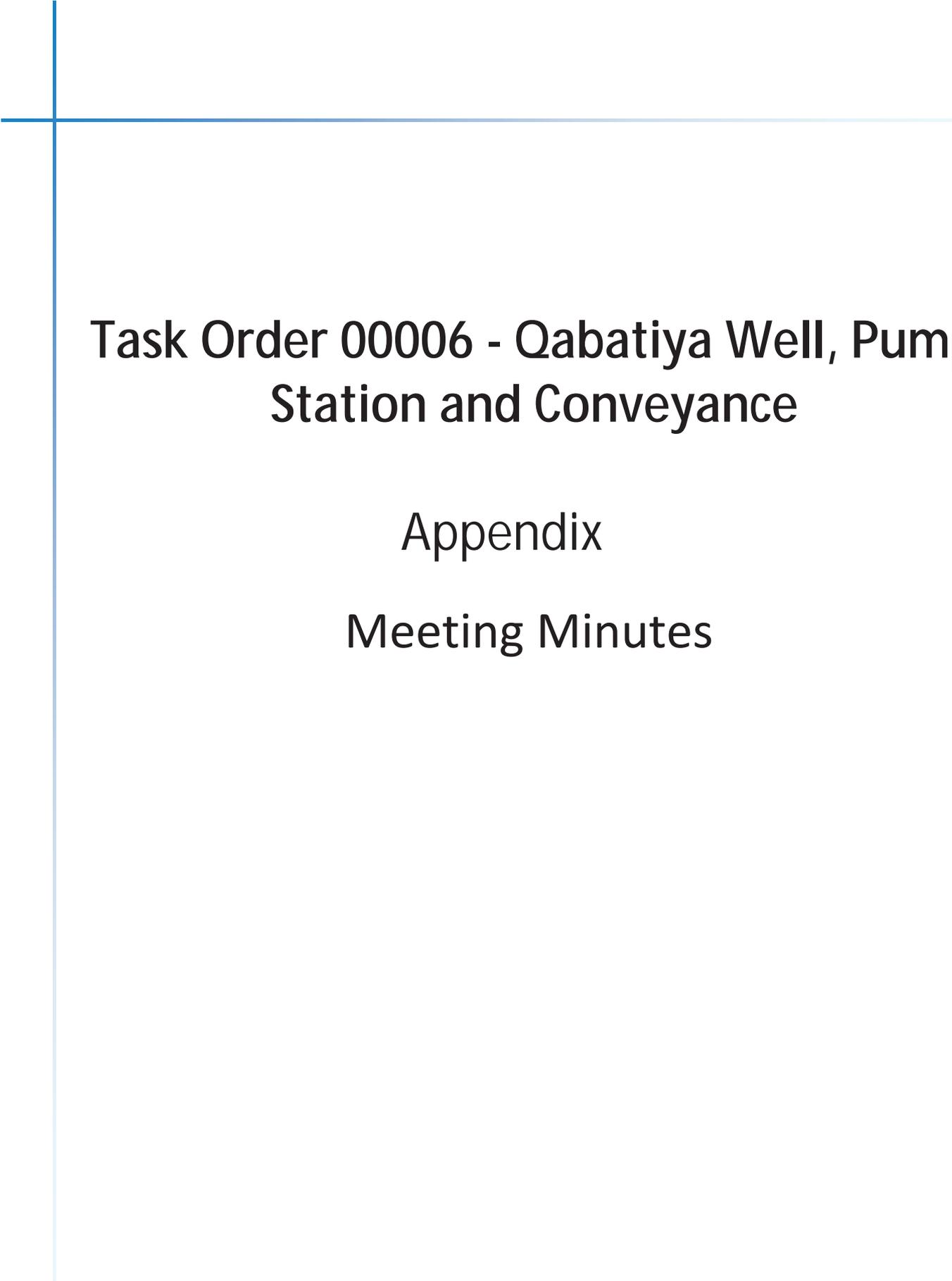
Electrical conduit installation works at the walls of the disinfection building , 29 June 2015



Steel reinforcement works for the walls of the disinfection building, 30 June 2015



Mechanical and electrical works at the walls of disinfection building , 30 June 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 #34**

**Date:**

Thursday; June 11, 2015

**Timing:**

01:00 PM – 02:00 PM

**Location:**

Primary Field Office  
Al Zababida, Palestine

**Attendees:**

**PWA/WBWD**

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**USAID**

Mr. Anan Masri

**Black and Veatch**

Mr. Adnan Safi  
Mr. Mukhles Najajreh  
Mr. Murad Daoud  
Mr. Mohamad Al-Sa'adi  
Ms. Lubna Haj Hamad  
Mr. Tamer Assaf

**CDM Smith and Subcontractors**

Mr. Ghassan Thaher  
Mr. Talal Mahasin  
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. **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 785 Days (76.10%)
- Project Planned Overall % of Completion 22.88%
- Project Actual Overall % of Completion 19.44%
- Total Float (Variance Duration) -73 Days

**2. Documents distributed at this meeting:**

- Copy of Progress Meeting Agenda #34.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.

**3. Documents Attached:**

- Progress Meeting Agenda #34.
- Attendees List.
- Two Weeks Look Ahead by CDM Smith.
- Equipment Procurement Schedule.

**4. Next Meeting is scheduled at 11:00 AM on Thursday, June 25, 2015 at Al Zababida, Palestine.**



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#29	<p><b>1.1 Housekeeping.</b></p> <p>BV reminded CDM Smith that housekeeping shall be maintained all times to avoid injuries. Furthermore, BV reminded CDM Smith that all delivered materials shall be stored in the accepted storage areas.</p>	CDM Smith	All Times
	New	<p><b>1.2 Toolbox Meetings</b></p> <p>BV requested that CDM Smith shall carry out at least 4 toolbox meeting per month and reminded that toolbox meetings are required for new workers and/or new activities.</p>	CDM Smith	All Times
	PM#34	<p><b>1.3 Asbestos Sheets</b></p> <p>CDM Smith advised that they have contacted Ministry of Environmental Affairs and obtained their initial approval for asbestos sheets' disposal.</p> <p>CDM Smith further stated that they will send a letter to the ministry proposing the disposal in Zahrat Al-Finjan dumping site in Southern Jenin.</p>	Info CDM Smith	ASAP
2	New	<p><b>Quality.</b></p> <p><b>2.1 Operation and Maintenance Manual.</b></p> <p>BV advised that a meeting with CDM Smith and Subcontractors was held on June 08, 2015 to discuss O&amp;M requirement as per contract documents. Furthermore, BV emphasized on the importance of the preliminary O&amp;M submission as per contract documents. Moreover, CDM Smith shall obtain the acceptance of the submitted preliminary O&amp;M from CMC prior to shipment or delivery to site.</p> <p>In addition, BV urged CDM Smith to expedite the submission of the O&amp;M manual and inquired the submission dates for the Conveyance system O&amp;M.</p> <p>CDM Smith advised that the first volume will be submitted by June 18, 2015.</p>	Info Info CDM Smith CDM Smith	ASAP Jun 18, 2015



	<b>New</b>	<p><b>2.2 Training Plan and Documentation.</b></p> <p>BV reminded CDM Smith to submit a comprehensive training plan showing the estimated training period and dates as per contract documents.</p> <p>Moreover; BV requested from CDM Smith to exert more efforts to submit the training outlines for each category - especially for conveyance system - in order to allow WBWD representatives to select and define the appropriate and exact number of trainees for each category to accelerate the vetting process.</p>	<p><b>CDM Smith</b></p> <p><b>ASAP</b></p> <p><b>CDM Smith</b></p> <p><b>ASAP</b></p>	
<b>3</b>	<b>PM #01</b>	<p><b><u>Progress of Work.</u></b></p> <p><b>3.1 Progress Summary by CDM Smith.</b></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 construction for metal works of the balance tank are ongoing.</p>	<b>Info</b>	
	<b>PM#01</b>	<p><b>3.2 Two Weeks Look Ahead.</b></p> <p>CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).</p> <p>CDM Smith noted that a walkthrough with all partners (PWA/WBWD, BV, CDM Smith &amp; Subcontractor) along the conveyance system will be conducted next week to check on incomplete works.</p> <p>BV advised that a VO will be issued after fulfillment of handing over technicalities, O&amp;M, trainings and testing.</p>	<p><b>Info</b></p> <p><b>Info</b></p> <p><b>Info</b></p>	
	<b>PM #32</b>	<p><b>3.3 Long Lead Items.</b></p> <p>USAID inquired the status of long lead items</p> <p>CDM Smith noted that all long lead items are submitted as per the attached equipment procurement schedule except for MTS and PLC system.</p> <p>BV requested from CDM Smith to update and submit the Equipment Procurement Schedule every two weeks to CMC's review and feedback.</p>	<p><b>Info</b></p> <p><b>Info</b></p> <p><b>CDM Smith</b></p>	<b>All Times</b>
	<b>New</b>	<p><b>3.4 Negative Floats.</b></p> <p>BV advised that 68 days recorded as negative float up to date. BV raised concern with respect to the reported delays and inquired about the delay's reasons.</p> <p>CDM Smith advised that this delay is a result of long lead equipment submittals. Furthermore, CDM smith stated that the slow progress at site</p>	<p><b>Info</b></p> <p><b>Info</b></p>	



		<p>is caused by interrelation of miscellaneous project items and components that affect fast track progression.</p> <p>BV raised concerns with respect to the delays in submission procedure and requested from CDM Smith to take immediate corrective measures to accelerate the submission procedure for all required submittals and VORs to recover the delays, and further reminded CDM Smith that according to the contract requirements, the Engineer has 30 calendar days to review the submittals.</p> <p>In addition, BV stated that all needed support to accelerate this issue will be provided to CDM Smith.</p> <p>CDM Smith advised that once equipment approvals and shipments dates are clear a recovery plan will be prepared and submitted by the end of this month to CMC, and further advised that this will reduce the reported delays.</p>	<p><b>CDM Smith</b></p> <p><b>Info</b></p> <p><b>Info</b></p> <p><b>CDM Smith</b></p>	<p><b>ASAP</b></p> <p><b>Jun 30, 2015</b></p>
	<b>PM #32</b>	<p><b>3.5 Balance Tank Leakage Test.</b></p> <p>CDM Smith stated that the defect at western compartment pit is the main reason of water leakage, therefore a specific method statement for repairing activity was submitted for CMC's review and acceptance. Furthermore, CDM Smith stated that for the eastern compartment where damp spots were observed, remedy measures were taken as per submitted method statement.</p> <p>Moreover CDM Smith stated that their plan is to finalize leakage testing by the next two weeks.</p> <p>BV reminded CDM Smith to take into consideration all the requirements as per contract documents and specification 01650 and 03300.</p>	<p><b>Info</b></p> <p><b>CDM Smith</b></p> <p><b>CDM Smith</b></p>	<p><b>Jun 25, 2015</b></p> <p><b>All Times</b></p>
	<b>PM #33</b>	<p><b>3.6 Donation Numbers.</b></p> <p>USAID reminded CDM smith that donation number requests shall include all the required technical details prior submission to USAID.</p> <p>BV stated that material procurement list shall be updated to include donation number submission and approval dates.</p>	<p><b>CDM Smith</b></p> <p><b>CDM Smith</b></p>	<p><b>All Times</b></p>
4	<b>PM #26</b>	<p><u>Submittals.</u></p> <p><b>4.1 Variation Order Requests.</b></p> <p>Discussed separately in a conference call after the meeting.</p>	<p><b>Info</b></p>	
5	<b>PM #01</b>	<p><u>Financial.</u></p> <p><b>5.1 Financial</b></p> <p>No issues were reported during the meeting.</p>	<p><b>Info</b></p>	



6	PM #01	<p><b><u>Reports.</u></b></p> <p><b>6.1 Monthly Report.</b></p> <p>No issues were reported during the meeting.</p>	Info	
	PM #01	<p><b>6.2 Daily Joint Report.</b></p> <p>No issues were reported during the meeting.</p>	Info	
7	New	<p><b><u>Others.</u></b></p> <p><b>7.1 Work Plan during Ramadan.</b></p> <p>BV requested from CDM Smith to provide CMC with their work plan during Ramadan.</p> <p>CDM Smith noted that the site activities will start at 5:00 AM and end at 12:30 PM.</p>	<p>CDM Smith</p> <p>Info</p>	

**End of Minutes**

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**USAID WEST BANK/GAZA  
INFRASTRUCTURE NEEDS PROGRAM INPII  
TO 13-00006, QABATIYA WELL PROJECT (QBW)  
BI-WEEKLY PROGRESS MEETING AGENDA #34**

**Date:**

Thursday, June 11, 2015

**Timing:**

01:00 PM – 02:00 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 Housekeeping.
  - 1.2 Tool Box Meetings.
- 2. Quality.**
  - 2.1 Operation and Maintenance Manuals.
  - 2.2 Training Plan and Documents.
- 3. Progress of Work.**
  - 3.1 Progress Summary by CDM Smith.
  - 3.2 Two Weeks Look Ahead.
  - 3.3 Balance Tank Leakage Test.
- 4. Submittals.**

4.1 Required Variation Order Request.

**5. Financial.**

**6. Reports.**

6.1. Daily Joint Reports.

6.2. Monthly Reports.

**7. Others.**

7.1 Work Plan During Ramadan.

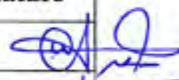
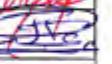
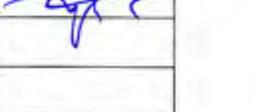
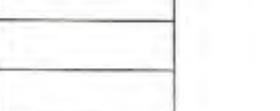
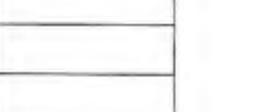
Subject: TO13-00006 QBW: Progress Meeting #34

Venue: B&amp;V Office – Az-Zababdeh

Date: June 11, 2015

Time: From 01:00 PM to 02:00 PM

## Attendees List

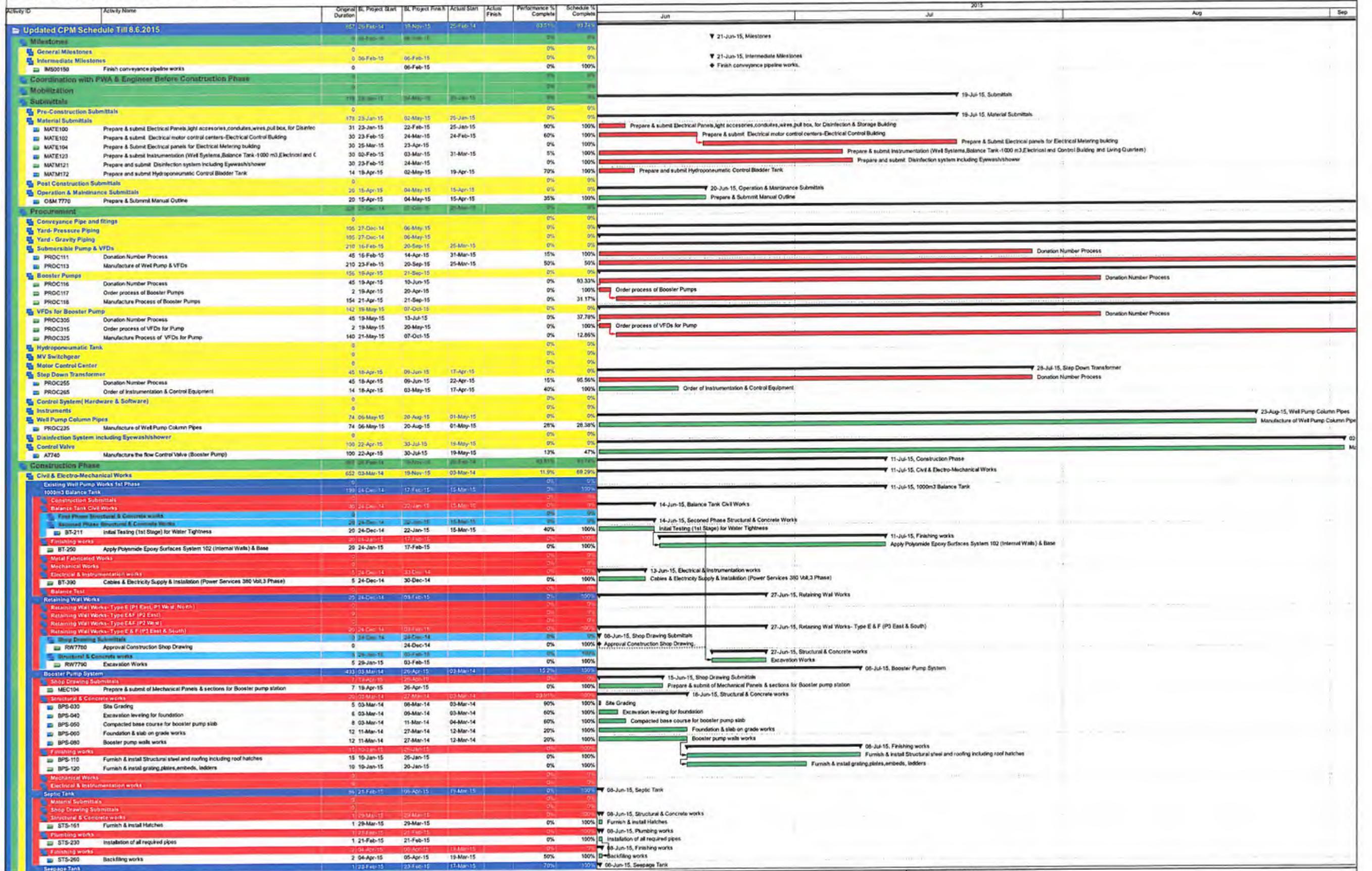
No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	T. Mahasin	QC/QA Manager	CDMSmith	0592997702	mahasin.t@cdsmith.com	
2	Abdel Rahman Bakeer	Safety Eng.	CDMSmith	0592-997700	bakeer.a@cdsmith.com	
3	Yousef Alqum	PM	ABC	0597088612	y.alqum@e-brothers.com	
4	Ghassan Tharhas	PM	CDMSmith	0592997701	ghassan.tharhas@cdsmith.com	
5	ANAN MASRI	COJ	USAID	0595545385	anmasri@usa.gov	
6	Aednan Safi	CM	BV	0568930960	Safi.A@bv.com	
7	Mukhlis Najajreh	PM	BV	0598 934 660	Najajreh.M@bv.com	
8	Lubna Haj Hamad	Sr. OF	BV	0598 934 661	Hajhamad.L@bv.com	
9	Tamer Assaf	OE	BV	0592997707	Assaf.T@bv.com	
10	Mu'eed Daoud	QA	BV	0598934662	Daoud.M@bv.com	
11	Ush. Alja'di	R-E	BV	0592 99 7713	Alja'di.M@bv.com	
12						
13						
14						
15						
16						
17						

**Date: 11<sup>th</sup> June, 2015**

**Updated CPM Schedule Till: 8<sup>th</sup> June, 2015**

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

- Planned Start Date = 14<sup>th</sup> May 2013
- Planned Finish Date = 3<sup>rd</sup> February, 2016
  
- Planned % complete = 23.57%
- Performance % complete = 19.5 %
- Float = - 68 Days



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

Activity ID	Activity Name	Original Duration	BL Project Start	BL Project Finish	Actual Start	Actual Finish	Performance % Complete	Schedule % Complete	2015	Jun	Jul	Aug	Sep
Material Submittals		0					0%	0%					
Shop Drawing Submittals		0					0%	0%					
Structural & Concrete works		0					0%	0%					
STS-341	Backfilling Works	1	23-Feb-15	23-Feb-15	17-Mar-15		70%	100%		08-Jun-15, Structural & Concrete works			
Living Quarters		112	04-Jun-15	29-Jun-15	31-Mar-15		60%	0%		Backfilling Works			
Construction Submittals		0					0%	0%		20-Jun-15, Living Quarters			
Materials Submittals		0					0%	0%		20-Jun-15, Construction Submittals			
MATARC-050	Prepare & submit Kitchen description	10	04-Jan-15	17-Jan-15			0%	100%		20-Jun-15, Materials Submittals			
MATARC-070	Prepare & submit toilet description	10	04-Jan-15	17-Jan-15			0%	100%		Prepare & submit Kitchen description			
MATE200	Approval of Electrical panels for living quarters	0					0%	100%		Prepare & submit toilet description			
MATMEC210	Prepare & submit Mechanical solar heating system, HVAC and plumbing piping and fittings	10	04-May-15	13-May-15	01-Apr-15		60%	100%		Approval of Electrical panels for living quarters			
Shop Drawing Submittals		0					0%	0%		Prepare & submit Mechanical solar heating system, HVAC and plumbing piping and fittings			
Arch180	Prepare & submit Living Quarters finishes shop drawings	20	01-Mar-15	24-Mar-15	31-Mar-15		70%	100%		14-Jun-15, Shop Drawing Submittals			
Structural & Concrete works		0					0%	0%		Prepare & submit Living Quarters finishes shop drawings			
Finishing works		0					0%	0%					
Electromechanical works		7	23-Jun-15	29-Jun-15	13-Apr-15		60%	0%		12-Jun-15, Electromechanical works			
LGB-181	plumbing equipment and piping & installation of Split system air conditioning unit	7	23-Jun-15	29-Jun-15	13-Apr-15		60%	0%		plumbing equipment and piping & installation of Split system air conditioning unit			
Disinfection Building		200	10-Mar-15	19-Nov-15	10-Mar-15		12.17%	22.71%		13-Jun-15, Construction Submittals			
Construction Submittals		0					0%	0%		13-Jun-15, Materials Submittals			
Materials Submittals		10	10-Mar-15	21-Mar-15	10-Mar-15		50%	100%		Prepare & submit pipes & fittings of Disinfection Building			
MATM106	Prepare & submit pipes & fittings of Disinfection Building	10	10-Mar-15	21-Mar-15	10-Mar-15		50%	100%		11-Jun-15, Shop Drawing Submittals			
Shop Drawing Submittals		0					0%	0%		Prepare & submit Disinfection Building finishes			
ARC126	Prepare & submit Disinfection Building finishes	10	11-Apr-15	21-Apr-15	01-Apr-15		60%	100%		Prepare & submit Electrical Plans & Sections for Disinfection Building			
ELEC123	Prepare & submit Electrical Plans & Sections for Disinfection Building	10	10-Mar-15	21-Mar-15	10-Mar-15		85%	100%					
Structural & Concrete works		0					0%	0%					
Finishing works		0					0%	0%					
HVAC & Mechanical Works		33	09-May-15	19-Nov-15	19-Apr-15		16.22%	40.54%		23-Jun-15, HVAC & Mechanical Works			
DFN-280	Installation of utility Piping <110mm including pipe supports & valves	3	09-May-15	11-May-15	19-Apr-15		40%	100%		Installation of utility Piping <110mm including pipe supports & valves			
DFN-370	Installation of Exhaust fans, duct work, grille	7	09-Nov-15	19-Nov-15			0%	0%		Installation of Exhaust fans, duct work, grille			
Electrical & Instrumentation works		0					0%	0%		14-Jun-15, Electrical & Instrumentation works			
DFN-330	Installation of lights, receptacles, conduit, cables wires, pull box, enclosure, lighting protect	6	02-Nov-15	08-Nov-15	18-Apr-15		5%	0%		Installation of lights, receptacles, conduit, cables wires, pull box, enclosure, lighting protection system			
Coating & Finishing Works		0					0%	0%					
Electrical Metering Building		22	21-Mar-15	14-Apr-15			0%	0%		02-Jul-15, Electrical Metering Building			
Construction Submittals		0					0%	0%		02-Jul-15, Construction Submittals			
Materials Submittals		10	21-Mar-15	31-Mar-15			0%	0%		20-Jun-15, Materials Submittals			
MATARC-010	Prepare & submit tiles data sheet	10	21-Mar-15	31-Mar-15			0%	100%		Prepare & submit tiles data sheet			
MATC135	Prepare & submit finishing details (windows, doors)	10	21-Mar-15	31-Mar-15			0%	100%		Prepare & submit finishing details (windows, doors)			
MATM160	Prepare & Submit Coatings-Product	10	21-Mar-15	31-Mar-15			0%	100%		Prepare & Submit Coatings-Product			
Shop Drawing Submittals		0					0%	0%		02-Jul-15, Shop Drawing Submittals			
CS118	Prepare & submit Electrical metering Building shop structural drawings	10	04-Apr-15	14-Apr-15			0%	100%		Prepare & submit Electrical metering Building shop structural drawings			
Structural & Concrete works		0					0%	0%					
Finishing works		0					0%	0%					
Electrical & Instrumentation works		0					0%	0%					
HVAC-Plumbing		0					0%	0%					
Coating & Finishing Works		0					0%	0%					
Electrical Controls Building & Vaults		25	21-Apr-15	07-Jun-15			0%	0%		02-Jul-15, Electrical Controls Building & Vaults			
Construction Submittals		0					0%	0%		02-Jul-15, Construction Submittals			
Material Submittal		0					0%	0%		02-Jul-15, Material Submittal			
MATM210	Approval of Split units submittal	0					0%	100%		Approval of Split units submittal			
MATM220	Prepare and submit indoor-outdoor units	20	21-Apr-15	13-May-15			0%	100%		Prepare and submit Indoor-outdoor units			
MATM240	Prepare and submit packaged AC units	20	21-Apr-15	13-May-15			0%	100%		Prepare and submit packaged AC units			
Shop Drawing Submittals		0					0%	0%					
Structures & Concrete works		0					0%	0%					
Finishing Works		0					0%	0%					
Electrical & Instrumentation works		0					0%	0%					
Mechanical Works		0					0%	0%					
Coating & Finishing works		0					0%	0%					
Pre testing works		0					0%	0%					
Wall head & Pads		0					0%	0%					
Yard Works		0					0%	0%		13-Jun-15, Yard Works			
Construction Submittals		0					0%	0%		13-Jun-15, Construction Submittals			
Materials Submittals		0					0%	0%					
Shop Drawing Submittals		0					0%	0%		13-Jun-15, Shop Drawing Submittals			
M7900	Approval of mechanical - electrical shop drawings	0					0%	0%		Approval of mechanical - electrical shop drawings			
Construction Works		0					0%	0%					
Construction and Installation of Gabalya conveyance Pipe		400	26-Feb-14	09-Jun-15	25-Feb-14		76.64%	99.96%		23-Jun-15, Construction and Installation of Gabalya conveyance Pipe			
Post Construction Phase		0					0%	0%					

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

**Equipment Procurement Schedule**

Item	Description	Unit	Quantity	Manufacturer/ Supplier Info	Source	Donation Number	Submittals	Submittal Status	Ordering	Order Status	Manufacturing & Testing	Manufacturing Duration	Manufacturing status	Shipping	Shipping Duration	Clearance/ Ashdod Port	Transport to Project Site	since approval - Over all duration (days)	Notes	
<b>A- Mechanical</b>																				
<b>1- Pumps</b>																				
<b>1.1 Well Pump</b>																				
1.1.1	Submersible pump with motor and all related	No.	1	Baker Hughes.	America/Out Source	Required	24-Dec-14 20-Feb-15	Approved	23-Mar-15 24-Mar-15	Ordered	25-Mar-15 20-Sep-15	179	-	21-Sep-15 08-Dec-15	78	09-Dec-15 19-Dec-15	20-Dec-15 21-Dec-15	304		
1.1.2	400 V to 3.3 KV step-up transformer	No.	1	Baker Hughes.	America/Out Source	Required	24-Dec-14 20-Feb-15	Approved	23-Mar-15 24-Mar-15	Ordered	25-Mar-15 20-Sep-15	179	-	21-Sep-15 08-Dec-15	78	09-Dec-15 19-Dec-15	20-Dec-15 21-Dec-15	304		
1.1.3	Standby LV VFDs	No.	2	Baker Hughes.	America/Out Source	Required	24-Dec-14 20-Feb-15	Approved	23-Mar-15 24-Mar-15	Ordered	25-Mar-15 20-Sep-15	179	-	21-Sep-15 08-Dec-15	78	09-Dec-15 19-Dec-15	20-Dec-15 21-Dec-15	304		
1.1.4	Columns pipes	M.L.	430	Hamechadesh, ABC, Al Wael	America/Out Source	-	24-Dec-14 21-Apr-15	Approved	04-May-15 22-Apr-15	Ordered	06-May-15 20-Aug-15	106	-	21-Aug-15 09-Sep-15	19	10-Sep-15 25-Sep-15	26-Sep-15 27-Sep-15	159		
1.1.5	Access pipes	No.	1290	Baker Hughes.	America/Out Source	Required	24-Dec-14 20-Feb-15	Approved	23-Mar-15 24-Mar-15	Ordered	25-Mar-15 20-Sep-15	179	-	21-Sep-15 08-Dec-15	78	09-Dec-15 19-Dec-15	20-Dec-15 21-Dec-15	304		
<b>1.2 Well pump (Standby)</b>																				
1.2.1	well pumping unit (Spare)	No.	1	Baker Hughes.	America/Out Source	Required	24-Dec-14 20-Feb-15	Approved	23-Mar-15 24-Mar-15	Ordered	25-Mar-15 20-Sep-15	179	-	21-Sep-15 08-Dec-15	78	09-Dec-15 19-Dec-15	20-Dec-15 21-Dec-15	304		
<b>1.3 Booster pumps</b>																				
1.3.1	Booster can pump	No.	2	Morex	America/Out Source	Required	23-Feb-15 07-Jun-15	Approved	08-Jun-15 10-Jun-15	-	11-Jun-15 21-Sep-15	102	-	22-Sep-15 15-Nov-15	54	16-Nov-15 27-Nov-15	28-Nov-15 29-Nov-15	175		
1.3.2	Spare barrel for future	No.	1	Morex	America/Out Source	Required	23-Feb-15 07-Jun-15		08-Jun-15 10-Jun-15	-	11-Jun-15 21-Sep-15	102	-	22-Sep-15 15-Nov-15	54	16-Nov-15 27-Nov-15	28-Nov-15 29-Nov-15	175		
1.3.3	Motor	No.	2	Morex	America/Out Source	Required	23-Feb-15 07-Jun-15		08-Jun-15 10-Jun-15	-	11-Jun-15 21-Sep-15	102	-	22-Sep-15 15-Nov-15	54	16-Nov-15 27-Nov-15	28-Nov-15 29-Nov-15	175		
1.3.4	Spare parts	No.	2	Morex	America/Out Source	Required	23-Feb-15 07-Jun-15		08-Jun-15 10-Jun-15	-	11-Jun-15 21-Sep-15	102	-	22-Sep-15 15-Nov-15	54	16-Nov-15 27-Nov-15	28-Nov-15 29-Nov-15	175		
<b>1.4 Sump pump</b>																				
1.4.1	Sump pump	No.	1	Canceled																
<b>2- Hydropneumatic tank</b>																				
2.1	Hydropneumatic tank	No.	1	Morex	America/Out Source	Required	19-Apr-15	Manufactured approved	18-May-15 19-May-15	-	20-May-15 22-Sep-15	125	-	23-Sep-15 22-Oct-15	29	25-Oct-15 03-Nov-15	04-Nov-15 05-Nov-15	42313		
2.2	Spare parts	No.	1	Morex	America/Out Source	Required	19-Apr-15		18-May-15 19-May-15	-	20-May-15 22-Sep-15	125	-	23-Sep-15 22-Oct-15	29	25-Oct-15 03-Nov-15	04-Nov-15 05-Nov-15	42313		
<b>3- Air compressor</b>																				
3.1	Air compressor	No.	1	Atlascopcco	Local	-	19-Apr-15	Expected approval date	01-Jan-00 02-Jan-00	-	03-Jan-00 12-Sep-15	42256	-					13-Sep-15 15-Sep-15	42262	
<b>4- Chlorination System</b>																				
4.1	1000L tanks	No.	2	ABC to provide	Local	-	23-Feb-15	VCR Submitted.	16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
4.2	Dosing pump and spare parts	No.	3	ABC to provide	Local	-	23-Feb-15		16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
4.3	Elec. Transfer pump	No.	1	ABC to provide	Local	-	23-Feb-15		16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
4.4	Eye wash and shower (inside )	No.	1	ABC to provide	Local	-	23-Feb-15		16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
4.5	Eye wash and shower (outside )	No.	1	ABC to provide	Local	-	23-Feb-15		16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
4.6	injector	No.	2	ABC to provide	Local	-	23-Feb-15		16-May-15 17-May-15	-	18-May-15 10-Oct-15	145	-					11-Oct-15 18-Oct-15	42295	
<b>5- HVAC (Ec &amp; EM)</b>																				
5.1	Packaged roof top air conditioning units	No.	1	ABC to provide	America/Out Source	-	06-Apr-15	VCR will be submitted soon.	01-Jan-00 02-Jan-00	-	03-Jan-00 28-Nov-15	42333	-					29-Nov-15 01-Dec-15	42339	
5.2	Split units 2 ton	No.	1	ABC to provide	Israel / Local	-	06-Apr-15		01-May-15 02-May-15	-	03-May-15 03-Sep-15	123	-					04-Sep-15 07-Sep-15	42254	
5.3	Multi split unit	No.	1	ABC to provide	Israel / Local	-	06-Apr-15		01-May-15 02-May-15	-	03-May-15 03-Sep-15	123	-					04-Sep-15 07-Sep-15	42254	
5.4	Dry filter and sight glass	No.	3	ABC to provide	Israel / Local	-	06-Apr-15		01-May-15 02-May-15	-	03-May-15 03-Sep-15	123	-					04-Sep-15 07-Sep-15	42254	
5.5	Fans for metering building	No.	2	ABC to provide	Israel / Local	-	06-Apr-15		17-Apr-14 18-Apr-14	-	19-Apr-14 03-Sep-15	502	-					04-Sep-15 07-Sep-15	42254	
5.6	Temperature Controller	No.	8	ABC to provide	Israel / Local	-	06-Apr-15		02-Jun-15 03-Jun-15	-	04-Jun-15 03-Sep-15	91	-					04-Sep-15 07-Sep-15	42254	
<b>2 Electrical</b>																				
<b>2.1 Equipment</b>																				
2.1.1	Motor Control Centers (MCC)	No.	1	EMCO (Eaton), ABB, Siemens	Israel / Local	-	23-Feb-15 01-May-15		02-May-15 03-May-15	-	04-May-15 22-Jul-15	79	-	23-Jul-15 05-Sep-15	44	06-Sep-15 15-Sep-15	16-Sep-15 17-Sep-15	139		
2.1.2	Variable Frequency Drive (VFD) & Spare parts	No.	2	ABB, Siemens	Israel / Local	-	23-Apr-15 07-Jun-15	Approved	19-May-15 20-May-15	-	21-May-15 07-Oct-15	139	-	08-Oct-15 01-Dec-15	54	02-Dec-15 14-Dec-15	15-Dec-15 16-Dec-15	192		
2.1.4	Medium Voltage Switch Gear (MVSG)	No.	1	ABB, Siemens	Israel / Local	-	04-Mar-15 26-May-15	Submitted	27-May-15 28-May-15	-	06-Jul-15 19-Sep-15	75	-	20-Sep-15 18-Nov-15	59	19-Nov-15 30-Nov-15	01-Dec-15 02-Dec-15	190	Manufacturing depend on Protective Device Study	
2.1.5	Transformer	No.	1	COOPER	America/Out Source	-	16-Feb-15 18-May-15	Approved	19-May-15 20-May-15	P.O	28-Jun-15 22-Sep-15	86	-	23-Sep-15 11-Dec-15	79	13-Dec-15 22-Dec-15	23-Dec-15 24-Dec-15	220		
2.1.6	Electrical Panels	No.	2	EMCO	Israel / Local	-	23-Jan-15 23-May-15		24-May-15 25-May-15	-	26-May-15 29-Oct-15	156	-				30-Oct-15 01-Nov-15	162		
<b>2.2 Control Equipment</b>																				
2.2.1	Program Logical Controller (PLC) Panel	No.	1	BCI, IC System	Israel / Local	-	10-Apr-15		02-Jan-00 06-Jan-00	-	07-Jan-00 17-Aug-15	42226	-	18-Aug-15 16-Sep-15	29	17-Sep-15 02-Oct-15	03-Oct-15 04-Oct-15	42281		
2.2.2	SCADA server, printer, computer	No.	1	BCI, IC System	Israel / Local	-	10-Apr-15		02-Jan-00 06-Jan-00	-	07-Jan-00 17-Aug-15	42226	-	18-Aug-15 16-Sep-15	29	17-Sep-15 02-Oct-15	03-Oct-15 04-Oct-15	42281		
2.2.3	Display Panel and UPS	No.	1	BCI, IC System	Israel / Local	-	10-Apr-15		02-Jan-00 06-Jan-00	-	07-Jan-00 17-Aug-15	42226	-	18-Aug-15 16-Sep-15	29	17-Sep-15 02-Oct-15	03-Oct-15 04-Oct-15	42281		
2.2.4	RTU Panel	No.	1	BCI, IC System	Israel / Local	-	10-Apr-15		02-Jan-00 06-Jan-00	-	07-Jan-00 17-Aug-15	42226	-	18-Aug-15 16-Sep-15	29	17-Sep-15 02-Oct-15	03-Oct-15 04-Oct-15	42281		
<b>2.3 Instruments</b>																				
<b>2.3.1 Instruments( Discharge head well pump)</b>																				
2.3.1.1	Flow element 200mm, 16bar	No.	1	ABB	Israel / Local	-	01-Jul-14	Approved	06-Jun-15 08-Jun-15	-	09-Jun-15 07-Sep-15	90	-				08-Sep-15 10-Sep-15	96		
2.3.1.2	Flow indicating transmitter 16bar	No.	1	ABB	Israel / Local	-	01-Jul-14		06-Jun-15 08-Jun-15	-	09-Jun-15 07-Sep-15	90	-					08-Sep-15 10-Sep-15	96	
2.3.1.3	Level transmitter 16bar	No.	1	ABC to provide	Israel / Local	-	10-Apr-15 12-May-15		13-May-15 14-May-15	-	15-May-15 13-Aug-15	90	-					14-Aug-15 15-Aug-15	95	
2.3.1.4	Pressure indicator 16bar	No.	1	ABC to provide	Israel / Local	-	10-Apr-15 12-May-15		13-May-15 14-May-15	-	15-May-15 13-Aug-15	90	-					14-Aug-15 15-Aug-15	95	
2.3.1.5	Pressure switch high/low 16bar	No.	1	ABC to provide	Israel / Local	-	10-Apr-15 14-May-15		15-May-15 16-May-15	-	17-May-15 15-Aug-15	90	-					16-Aug-15 17-Aug-15	95	
2.3.1.6	Pressure transmitter 16bar	No.	1	ABC to provide	Israel / Local	-	10-Apr-15 14-May-15		15-May-15 16-May-15	-	17-May-15 15-Aug-15	90	-					16-Aug-15 17-Aug-15	95	
<b>2.3.2 Instruments( Balance tank)</b>																				
2.3.2.1	Balance tank intrusion switch	No.	4	UTC	Israel / Local	-	10-Apr-15 25-Nov-15	Expected approval date	28-Nov-15 27-Nov-15		28-Nov-15 28-Dec-15	30					29-Dec-15 30-Dec-15	35		
2.3.2.2	Balance tank level switch high high	No.	2	Cynergy	Israel / Local	-	06-Oct-13	Approved	10-Jul-15 12-Jul-15	-	13-Jul-15 11-Oct-15	90	-				12-Oct-15 15-Oct-15	97		
2.3.2.3	Balance tank level switch low low	No.	2	Cynergy	Israel / Local	-	06-Oct-13		10-Jul-15 12-Jul-15	-	13-Jul-15 11-Oct-15	90	-					12-Oct-15 15-Oct-15	97	
2.3.2.4	Balance tank level indicating transmitter	No.	2	Siemens	Israel / Local	-	10-Apr-15 13-Nov-15	Expected approval date	14-Nov-15 15-Nov-15	-	16-Nov-15 16-Dec-15	30	-				17-Dec-15 18-Dec-15	35		
2.3.2.5	Balance tank level element	No.	2	Siemens	Israel / Local	-	10-Apr-15 13-Nov-15		14-Nov-15 15-Nov-15	-	16-Nov-15 16-Dec-15	30	-					17-Dec-15 18-Dec-15	35	
2.3.2.6	Balance tank level transmitter fail switch	No.	2	ABC to provide	Israel / Local	-	10-Apr-15 16-Apr-15		17-Apr-15 18-Apr-15	-	19-Apr-15 18-Jul-15	90	-					19-Jul-15 20-Jul-15	95	

**Equipment Procurement Schedule**

Item	Description	Unit	Quantity	Manufacturer/Supplier Info.	Source	Donation Number	Submittals		Submittal Status	Ordering		Order Status	Manufacturing & Testing		Manufacturing Duration	Manufacturing status	Shipping		Shipping Duration	Clearance/ Ashdod Port		Transport to Project Site	since approval - Over all duration (days)	Notes		
2.3.2.7	Emergency eyewash/shower in use flow switch	No.	1	ABC to provide	Israel / Local	-	10-Apr-15	20-May-15	Expected approval dates - <b>Suspended due Chlorination System VOR.</b>	21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-						22-Aug-15	23-Aug-15	95		
<b>2.3.3</b>	<b>Instruments( Booster pumps)</b>																									
2.3.3.1	booster pump suction pressure switch low	No.	2	ABC to provide	Israel / Local	-	10-Apr-15	30-Apr-15	Suspended till System approval	01-May-15	02-May-15	-	03-May-15	01-Aug-15	90	-						02-Aug-15	03-Aug-15	95		
2.3.3.2	booster pump suction pressure indicator - 16bar	No.	2	ABC to provide	Israel / Local	-	10-Apr-15	30-Apr-15		01-May-15	02-May-15	-	03-May-15	01-Aug-15	90	-							02-Aug-15	03-Aug-15	95	
2.3.3.3	booster pump discharge pressure switch high	No.	2	ABC to provide	Israel / Local	-	10-Apr-15	30-Apr-15		01-May-15	02-May-15	-	03-May-15	01-Aug-15	90	-							02-Aug-15	03-Aug-15	95	
2.3.3.4	surge tank level transmitter	No.	1	Morex	America/Out Source	Required	19-Apr-15	17-May-15	Expected approval date	18-May-15	19-May-15	-	20-May-15	22-Sep-15	125	-	23-Sep-15	22-Oct-15	29	25-Oct-15	03-Nov-15	04-Nov-15	05-Nov-15	172		
2.3.3.5	surge tank pressure indicator -40bar	No.	1	Morex	America/Out Source	Required	19-Apr-15	17-May-15		18-May-15	19-May-15	-	20-May-15	22-Sep-15	125	-	23-Sep-15	22-Oct-15	29	25-Oct-15	03-Nov-15	04-Nov-15	05-Nov-15	172		
2.3.3.6	booster motor winding phase temperature transmitter	No.	6	Morex	America/Out Source	Required	23-Feb-15	25-Apr-15	Expected approval date	26-Apr-15	28-Apr-15	-	29-Apr-15	21-Sep-15	145	-	22-Sep-15	15-Nov-15	54	16-Nov-15	27-Nov-15	28-Nov-15	29-Nov-15	218		
2.3.3.7	booster pump bearing temperature transmitter	No.	2	Morex	America/Out Source	Required	23-Feb-15	26-Apr-15		26-Apr-15	28-Apr-15	-	29-Apr-15	21-Sep-15	145	-	22-Sep-15	15-Nov-15	54	16-Nov-15	27-Nov-15	28-Nov-15	29-Nov-15	218		
2.3.3.8	booster pump vibration transmitter	No.	2	Morex	America/Out Source	Required	23-Feb-15	27-Apr-15		26-Apr-15	28-Apr-15	-	29-Apr-15	21-Sep-15	145	-	22-Sep-15	15-Nov-15	54	16-Nov-15	27-Nov-15	28-Nov-15	29-Nov-15	218		
2.3.3.9	booster pump discharge pressure indicator - 40bar	No.	2	Morex	America/Out Source	Required	23-Feb-15	27-Apr-15	26-Apr-15	28-Apr-15	-	29-Apr-15	21-Sep-15	145	-	22-Sep-15	15-Nov-15	54	16-Nov-15	27-Nov-15	28-Nov-15	29-Nov-15	218			
	Booster Control Valve		2	BERMAD	Israel / Local	-	20-Jan-15	19-May-15	Approved	20-Apr-15	22-Apr-15	-	23-Apr-15	04-Aug-15	103	-						05-Aug-15	14-Aug-15	87		
2.3.3.10	sump pump flood level switch	No.	1	<b>Canceled</b>																						
2.3.3.11	sump pump start level switch	No.	1	<b>Canceled</b>																						
2.3.3.12	sump pump shutdown level switch	No.	1	<b>Canceled</b>																						
2.3.3.13	booster station discharge flow element 250mm, 40bar	No.	2	ABB	Israel / Local	-		01-Jul-14	Approved	08-Jun-15	08-Jun-15	-	09-Jun-15	07-Sep-15	90	-						08-Sep-15	10-Sep-15	96		
2.3.3.14	balance tank ps startup relief flow orifice 150mm, 40bar	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	09-May-15	Suspended till System approval	10-May-15	11-May-15	-	12-May-15	10-Aug-15	90	-						11-Aug-15	12-Aug-15	95		
2.3.3.15	balance tank ps discharge flow indicating transmitter	No.	1	ABB	Israel / Local	-		01-Jul-14	Approved	06-Jun-15	08-Jun-15	-	09-Jun-15	07-Sep-15	90	-						08-Sep-15	10-Sep-15	96		
2.3.3.16	balance tank ps discharge pressure transmitter -40bar	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	14-May-15	Expected approval date	15-May-15	16-May-15	-	17-May-15	15-Aug-15	90	-						16-Aug-15	17-Aug-15	95		
<b>2.3.4</b>	<b>Instruments( Chlorination)</b>																									
2.3.4.1	Intrusion switch	No.	5	UTC	Israel / Local	-		25-Nov-15	Expected approval dates - <b>Suspended due Chlorination System VOR.</b>	26-Nov-15	27-Nov-15	-	28-Nov-15	28-Dec-15	30	-						29-Dec-15	30-Dec-15	35		
2.3.4.2	Fire alarm horn	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	12-Apr-15		13-Apr-15	14-Apr-15	-	15-Apr-15	14-Jul-15	90	-							15-Jul-15	16-Jul-15	95	
2.3.4.3	Smoke detector	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	12-Apr-15		13-Apr-15	14-Apr-15	-	15-Apr-15	14-Jul-15	90	-							15-Jul-15	16-Jul-15	95	
2.3.4.4	Eyewash/shower in use flow switch	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.5	Level switch high	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.6	Level switch low low	No.	3	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.7	Level switch high high	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.8	Level element	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.9	Level indicating transmitter	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.10	Level transmitter fail switch	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.11	Pressure indicator	No.	2	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.12	Ph analyzer element	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.13	Chlorine analyzer element	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.14	Analyzer indicating transmitter	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.15	Chlorine analyzer sample flow indicator	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.16	Chlorine analyzer sample pressure indicator	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
2.3.4.17	Analyzer fail switch	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	20-May-15		21-May-15	22-May-15	-	23-May-15	21-Aug-15	90	-							22-Aug-15	23-Aug-15	95	
<b>2.3.5</b>	<b>Instruments( miscellaneous)</b>																									
2.3.5.1	Intrusion switch	No.	5	UTC	Israel / Local	-		25-Nov-15	Expected approval dates	26-Nov-15	27-Nov-15	-	28-Nov-15	28-Dec-15	30	-						29-Dec-15	30-Dec-15	35		
2.3.5.2	Fire alarm horn	No.	1	ABC to provide	Israel / Local	-	06-Apr-15	12-Apr-15		13-Apr-15	14-Apr-15	-	15-Apr-15	14-Jul-15	90	-							15-Jul-15	16-Jul-15	95	
2.3.5.3	Smoke detector	No.	3	ABC to provide	Israel / Local	-	06-Apr-15	12-Apr-15		13-Apr-15	14-Apr-15	-	15-Apr-15	14-Jul-15	90	-							15-Jul-15	16-Jul-15	95	
<b>C</b>	<b>Miscellaneous Equipment</b>																									
1.1	Double Leaf Aluminum Access hatches	No.	2	ABC to provide	Israel / Local	-	<b>Delivered to the Site</b>																			

**Meeting Minutes**  
**Qabatiya Well Pump Station TO 13-00006**  
**Bi-Weekly Progress Meeting #35**

**Date:**

Thursday, June 25, 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 Ms. Renee Saad Mr. Murad Daoud Ms. Lubna Haj Hamad Mr. Tamer Assaf	Mr. Ghassan Thaher Mr. Moussa Anbar Mr. Ali Odeh Mr. Abed Baker Mr. Youssef 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 773 Days (77.61%)
- Project Planned Overall % of Completion 25.36%
- Project Actual Overall % of Completion 19.48%
- Total Float (Variance Duration) -55 Days

**2. Documents distributed at this meeting:**

- Copy of Progress Meeting Agenda #35.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.

**3. Documents Attached:**

- Progress Meeting Agenda #35.
- Attendees List.
- Two Weeks Look Ahead by CDM Smith.

**4. Next Meeting is scheduled at 11:00 AM on Thursday, July 09, 2015 at Al Zababida, Palestine.**



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#29	<b>1.1 Housekeeping.</b> BV urged CDM Smith to maintain housekeeping at all times to avoid injuries. Furthermore, BV reminded CDM Smith that all delivered materials shall be stored in their designated storage areas.	CDM Smith	All Times
	PM#32	<b>1.2 Asbestos Sheets.</b> CDM Smith stated that a letter has been sent out on June 11, 2015 to the Ministry of Environmental Affairs requesting their approval to dispose of the Asbestos sheets at Zahret Al-Fenjan dumping area; meanwhile, CDM Smith are still waiting for the Ministry's response in this regard.  BV requested from CDM Smith to forward the letter to the CMC for their record.	Info  CDM Smith	Jun 11, 2015  ASAP
	New	<b>1.3 Night Work.</b> CDM Smith noted that an inspection request was sent out for CMC's acceptance on site preparations for night work during Ramadan.  BV advised that once site preparations are accepted, CDM Smith shall submit a detailed follow up plan illustrating the intended night shift activities.	Info  CDM Smith	ASAP  ASAP
2	New	<b>Quality.</b> <b>2.1 Approved for Construction Drawings.</b> BV reminded CDM Smith that review comments for Shop-drawings with code B shall be reflected in the approved for construction shop-drawing and stamped by the CQC, CDM Smith shall provide the CMC with a stamped copy for all code B submittals.	CDM Smith	All Times
	New	<b>2.2 Witness Tests.</b> BV reminded CDM Smith to notify the CMC in advance prior to the expected time for testing services as per Contract Requirements. Furthermore, BV requested from CDM Smith to submit the chlorination test results and further reminded CDM Smith that all test results shall be submitted immediately without delays.  CDM Smith stated that they will follow up this issue accordingly.	Info  CDM Smith  CDM Smith	All Times  ASAP  ASAP
	New	<b>2.3 Submittals with Status Code B.</b> BV reminded CDM Smith to cover all the requirements required along	Info	All Times



		with the submittal issued with status code B to avoid any delays.  CDM Smith stated that they are following up this issue and they will exert more efforts in this regard. Furthermore, CDM Smith stated that an updated status will be sent on regular basis.	CDM Smith	ASAP
3	PM #01	<b><u>Progress of Work.</u></b> <b>3.1 Progress Summary by CDM Smith.</b>  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 construction of the disinfection building and repairs of the balancing tank are ongoing.	Info	
	PM#01	<b>3.2 Two Weeks Look Ahead.</b>  CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).	Info	
	PM #32	<b>3.3 Long Lead Items.</b>  CDM Smith noted that the long lead item list will be sent out via email on June 28, 2015 for CMC's review.  BV stated that the comments will be sent to CDM Smith shortly.	Info  Info	Jun 28, 2015
	PM#34	<b>3.4 Negative Floats.</b>  BV raised concern with respect to the reported negative float and inquired about the reasons behind these delays.  CDM Smith advised that these delays are a result of long lead equipment submittals.  Meanwhile, BV advised that since most of the electrical equipment has been accepted, CDM Smith may submit the electrical Panels layout shop-drawings to push the progress forward.	Info  Info  CDM Smith	ASAP
	PM #32	<b>3.5 Balance Tank Leakage Test.</b>  BV inquired about the status of balance tank repair and further mentioned that the external wall's repair works for the balance tank are not acceptable.  CDM Smith noted that the repair works are currently ongoing. However, the planned date to finalize this issue is June 30, 2015.  BV urged CDM Smith to exert more efforts to conduct the leakage test ASAP. Moreover, BV stated that the delay in conducting the leakage test is seriously affecting the finishing activities (painting and disinfection test)	Info  CDM Smith  CDM Smith	Jun 30, 2015  ASAP



		and the overall project.		
4	PM #26	<p><b><u>Submittals.</u></b></p> <p><b>4.1 Submittals Sequence Schedule.</b></p> <p>BV reminded CDM Smith to submit all remaining submittals taking into consideration priority, sequence of work and the accepted CPM schedule. Moreover, BV reminded CDM Smith that according to the contract requirements, the Engineer has 30 calendar days to review the submittals.</p> <p>BV stated that CDM Smith will be provided with any support needed.</p>	CDM Smith	All Times
	PM#34	<p><b>4.2 Operation and Maintenance Manual.</b></p> <p>BV reminded CDM Smith to expedite the submission of the Conveyance system O&amp;M.</p> <p>CDM Smith advised that the first volume will be submitted shortly.</p>	Info	ASAP
	PM#34	<p><b>4.3 Training Plan and Trainees Vetting.</b></p> <p>BV inquired about the progression in regards to the training plan and trainees vetting for the conveyance system.</p> <p>CDM Smith noted that a draft schedule will be sent out to CMC for review on June 30, 2015 prior to sending to PWA.</p>	Info	Jun 30, 2015
5	PM #01	<p><b><u>Financial.</u></b></p> <p><b>5.1 Financial</b></p> <p>No issues were reported during the meeting.</p>	Info	
6	PM #01	<p><b><u>Reports.</u></b></p> <p><b>6.1 Monthly Report.</b></p> <p>No issues were reported during the meeting.</p>	Info	
	PM #01	<p><b>6.2 Daily Joint Report.</b></p> <p>No issues were reported during the meeting.</p>	Info	

**End of Minutes**

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**USAID WEST BANK/GAZA  
INFRASTRUCTURE NEEDS PROGRAM INPII  
TO 13-00006, QABATIYA WELL PROJECT (QBW)  
BI-WEEKLY PROGRESS MEETING AGENDA #35**

**Date:**

Thursday, June 25, 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 Housekeeping.
  
- 2. Quality.**
  - 2.1 Approved for Construction Drawings.
  - 2.2 Witness Tests.
  - 2.3 Submittals with Status Code B.
  
- 3. Progress of Work.**
  - 3.1 Progress Summary by CDM Smith.
  - 3.2 Two Weeks Look Ahead.
  - 3.3 Long Lead Items.
  - 3.4 Balance Tank Leakage Test.
  
- 4. Submittals.**

4.1 Submittals Sequences Schedule.

**5. Financial.**

**6. Reports.**

6.1. Daily Joint Reports.

6.2. Monthly Reports.

**7. Others.**

Subject: TO13-00006 QBW: Progress Meeting #35

Venue: B&amp;V Office – Az-Zababdeh

Date: June 25, 2015

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

## Attendees List

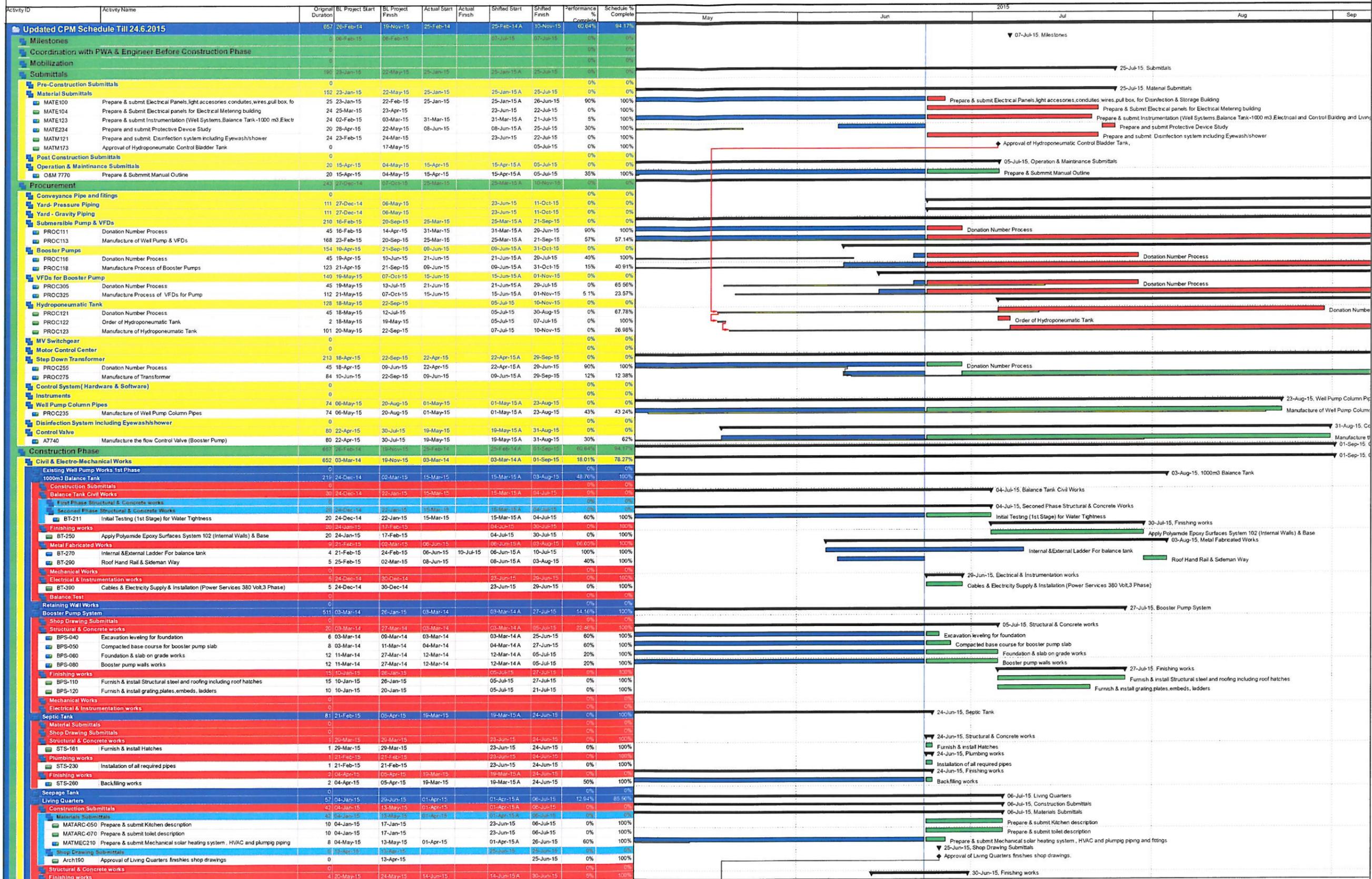
No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Abdel Rahman Bakeer	safety Eng.	CDM Smith	0592-997700	bakeerar@cdm.smith.com	
2	Yousif Alqum	PM	ABC	0597088612	Yalqum@abporthor.com	
3	Mousa Alkhar	FFA Manager	CDM Smith	0599556610	ankhar.m@cdmsmith.com	
4	Ali odeh	schedu coord.	CDM Smith	0592997723	odeh.a@cdmsmith.com	
5	Ghassan Thaher	PM	CDM Smith	0592997701	thaherg@cdmsmith.com	
6	Lubna Haj Hamad	Sr. OE	B. U.	0598934661	HajhamadL@bv.com	
7	Muhammad Daoud	QA	BV	0598934662	Daoud.M@bv.com	
8	Renee Saad	Sr PM	B&V	0588930474	saad.r@bv.com	
9	Tamer Assaf	OE	B&V	0592997707	AssafT@bv.com	
10	Mukhlis Najajneh	PM	B&V	0598954660	Najajneh.M@bv.com	
11						
12						
13						
14						
15						
16						
17						

Date: 25<sup>th</sup> June, 2015

Updated CPM Schedule Till: 24<sup>th</sup> June, 2015

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

- Planned Start Date = 14<sup>th</sup> May 2013
- Planned Finish Date = 3<sup>rd</sup> February, 2016
  
- Planned % complete = 25.2 %
- Performance % complete = 19.5 %
- Float = - 53 Days

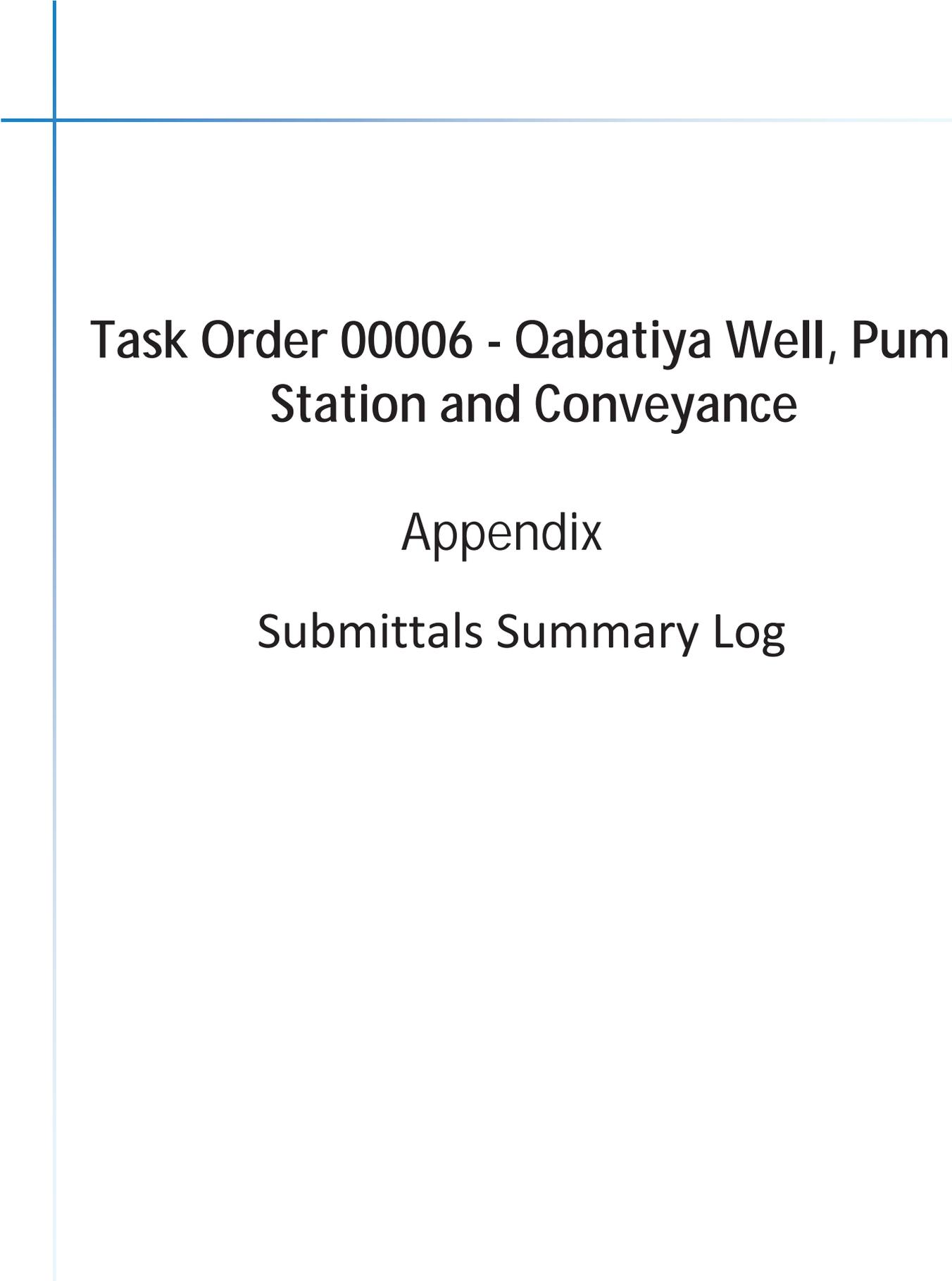


█ Actual Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Primary Baseline   
 █ Remaining Work   
 ◆ Milestone

Updated CPM Schedule Till 24.6.2015 - Two Weeks look Ahead



█ Actual Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
— Primary Baseline   
 █ Remaining Work   
 ◆ Milestone



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

## **Appendix**

### **Submittals Summary Log**

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-351C	Structural shop drawing for the remaining walls of types F southern part	18/06/2015		
SUB-13-00006-QBW-438B	Fiberglass Reinforcement Mesh	16/06/2015	23/06/2015	A
SUB-13-00006-QBW-446C	Partial Hand over plan for Qabatiya Conveyance system	07/06/2015	09/06/2015	B
SUB-13-00006-QBW-479B	Manufacturers Certification and material sample for Terazzo Tiles	09/06/2015	10/06/2015	E
SUB-13-00006-QBW-481B	Manufacturer's Profile & Material Properties of Concrete Block	24/06/2015	30/06/2015	A
SUB-13-00006-QBW-504A	Method statement for leakage repair of the balance tank	11/06/2015	23/06/2015	B
SUB-13-00006-QBW-512B	Sample for polystyrene sheet (30mm thickness)for insulation purposes	07/06/2015	07/06/2015	A
SUB-13-00006-QBW-518C	Method statement of finishing works for Qabatiya well station building	21/06/2015		
SUB-13-00006-QBW-519B	Sample for information plate for pipe markers on Transmission mains	04/06/2015	16/06/2015	B
SUB-13-00006-QBW-522B	Emergency drench shower with stainless steel eyewash inside the disinfection building	17/06/2015	18/06/2015	B
SUB-13-00006-QBW-525B	Shop drawing for electro-mechanical installation of the eye wash inside the disinfection building	18/06/2015	22/06/2015	C
SUB-13-00006-QBW-535A	Structural design of anchorage for handrail & ladders (External & internal)	02/06/2015	05/06/2015	A
SUB-13-00006-QBW-538A	Test Report on Concrete Compressive Strength for the roof slab of living quarter Building (7-Day Result). Ref: M/1505/592	01/06/2015	03/06/2015	A
SUB-13-00006-QBW-539A	Updated Submittal Registry (up to 31 May 2015)	02/06/2015	10/06/2015	A
SUB-13-00006-QBW-540A	Welder's qualifications (Alternative)	02/06/2015	04/06/2015	A
SUB-13-00006-QBW-541A	Monthly Update for Environmental and Mitigation Plan for the Month of May 2015	02/06/2015	03/06/2015	B
SUB-13-00006-QBW-542A	Updated Risk Management Plan for May 2015	03/06/2015	10/06/2015	B
SUB-13-00006-QBW-543A	Monthly QA/QC and Safety Plans Updates for May 2015	03/06/2015	10/06/2015	B
SUB-13-00006-QBW-544A	Cement Mortar Mix Design for Plastering, Tiling & Masonry	03/06/2015	15/06/2015	C
SUB-13-00006-QBW-544B	Cement Mortar Mix Design for Plastering, Tiling & Masonry	21/06/2015		
SUB-13-00006-QBW-545A	Test Report on Concrete Compressive Strength for Parapet Walls of the Living Quarter- (7-Day Result). Ref:M/1505/365	03/06/2015	07/06/2015	A
SUB-13-00006-QBW-546A	Construction Method Statement for Temporary Connection Between the Existing 6" Steel Pipeline at QBW Station and The Newly Installed 10" Steel Pipeline	04/06/2015	16/06/2015	B
SUB-13-00006-QBW-547A	LV Motor Control Centre	07/06/2015	16/06/2015	C
SUB-13-00006-QBW-547B	LV Motor Control Centre	24/06/2015		
SUB-13-00006-QBW-548A	Updated CPM Construction Schedule (Up to May 31, 2015)	07/06/2015	23/06/2015	B
SUB-13-00006-QBW-549A	Architectural Shop Drawings for Living Quarter (Tiling)	08/06/2015	16/06/2015	A
SUB-13-00006-QBW-550A	Shop Drawing for Structural Details of Booster Station	08/06/2015	23/06/2015	C
SUB-13-00006-QBW-551A	Concrete Block Mix Design for concrete block (ref. M/1506/2) and test report for concrete block for walls (40x10x20 and 40x20x20 cm) - Ref. M/1506/60, M/1506/61)	09/06/2015	23/06/2015	B
SUB-13-00006-QBW-552A	Initial Load Flow And Short Circuit Study	11/06/2015	23/06/2015	C
SUB-13-00006-QBW-552B	Initial Load Flow And Short Circuit Study	28/06/2015		
SUB-13-00006-QBW-553A	Test Report on Concrete Compressive Strength for Walls of living quarter Building (28-Day Result). Ref: M/1505/173a	11/06/2015	16/06/2015	A
SUB-13-00006-QBW-554A	Electrical shop drawing for electrical metering building	16/06/2015	30/06/2015	B
SUB-13-00006-QBW-555A	Qabatiya well pump station -revised site layout based on CMC's response to RFI-102	18/06/2015	24/06/2015	A
SUB-13-00006-QBW-556A	Structural Shop Drawing for Electrical Metering Building based on modification #1	18/06/2015	23/06/2015	C
SUB-13-00006-QBW-556B	Structural Shop Drawing for Electrical Metering Building based on modification #2	29/06/2015		
SUB-13-00006-QBW-557A	welding visual inspection report for three welders as per approved WPS	21/06/2015	22/06/2015	A
SUB-13-00006-QBW-558A	Backflow preventer -BFP-525	21/06/2015		
SUB-13-00006-QBW-559A	Mechanical shop drawing for scupper drain at electrical metering building	21/06/2015	23/06/2015	A
SUB-13-00006-QBW-560A	Medium Voltage Switchgear-Drawings and technical list	21/06/2015		
SUB-13-00006-QBW-561A	Mill tests for cement	21/06/2015	23/06/2015	C
SUB-13-00006-QBW-561B	Mill tests for cement	24/06/2015		
SUB-13-00006-QBW-562A	Test Report on Concrete Compressive Strength for the roof slab of living quarter Building (28-Day Result). Ref: M/1505/592a	22/06/2015	22/06/2015	A
SUB-13-00006-QBW-563A	Test report on concrete block for walls :1-report ref.No.M/1506/223 for 40x20x10cm block 2-report Ref.No.M/1506/224 for 40x20x20cm block	22/06/2015	22/06/2015	A
SUB-13-00006-QBW-564A	safety plan for working at night during Ramadan month	23/06/2015	23/06/2015	C
SUB-13-00006-QBW-564B	safety plan for working at night during Ramadan month	24/06/2015	24/06/2015	B
SUB-13-00006-QBW-565A	Surge bladder control tank	23/06/2015		
SUB-13-00006-QBW-566A	Volume 1 of 2 :preliminary O&M manual for Qabatiya conveyance system	25/06/2015		
SUB-13-00006-QBW-567A	Revised Mechanical shop drawing for the disinfection building	28/06/2015		
SUB-13-00006-QBW-568A	local maintenance facility qualification- for Qabatiya Booster Pumps	29/06/2015		
SUB-13-00006-QBW-569A	Polyethylene Tanks	29/06/2015		
SUB-13-00006-QBW-570A	Analytical report for the chlorine concentration in water for the conveyance system	29/06/2015	30/06/2015	D
SUB-13-00006-QBW-571A	Updated Risk Management Plan for June 2015	30/06/2015		
SUB-13-00006-QBW-572A	Volume 2 of 2 :preliminary O&M manual for Qabatiya conveyance system	30/06/2015		
SUB-13-00006-QBW-573A	Monthly QA/QC and Safety Plans Updates for June 2015	30/06/2015		

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

Appendix

Invoices Log



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

## Appendix

### Request for Information log

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

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

Qabatiya Well Pump Station And Conveyance System

Request For Information Log

RFI No.	Description	submitted Date to CMC	Date Returned from CMC	Days to complet
RFI-00006-QBW-106	MV Switch Gear (Based on CMC's Response to RFI-105 Attached)	10/06/2015		
RFI-00006-QBW-107	replecment of concrete Masonry units as per CMC's response to RFI -103	11/06/2015	23/06/2015	12

# 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: 6/30/2015

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	
<b>Total of FY 2013</b>							<b>1216.25</b>	<b>51</b>	
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	
<b>Total of FY 2014</b>							<b>6251.38</b>	<b>263</b>	
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	
<b>Total of FY 2015</b>							<b>3808.63</b>	<b>160.03</b>	

Note :

\* No of Full Time Equivalent (FTE) Jobs in the Month = Total Job Days / Avg. Days in the Month(23.8)

\*\* This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

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

TASK ORDER NO. : AID-294-TO-13-00006  
 Qabatiya Well Pump Station and Conveyance System  
 Temporary Job Days Report

Task Order Name: TO-13-00006  
 Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System  
 CONTRACTOR:CDM Smith  
 SUBCONTRACTOR(s): Arab Brothers  
 Site Group CO. LTD

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											
June 1, 2015	CDM Smith	8	8	8		8	8											8												
	Arab Brothers				8	8				8			8						8	8						4	6	0	2	1
	Site Group																													
June 2, 2015	CDM Smith	10	8	8		8	8											8												
	Arab Brothers				8	8				8			8						8	8					4.25	6	0	2	1	
	Site Group																													
June 3, 2015	CDM Smith	8	8	8		8	8											8												
	Arab Brothers				8	8				8			8		8				8	8					4	5	1	2	1	
	Site Group																													
June 4, 2015	CDM Smith	8	8	8		8	8											8												
	Arab Brothers				8	8				8			8						16	8					4	6	0	3	1	
	Site Group																													
June 5, 2015	CDM Smith																													
	Arab Brothers																								0	0	0	0	0	
	January 8, 1900																													
June 6, 2015	CDM Smith	8	8	8		8	8																							
	Arab Brothers					8				8			8		12				8						3	6	1.5	1	0	
	Site Group																													
June 7, 2015	CDM Smith	8	8	8		8	8											8												
	Arab Brothers				8	8				8			8		15				16	8					4	5	1.875	3	1	
	Site Group																													
June 8, 2015	CDM Smith	8	8	8		8	8											8												
	Arab Brothers				8	8				8			8		32				16	8					4	6	4	3	1	
	Site Group																													



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	Surv Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy						Unskilled Labor	Driver										
June 23, 2015	CDM Smith	7	7	7		7	7											4						2.875	5	0.75	1.375	0.875								
	Arab Brothers				2	7					7		7		4	2			7	7																
	Site Group																																			
June 24, 2015	CDM Smith	7	7	7		7	7											4																		
	Arab Brothers				7	7		7			7		7	7	35					14	7					3.5	5	5.25	2.25	0.875						
	Site Group																																			
June 25, 2015	CDM Smith	7	7	7		7	7											4																		
	Arab Brothers				7	7		7			7		7	7	21					14	7						3.5	5	3.5	2.25	0.875					
	Site Group																																			
June 26, 2015	CDM Smith																																			
	Arab Brothers																																			
	Site Group																																			
June 27, 2015	CDM Smith	7	7	9		7	7											7																		
	Arab Brothers				9	7		7					9		7	36	7			18	7							4	6	5.375	3.125	0.875				
	Site Group																																			
June 28, 2015	CDM Smith	7	7	7		7	7											4																		
	Arab Brothers				7	7		7					7	7	21						7	7														
	Site Group																																			
June 29, 2015	CDM Smith	7	7	7		7	7											4																		
	Arab Brothers				7	7		7					7	7	49					14	7															
	Site Group																																			
June 30, 2015	CDM Smith	7	7	7		7	7											4																		
	Arab Brothers				7	7		7					7	7	7					21	7															
	Site Group																																			
<b>Total of Month</b>		<b>199.00</b>	<b>189.00</b>	<b>192.00</b>	<b>165.00</b>	<b>394.00</b>	<b>189.00</b>	<b>182.00</b>	<b>0.00</b>	<b>0.00</b>	<b>199.00</b>	<b>0.00</b>	<b>21.00</b>	<b>189.00</b>	<b>35.00</b>	<b>536.00</b>	<b>61.00</b>	<b>0.00</b>	<b>171.00</b>	<b>322.00</b>	<b>175.00</b>	<b>0.00</b>			<b>93.13</b>	<b>146.75</b>	<b>79.00</b>	<b>61.63</b>	<b>21.88</b>							

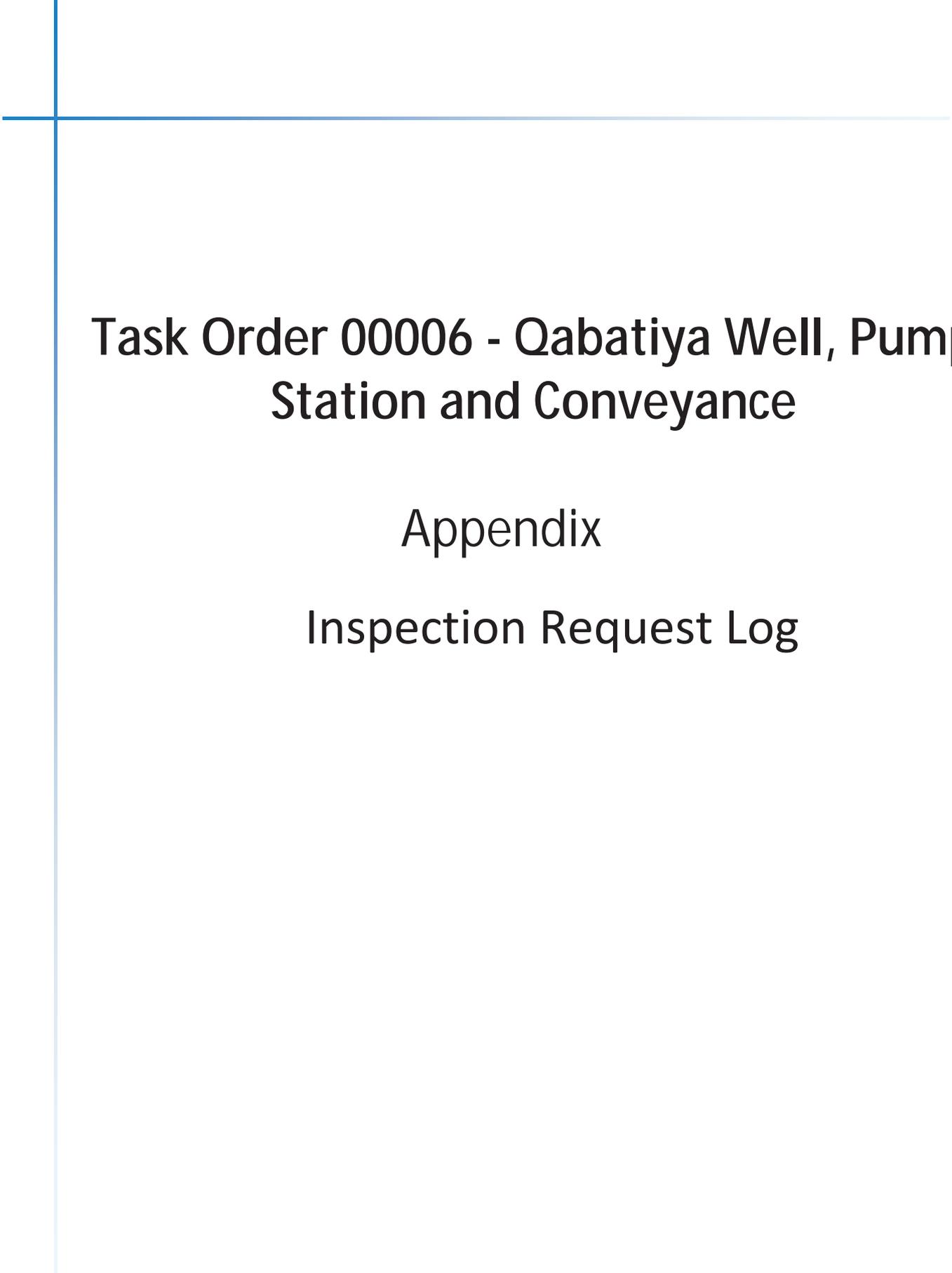
\* Total Man-days = Total Hours / 8

\*\* This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

**Electrical Engineer:**(Telecomm Department Director,TS&CC Director, Solution Engineer, Senior Software Engineer)

**Skilled Labor:** Senior Project Technician

**Skilled Labor :** Certified welding Inspector, Welder's assistant.



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

**Appendix**

**Inspection Request Log**

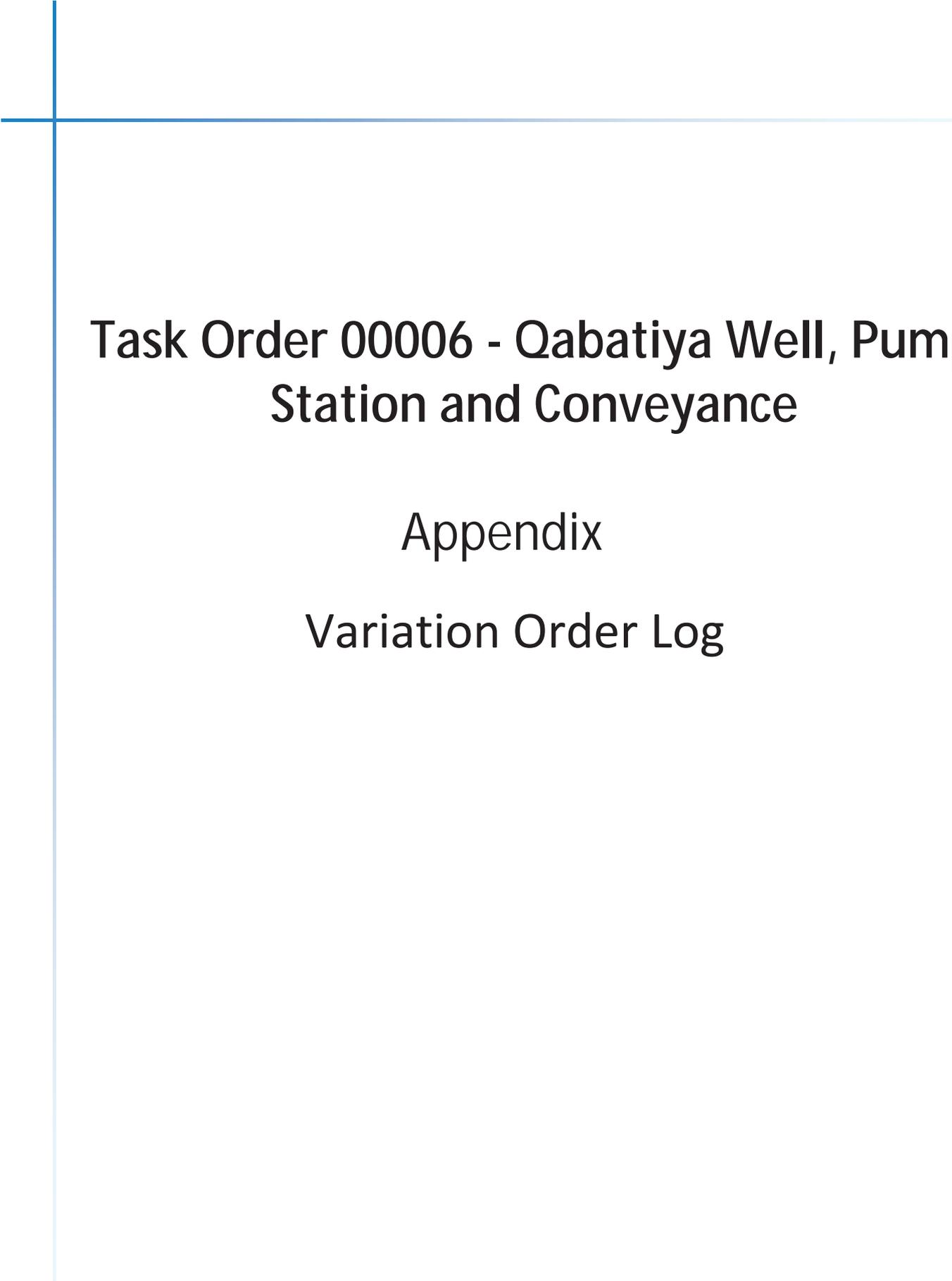
USAID Contract No.: AID-294-I-00-12-00001

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

Qabatiya Well Pump Station And Conveyance System

Inspection Request

IR No.	Description	submitted Date to CMC	Inspection Date	Degree
IR-13-00006-QBW-155B	Installation of manhole frames and covers for the installed precast valve chambers at stations 3446.05, 3091.91 and 2664.61 on the conveyance system.	03/06/2015	03/06/2015	A
IR-1300006-QBW-289A	Inspection for the Delivery of White Coping Stone to Be Used for Parpet Tops (Illustrated in the Attached MRR#009)	10/06/2015	10/06/2015	A
IR-1300006-QBW-290A	Inspection for the installation of two access hatches at the roof slab of the balance tank (for both eastern and western compartment ) prior to placing concrete	10/06/2015	10/06/2015	C
IR-1300006-QBW-290B	Inspection for the installation of two access hatches at the roof slab of the balance tank (for both eastern and western compartment ) prior to placing concrete	11/06/2015	11/06/2015	A
IR-1300006-QBW-291A	Inspection for the Installation of Electrical Conduit Pipes for Intrusion Switches of the Two Access Hatches of the Balance Tank's Roof Slab.	10/06/2015	10/06/2015	A
IR-1300006-QBW-292A	Inspection for the installation of electrical conduit pipes below the slab on of disinfection building as per the attached drawing	14/06/2015	15/06/2015	C
IR-1300006-QBW-292B	Inspection for the installation of electrical conduit pipes below the slab on of disinfection building as per the attached drawing	22/06/2015	23/06/2015	A
IR-1300006-QBW-293A	Inspection for the concrete preparations of internal surfaces of living quarter walls and the construction of first block course	15/06/2015	15/06/2015	C
IR-1300006-QBW-293B	Inspection for the concrete preparations of internal surfaces of living quarter walls and the construction of first block course	16/06/2015	16/06/2015	A
IR-1300006-QBW-294A	Inspection for the installation of coping stone for the parapet tops of the living quarter	16/06/2015	16/06/2015	C
IR-1300006-QBW-295A	Inspection for the delivery of miscellaneous valve ,flanges and other mechanical parts as illustrated in the attached MMR#008	17/06/2015	17/06/2015	C
IR-1300006-QBW-296A	Inspection of safety preparations and light fixtures at qabatiya well site prior to starting construction activities during night -shift	25/06/2015	25/06/2015	C
IR-1300006-QBW-296B	Inspection of safety preparations and light fixtures at qabatiya well site prior to starting construction activities during night -shift	28/06/2015	28/06/2015	A
IR-1300006-QBW-297A	Inspection for the installation of steel reinforcement and vapor barrier sheets at the slab-on-grade of the disinfection building prior to casting concrete	25/06/2015	Retracted 25/6/ 2015	
IR-1300006-QBW-297A	Inspection for the installation of steel reinforcement and vapor barrier sheets at the slab-on-grade of the disinfection building prior to casting concrete	25/06/2015	28/06/2015	A
IR-1300006-QBW-298A	Inspection for the delivery of PVC pipes and fitting of different diameters as shown in the attached MRR-010	28/06/2015	29/06/2015	A
IR-1300006-QBW-299A	Inspection for the installation of electrical conduit pipes and earthing boxes at the walls of chlorination building prior to closing the shuttering	29/06/2015	29/06/2015	A
IR-1300006-QBW-300A	Inspection for the installation of mechanical and plumbing pipes at the walls of chlorination building prior closing the shuttering	29/06/2015	30/06/2015	A
IR-1300006-QBW-301A	Surface finishing works inside the eastern compartment of the balance tank prior to filling water for water tightness test and internal epoxy coating	30/06/2015	30/06/2015	A



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

Appendix

Variation Order 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

Variation Order Log

VO NO.	Description	Submitted Date to CMC	Date Returned from CMC
VO-00006-QBW-001	Time Extension	9/9/2013	9/20/2013
VO-00006-QBW-002	Roackfill layer Under the Balancing tank	10/9/2013	10/30/2013
VO-00006-QBW-003	Construction of Retaining Wall around the Balancing Tank	11/26/2013	12/3/2013
VO-00006-QBW-004	Substitution of Pipe Zone Backfill material (Bedding Materials), Mechanical Changes in the Conveyance Pipeline Connection Chambers, Change the staging Area, Change in the Mobilization and New Definitive Project Quantities	08/24/2014	20/10/2014
VO-00006-QBW-005	Modification No.1-Redesign of Qabatiya Pump Station	05/03/2014	24/12/2014
VO-00006-QBW-006	Mechanical Changes in Chambers and final Definitive Quantities for Qabatiya Conveyance System	13/04/2015	22/4/2015

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

## **Appendix Equipment List**

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

Task Order No.: AID-294-TO-13-00006

Qabatiaya Well Pump Station And Conveyqance System

Equipment List-June 2015

Backhoe/Idle	06/01/2015 to 06/16/2015	JCB	2011
Backhoe	17/06/2015	JCB	2011
Backhoe/Idle	06/18/2015 to 06/21/2015	JCB	2011
Backhoe	22/06/2015	JCB	2011
Backhoe/Idle	06/23/2015 to 06/30/2015	JCB	2011
Concrete Vibrator	27/06/2015		2010
water tank	14/06/2015	Mercedes	1976
water tank	15/06/2015	Mercedes	1976
water tank	16/06/2015	Mercedes	1976

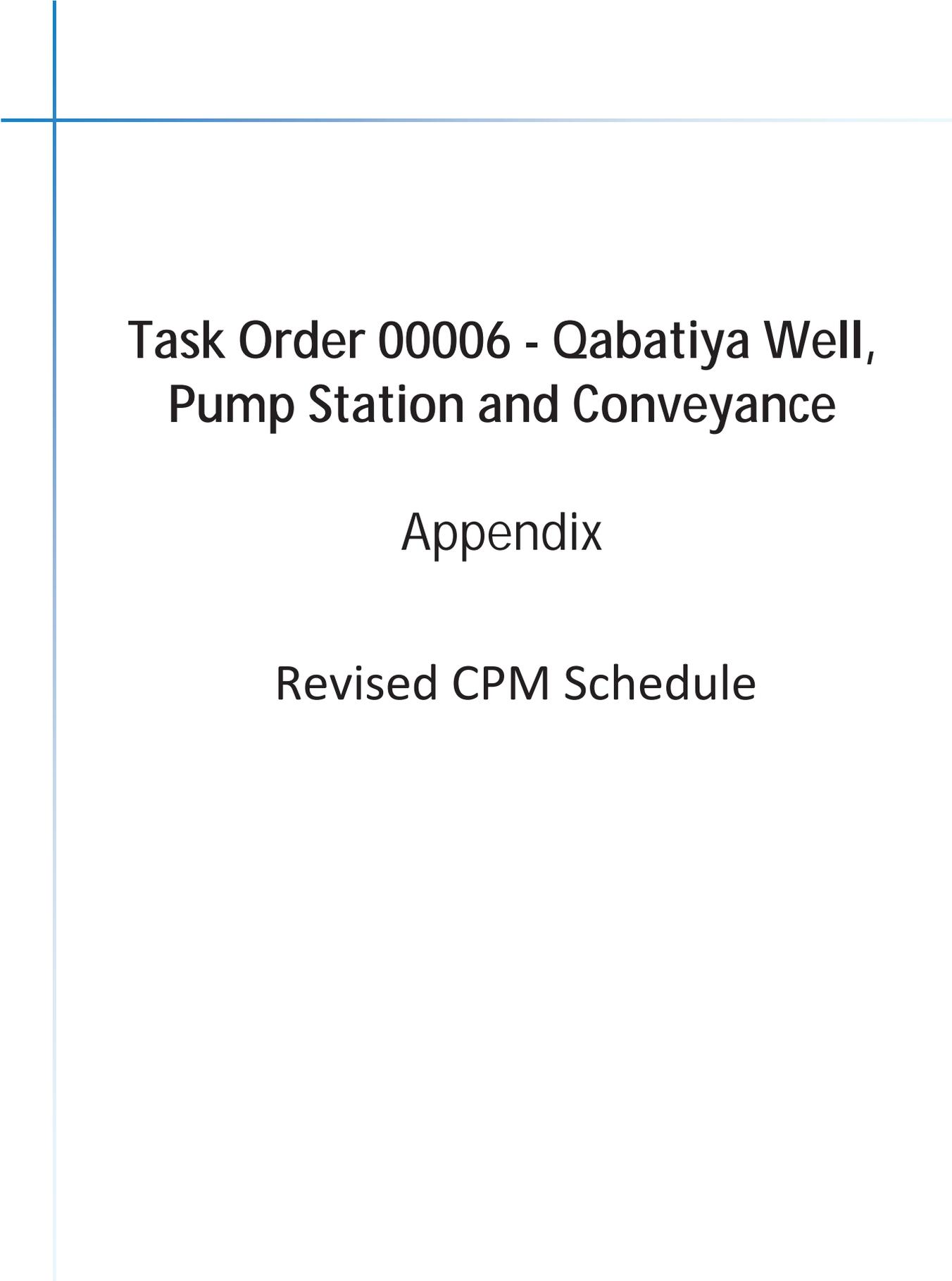
# **Task Order 00006 - Qabatiya Well, Pump Station and Conveyance**

## **Appendix**

### **Risks and Mitigation Measures**

**Task Order Risk Register**

Number	Category	Risk Name	Description	Pre-Mitigation Probability	Pre-Mitigation Cost Impact	Risk Matrix						Mitigation	Risk Owner	Description	Pre-Mitigation Probability	Risk Matrix													
						Impact	1	2	3	4	5					Probability	Impact	1	2	3	4	5	Probability						
1	Scope and Type(s) of Work	Protection of existing well site utilities during site construction	The existing utilities at the Qabatiya Well site might be damaged during construction activities.	Unlikely	Marginal	5	4	3	2	1	1	2	3	4	5	Mitigation – Before the start of construction activities, the subcontractor will identify all existing utilities and review As Built Drawings to avoid damaging existing utilities. Existing utilities that are not part of construction activities will be identified and protected to avoid damage. Also, test pits June be performed prior to any excavation activities.	CDM Smith	Very Unlikely	Marginal	5	4	3	2	1	1	2	3	4	5
2	Scope and Type(s) of Work	Removal of fallen submersible pump	As per revised BOQ, the fallen submersible pump has to be removed from the well	Moderately Likely	Critical	5	4	3	2	1	1	2	3	4	5	Mitigation – CDM Smith will search for the fallen pump as per specifications and get more further instructions for the next steps from Engineer.	CDM Smith	Moderately Likely	Critical	5	4	3	2	1	1	2	3	4	5
3	Scope and Type(s) of Work	Material Procurement	Long lead items that will procured abroad and delivered to QBW site	Unlikely	Marginal	5	4	3	2	1	1	2	3	4	5	Mitigation – CDM Smith and at earlier stages started negotiation with proposed qualified vendors for all equipment and/or material that are not available in the local market. Purchase orders for some material had been issued, others are in progress.	CDM Smith	Unlikely	Marginal	5	4	3	2	1	1	2	3	4	5

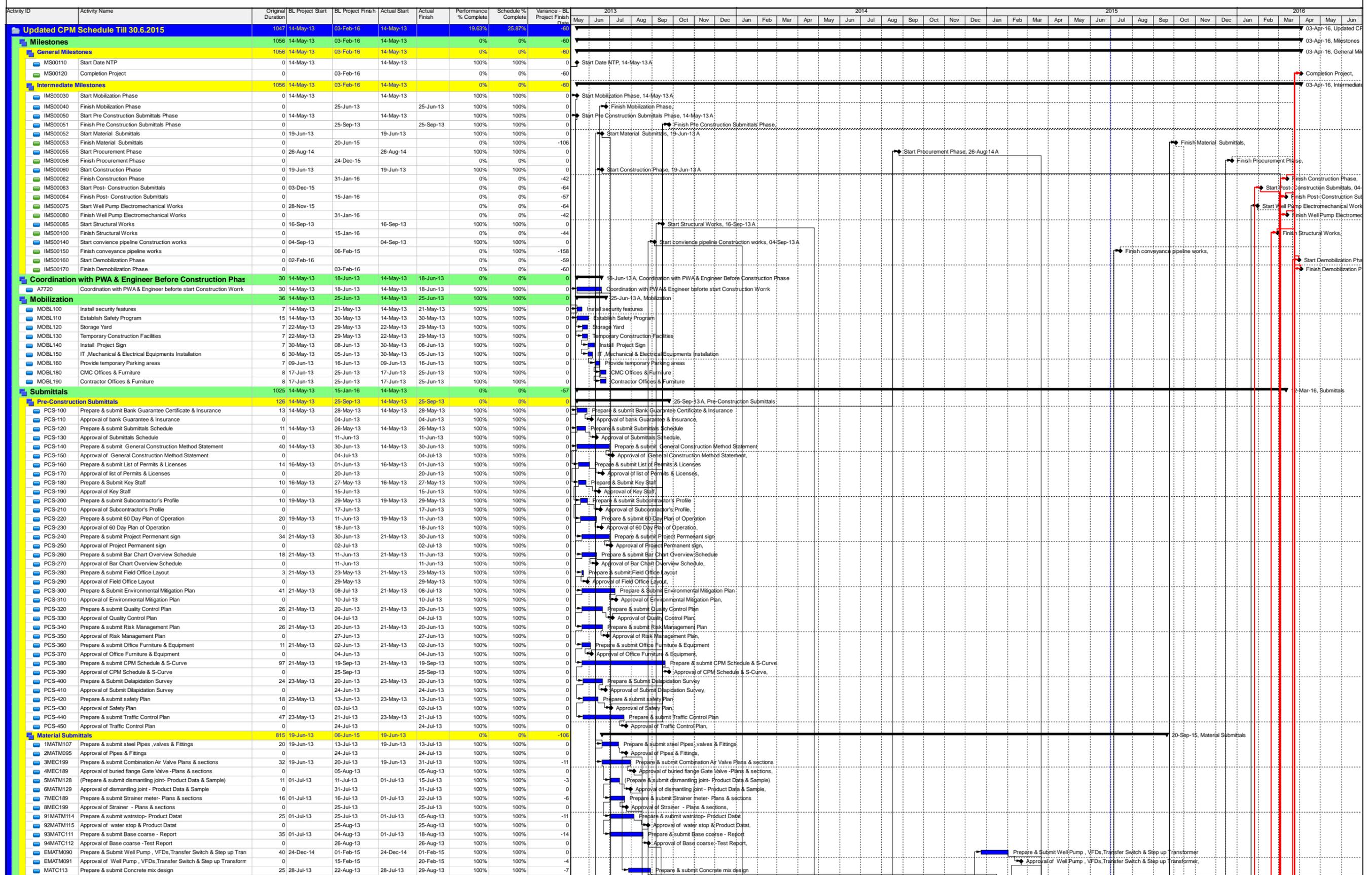


# **Task Order 00006 - Qabatiya Well, Pump Station and Conveyance**

## **Appendix**

### **Revised CPM Schedule**

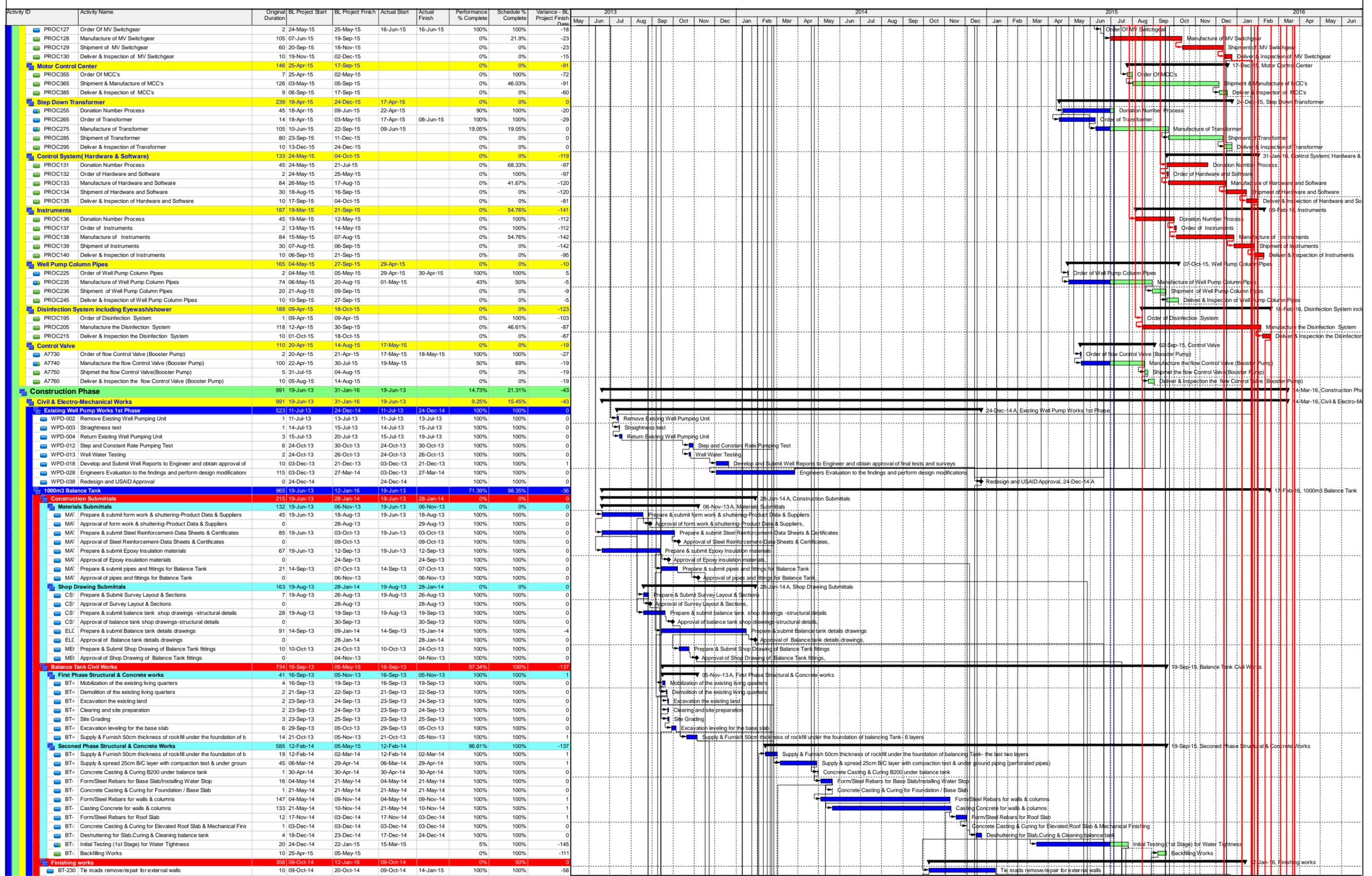
Updated CPM Schedule Till 30.6.2015



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



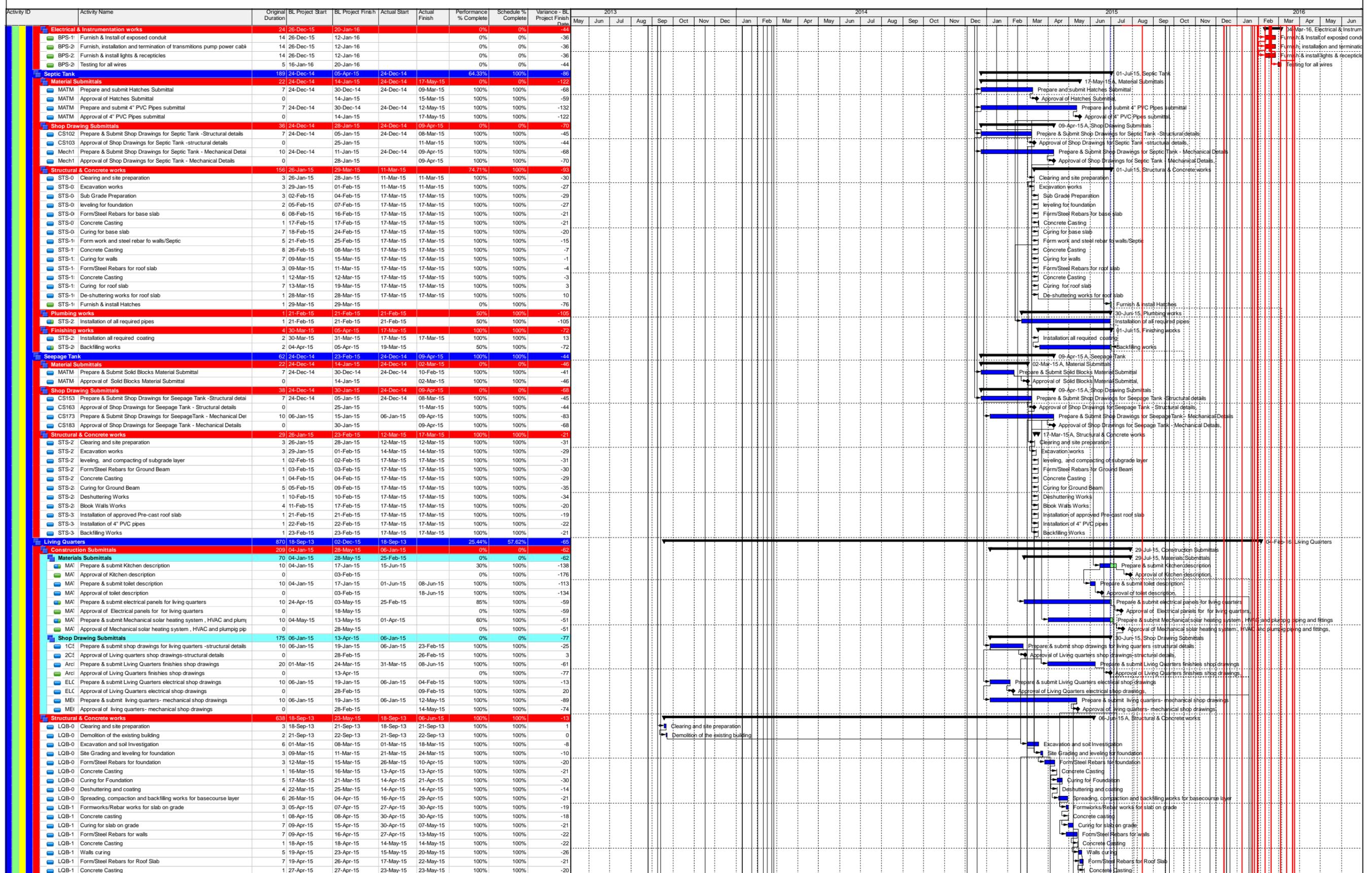
Updated CPM Schedule Till 30.6.2015



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



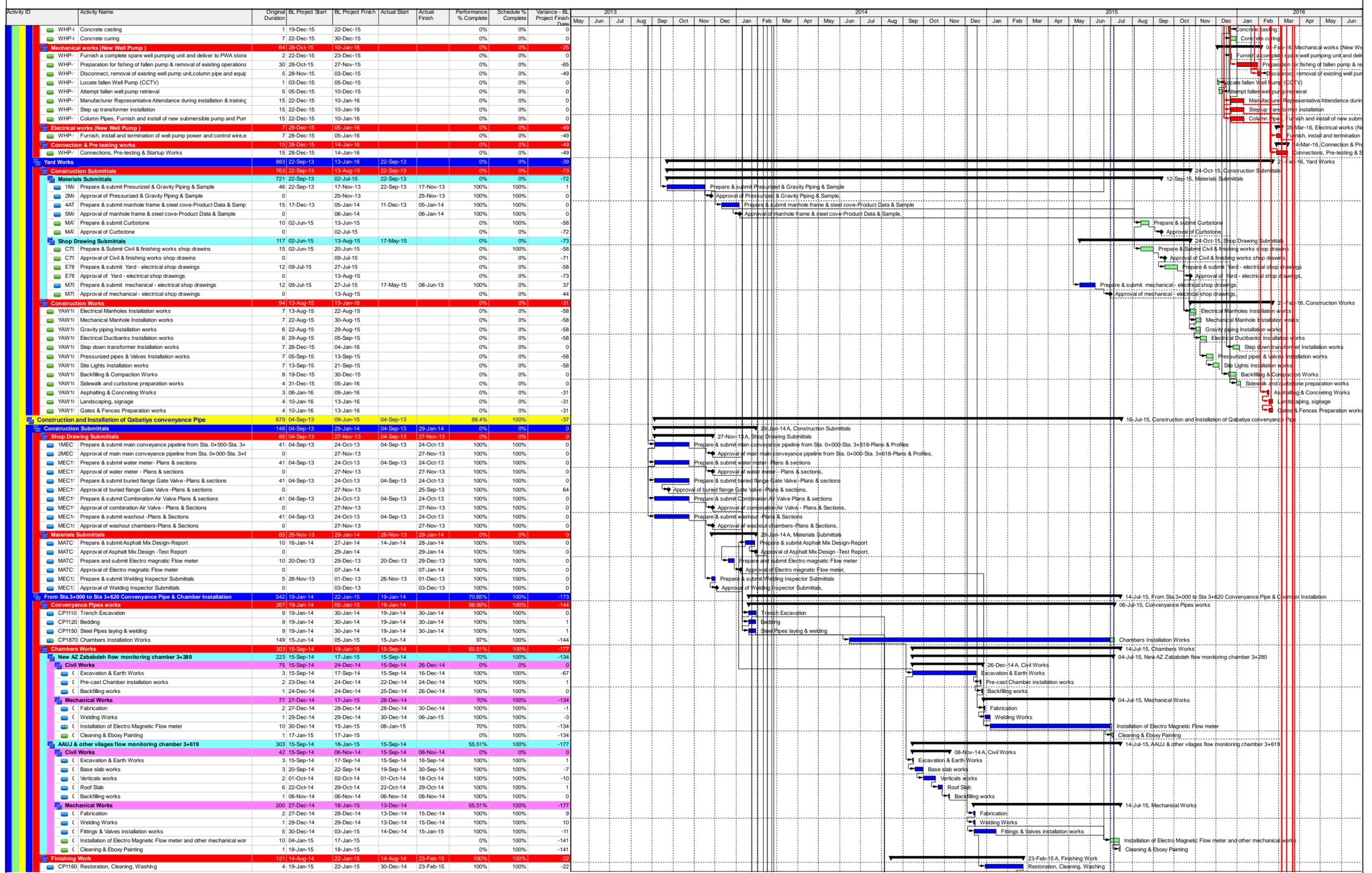
Updated CPM Schedule Till 30.6.2015



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

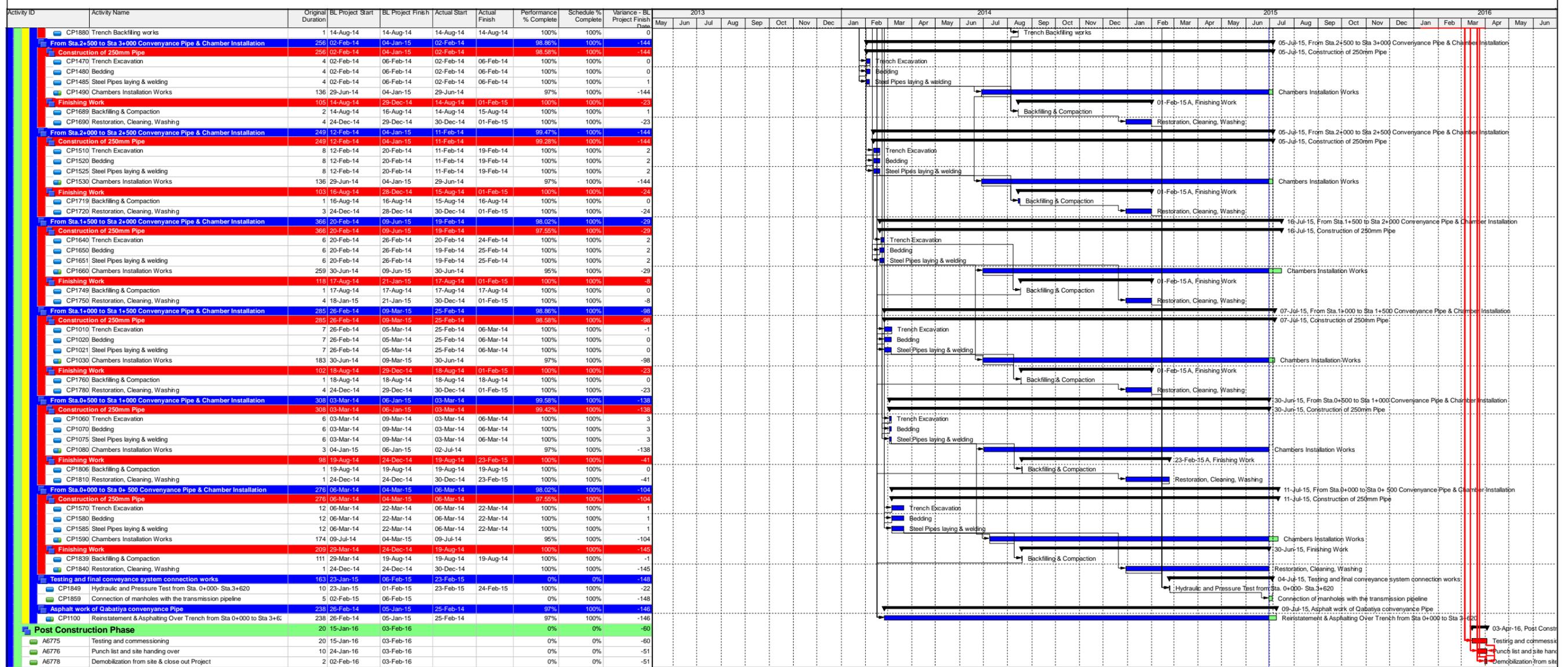






█ Actual Level of Effort   
 █ Remaining Work   
 █ Critical Remaining Work  
█ Actual Work   
 ◆ Milestone   
 ▼ summary

Updated CPM Schedule Till 30.6.2015



█ Actual Level of Effort    █ Remaining Work    █ Critical Remaining Work  
█ Actual Work    █ Critical Remaining Work