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WEST BANK/GAZA

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

Monthly Progress Report # 24

For the Month of May 2015

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List of Acronyms and Abbreviations

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



1. DASHBOARD - INTRODUCTION AND SUMMARY

Monthly Report No.24 covers activities accomplished during the month of May 2015 and previews activities anticipated during the next month, June 2015.

1.1 Purpose and Background

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

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

1.2 Objectives of Task Order 00006

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

1.3 Work/Activity Status

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

Activity Name	Percent Complete	Planned Start Actual Start	Planned Finish Actual Finish
Preconstruction Coordination with PWA	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Mobilization	100%	<u>14 May 2013</u> 14 May 2013	<u>25 June 2013</u> 25 June 2013
Submittals	58%	<u>14 May 2013</u> 14 May 2013	<u>15 January 2016</u> TBD
Procurement and Delivery	15%	<u>26 August 2013</u> 26 August 2013	<u>24 December 2015</u> TBD
Construction Phase	14.55%	<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-fourth in a series of Monthly Reports to be prepared by CDM Smith providing a summary of key project activities during consecutive monthly reporting periods.

2.2. Submission of Most Recent Invoices

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

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



2.3. Staff Information

At the end of this reporting period, 31st May 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. Mr. Connors visited the West Bank to finalize the procurement issues from May 18 to May 21, 2015.
- 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 at the western compartment of the balance tank failed, and accordingly the repairing procedure for the leak areas is in progress. The eastern compartment is full with water now to start the test. The construction works for the foundations, walls, roof slab, slab on grade and the parapet of the living quarter and the foundations of the disinfection building are ready.

Along the conveyance system, the plan for the partial handing over was officially resubmitted for Engineer's review on May 26, 2015.

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:
 - Flow control valve for the meeting branch of Qabatiya Town;
 - pressure reducing Valve at booster pump discharge header;
 - Mechanical Shop Drawings for Yard Piping at Qabatiya Pump Station;
 - Xylem Gould WT Vertical Turbine Can Pumps;
 - Monthly Update for Environmental Monitoring and Mitigation Plan for April 2015;
 - Padmount Transformer (sub-496A);
 - Mechanical Shop Drawing for Living Quarter HVAC System (Roof & Floor Plans);
 - Monthly QC/QA and Safety Plans Updates;
 - Mechanical Upgrading for Raba and Aqqaba Existing Chambers As Per the Approved VOR#10-B;
 - Insulated Copper Pipes for AC Split Units;
 - Construction Method Statement for Connecting Both AAUJ & Azzabdeh Chambers and Upgrading Both Raba & Aqqaba Existing Chambers;
 - Samples of Aluminum Window and Accessories;
 - Disinfection Plan for Conveyance System;
 - Updated CPM Construction Schedule (Up to April 30, 2015);
 - Fan for Toilet Inside the Living Quarter;
 - Manufacturer's Certification and Sample of Coping;
 - Test report on concrete compressive strength for Slab-on-grade of living quarter + Pit of disinfection building (7-day result). Ref: M/1505/5;
 - Manufacturer's Certification and Sample of sample of window sills;
 - PVC pipes and fittings (Fischer & Spears);
 - Revised mechanical shop drawing for living quarter based on RFI-099's response;
 - Revised manifold for living quarter based on RFI-099's response;
 - Method statement for leakage repair for the balance tank;
 - Shop drawing of window sills, jambs and lintels;



- Structural as-built drawing for 1000 m³ balance tank;
- Orifice Plate Calculations (differential pressure = 18m);
- Test report concrete compressive strength (28-days)for Edge foundation of living quarter Ref: M/1504/124a);
- Investigation report and remedy plan for the leakage at the balance tank;
- Concrete Block Samples (S1=10CM width, S2=20CM width);
- Details for Hollow concrete Blocks;
- Sample for polystyrene sheet (30mm thickness) for insulation purposes;
- Test Report on Concrete Compressive Strength for Edge Foundation and Pit of the Disinfection Building (28-Day Result). Ref: M/1504/203a;
- Sample for corner beads;
- Safety and mitigation plan for the disinfection of Qabatiya conveyance system;
- Sample for scupper drain assembly;
- Method statement of finishing works for Qabatiya Well Station buildings;
- Sample of information plate for pipe markers on transmission mains;
- Test Report on Concrete Compressive Strength for walls of the living quarter (07-Day Result). Ref: M/1505/173;
- Sample and data sheet for (nitoseal PU40) building sealant;
- Emergency drench shower with stainless steel eyewash inside the disinfection building;
- Sample and data sheet of epoxy anchor grout (AK fix C920);
- Galvanized Wire Mesh;
- Shop drawing for electro-mechanical installation of the eyewash inside the disinfection building;
- Storage area for products and fabricated materials;
- Method statement of balance tank repair using injection method;
- Medium Voltage Switchgear;
- Details of the washout outfalls on the conveyance system;
- Air Conditioning Split Units for Electrical Room;
- Variable Frequency Drive (VFD) for the Booster Pumps;
- Test report on concrete compressive strength for Slab-on-grade of living quarter + Pit of disinfection building (28-day result). Ref: M/1505/5a;
- Protective Device Studies Qualifications (alternative);
- Structural Design of Anchorage for Handrail & Ladders (external & Internal);
- Manufacturer profile and sample of Steel Door Frame and
- 3" - PN25 PRV for Existing Raba Chamber as per approved VOR-010B.

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.



Date	Management (Person day)	Engineers (Person day)	Skilled Labor (Person day)	Unskilled Labor (Person day)	Other (Person day)	Total (Person day)
May 2013	86.88	44.13	0.00	0.00	2.50	133.50
June 2013	125.25	50.88	3.63	0.00	0.00	179.75
July 2013	114.75	44.00	79.25	46.00	16.63	300.63
Aug 2013	93.38	72.63	0.00	22.00	0.00	188.00
Sep 2013	127.13	179.00	72.38	32.13	3.75	414.38
Oct. 2013	124.63	179.13	88.63	39.13	8.13	439.63
Nov.2013	101.25	172.63	49.13	36.50	0.00	359.50
Dec. 2013	109.00	164.38	139.25	67.13	0.00	479.75
Jan. 2014	105.13	174.25	205.00	166.88	7.88	659.13
Feb. 2014	102.63	190.00	193.00	211.63	42.13	739.38
March 2014	114.00	207.25	129.50	122.38	21.13	594.25
April 2014	115.50	233.13	78.38	79.13	0.00	506.13
May 2014	105.63	173.38	213.88	112.88	0.00	605.75
June 2014	107.00	150.38	151.13	117.50	6.00	532.00
July 2014	81.50	65.00	16.75	114.88	0.50	278.63
August 2014	112.25	101.50	131.25	216.63	4.13	565.75
Sept. 2014	107.13	78.63	207.88	93.75	4.13	491.50
Oct. 2014	84.38	60.50	186.13	185.13	0.00	516.13
Nov. 2014	109.63	59.25	195.13	183.50	9.38	556.88
Dec. 2014	127.63	52.88	195.38	122.50	3.38	501.75
Jan. 2015	94.88	95.13	145.50	67.25	4.13	406.88
Feb.2015	88.38	117.25	40.75	43.50	0.00	289.88
Mar.2015	89.50	159.50	31.38	87.63	9.50	377.50
April. 2015	92.50	152.00	36.13	70.63	13.75	365.00
May.2015	95.50	146.63	62.88	76.25	11	392.25

The total cumulative generated Man-Days to date are 10364.88

Female employment generated to date is 509.

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 May 07, 2015.

3.4. Meetings and Correspondence with CMC and Subcontractors

- Sunday - 05/03/2015 – Technical coordination meeting with BV in BV’s Ramallah office to discuss the status of pending VORs.
- Monday – 05/04/2015 - Joint walkthrough with BV, WBWD and ABC to determine the exact route alignment for the existing water pipelines adjacent to both AAUJ & Azzababdeh flow monitoring chambers.
- Tuesday – 05/05/2015 – Technical coordination meeting with CDM Smith – USA office via conference call.
- Tuesday – 05/12/2015 – Technical coordination meeting with CDM Smith – USA office via conference call.
- Thursday – 05/14/2015 - - Technical coordination meeting with CDM Smith – USA office and ABC via conference call.
- Wednesday – 05/20/2015 –
 - ✓ Technical coordination meeting between BV, CDM Smith & ABC;
 - ✓ Technical coordination meeting between CDM Smith (Qabatiya & USA office), ABC via conference call.
- Thursday – 05/28/2015 – Biweekly meeting # 33 with BV was held at Engineer’s Primary Field Office.

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 and will be issued soon for the 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 living quarter's walls, roof slab and parapet walls) 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 walls, roof slab and parapet walls of the living quarter.

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 situation CDM Smith and subcontractor have organized the site to comply with safety procedure and create safely work environment .

CDM smith's safety Engineer had prepared safety and mitigation plan for disinfection of Qabatiya conveyance system. The plan was approved. Once CDM Smith and the subcontractor ABC proceed with disinfection activities, CDM Smith safety engineer will follow up step by step those activities in order to overcome that in a safe condition.

CDM smith's safety Engineer conducted Toolbox on May 24, 2015 explained to the labors and the second tier subcontractor the Basic of Ladder Safety as well as the scaffoldings. Also he reminded the labors and the second tier subcontractor of the importance of wearing the PPE and how to act in emergency cases and the location of contact emergency numbers.

CDM Smith's safety engineer explained to the labors the importance of using proper tools to achieve the activities and how to deal with unexpected accidental occur.

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

Recognize the labors for safety procedure = minimizes injury or illness.

Lesson learned 2

Proper tools, wearing PPE to achieve the activities = prevents or minimizes injury or illness to the user.

Lesson learned 3

TIDY SITE = SAFE SITE

Lesson learned 4

Applying Safety plans and using the proper signs = prevents or minimizes injury or illness.

Lack of adherence with safety tool a/o equipment + Lack of housekeeping = Painful injuries.

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.

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 May 2015 attached. Below is a summary for the project percentages of completion.

Performance % Complete =	19.46 %
Schedule % Complete=	22.88 %
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 that is expected to be issued to CMC around end of June 2015. 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 June 2015

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

- Start excavation and construction of the electrical buildings.
- Starting 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.
- Starting installation of the metal works for the balancing tank.
- Continue working on Partial Handover Plan 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 June, 2015.

5.5. Planned Meetings and Correspondence with CMC

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



5.6. Planned Meetings and Correspondence with Others

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

6. ISSUES AND CONSTRAINTS

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

6.1. Administration

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

6.2. Qabatiya Conveyance System :

No issues at this time.

6.3 Qabatiya Well Site:

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

6.4 Others

No 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



USAID
FROM THE AMERICAN PEOPLE

WEST BANK/GAZA



Curing for the SOG of living quarter by applying wet burlap mats , 03 May 2015



Formwork for the walls of the living quarter , 03 May 2015



Joint walkthrough along the conveyance system and chambers attended by CMC, PWA, CDM Smith and ABC, 04 May 2015



Formwork, steel reinforcement and electrical conduit piping for the walls of living quarter, 04 May 2015



HDPE pipes serving as air vents for the sewage line of the living quarter, 05 May 2015



Formwork for the walls of the living quarter , 06 May 2015



Formwork, steel reinforcement and electrical conduit piping at the living quarter walls, 06 May 2015



Closing the shuttering for living quarter walls, 10 May 2015



Conducting leakage test for the ventilation pipes of the sewage ling of living quarter, 10 May 2015



Closing the shuttering of living quarter walls, 11 May 2015



Installation of electrical conduit pipes and tubes at the walls of the living quarter, 12 May 2015



Installation of HDPE pipe below the SOG of the disinfection building, it serves as drain for eye wash and shower, 12 May 2015



Placing concrete over the eye-wash and shower drain pipe as an encasement , 12 May 2015



Closing the shuttering of living quarter walls , 13 May 2015



CDM Smith engineer supervising the loading & mixing process at Me'mar concrete plant , 14 May 2015



Casting concrete for the walls of living quarter , 14 May 2015



Formwork for the roof slab of the living quarter, 17 May 2015



Steel reinforcement and electrical works at the roof slab of the living quarter, 18 May 2015



Steel reinforcement and electrical works at the roof slab of the living quarter ,19 May 2015



Formwork erection for the walls and slab-on-grade of the disinfection building , 20 May 2015



Electrical conduit piping works at the roof slab of the living quarter, 20 May 2015



Electrical piping works and pipes installation for the AC split units at the roof slab of the living quarter , 21 May 2015



Casting concrete for the roof slab of the living quarter, 23 May 2015



HCL technician collecting concrete samples for compressive test, 23 May 2015



CDM Smith Safety Officer conducting safety toolbox meeting at Qabatiya Well Site , 24 May 2015



Curing for the concrete of living quarter's roof slab by applying wet burlap mats , 25 May 2015



Flagman controlling traffic and concrete mixers movement near Qabatiya Site , 27 May 2015



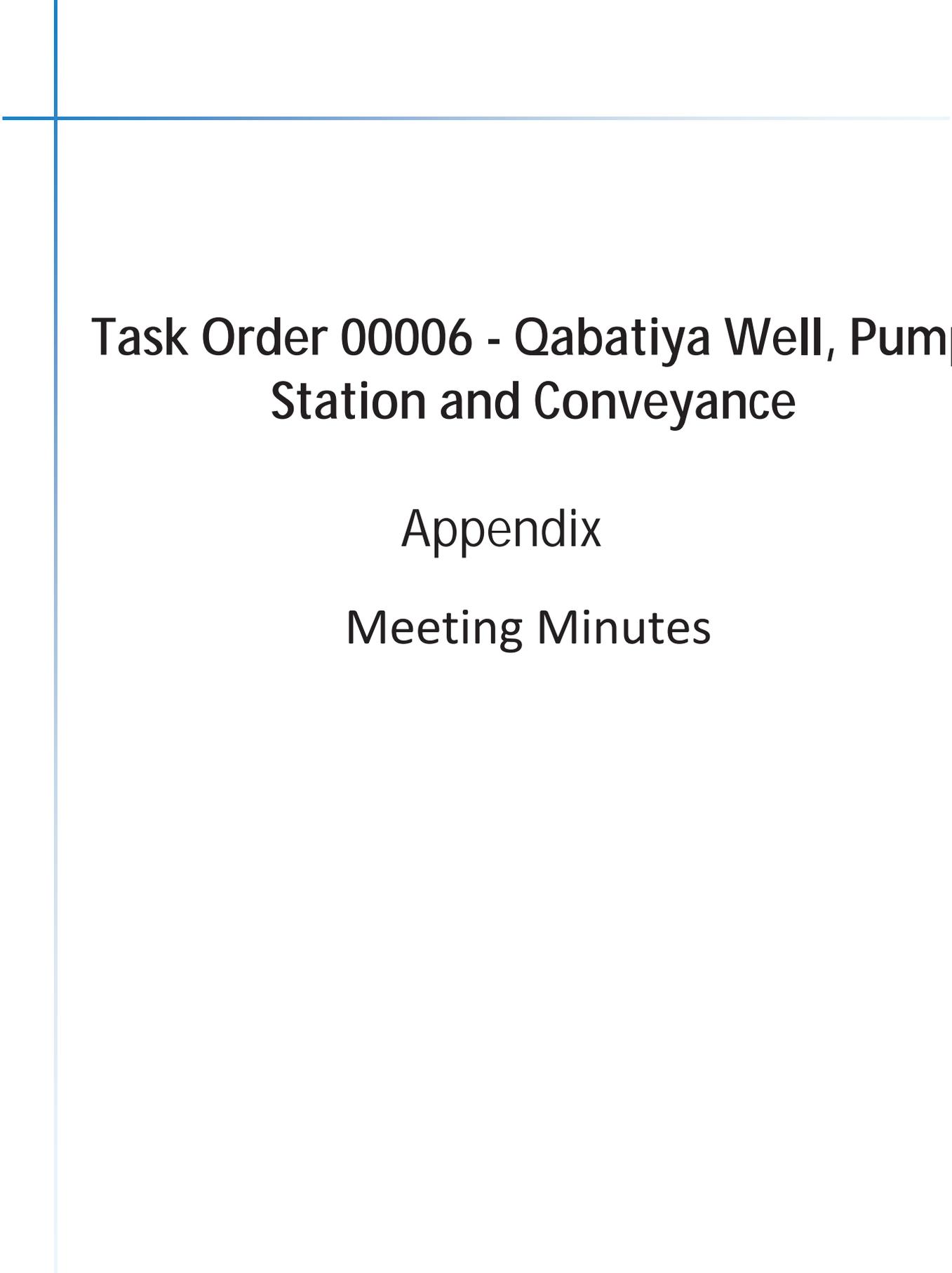
Casting concrete for the parapet walls of the living quarter, 27 May 2015



Bi-weekly progress meeting held at CMC's field office, 28 May 2015



Delivery of miscellaneous valves and mechanical parts to Qabatiya Project, 30 May 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 #33

Date:

Thursday, May 28, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD

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USAID

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Black and Veatch

Mr. Mukhles Najajreh
Ms. Renee Saad
Mr. Murad Daoud
Ms. Lubna Haj Hamad
Mr. Tamer Assaf

CDM Smith and Subcontractors

Mr. Ghassan Thaher
Mr. Talal Mahasin
Mr. Abed Baker
Mr. Ali Odeh
Mr. Moussa Anbar
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, **NCR:** Non Compliance Report, **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 745 Days (74.80%)
- Project Planned Overall % of Completion 22.84%
- Project Actual Overall % of Completion 18.92%
- Total Float (Variance Duration) -72 Days

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #33.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.

3. Documents Attached:

- Progress Meeting Agenda #33.
- Attendees List.
- Two Weeks Look Ahead by CDM Smith.

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



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM #32	<p>Safety. 1.1 Asbestos Sheets.</p> <p>BV reminded CDM Smith regarding the removal and disposal environmental plan of the existing asbestos sheets at Qabatiya well pump station. Furthermore, BV stated that CDM Smith response on the Environmental checklist for April month regarding this issue is not accepted, and further stated that the removal and disposal of the existing asbestos sheets is CDM Smith responsibility as per contract requirements.</p> <p>CDM Smith stated that the signed contract documents do not address this issue. However, CDM Smith has contacted several authorities regarding this issue, but neither of which has agreed to take custody of the asbestos sheets for disposal. Accordingly CDM Smith requested BV's support.</p>	<p>CDM Smith</p> <p>Info</p>	All Times
	PM#29	<p>1.2 Housekeeping.</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>1.3 Scaffolding and Ladders.</p> <p>BV urged CDM Smith to comply with project safety plan and OSHA standards regarding scaffolding and ladders.</p>	CDM Smith	All Times
2	PM #26	<p>Quality. 2.1 Record Drawings.</p> <p>BV reminded CDM Smith to maintain a full set of record drawings to reflect all changes and field orders/site memos in accordance with specification 01300 and 01700. Furthermore, BV reminded CDM Smith to furnish final record drawings to CMC, every three months. Moreover, BV emphasized on the importance of the record drawings which will affect the progress payments process and amount.</p>	CDM Smith	All Times
		<p>CDM Smith stated that they will follow up this issue, and mentioned that a set of record drawings have been submitted to CMC on May 27, 2015.</p>	CDM Smith	May 27, 2015



3	PM #01	<p><u>Progress of Work.</u> 3.1 Progress Summary by CDM Smith.</p> <p>CDM Smith presented a brief progress of work and distributed a progress percentages (refer to attached copy) comparing the actual completion percentage and planned percentages for the project. Furthermore, CDM Smith stated that casting concrete for the living quarter building has been completed.</p> <p>BV raised concern with respect to the reported delays and requested from CDM Smith to exert more efforts to submit the long lead items in order to cover the delays, otherwise, construction activities for electrical control and metering buildings will be affected.</p>	Info	ASAP
	PM#01	<p>3.2 Two Weeks Look Ahead.</p> <p>CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).</p> <p>BV requested from CDM Smith to send the schedule accompanied with material procurement list enough time prior the meeting to allow for CMC review.</p>	Info	
	PM #32	<p>3.3 Long Lead Items.</p> <p>CDM Smith advised that Switch Gear, Booster Pump and VFD submittals were submitted to CMC, while MCC will be submitted on June 03, 2015. Furthermore, CDM Smith stated that soft & hardware will be procured from IC System, and added that the required qualifications will be submitted to CMC shortly.</p> <p>BV urged CDM Smith to update the status of the long lead items procurement regularly and stated that the schedule will be used as tracking tool.</p> <p>Moreover, BV reminded CDM Smith that the Pre-submittal Conference Process Control and Instrumentation shall be conducted as per contract documents.</p>	CDM Smith CDM Smith CDM Smith	Jun 03, 2015 ASAP All Time
	PM #32	<p>3.4 Balance Tank Leakage Test.</p> <p>CDM Smith stated that moist areas and drop in water level were observed at Balance Tank's western compartment; and accordingly, a joint inspection with FOSROC representative was conducted to investigate the possible causes of water level drop. The inspection showed that several defects points were observed at Balance Tank's pit and accordingly the defects were repaired and the test will be re-started shortly.</p> <p>On the other hand, CDM Smith stated that moist areas were observed at</p>	Info CDM Smith	ASAP



		<p>the Balance Tank's eastern compartment, and further stated that repair works are currently ongoing as per contract documents and accepted method statement.</p> <p>BV raised concerns with respect to the slow repair progress and leakage test activities, and urged CDM Smith to exert more effort to push the progress forward.</p>	<p>Info</p> <p>CDM Smith</p>	<p>ASAP</p>
4	<p>PM #26</p>	<p><u>Submittals.</u></p> <p>4.1 Required Variation Order Requests.</p> <p>BV enquired from CDM Smith about the submission date of the required variation order. Furthermore, BV emphasized on the importance of the VORs' submission and further stated that any delays caused thereby shall be the total responsibility of CDM Smith.</p> <p>CDM Smith stated that VOR # 03-C, VOR # 04-C, VOR # 05-C & VOR # 013-B will be submitted on May 28, 2015 while VOR for Chlorination system will be submitted by the beginning of next week.</p>	<p>Info</p> <p>CDM Smith</p>	<p>May 28 & 31, 2015</p>
5	<p>PM #01</p>	<p><u>Financial.</u></p> <p>5.1 Financial</p> <p>BV enquired from CDM Smith about the submission date of payment No. 09.</p> <p>CDM Smith stated that Payment No. 09 will be submitted shortly.</p>	<p>Info</p> <p>CDM Smith</p>	<p>ASAP</p>
6	<p>PM #01</p>	<p><u>Reports.</u></p> <p>6.1 Monthly Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	
	<p>PM #01</p>	<p>6.2 Daily Joint Report.</p> <p>No issues were reported during the meeting.</p>	<p>Info</p>	
7	<p>New</p>	<p><u>Others.</u></p> <p>7.1 Donation Numbers.</p> <p>CDM Smith advised that donation numbers are being processed with USAID and expected to be issued by next week.</p>	<p>Info</p>	
	<p>PM #32</p>	<p>7.2 Request for Information.</p> <p>BV reminded CDM Smith to include cost and technical comparisons to allow CMC proper review and provide final response.</p>	<p>CDM Smith</p>	<p>All Times</p>

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #33**

Date:

Thursday, May 28, 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 Asbestos Deck.
- 1.2 Housekeeping.
- 1.3 Scaffolding and Ladders.

2. Quality.

- 2.1 Record Drawings.

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 Required Variation Order Request.

5. Financial.

6. Reports.

6.1. Daily Joint Reports.

6.2. Monthly Reports.

7. Others.



Subject: TO13-00006 QBW: Progress Meeting #33

West Bank/Gaza INP II

Venue: B&V Office – Az-Zababdeh

Date: May 28, 2015

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

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Ali Taysar odeh	Sch. & conf. Eng.	CDMSmith	05922997723	odeha@cdmsmith.com	
2	Yousef Alqum	PM	ATSC	0597088612	Yelqum@q-brothers.com	
3	Abdel Rahman Bakeer	Safety Eng.	CDMSmith	0592-997700	bakeerar@cdmsmith.com	
4	Moussa Anbar	FFA Manager	CDMSmith	0599556610	anbarMd@cdmsmith.com	
5	Talal Mahasin	QC/QA	CDMSmith	0592997702	mahasint@cdmsmith.com	
6	Ghassan Thaher	PM	CDMSmith	0592997701	thaherg@cdmsmith.com	
7	Temer Assaf	OE	B&V	0592997718	Assatt@bv.com	
8	Renee Saad	Sr. PM	B&V	0598930474	saadr@bv.com	
9	Muhammad Daoud	QA	BV	0598934662	DaoudMa@bv.com	
10	Mukhtes Hajjireh	PM	BV	0598984660	Hajjireh.M@bv.com	
11	Lubna Haj Hamad	Sr. OE	BV	0598934661	Hajhamad.L@bv.com	
12						
13						
14						
15						
16						
17						

Date: 23rd April, 2015

Updated CPM Schedule Till: 27th May, 2015

- Qabatiya Well Pump Station and Conveyance System:

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

- Planned % complete = 22.84%
- Performance % complete = 19.46 %
- Float = - 60 Days

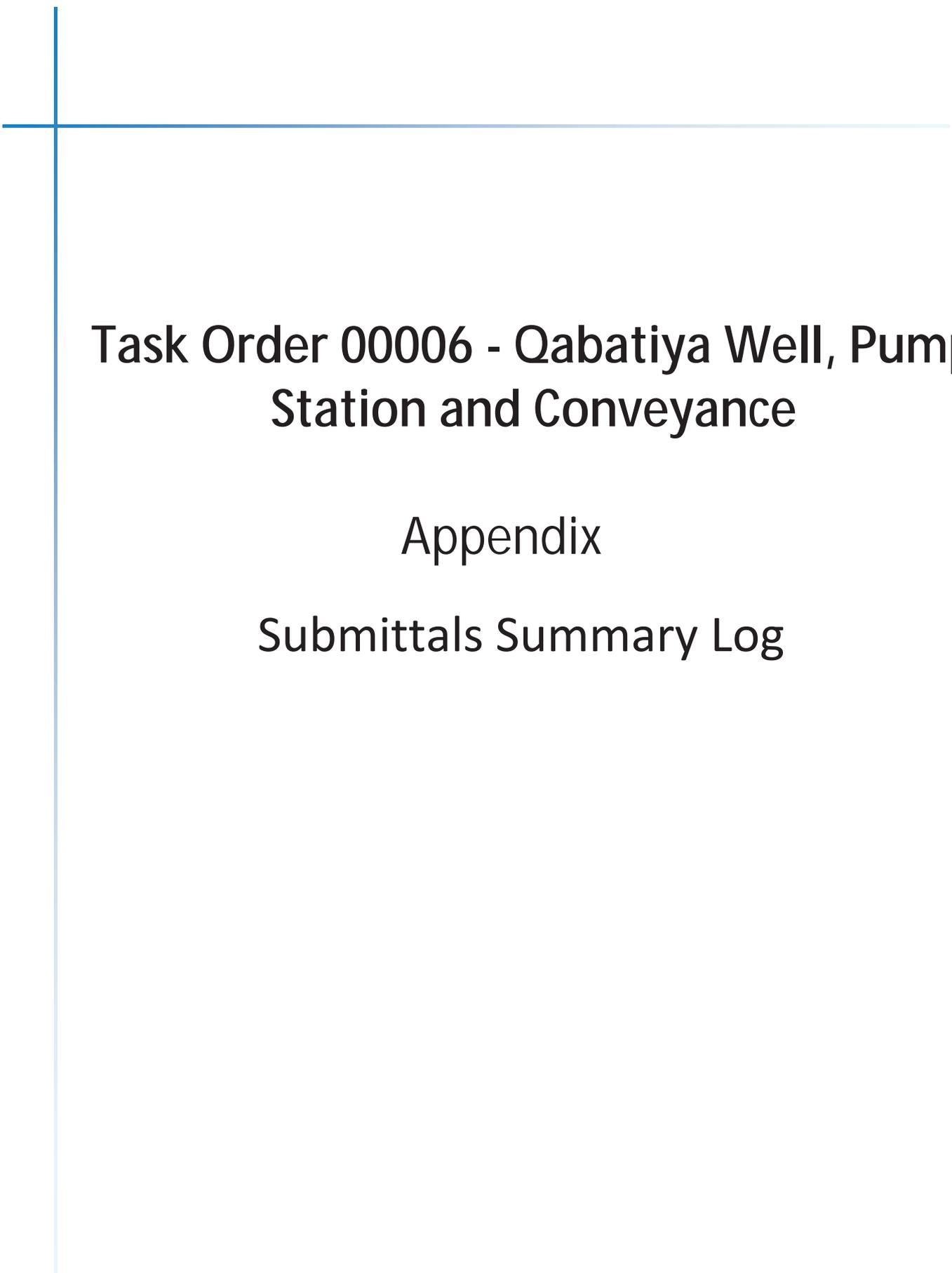
Activity ID	Activity Name	Original Duration	BL Project Start	BL Project Finish	Actual Start	Actual Finish	Shifted Start	Shifted Finish	Performance % Complete	Schedule % Complete	2015	
											Jun	Jul
Updated CPM Schedule Till 27.5.2015												
Milestones												
Coordination with PWA & Engineer Before Construction Phase											08-Jun-15, Milestones	
Submittals												
Pre-Construction Submittals												
Material Submittals												
MATE100	Prepare & submit Electrical Panels,light accessories,conduites,wires,pull box, for Disinfection & Storage Building	31	23-Jan-15	22-Feb-15	25-Jan-15		25-Jan-15 A	30-May-15	90%	100%	Prepare & submit Electrical Panels,light accessories,conduites,wires,pull box, for Disinfection & Storage Building	
MATE102	Prepare & submit Electrical motor control centers-Electrical Control Building	30	23-Feb-15	24-Mar-15	24-Feb-15		24-Feb-15 A	07-Jun-15	60%	100%	Prepare & submit Electrical motor control centers-Electrical Control Building	
MATE104	Prepare & Submit Electrical panels for Electrical Metering building	30	25-Mar-15	23-Apr-15			08-Jun-15	07-Jul-15	0%	100%	Prepare & submit Electrical panels for Electrical Metering building	
MATE123	Prepare & submit Instrumentation (Well Systems,Balance Tank-1000 m3 Electrical and Control Building and Living Quarters)	30	02-Feb-15	03-Mar-15	31-Mar-15		31-Mar-15 A	13-Jun-15	40%	100%	Prepare & submit Instrumentation (Well Systems,Balance Tank-1000 m3 Electrical and Control Building and Living Quarters)	
MATM121	Prepare and submit Disinfection system including Eyewash/shower	30	23-Feb-15	24-Mar-15			27-May-15	25-Jun-15	0%	100%	Prepare and submit Disinfection system including Eyewash/shower	
MATM172	Prepare and submit Hydro pneumatic Control Bladder Tank	14	19-Apr-15	02-May-15	19-Apr-15		19-Apr-15 A	31-May-15	70%	100%	Prepare and submit Hydro pneumatic Control Bladder Tank	
Post Construction Submittals												
Operation & Maintenance Submittals												
O&M 7770	Prepare & Submit Manual Outline	20	15-Apr-15	04-May-15	15-Apr-15		15-Apr-15 A	08-Jun-15	35%	100%	08-Jun-15, Operation & Maintenance Submittals Prepare & Submit Manual Outline	
Procurement												
Conveyance Pipe and fittings												
Yard- Pressure Piping												
Yard - Gravity Piping												
Submersible Pump & VFDs												
PROC111	Donation Number Process	45	16-Feb-15	14-Apr-15	31-Mar-15		31-Mar-15 A	13-Jul-15	15%	100%	Donation Number Process	
PROC113	Manufacture of Well Pump & VFDs	210	23-Feb-15	20-Sep-15	25-Mar-15		25-Mar-15 A	20-Sep-15	44.29%	44.29%	Manufacture of Well Pump & VFDs	
Booster Pumps												
VFDs for Booster Pump												
Hydro pneumatic Tank												
MV Switchgear												
Motor Control Center												
Step Down Transformer												
PROC255	Donation Number Process	45	18-Apr-15	09-Jun-15	22-Apr-15		22-Apr-15 A	13-Jul-15	15%	73.33%	Donation Number Process	
PROC265	Order of Instrumentation & Control Equipment	14	18-Apr-15	03-May-15	17-Apr-15		17-Apr-15 A	06-Jun-15	40%	100%	Order of Instrumentation & Control Equipment	
Control System(Hardware & Software)												
Instruments												
Well Pump Column Pipes												
PROC235	Manufacture of Well Pump Column Pipes	74	06-May-15	20-Aug-15	01-May-15		01-May-15 A	24-Aug-15	16%	17.57%	Manufacture of Well Pump Column Pipes	
Disinfection System including Eyewash/shower												
Control Valve												
A7740	Manufacture the flow Control Valve(Booster Pump)	100	22-Apr-15	30-Jul-15	19-May-15		19-May-15 A	24-Aug-15	10%	35%	Manufacture the flow Control Valve(Booster Pump)	
Construction Phase												
Civil & Electro-Mechanical Works												
Existing Well Pump Works 1st Phase												
1000m3 Balance Tank												
Construction Submittals												
Balance Tank Civil Works												
First Phase Structural & Concrete works												
Second Phase Structural & Concrete Works												
BT-211	Initial Testing (1st Stage) for Water Tightness	20	24-Dec-14	22-Jan-15	15-Mar-15		15-Mar-15 A	02-Jun-15	70%	100%	02-Jun-15, Balance Tank Civil Works Initial Testing (1st Stage) for Water Tightness	
Finishing works												
BT-250	Apply Polyamide Epoxy Surfaces System 102 (Internal Walls) & Base	20	24-Jan-15	17-Feb-15			08-Jun-15	02-Jul-15	0%	100%	Apply Polyamide Epoxy Surfaces System 102 (Internal Walls) & Base	
Metal Fabricated Works												
Mechanical Works												
Electrical & Instrumentation works												
BT-390	Cables & Electricity Supply & Installation (Power Services 380 Volt,3 Phase)	5	24-Dec-14	30-Dec-14			27-May-15	01-Jun-15	0%	100%	01-Jun-15, Electrical & Instrumentation works Cables & Electricity Supply & Installation (Power Services 380 Volt,3 Phase)	
Balance Test												
Retaining Wall Works												
Booster Pump System												
Septic Tank												
Seepage Tank												
Living Quarters												
Construction Submittals												
Materials Submittals												
MATARC1	Prepare & submit Kitchen description	10	04-Jan-15	17-Jan-15			27-May-15	07-Jun-15	0%	100%	07-Jun-15, Construction Submittals 07-Jun-15, Materials Submittals Prepare & submit Kitchen description	
MATARC2	Prepare & submit toilet description	10	04-Jan-15	17-Jan-15			27-May-15	07-Jun-15	0%	100%	Prepare & submit toilet description	
MATMEC21	Prepare & submit Mechanical solar heating system , HVAC and plumpig piping and fittings	10	04-May-15	13-May-15	01-Apr-15		01-Apr-15 A	30-May-15	60%	100%	Prepare & submit Mechanical solar heating system , HVAC and plumpig piping and fittings	
Shop Drawing Submittals												
Arch180	Prepare & submit Living Quarters finishes shop drawings	20	01-Mar-15	24-Mar-15	31-Mar-15		31-Mar-15 A	02-Jun-15	70%	100%	02-Jun-15, Shop Drawing Submittals Prepare & submit Living Quarters finishes shop drawings	
Structural & Concrete works												
LQB-191	Curing Concrete for Slab	7	28-Apr-15	04-May-15	24-May-15		24-May-15 A	29-May-15	60%	100%	Curing Concrete for Slab	
LQB-200	Deshuttering for Slab,Curing & Cleaning living quarters	7	11-May-15	19-May-15			04-Jun-15	13-Jun-15	0%	100%	Deshuttering for Slab,Curing & Cleaning living quarters	
LQB-201	Parabel Preparation works	4	20-May-15	23-May-15	24-May-15	26-Jun-15	24-May-15 A	26-Jun-15 A	100%	100%	Parabel Preparation works	
Finishing works												
Electromechanical works												
LQB-181	plumbing equipment and piping & Installation of Split system air conditioning unit	7	23-Jun-15	29-Jun-15	13-Apr-15		13-Apr-15 A	31-May-15	80%	0%	plumbing equipment and piping & Installation of Split system air conditioning unit	
LQB-209	Mechanical plumbing , HVAC and solar heating system	25	29-May-15	22-Jun-15	13-Apr-15		13-Apr-15 A	26-Aug-15	50%	0%	Mechanical plumbing , HVAC and solar heating system	
Disinfection Building												
Construction Submittals												
Materials Submittals												
MATM108	Prepare & submit pipes & fittings of Disinfection Building	10	10-Mar-15	21-Mar-15	10-Mar-15		10-Mar-15 A	01-Jun-15	50%	100%	01-Jun-15, Construction Submittals 01-Jun-15, Materials Submittals Prepare & submit pipes & fittings of Disinfection Building	
Shop Drawing Submittals												
ARC126	Prepare & submit Disinfection Building finishes	10	11-Apr-15	21-Apr-15	01-Apr-15		01-Apr-15 A	31-May-15	60%	100%	31-May-15, Shop Drawing Submittals Prepare & submit Disinfection Building finishes	
ELEC123	Prepare & submit Electrical Plans & Sections for Disinfection Building	10	10-Mar-15	21-Mar-15	10-Mar-15		10-Mar-15 A	28-May-15	85%	100%	Prepare & submit Electrical Plans & Sections for Disinfection Building	
Structural & Concrete works												
Finishing works												
HVAC & Mechanical Works												
DFN-280	Installation of utility Piping <110mm including pipe supports & valves	3	09-May-15	11-May-15	19-Apr-15		19-Apr-15 A	10-Jun-15	40%	100%	10-Jun-15, HVAC & Mechanical Works Installation of utility Piping <110mm including pipe supports & valves	

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

Updated CPM Schedule Till 27.5.2015 - Two Weeks Look Ahead

Activity ID	Activity Name	Original Duration	BL Project Start	BL Project Finish	Actual Start	Actual Finish	Shifted Start	Shifted Finish	Performance % Complete	Schedule % Complete	2015		
											Jun	Jul	
DFN-370	Installation of Exhaust fans,duct work,grille	7	09-Nov-15	19-Nov-15			02-Jun-15	10-Jun-15	0%	0%	Installation of Exhaust fans,duct work,grille		
DFN-330	Installation of lights,receptacles,conduit, cables wires,pull box,enclosure, lighting protection system	6	02-Nov-15	08-Nov-15	18-Apr-15		18-Apr-15 A	02-Jun-15	5%	0%	02-Jun-15, Electrical & Instrumentation works Installation of lights,receptacles,conduit, cables wires,pull box,enclosure, lighting protection system		
Coating & Finishing Works													
Electrical Metering Building													
Construction Submittals													
Materials Submittals													
MATARC-1	Prepare & submit tiles data sheet	10	21-Mar-15	31-Mar-15			27-May-15	07-Jun-15	0%	0%	07-Jun-15, Materials Submittals		
MATARC-2	Prepare & submit Paint data sheet	10	21-Mar-15	31-Mar-15			27-May-15	07-Jun-15	0%	100%	Prepare & submit tiles data sheet		
MATC135	Prepare & submit finishing details (windows,doors)	10	21-Mar-15	31-Mar-15			27-May-15	07-Jun-15	0%	100%	Prepare & submit Paint data sheet		
MATM160	Prepare & Submit Coatings-Product	10	21-Mar-15	31-Mar-15			27-May-15	07-Jun-15	0%	100%	Prepare & submit finishing details (windows,doors)		
Shop Drawing Submittals													
CS118	Prepare & submit Electrical metering Building shop structural drawings	10	04-Apr-15	14-Apr-15			08-Jun-15	20-Jun-15	0%	100%	Prepare & Submit Coatings-Product		
Structural & Concrete works													
Finishing works													
Electrical & Instrumentation works													
HVAC-Plumbing													
Coating & Finishing Works													
Electrical Controls Building & Vaults													
Construction Submittals													
Material Submittals													
MATM220	Prepare and submit Indoor-outdoor units	20	21-Apr-15	13-May-15			27-May-15	20-Jun-15	0%	100%	20-Jun-15, Electrical Controls Building & Vaults		
MATM240	Prepare and submit packaged AC units	20	21-Apr-15	13-May-15			27-May-15	20-Jun-15	0%	100%	20-Jun-15, Construction Submittals		
Shop Drawing Submittals													
Structure & Concrete works													
Finishing Works													
Electrical & Instrumentation works													
Mechanical Works													
Coating & Finishing works													
Pre testing works													
Well head & Pads													
Yard Works													
Construction and Installation of Qabatya conveyance Pipe													
Post Construction Phase													

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



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Submittals Summary Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-446B	Partial Hand over plan for Qabatiya Conveyance system	26/05/2015		
SUB-13-00006-QBW-455B	Follow control valve for the meeting branch of Qabatiya Town	03/05/2015	12/05/2015	B
SUB-13-00006-QBW-457B	pressure reducing Valve at booster pump discharge header	03/05/2015	12/05/2015	B
SUB-13-00006-QBW-471B	Mechanical Shop Drawings for Yard Piping at Qabatiya Pump Station	27/05/2015		
SUB-13-00006-QBW-472B	Xylem Gould WT Vertical Turbine Can Pumps	26/05/2015		
SUB-13-00006-QBW-485A	Monthly Update for Environmental Monitoring and Mitigation Plan for April 2015	03/05/2015	06/05/2015	A
SUB-13-00006-QBW-486A	Update Risk Management Plan for April 2015	03/05/2015	05/05/2015	B
SUB-13-00006-QBW-487A	Mechanical Shop Drawing for Living Quarter HVAC System (Roof & Floor Plans)	03/05/2015	06/05/2015	C
SUB-13-00006-QBW-487B	Mechanical Shop Drawing for Living Quarter HVAC System (Roof & Floor Plans)	07/05/2015	11/05/2015	B
SUB-13-00006-QBW-488A	Monthly QC/QA and Safety Plans Updates	03/05/2015	06/05/2015	A
SUB-13-00006-QBW-489A	Mechanical Upgrading for Raba and Aqqaba Existing Chambers As Per the Approved VOR#10-B	03/05/2015	11/05/2015	C
SUB-13-00006-QBW-489B	Mechanical Upgrading for Raba and Aqqaba Existing Chambers As Per the Approved VOR#10-B	17/05/2015	26/05/2015	B
SUB-13-00006-QBW-490A	Insulated Copper Pipes for AC Split Units	04/05/2015	05/05/2015	A
SUB-13-00006-QBW-491A	Construction Method Statement for Connecting Both AAUJ & Azzabdeh Chambers and Upgrading Both Raba & Aqqaba Existing Chambers.	05/05/2015	12/05/2015	A
SUB-13-00006-QBW-492A	Samples of Aluminium Window and Accessories	05/05/2015		Retracted
SUB-13-00006-QBW-492A	Samples of Aluminum Window and Accessories	31/05/2015		
SUB-13-00006-QBW-493A	Disinfection Plan for Conveyance System	06/05/2015	17/05/2015	C
SUB-13-00006-QBW-493B	Disinfection Plan for Conveyance System	21/05/2015	26/05/2015	A
SUB-13-00006-QBW-494A	Updated CPM Construction Schedule(Up to April 30, 2015	06/05/2015	20/05/2015	B
SUB-13-00006-QBW-495A	Fan for Toilet Inside the Living Quarter	07/05/2015	11/05/2015	B
SUB-13-00006-QBW-496A	Padmount Transformer	07/05/2015	18/05/2015	B
SUB-13-00006-QBW-497A	Manufacturer's Certification and Sample of Coping	07/05/2015	11/05/2015	B
SUB-13-00006-QBW-498A	Test Report on Concrete Compressive Strength for slab on grade of living quarter +pit of Disinfection Building (7-Day Result). Ref: M/1505/5	10/05/2015	11/05/2015	A
SUB-13-00006-QBW-499A	shop drawing of parapet Coping	10/05/2015	12/05/2015	B
SUB-13-00006-QBW-500A	Manufacturer's Certification & sample of windows sills	11/05/2015	12/05/2015	B
SUB-13-00006-QBW-501A	PVC Pipes & Fittings (Fischer & spears)	12/05/2015	17/05/2015	B
SUB-13-00006-QBW-502A	Revised mechanical shop drawing for living quarter based on RFI-99 response	12/05/2015	14/05/2015	B
SUB-13-00006-QBW-503A	Revised manifold for living quarter based on RFI-99 response	12/05/2015	14/05/2015	A
SUB-13-00006-QBW-504A	Method statement for leakage repair of the balance tank	12/05/2015		Retracted 17/5/2015
SUB-13-00006-QBW-505A	Shop Drawing of Windows Sill, Jams and Lintels	13/05/2015	19/5/2015	B
SUB-13-00006-QBW-506A	Structural As Built drawing for 1000m ³ water balance tank	13/05/2015		
SUB-13-00006-QBW-507A	Orifice plate Calculation (different pressure=18m)	17/05/2015	21/05/2015	B
SUB-13-00006-QBW-508A	Test report concrete compressive strength (28days)for Edge foundation of living quarter Ref:M/1504/124a)	17/05/2015	17/05/2015	A
SUB-13-00006-QBW-509A	Investigation report and remedy plan for the leakage at the balance tank	18/05/2015	26/05/2015	B
SUB-13-00006-QBW-510A	Concrete block samples (S1=10cm width S2=20cm width)	18/05/2015	21/05/2015	B
SUB-13-00006-QBW-511A	Detail for Hollow concrete blocks	18/05/2015	26/05/2015	B
SUB-13-00006-QBW-512A	Sample for polystyrene sheet (30mm thickness)for insulation purposes	18/05/2015	18/05/2015	C
SUB-13-00006-QBW-513A	Test Report on Concrete Compressive Strength for Edge Foundation and Pit of The Disinfection Building (28-Day Result). Ref: M/1504/	19/05/2015	19/05/2015	A
SUB-13-00006-QBW-514A	Company profile for cadick corporation and their software "SKM"with license#106757 that will perform the protective device studies	19/05/2015	20/05/2015	A
SUB-13-00006-QBW-515A	Sample of corner beads	19/05/2015	21/05/2015	A
SUB-13-00006-QBW-516A	Safety and mitigation plan for the Disinfection of Qabatiya conveyance system	20/05/2015	21/05/2015	B
SUB-13-00006-QBW-517A	Sample of scupper drain Assembly	20/05/2015	21/05/2015	C
SUB-13-00006-QBW-517B	Sample of scupper drain Assembly	21/05/2015	26/05/2015	B
SUB-13-00006-QBW-518A	Method statement of finishing works for Qabatiya well station building	20/05/2015	27/05/2015	C
SUB-13-00006-QBW-518B	Method statement of finishing works for Qabatiya well station building	31/05/2015		
SUB-13-00006-QBW-519A	Sample for information plate for pipe markers on Transmission mains	21/05/2015	27/05/2015	C
SUB-13-00006-QBW-520A	Test Report on Concrete Compressive Strength for Walls of living quarter Building (7-Day Result). Ref: M/1505/173	24/05/2015	26/05/2015	A
SUB-13-00006-QBW-521A	Sample and data sheet of (Nitoseal PU40)building sealant	24/05/2015	26/05/2015	A
SUB-13-00006-QBW-522A	Emergency drench shower with stainless steel eyewash inside the disinfection building	24/05/2015		
SUB-13-00006-QBW-523A	sample and data sheet of epoxy anchor grout (Akfix C920)	24/05/2015	28/05/2015	B
SUB-13-00006-QBW-524A	Galvanised wire mesh	25/05/2015		
SUB-13-00006-QBW-525A	Shop drawing for electro-mechanical installation of the eye wash inside the disinfection building	25/05/2015		
SUB-13-00006-QBW-526A	Storage area for products and fabricated materials	25/05/2015		
SUB-13-00006-QBW-527A	Method statement of balance tank repair using injection method	25/05/2015	27/05/2015	A
SUB-13-00006-QBW-528A	Medium Voltage Switchgear	26/05/2015		
SUB-13-00006-QBW-529A	Details for washout on the conveyance system	27/05/2015		
SUB-13-00006-QBW-530A	Air Conditioning Split Units for Electrical room	27/05/2015		
SUB-13-00006-QBW-531A	Variabile frequency drive for booster pumps	27/05/2015		
SUB-13-00006-QBW-532A	Test Report on Concrete Compressive Strength for slab on grade of living quarter +pit of Disinfection Building (28-Day Result). Ref: M/1505/5a	28/05/2015	28/05/2015	A
SUB-13-00006-QBW-533A	Ceramic Tile (for floor & wall)	28/05/2015		
SUB-13-00006-QBW-534A	Protective Device studies qualifications (alternative)	28/05/2015		
SUB-13-00006-QBW-535A	Structural design of anchorage for handrail & ladders (External & internal)	31/05/2015		
SUB-13-00006-QBW-536A	Manufacturers profile & sample of steel door frames	31/05/2015		
SUB-13-00006-QBW-537A	3"-PN25pressure reducing valve for existing Raba chamber as per approved VOR-010B	31/05/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Invoices Log

**USAID WESR BANK/GAZA
 INFRASTRUCTURE NEEDS Program
 INVOICES LOG SHEET
 TASK ORDER NO. : AID-294-TO-13-00006
 Qabatiya Well Pump Station and Conveyance System**

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

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-100	Qabatiya well-power supply	17/05/2015	27/05/2015	10
RFI-00006-QBW-101	Ball valves on PVC Sch 80 Pipes	19/05/2015	31/05/2015	12
RFI-00006-QBW-102	Construction of Electrical Control Building (based on CMC's response to RFI-091)	19/05/2015		
RFI-00006-QBW-103	Replacement of concrete masonry units (CMU)-based on CMC's response to RFI-089	21/05/2015		
RFI-00006-QBW-104	Replacment of Aluminum window security screen with steel protuction	28/05/2015	28/05/2015	Retracted
RFI-00006-QBW-105	MV switch Gear(based on CMC's response to RFI-096)	31/05/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Geo MIS logs

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

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

Qabatiya Well Pump Station and Conveyance System

Temporay Job Days Summary Report

Task Order Name: To-13-00006

PERIOD FROM: 5/14/2013

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

PERIOD TO: 4/30/2015

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	
Total of FY 2013							1216.25	51	
October	2013	124.63	179.13	88.63	39.13	8.13	439.63	18	
November	2013	101.25	172.63	49.13	36.50	0.00	359.50	15	
December	2013	109.00	164.38	139.25	67.13	0.00	479.75	20	
January	2014	105.13	174.25	205.00	166.88	7.88	659.13	28	
February	2014	102.63	190.00	193.00	211.63	42.13	739.38	31	
March	2014	114.00	207.25	129.50	122.38	21.13	594.25	25	
April	2014	115.50	233.13	78.38	79.13	0.00	506.13	21	
May	2014	105.63	173.38	213.88	112.88	0.00	605.75	25	
June	2014	107.00	150.38	151.13	117.50	6.00	532.00	22	
July	2014	81.50	65.00	16.75	114.88	0.50	278.63	12	
August	2014	112.25	101.50	131.25	216.63	4.13	565.75	24	
September	2014	107.13	78.63	207.88	93.75	4.13	491.50	21	
Total of FY 2014							6251.38	263	
October	2014	84.38	60.50	186.13	185.13	0.00	516.13	21.69	
November	2014	109.63	59.25	195.13	183.50	9.38	556.88	23.40	
December	2014	127.63	52.88	195.38	122.50	3.38	501.75	21.08	
January	2015	94.88	95.13	145.50	67.25	4.13	406.88	17.10	
February	2015	88.38	117.25	40.75	43.50	0.00	289.88	12.18	
March	2015	89.50	159.50	31.38	87.63	9.50	377.50	15.86	
April	2015	92.50	152.00	36.13	70.63	13.75	365.00	15.34	
May	2015	95.50	146.63	62.88	76.25	11.00	392.25	16.48	
Total of FY 2015							3406.25	143.12	

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
 Temporray 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*						
		Management				Engineers									Skilled labor			Unskilled labor			Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total 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	Sury Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver						
May 1, 2015	CDM Smith Arab Brothers Site Group																		2			0	0	0	0.25	0	
May 2, 2015	CDM Smith Arab Brothers Site Group					8		8					8		8				16			0	4	1	2	0	
May 3, 2015	CDM Smith Arab Brothers Site Group	8	8	8			8						8		8			4		16		4	4	1	2.5	0	
May 4, 2015	CDM Smith Arab Brothers Site Group	8		8			8						8			8		8		16		3	5	1	3	0	
May 5, 2015	CDM Smith Arab Brothers January 8, 1900	8	8	8		8	8						8		16	8		8		16		4	6	3	3	0	
May 6, 2015	CDM Smith Arab Brothers Site Group	8	8	8		8	8						8			8		8		16		4	6	1	3	0	
May 7, 2015	CDM Smith Arab Brothers Site Group	8	8	8		8	8					8		5	16	8		8		16		4	6	3	3	0	
May 8, 2015	CDM Smith Arab Brothers Site Group																					0	0	0	0	0	

DATE	Name of Contractor /Subcontractor	Site Staff Job Days **																									
		Worker/Classification (Hours)																			Man-days*						
		Management				Engineers							Skilled labor			Unskilled labor			Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total 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	
May 25, 2015	Arab Brothers				8	8		8			8			8					16	8		4	6	1	3	1	
	Site Group																										
May 26, 2015	CDM Smith	8	8	8		8	8											8				4	6	1	3	1	
	Arab Brothers				8	8		8			8			8					16	8							
	Site Group																										
May 27, 2015	CDM Smith	8	8	8		8	8											8				4	6	1.5	3	1	
	Arab Brothers				8	8		8			8			8		12				16	8						
	Site Group																										
May 28, 2015	CDM Smith	8	8	8		8	8											8				4	6	0	3	1	
	Arab Brothers				8	8		8			8			8					16	8							
	Site Group																										
May 29, 2015	CDM Smith																					0	0	0	0	0	
	Arab Brothers																										
	Site Group																										
May 30, 2015	CDM Smith	8	8	8		8	8											8				4	6	0.875	3	1	
	Arab Brothers				8	8		8			8			8		7				16	8						
	Site Group																										
May 31, 2015	CDM Smith	8	8	8		8	8											8				4	6	4	3	1	
	Arab Brothers				8	8		8			8			8		32				16	8						
	Site Group																										
Total of Month		185.00	177.00	185.00	185.00	369.00	169.00	200.00	0.00	0.00	185.00	8.00	0.00	194.00	0.00	375.00	96.00	0.00	180.00	406.00	80.00	0.00	95.50	146.63	62.88	76.25	11.00

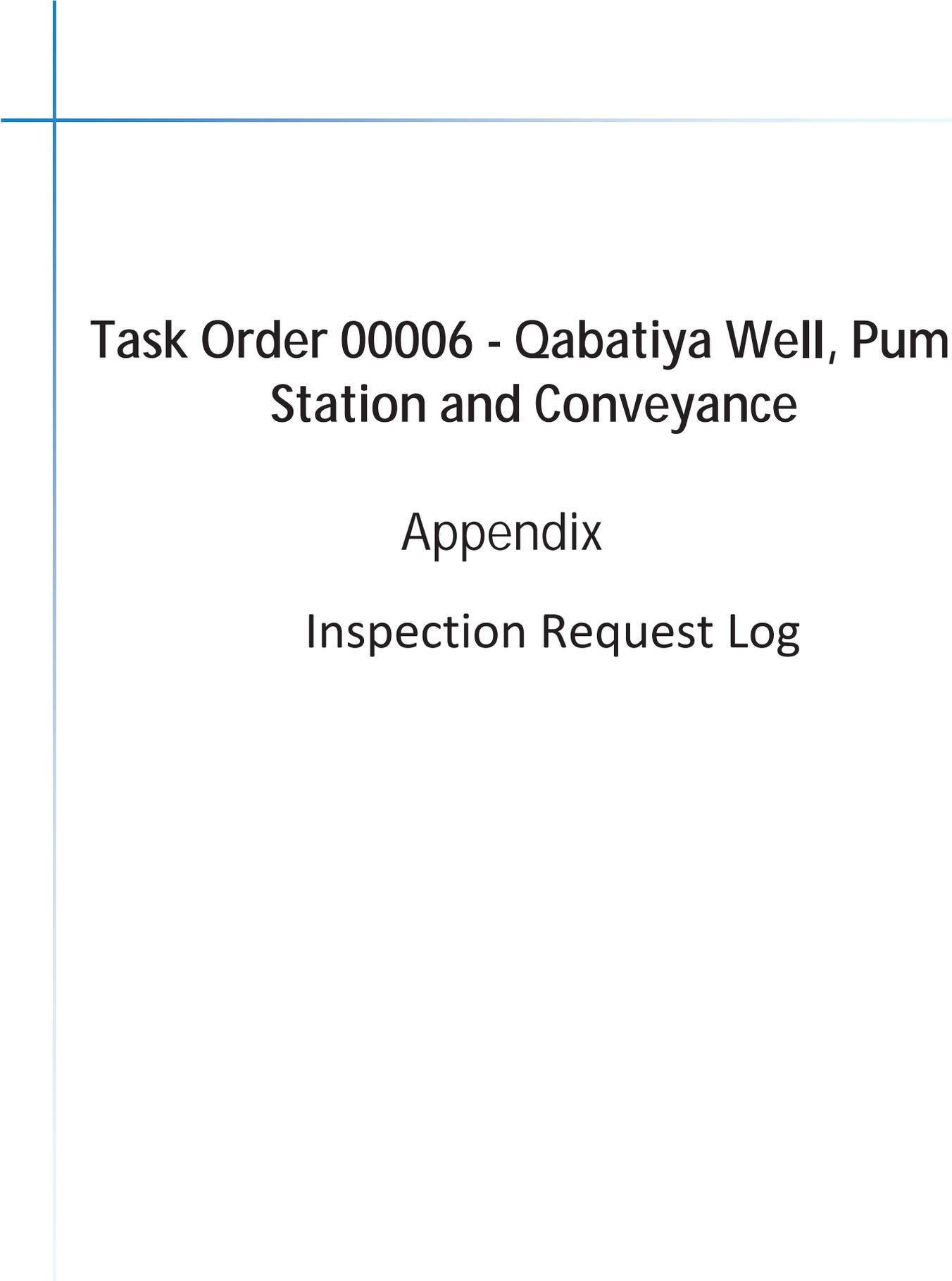
* Total Man-days = Total Hours / 8

** 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

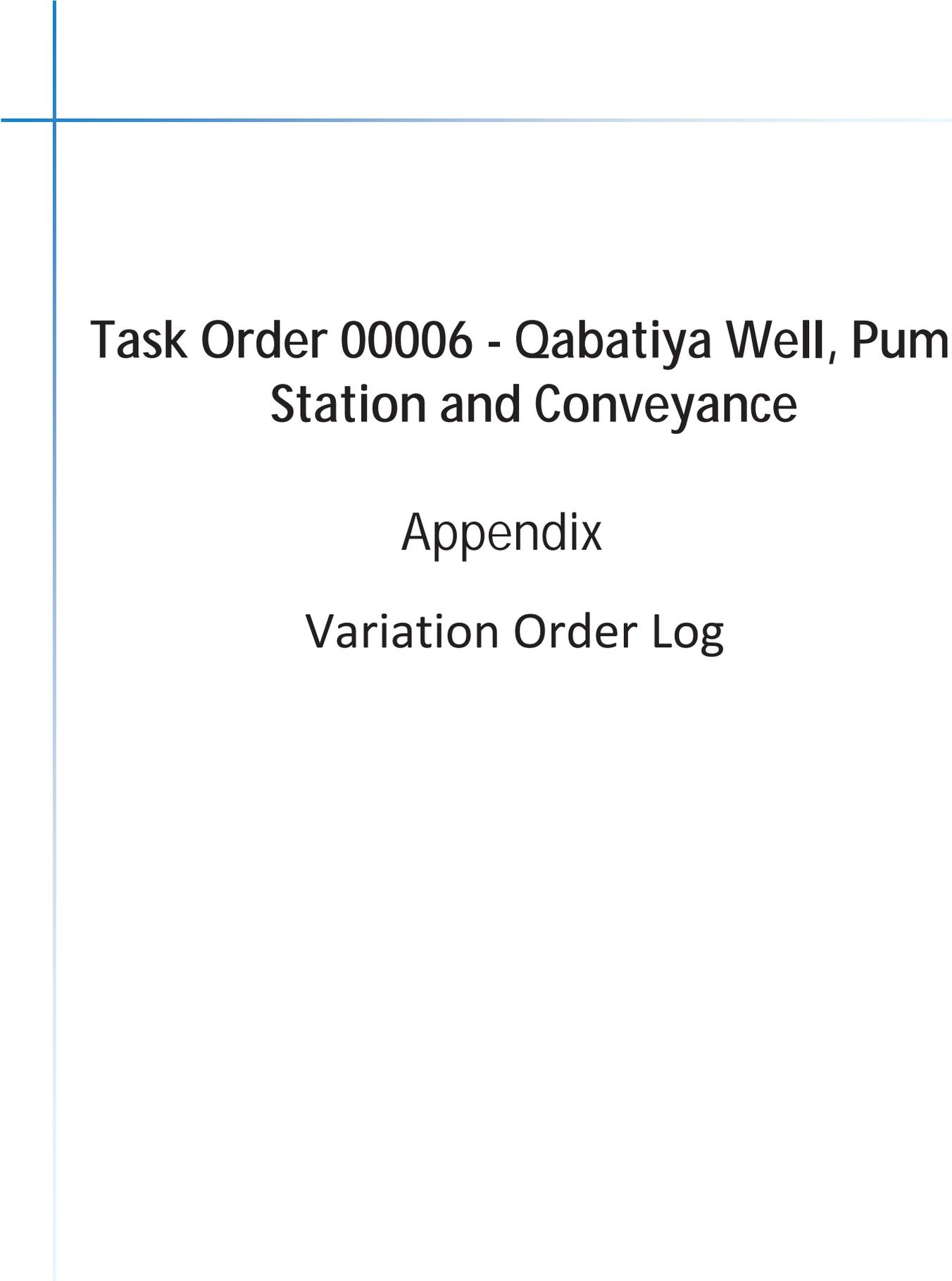
USAID Contract No.: AID-294-I-00-12-00001

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-1300006-QBW-274A	Inspection for the Monthly Environmental CheckList for March 2015	05/05/2015	06/05/2015	A
IR-1300006-QBW-275A	Inspection for the Installation of AC Pipes (Copper Pipes and Drain Pipes)At the Walls of the Living Quarter	07/05/2015	07/05/2015	C
IR-1300006-QBW-275B	Inspection for the Installation of AC Pipes (Copper Pipes and Drain Pipes)At the Walls of the Living Quarter	07/05/2015	10/05/2015	A
IR-1300006-QBW-276A	Inspection for the Installation /Welding of Air Ventilation Pipes for the Sewage System of the Living Quarter .Air Ventilation Pipes are Located at the Walls of the Living Quarter (As Per Attached Drawing.	07/05/2015	07/05/2015	C
IR-1300006-QBW-276B	Inspection for the Installation /Welding of Air Ventilation Pipes for the Sewage System of the Living Quarter .Air Ventilation Pipes are Located at the Walls of the Living Quarter (As Per Attached Drawing.	07/05/2015	10/05/2015	C
IR-1300006-QBW-276C	Inspection for the Installation /Welding of Air Ventilation Pipes for the Sewage System of the Living Quarter .Air Ventilation Pipes are Located at the Walls of the Living Quarter (As Per Attached Drawing.	10/05/2015	11/05/2015	A
IR-1300006-QBW-277A	Inspection for Installation of Electrical Conduit Pipes and Tubes at the Walls of Living Quarter (As Per the Attached Drawing).	07/05/2015	07/05/2015	A
IR-1300006-QBW-278A	Inspection for the Formwork(On Sided) and Steel Reinforcement for the Internal and Edge Walls of the Living Quarter as Shown in the Attached Drawing.	07/05/2015	10/05/2015	C
IR-1300006-QBW-278B	Inspection for the Formwork(On Sided) and Steel Reinforcement for the Internal and Edge Walls of the Living Quarter as Shown in the Attached Drawing.	12/05/2015	12/05/2015	A
IR-1300006-QBW-279A	Inspection for the installation and leakage test of the HDPE drain pipes located below the slab-on-grade of the disinfection building prior to concrete encasement (as per attached drawings).	12/05/2015	12/05/2015	A
IR-1300006-QBW-280A	Inspection of initial water level inside the eastern compartment of the balance tank as part of the leakage test procedure.	13/05/2015	13/05/2015	C
IR-1300006-QBW-281A	Inspection of form work closing for living quarter's walls prior to concrete casting	14/05/2015	14/05/2015	A
IR-1300006-QBW-282A	Inspection of monthly environmental check list for april 2015	19/05/2015	21/05/2015	C
IR-1300006-QBW-283A	Inspection of formwork and steel reinforcement for the roof slab of the living quarter prior to casting concrete	21/05/2015	24/05/2015	A
IR-1300006-QBW-284A	Inspection for the installation of electrical conduit pipes and tubes in the roof slab of the living quarter as per attached drawing	21/05/2015	21/05/2015	A
IR-1300006-QBW-285A	Inspection of installation of scupper drain for the elevated slab of the living quarter as per the attached drawing.	21/05/2015	24/05/2015	A
IR-1300006-QBW-286A	inspection of formwork and steel reinforcement for the parapet walls of the living quarter prior to concrete casting	26/05/2015	27/05/2015	A
IR-1300006-QBW-287A	inspection for the fabrication of stainless steel ladears and handrails for the balance tank as illustrated in the atached MMR(006)	26/05/2015	27/05/2015	A
IR-1300006-QBW-288A	inspection for the delivery of liquid sodium hupochlorite to be used for pipeline disinfection .see the attached MMR#007	26/05/2015	27/05/2015	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 USAID	Variation Order Amount	Day Works Tracking	Time Extension (days)
VO-00006-QBW-001	Time Extension	18-Sep-13	20-Sep-13	\$0.00	\$850,000.00	28
VO-00006-QBW-002	Roackfill layer Under the Balancing tank	29-Oct-13	30-Oct-13	\$73,926.51	\$776,073.49	0
VO-00006-QBW-003	Construction of Retaining Wall around the Balancing Tank	26-Nov-13	3-Dec-13	\$234,479.52	\$541,593.97	26
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	29-Sep-14	10-Oct-14	-\$121,176.62	\$662,770.59	0
VO-00006-QBW-005	Modification No.1-Redesign of Qabatiya Pump Station	3-May-14	24-Dec-14	\$3,664,005.59	Project Amount Modified (remaining DWs included in the Modification)	392
VO-00006-QBW-006	Mechanical Changes in Chambers and final Definitive Quantities for Qabatiya Conveyance System	22-Apr-15	24-Apr-15	-\$4,490.98	\$4,490.98	0

Original Contract Amount	\$6,858,760.00
Original Contract Amount + DW	\$7,708,760.00
Modified Contract Amount	\$10,705,504.02
Modified Contract Amount + DW	\$10,709,995.00
Original Project Duration	550 Days
Modified Project Duration	996 Days

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Variation Order 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

Variation Order Request Log

VOR NO.	Description	submitted Date to CMC	Date Returned from CMC
VOR-00006-QBW-003C	The Scope of this Variation is to Perform Five Additional Water Analysis Qabatiya Well During the Constant Rate Pumping Based on AWWA Standards for drinking Water.	28/05/2015	
VOR-00006-QBW-004C	The Scope of this Variation is to Perform Second Gyroscopic Logging With Additional 100m Below the Casing to Inclination Measurement of the Borehole at the Open Hole.	28/05/2015	
VOR-00006-QBW-005C	The Item in the BOQ is Mentioned as "Well Testing Per Specifications" .The Specifications are Calling for Step Rate Pumping Test as Well as Constant Rate Pumping Test.	28/05/2015	
VOR-00006-QBW-013B	Cost Saving as a Result of Changing Lightning Protection System	28/05/2015	
VOR-00006-QBW-015A	chlorination system	31/05/2015	

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-May 2015			
Concrete Vibrator	14/05/2015		
Concrete Pump	23/05/2015	Volvo	2010
Concrete Mixer	23/05/2015	DAF	1998
Backhoe	26/05/2015	JCB	2011
Concrete Pump	27/05/2015	Volvo	2010
Concrete Mixer	27/05/2015	DAF	1998
Backhoe	27/05/2015	JCB	2011

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

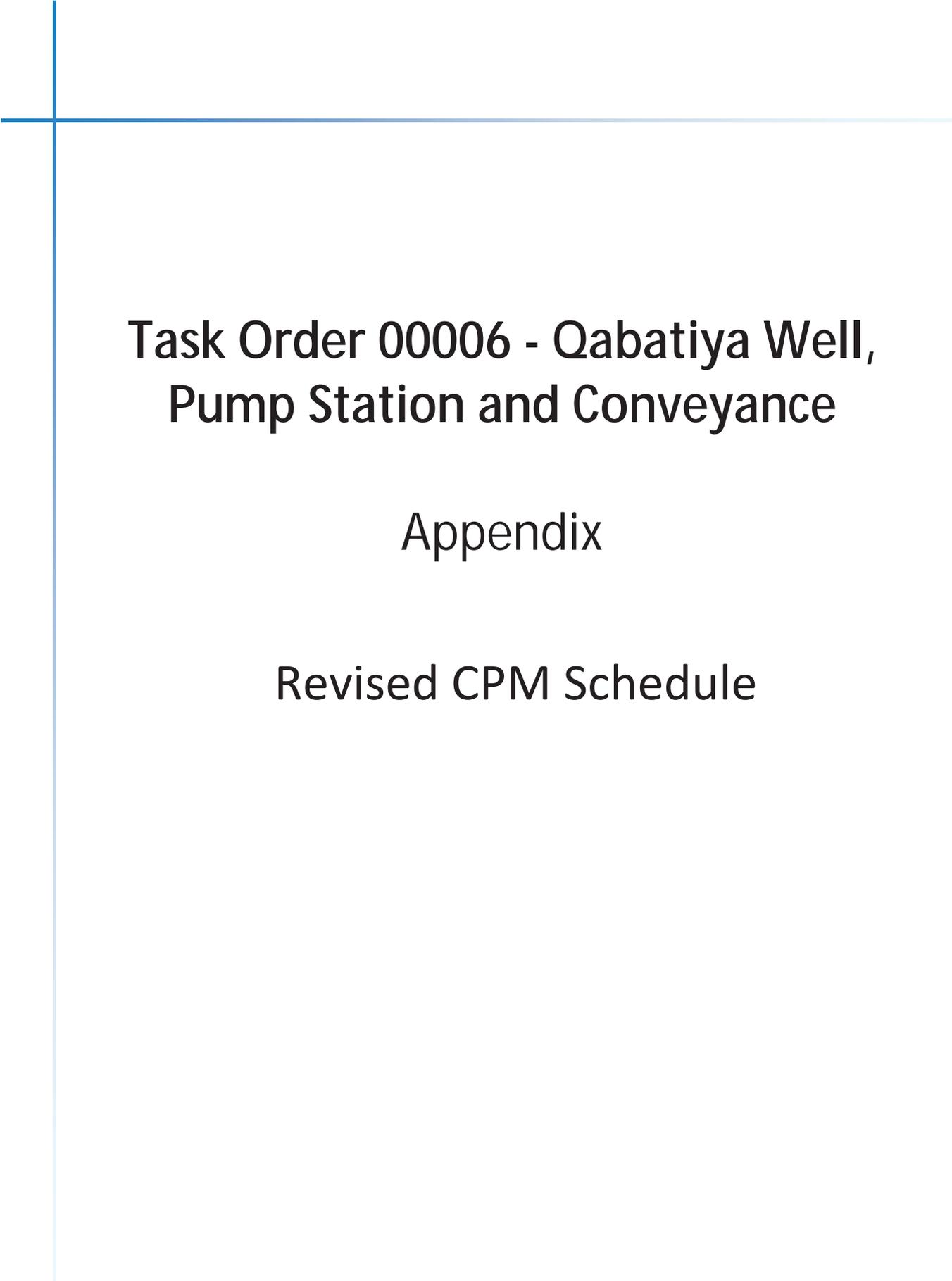
Risks and Mitigation Measures



Guidelines Key for values in the Risk Register for Probability and Cost Assessments

PROBABILITY ASSESSMENT	
Rating	Guideline
Very Unlikely	10%
Unlikely	30%
Moderately Likely	50%
Likely	70%
Very Likely	90%

COST ASSESSMENT	
Impact Rating	Cost Impact Guideline
Negligible	<\$50K
Marginal	\$50K - \$250K
Significant	>\$250K - \$500K
Critical	>\$500K - \$2.5M
Crisis	>\$2.5M

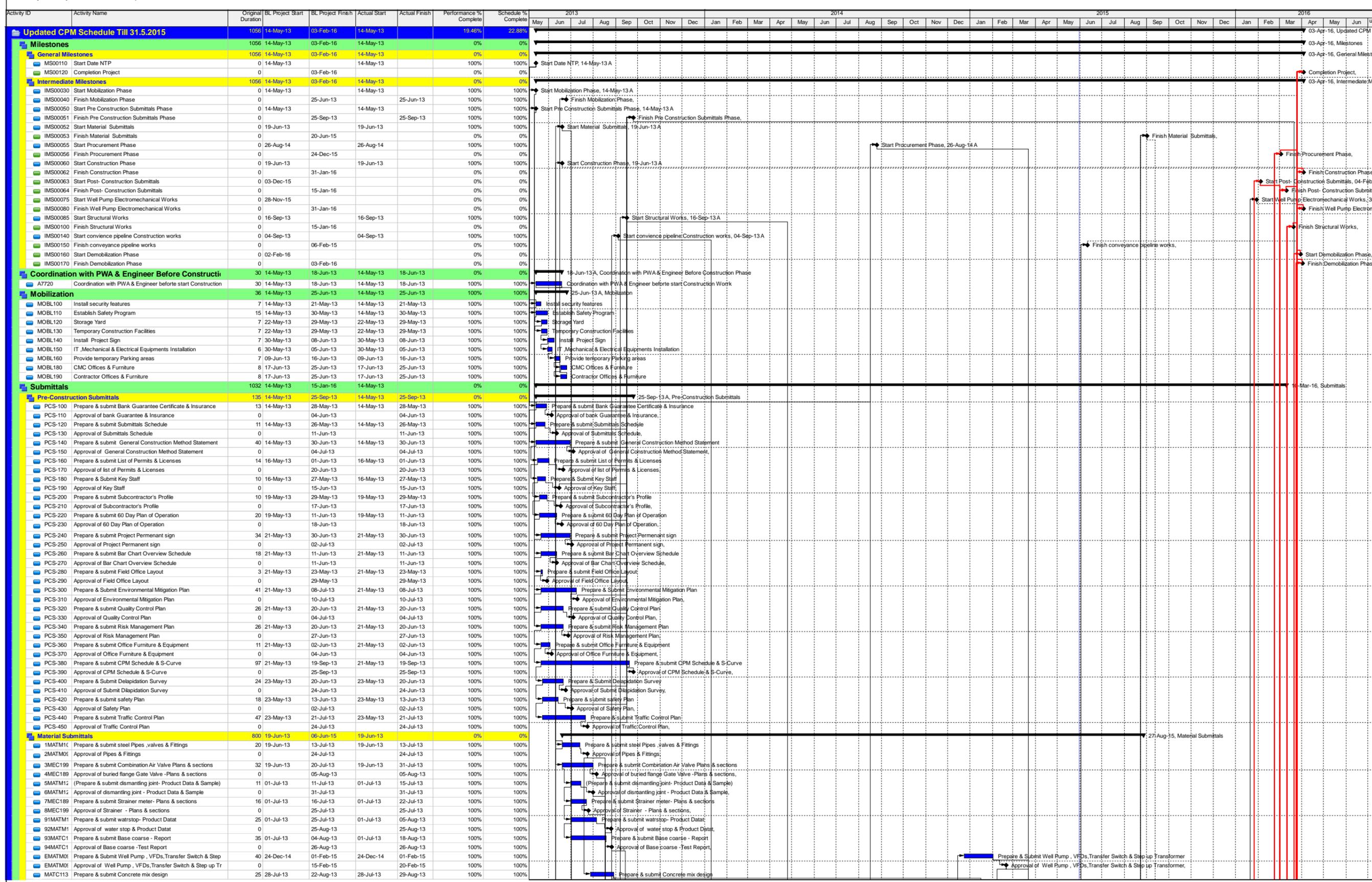


Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

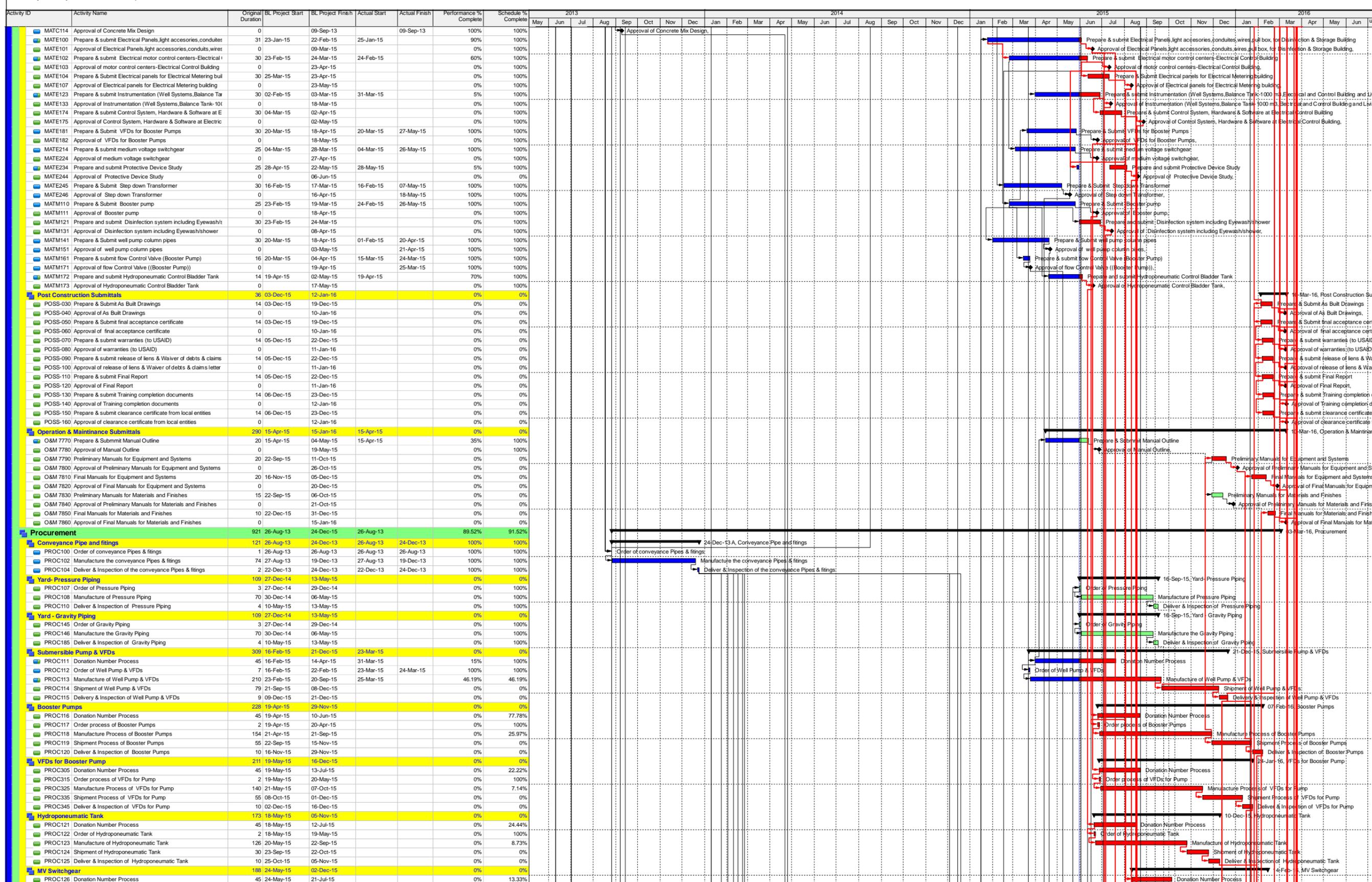
Revised CPM Schedule

Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



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

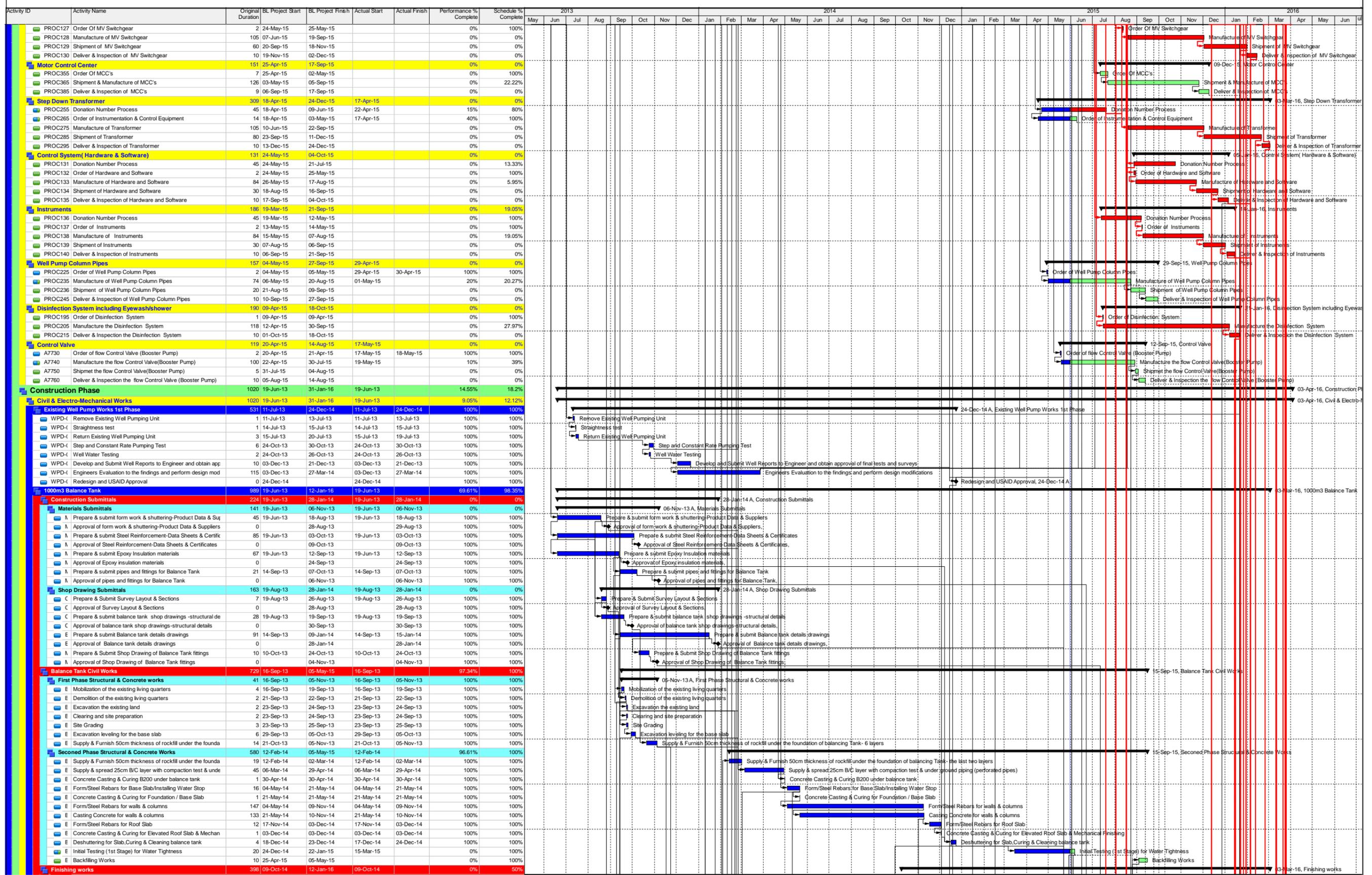
Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



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

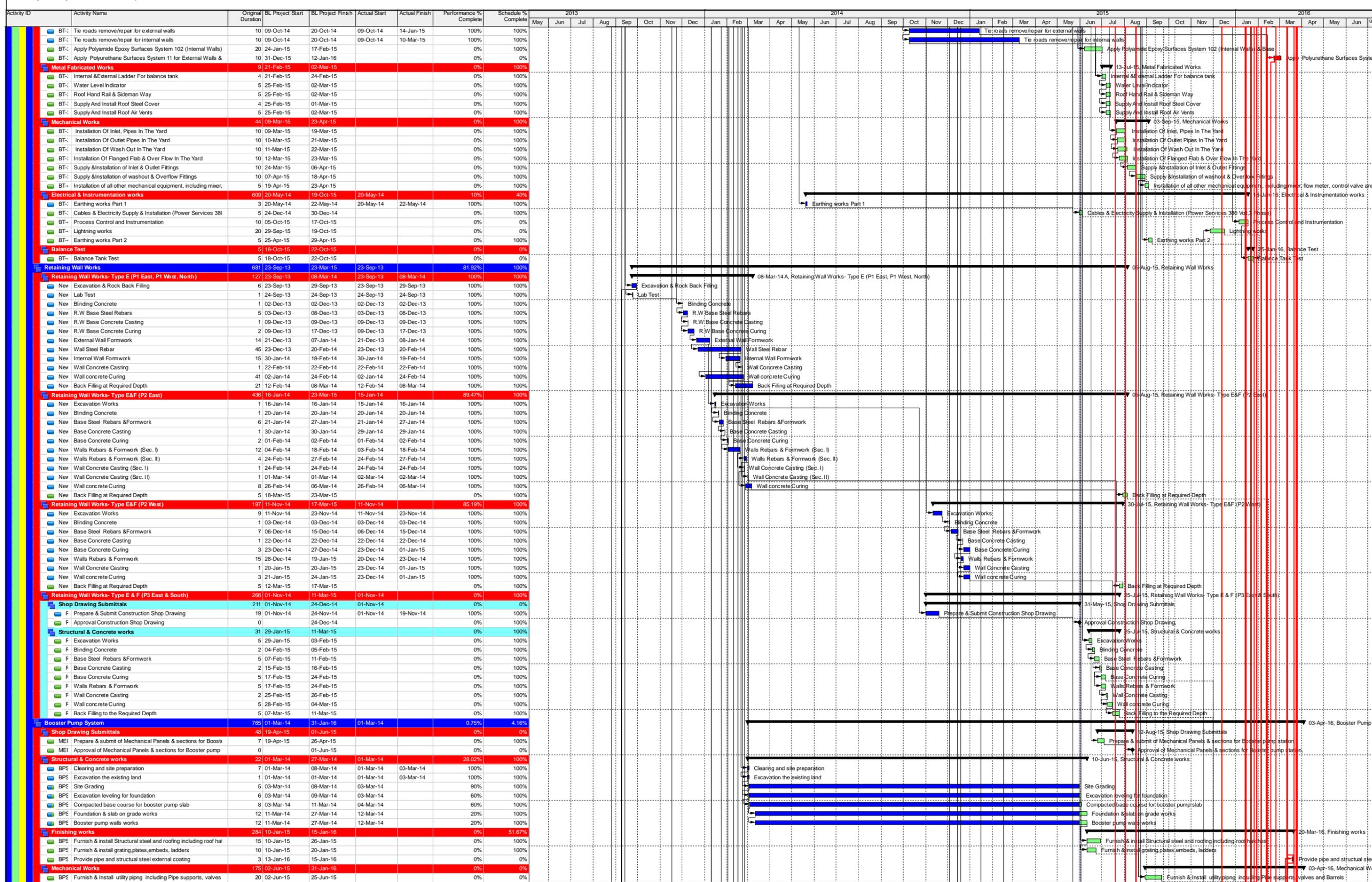
TASK filter: All Activities

Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



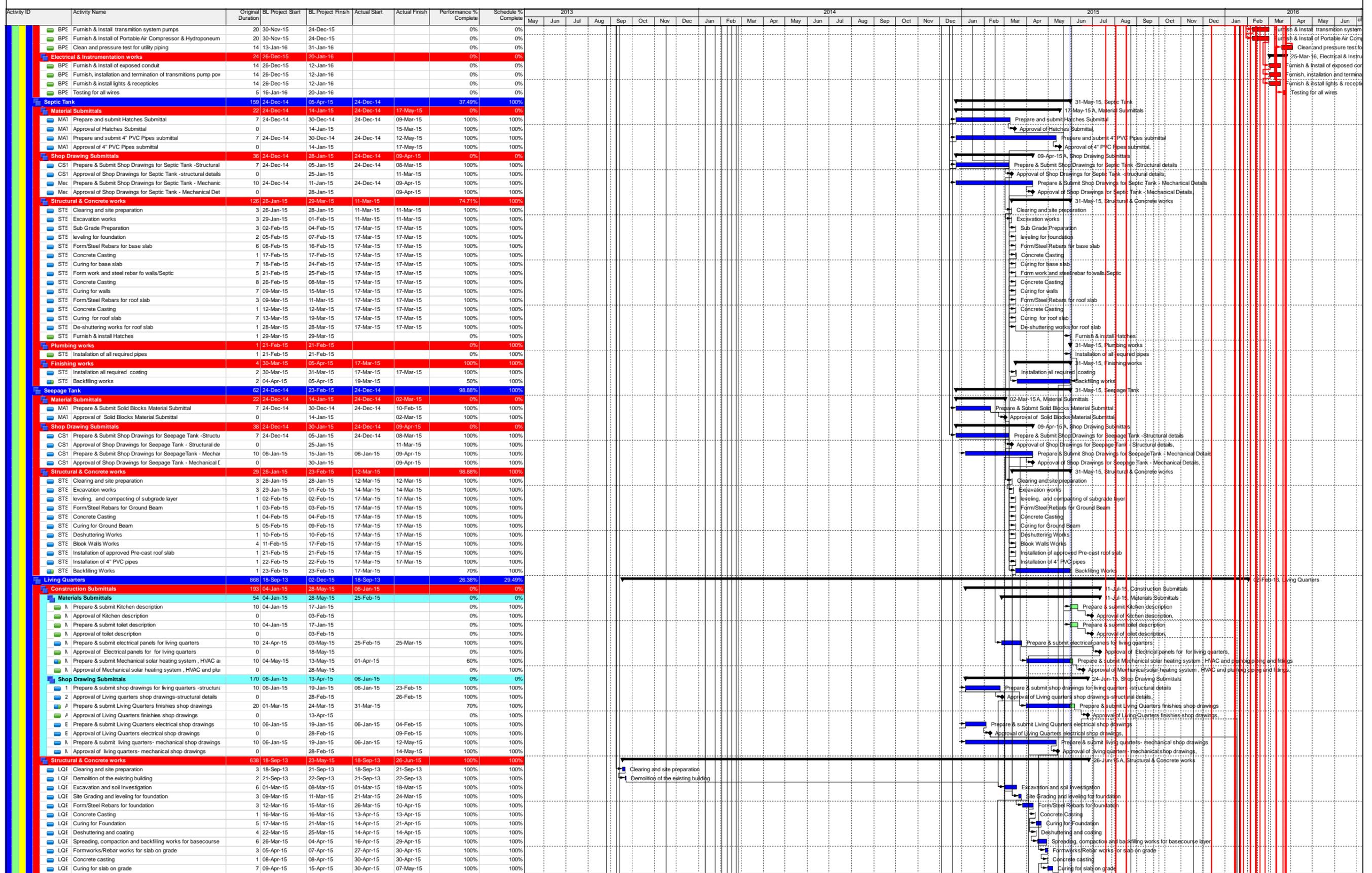
█ Actual Level of Effort
 █ Remaining Work
 █ Critical Remaining Work
 ◆ Milestone
 ◆ summary

Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



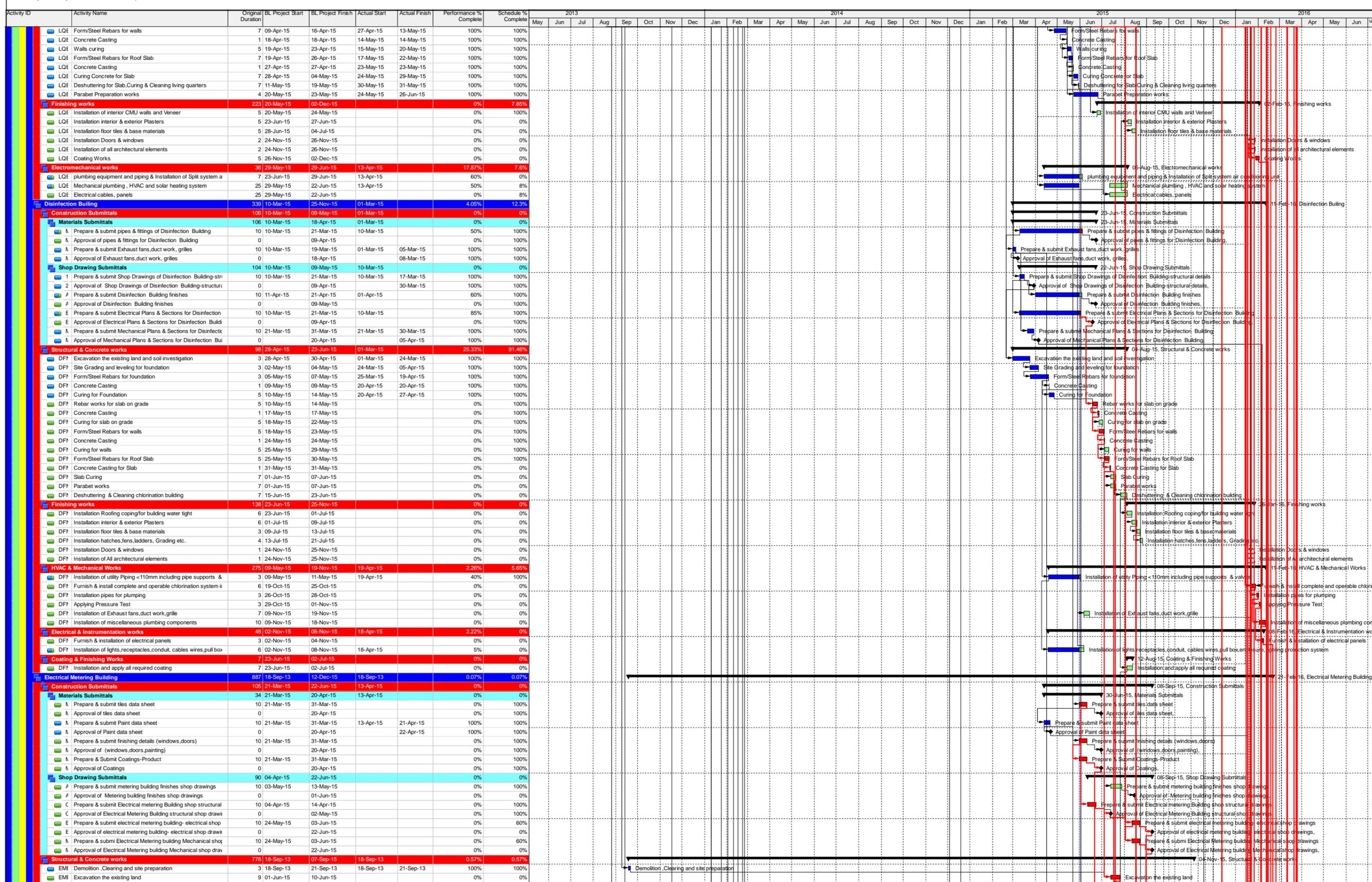
█ Actual Level of Effort
 █ Remaining Work
 █ Critical Remaining Work
 ◆ Milestone
 ◆ summary

Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015

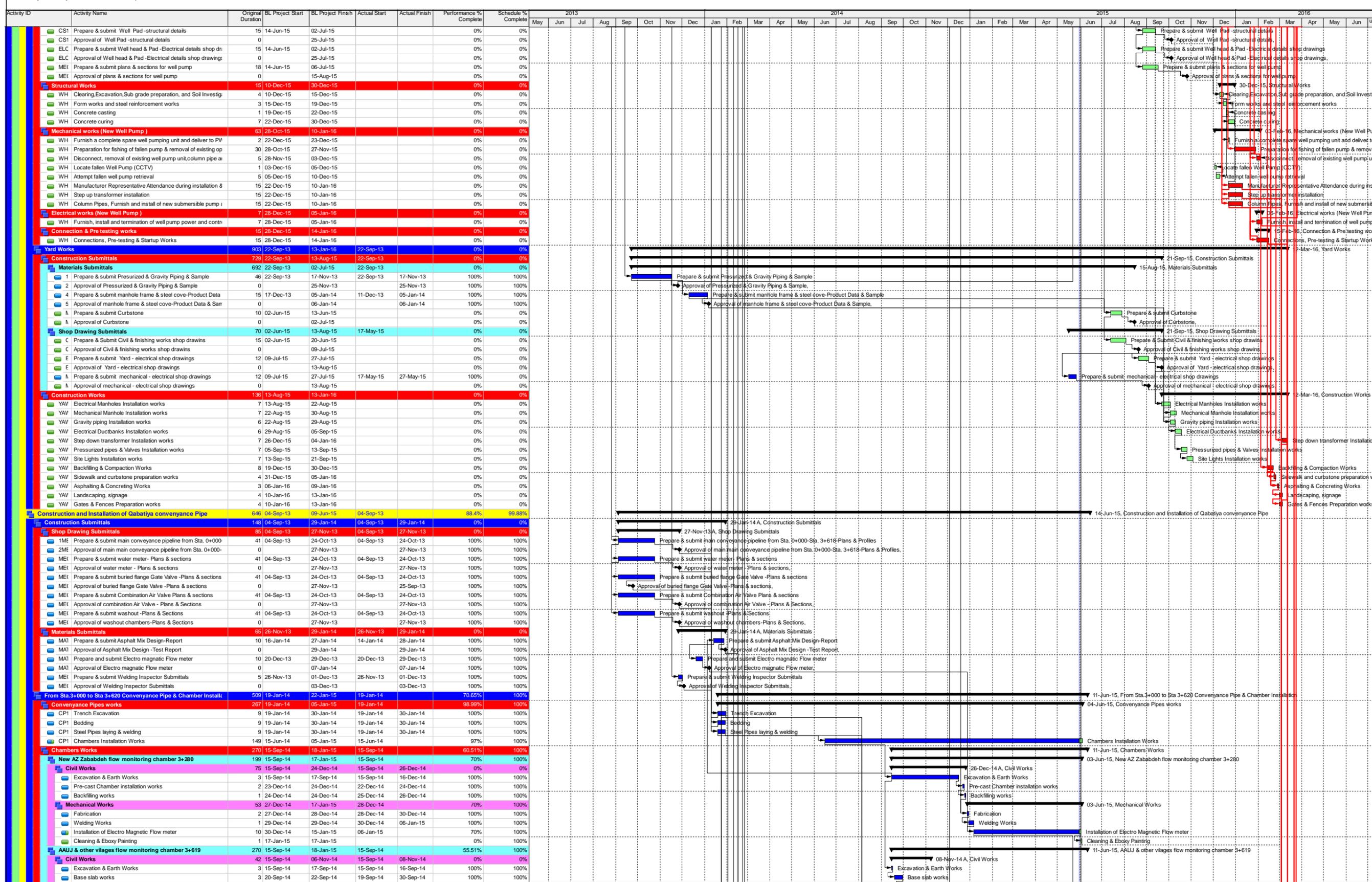


█ Actual Level of Effort █ Remaining Work █ Critical Remaining Work
█ Actual Work █ Milestone ▶ summary

Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



Qabatiya Project - TO.006 Updated CPM Schedule Till 31.5.2015



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

