

The Afghanistan Engineering Support Program assembled this quarterly report. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.



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ENGINEERING SUPPORT PROGRAM

FINAL
Q2 QUARTERLY REPORT FY2011



Draft Submitted: April 10, 2011

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This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech.

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April 19, 2011

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Re: Contract No. EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program; Final Q2 Quarterly Report FY 2011

[REDACTED]:

Per section C.5, "Deliverables," paragraph D of the above referenced contract, we are submitting the Final 2nd Quarter Report for the 2011 Fiscal Year. The report covers the period of January 1, 2011 through March 31, 2011.

This report incorporates your review comments discussed. Please feel free to contact me with any questions or comments.

Respectfully,

[REDACTED]
[REDACTED]
Chief of Party, OIEE-AESP
Tetra Tech

AFGHANISTAN ENGINEERING SUPPORT PROGRAM FINAL Q2 QUARTERLY REPORT FY2011

April 19, 2011

DISCLAIMER

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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1.0 Executive Summary

This is the Fiscal Year 2011 Second Quarterly (FY2011 Q2) Report submitted under Task Order EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program. The reporting period is for January 1, 2011 through March 31, 2011.

Work Order Type	Sector					
	Energy	Water and Sanitation	Water Resources	Transportation	Vertical Structures	Technical Support Services
Administrative Work Orders	3	1	0	0	7	4
Long Term Work Orders	9	2	1	3	3	1
The value of current Long Term Work Orders plus the amendments to existing Long Term Work Orders in FY2011 Q2 total [REDACTED].						

The purpose of the contract is to provide technical assistance to the Office of Infrastructure, Engineering & Energy (OIEE), by providing a quick response from a Kabul based core of Ex-pat architectural and engineering professionals. The Kabul-based Tetra Tech Team provides planning, design, technical and oversight support, while also contributing to capacity building, mentoring, and collaboration/coordination with appropriate stakeholders. The estimated period of performance for this contract is five years from a notice to proceed date of November 14, 2009.

Technical assignments and tasks are categorized as either administrative (WO-A) or long term (WO-LT) work orders. Administrative work orders (WO-A) are defined as those assignments taking less than or equal to 18 man days (144 man hours) and are most often performed by the core staff in Kabul. Long Term work orders (WO-LT) are defined as those tasks taking longer than 18 man days (144 man hours), and supported by the Home Office staff as a reach back assignment with Kabul core staff providing coordination and management.

Deliverables for the Contract include the initial and Year 2 Work Plans, Security Plan, Weekly Meeting Minutes, Quarterly Progress Reports, Performance Monitoring Plan (PMP), Annual Work Plan, Annual Project Report and Final Report.

Our commitment to capacity development of Afghan staff individuals was supported by the hiring of total of two (2) local national (LN) staff during the 2nd quarter. One (1) of these positions was filled utilizing our Local National partner SMART as identified in our original proposal and one (1) was a direct hire. The LN hired from SMART is part of our in-house engineering staff to support on-going projects identified by USAID. The other LN is part of our facility staff.

2.0 Program Staffing

The OIEE AESP Program added three (3) expat staff members during the FY2011 Q2 to the professional engineering staff to support the on-going design activities.

2.1 Expat Staffing

Table 2-1 International Staffing and Deployment			
Employee Name	Position	Afghanistan Arrival	Afghanistan Departure
[REDACTED]	Chief of Party	11/20/09	4/23/10
[REDACTED]	Finance Manager	11/20/09	N/A
[REDACTED]	Vertical Structures Lead	12/6/09	5/27/10
[REDACTED]	Energy Lead	12/6/09	1/18/11
[REDACTED]	IT Specialist (STTA)	12/6/09	5/3/10
[REDACTED]	Contracts Manager	12/13/09	12/11/10
[REDACTED]	Chief of Party	12/23/09	10/8/2010
[REDACTED]	MIS Manager ⁽¹⁾	12/23/09	N/A
[REDACTED]	Water/Wastewater Engineer	12/23/09	6/23/10
[REDACTED]	Water Resources Lead	2/17/10	2/20/11
[REDACTED]	Junior Civil/Structural Engineer	2/17/10	11/19/10
[REDACTED]	Geologist (STTA)	3/8/10	6/12/10
[REDACTED]	Deputy Chief of Party	3/15/10	3/13/11
[REDACTED]	Acting Chief of Party	6/14/10	6/27/10
[REDACTED]	Vertical Structures Lead	6/14/10	N/A
[REDACTED]	Airport Planner (STTA)	6/14/10	7/12/10
[REDACTED]	Technical Support Manager	6/26/10	N/A
[REDACTED]	Water/Wastewater Lead	6/26/10	3/30/11
[REDACTED]	Geologist (STTA)	7/13/10	11/20/10
[REDACTED]	SPR Manager	7/31/10	N/A
[REDACTED]	PRT Manager	7/31/10	N/A
[REDACTED]	Procurement and Finance Auditor	7/19/10	8/16/10
[REDACTED]	Chief of Party	8/26/10	N/A
[REDACTED]	Electrical Engineer	8/26/10	9/4/10
[REDACTED]	Administrative Manager	9/13/10	2/3/11
[REDACTED]	Information Technology	10/3/10	10/24/10
[REDACTED]	Sr. Quality Assurance Inspector/Sr. Construction Manager	12/3/10	N/A
[REDACTED]	Contracts Manager	12/28/10	N/A
[REDACTED]	Energy Lead ⁽²⁾	1/5/11	N/A
[REDACTED]	Junior Civil Engineer ⁽³⁾	1/19/11	N/A
[REDACTED]	Junior Civil Engineer ⁽⁴⁾	2/20/11	N/A

Notes:

- (1) Junior Civil Engineer and then transferred to the position of MIS Manager after [REDACTED] promotion to DCOP.
- (2) LTTA position replacement for previous Energy Lead [REDACTED].
- (3) LTTA position replacement for previous Junior Civil Engineer [REDACTED].
- (4) LTTA position replacement for previous Junior Civil Engineer [REDACTED].

Abbreviations:

MIS Management Information Systems
 STTA Short Term Technical Assistance
 LTTA Long Term Technical Assistance

2.2 Expat Staffing Changes

██████████ Energy Lead, returned to the US in January. ██████████ is currently serving as Energy Lead.

██████████ is currently serving as the MIS Manager.

██████████ and ██████████ were added to the staff as Junior Civil Engineers.

██████████ Administrative Manager, and ██████████ Water Resources Lead, returned to the US in February.

On February 22, 2011: Tetra Tech received approval for the Level of Effort (LOE) Table Staffing Adjustments, which approved the following:

- Deleted the requirement for an Expat Senior Mechanical Engineer and replaced it with an Expat Senior Energy Specialist.
- Phased out the requirement for the Expat Water Resources Lead and replaced it with an Expat Field Services Manager.
- Deleted the requirement for a Local National (LN) Mechanical Engineer/Mid and replaced it with a LN Electrical Engineer/Mid.
- Deleted the requirement for a LN Mechanical Engineer/Junior and replace it with a LN Cost Estimator/Senior.
- Added four (4) members to the facility staff [this is an increase from seven (7) to 11 support staff].

██████████ Deputy Chief of Party (DCOP), returned to the US in March.

2.3 Local National Staffing

Employee Name	Position	Start Date
██████████	Accountant/Tt	3/23/10
██████████	Internal Auditor/Tt	3/27/10
██████████	Government Liaison/Tt	12/2/09
██████████	Facilities Manager/Tt	3/20/10
██████████	IT Manager/Tt	4/15/10
██████████	IT Assistant/Tt	4/20/10
██████████	Contracts Assistant/Buyer/Tt	3/22/10
██████████	Mid-Level Architect/Tt	4/5/10
██████████	SPR Administrative Assistant/Tt	9/13/10
██████████	Facilities Maintenance/Tt	3/20/10
██████████	HR Manager /Tt	7/3/10
██████████	SPR Mid-Level engineer/ USACC	10/9/10
██████████	Administrative Assistant/Tt	10/1/10
██████████	SPR QA Monitor/USACC	10/2/10
██████████	SPR QA Monitor/USACC	10/2/10
██████████	SPR QA Monitor/USACC	10/12/10
██████████	SPR QA Monitor/USACC	10/9/10
██████████	Civil Engineer- Junior Level/USACC	10/24/10
██████████	Senior Administrative Assistant/Tt	10/24/10
██████████	SPR QA Monitor/USACC	12/11/10
██████████	Structural Engineer – Junior Level /SMART	11/29/10
██████████	Electrical Engineer – Junior Level /SMART	12/5/10
██████████	Civil Engineer – Mid Level/SMART	12/7/10
██████████	Electrical Engineer – Mid Level/SMART	3/15/11

In addition to the Local National Staff listed above, five (5) LNs are employed for facilities maintenance and five (5) cooking staff are employed.

2.4 Local National Staff Changes

Two (2) local nationals were added to the Tetra Tech Staff during the 2nd quarter. One (1) position was filled utilizing our Local National partner, SMART, as identified in our original proposal and the other was a direct hire. The LN from SMART is part of our in-house engineering staff to support on-going projects identified by USAID, the other LN is part of our facility staff. The LNs are being trained by the expat staff to ensure functionality and operability remains at the highest levels.

3.0 Contract/Task Order

3.1 Contract/Task Order Activities

January 26, 2011: USAID issued MOD 10. The purpose of the MOD was to add the following Contract Requirements:

- Use of Synchronized Pre-deployment and Operational Tracker (SPOT) for Contractors Supporting a Diplomatic or Consular Mission Outside the United States.
- Serious Incident Reporting in Afghanistan
- Gender Integration Requirements

January 29, 2011: USAID issued MOD 11. The purpose of the MOD was to incrementally fund the Task Order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new total obligated amount of [REDACTED]. The purpose of this MOD was to provide funding for Amendments 1 through 4 for WO-LT-0004 (MoPH).

February 22, 2011: Tetra Tech received approval for the Level of Effort (LOE) Table Staffing Adjustments, which approved the following:

- Deleted the requirement for an Expat Senior Mechanical Engineer and replaced it with an Expat Senior Energy Specialist.
- Phased out the requirement for the Expat Water Resources Lead and replaced it with an Expat Field Services Manager.
- Deleted the requirement for a Local National (LN) Mechanical Engineer/Mid and replaced it with a LN Electrical Engineer/Mid.
- Deleted the requirement for a LN Mechanical Engineer/Junior and replaced it with a LN Cost Estimator/Senior.
- Added four (4) members to the facility staff [this is an increase from seven (7) to 11 support staff].

3.2 Contract/Task Order Deliverables

January 26, 2011 Final FY2011 Q1 Quarterly Report

4.0 Work Orders

4.1 Sector Activities

The following sections describe the activities performed in each sector during FY2011 Q2 under this Task Order.

4.1.1 Energy

In the second quarter of FY2011, the Energy Sector started work on a number of long term work orders to meet the objectives outlined in the *Report on Progress Toward Security and Stability in Afghanistan* (April 2010). The work product/studies will be the cornerstone to establish a reliable electrical transmission and generation system in Afghanistan. Existing work orders are described as follows:

4.1.1.1 WO-LT-0012 PK to Chimtala Transmission Line

Tetra Tech is conducting a study to determine the feasibility that the Pul-e-Khumri to Chimtala 220kV transmission line can transport 450 MW from the NEPS northern system into Kabul. The study shows this is feasible with the addition of volt-ampere reactive (VAR) compensation equipment, namely shunt capacitors, series capacitors and static VAR compensators. The draft report was presented to USAID and Tetra Tech will respond shortly to USAID's comments.

4.1.1.2 WO-LT-0021 Selected NEPS Transmission Line Field Investigation

Tetra Tech will go into the field to conduct field investigations on the Sheberghan to Mazar-e-Sharif transmission line and several substations to include Mazar-e-Sharif, Sheberghan, Naibabad, Pul-e-Khumri and Chimtala. The objective is to gather data to present a clear picture of the NEPS northern system. Tetra Tech is currently preparing a work plan and schedule of activities and conducting a security assessment of the area. The investigation is projected to last 30 days.

4.1.1.3 WO-LT-0022 Power Reliability Study (US Embassy, USAID)

Tetra Tech is currently assisting in the effort to provide Da Afghanistan Breshna Sherkat (DABS) electric power to the US Embassy. Tetra Tech met with DABS, USAID, and the US Embassy to discuss the various technical issues for such power supply. Currently, all parties are waiting for reply from the supervisory control and data acquisition (SCADA) supplier about whether SCADA equipment may be used to monitor the voltage quality of the DABS power at Chimtala substation. The SCADA supplier will inform us shortly on the cost (license) to use these SCADA facilities. In addition, Tetra Tech investigated and selected voltage monitor equipment to monitor DABS power.

4.1.1.4 WO-LT-0023 Afghanistan Electrical Transmission and Generation Study

Tetra Tech is currently doing preparatory work to start the Transmission and Generation Study. An engineer will gather data on the transmission and generation system from several governmental entities such as DABS, the Ministry of Energy and Water (MEW), the Afghan Energy Information Center (AEIC), etc. This data will be used to prepare a long-term plan on the transmission/generation facilities required to meet Afghanistan's long-term electric growth.

4.1.1.5 WO-LT-0024 Kud Bergh (Mazar) 48MW Power Plant Field Investigation

Tetra Tech is currently preparing an options summary to present to USAID on the various options to re-establish power generation capability at the Kud Bergh power plant. The options will be discussed with USAID so USAID can make an informed decision on which options are preferable. The final report will then focus on these preferred options.

4.1.1.6 WO-LT-0025 RC-East Villages Electrification

Tetra Tech prepared conceptual designs for electrification of 42 villages to be served from a 20kV distribution line that runs along the Kabul-Charikar highway. All conceptual designs have been delivered to USAID. Currently, RC-East has sent the bill of materials out for bid for three villages: Chaykal B, Chaykal C and Jawzsang.

4.1.1.7 WO-LT-0031 Concept Design for Three 20kV Lines

Tetra Tech is currently working with USAID to prepare conceptual design for the extension of three 20kV distribution lines:

- Chimtala to Maydan Shahr/Jalrez/Nerkh
- Boothak to Mohammed Agha
- Chimtala to Jabel Seraj (cement plant)

Tetra Tech is currently conducting aerial surveys for line routes and preliminary bill of materials for the first two lines. These points will be presented to USAID for discussion and approval. Tetra Tech will then engage in detailed analysis to prepare the final conceptual design. The third line is currently on hold pending information from RC-East/USAID.

4.1.1.8 WO-A-0059 Parwan Road Village Electrification

Tetra Tech provided final conceptual design for electrification of villages in the Parwan area. Tetra Tech will provide QA services upon delivery of the materials.

4.1.1.9 WO-A-0064 Sufyane Village Electrification

Tetra Tech provided final conceptual design for two villages: Sufyane Bala and Sufyane Pain and is currently supplying QA services as materials are delivered in Charikar.

4.1.2 Vertical Structures

A summary of work performed during the FY2011 Q2 by the Vertical Structures group included providing technical support, document reviews, and design input on several major vertical structures engineering projects to USAID/OIEE, and is briefly described in the following paragraphs.

4.1.2.1 WO-LT-0001 Regional & Provincial Training Centers Afghanistan Civil Service Institute

A Site Development package for the Kabul Regional Afghanistan Civil Service Institute Training Center is ongoing. This work order will eventually include development on four sites throughout Afghanistan. Geotechnical and survey studies were completed for the Kabul RTC site as well. The 100% prototype design packages were completed for the RTC and PTC incorporating previous USAID design comments.

4.1.2.2 WO-LT-0004 Ministry of Public Health (MoPH)

Tetra Tech provided ongoing Project Management support throughout the design process; including coordination with OIEE and the design team. Draft versions of the Environmental

Assessment and Scoping Statement were submitted to USAID on March 5, 2011. Tetra Tech received USAID comments on the EA and work is ongoing to incorporate these comments into the EA.

4.1.2.3 *WO-LT-0015 Kabul University Men's Dormitory, DFAC & Laundry*

Tetra Tech continued third party technical support by attending the weekly construction coordination project meetings and providing field observation for these three projects. 95% and 100% reviews were performed for the Men's Dormitory renovation project, and 100% reviews were performed for the Men's Dining Facility and Laundry buildings.

4.1.2.4 *WO-A-0071 PTTC CHEF Water Tank Design Review*

Tetra Tech completed a constructability review of the Water Tank construction documents and several backcheck reviews that followed.

4.1.2.5 *WO-A-0073 Roof Framing Design for Sardar Girls High School*

Tetra Tech completed supplemental design drawings, details and calculations required for the completion of the roof framing design. Site observation of the ongoing corrected construction was also provided.

4.1.2.6 *WO-A-0074 Insulation Materials Technical Comparison*

Tetra Tech provided a technical comparison of expanded polystyrene (EPS) and polyurethane (PUR) for use in a roof application.

4.1.3 Water and Sanitation

4.1.3.1 *WO-LT-0005 GBHS Utility Construction Documents*

Tetra Tech continued to provide support reviewing submittals and other engineering assistance during the utility construction by working closely with USAID, UNOPS, and IRD. Additionally, work continued on the Administration Building Contract.

4.1.3.2 *WO-LT-0006 SGHS Utility Construction Documents*

Tetra Tech continued to provide project management and coordination services and develop a finalized set of construction documents and bill of quantities. Project Management tasks included attendance at weekly construction meetings, providing ongoing technical support to USAID, and construction coordination with other USAID contractors.

4.1.4 Water Resources

4.1.4.1 *WO-LT-0034 Topchi HPP Design Review*

Tetra Tech is providing technical design review and project coordination services for the Topchi Hydro Power Plant (HPP) project design currently being prepared by Winrock International. The technical services include civil, geological, geotechnical, structural and electromechanical design reviews for the design project, including the civil (canal and intake structures), the power house and other related civil, structural, electrical, and mechanical works and features.

4.1.5 Transportation

Work in the Transportation sector included the QA Oversight for WO-LT-0007 the Strategic Provincial Roads (SPR) program and conceptual design of four bridge types for the Khost PRT under the WO-LT-0009. Tetra Tech will provide third-party geotechnical quality assurance (QA) and technical review services to USAID and FAA on the Maimana and Faizabad Regional Airports.

4.1.5.1 WO-LT-0007 QA Oversight SPR (Strategic Provincial Roads) Southern and Eastern Afghanistan

Tetra Tech staff met with USAID and IRD staff to discuss the IRD-SPR 2011 Final Implementation Plan (FIP). The FIP was developed in response to USAID's request to descope the SPR Program. Under this plan all major road construction must be completed by June 30, 2011 and close out procedures are to be completed the following two months (July and August, 2011).

Ongoing meetings were held between Tetra Tech and IRD staff to discuss and plan site visits to various SPR Roads. Also discussed was the scheduling of the substantial and final completion site visits for the roads.

The QA Engineers/Monitors reviewed plans and specifications for the various roadway projects that were scheduled for site visits. Ongoing in house QA training was conducted on the quality control and testing procedures of materials that are to be incorporated into the roadway projects under the SPR Program.

On March 1, 2011 Tetra Tech transmitted to USAID a hard copy and CD of the Quality Assurance Manual that is used for the ongoing training of the QA Engineers/Monitors for the SPR Program.

The following is a list of the road projects that were visited during this reporting quarter:

- January: Bridge #2; Bridge #4; Road #5; Road #9A; Road #9B; Road #15; Road #34.
- February: Bridge #2; Bridge #4; Road#6.
- March: Road #2; Bridge #2; Bridge #4; Road #4; Road #5; Road #10; Road#34.

Upon the QA staff's return to the Kabul office from site visits, the photographs, field reports and testing documentation acquired from the field were compiled and edited and monthly site visit reports were created and forwarded as deliverables to USAID.

4.1.5.2 WO-LT-0009 PRT Support – Khost Bridge

For a location in Khost Province, Tetra Tech developed conceptual documents and BOQs detailing four different bridge type designs. The four designs included box culverts, flat slab bridge superstructure supported on solid piers and abutments, reinforced concrete deck beam with reinforced concrete deck slab supported on solid piers and abutments, and corrugated metal pipe arches. The different designs will assist USAID/Khost PRT in determining which design is the most cost effective, constructable, and meets the needs of the Khost PRT and Khost Province. If funding can be secured, Tetra Tech will follow-up with final design documents.

4.1.5.3 *WO-LT-0029 Maimana and Faizabad Regional Airports*

Tetra Tech project personnel met with MoTCA, USAID, FKH, GHI (Maimana Contractor) and KNK (Faizabad Contractor) to introduce all parties involved, discuss project milestones, lines of communication, and Tetra Tech's role in providing third-party QA and technical review services to USAID and FAA. Tetra Tech received the site drainage channel calculations for the Maimana Airport on March 30, 2011 and began the review. Review of the associated drainage channel designs are pending submittal from GHI.

Tetra Tech personnel responded to USAID's request to review and provide input on FKH's proposed deviations on the Maimana Airport Design Standards for the runway shoulders and turnabout ramps.

Tetra Tech coordinated a site visit to Maimana Airport with GHI staff for witnessing the sampling of soils.

4.2 Progress

FY 2011 Q2 Work Order activity under this Task Order included work on 15 Administrative Work Orders and 19 Long Term Work Orders for a total of 34 Work Orders. Following is the breakdown of number of Work Orders by sector:

- Energy: 3 Administrative Work Orders, 9 Long Term Work Orders
- Water, Sanitation, and Water Resources: 1 Administrative Work Order, 3 Long Term Work Orders
- Transportation: 3 Long Term Work Orders
- Vertical Structures: 7 Administrative Work Orders, 3 Long Term Work Orders (includes architecture, energy, and water and sanitation support)
- Technical Support Services: 4 Administrative Work Orders, 1 Long Term Work Order

The value of current Long Term Work Orders (including the scope and budget extensions) total [REDACTED]. A summary of the progress of each Work Order is shown in Table 4-1. A complete listing of all the Work Orders issued under this Task Order can be found on the Work Order Status table included in Appendix A.

<p align="center">Table 4-1 FY 2011 Q2 Active Work Order Summary Afghanistan Engineering Support Program IQC: Task Order 01 - EDH-I-00-08-00027-00 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE) Reporting January 1, 2011 Thru March 31, 2011</p>		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q2
<i>WO-A: Administrative Work Orders⁽¹⁾</i>		
WO-A-0024	Afghan First COP Meetings	Tetra Tech will conduct meetings with preliminary topics to include Afghan Standardization, Capacity Building, QA Services, and "On Budget."
WO-A-0058	Afghan Standardization	Ongoing investigation into the development of Afghan national construction standards and initiate a report with recommendations to USAID regarding adoption of those standards by OIEE. Tetra Tech briefed USAID staff on 3/29/11.
WO-A-0060	Embassy Biodigestion Study	Conducting a brief study of best practices in large-scale municipal waste biodigestion.
WO-A-0064	Sufyane Village Electrification	Tetra Tech provided design activities that included identifying village power requirements for Sufyane Village immediate CERP funding actions by RC-East. Developed a BOQ for each village. Supplier delivered 95% of materials. Tetra Tech provided QA services on the delivery.
WO-A-0068	USAID Plan Filing	Tetra Tech inventoried and organized the paper-plans at OIEE and developed a searchable database of the inventory.
WO-A-0069	Construction Principles Guidelines	Tetra Tech developed a guidance document to strengthen coordination efforts between parties involved in construction primarily in sectors of construction contracting, design, and quality assurance/quality control. Additionally, this document outlines general construction principles, practices, and standards.
WO-A-0070	100% NLCC Design Review	Provided Design Review of all disciplines of 100% Design package.
WO-A-0071	PTTC Water Tower Review	Tetra Tech provided a constructability review of the CHEF Program PTTC water tower design.
WO-A-0072	File Transfer Services	Tetra Tech is assisting USAID with downloading project files of FTP sites and creating CD copies of the files.
WO-A-0073	Roof Framing Design for Sardar Girls High School	Tetra Tech provided a roof design, incorporating previously produced deficient designs.
WO-A-0074	Insulation Materials Technical Comparison	Tetra Tech provided a technical analysis of two different rigid insulation materials.
<i>WO-LT: Long Term Work Orders⁽²⁾</i>		
WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	Final plans for Regional and Provincial Training Centers were submitted. Specific sites to be determined by USAID and ACSI, with site development packages to follow.
WO-LT-0004	MoPH Design Management: Extension of Staff Services & Design Reviews	Ongoing Project Management support throughout the design process; coordination with OIEE and the design team. Submitted draft versions of the Environmental Assessment and Scoping Statement on 3/5/11. Received USAID comments on the EA and work is ongoing to incorporate these comments into the EA.
WO-LT-0005	Ghazi Boys High School (GBHS) Utility Construction Documents	Tetra Tech continued to provide support reviewing submittals and other engineering assistance during the utility construction by working closely with USAID, UNOPS, and IRD. Additionally, work continued on the Administration Building Contract.

<p align="center">Table 4-1 FY 2011 Q2 Active Work Order Summary Afghanistan Engineering Support Program IQC: Task Order 01 - EDH-I-00-08-00027-00 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE) Reporting January 1, 2011 Thru March 31, 2011</p>		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q2
WO-LT-0006	SGHS Utility Construction Documents	Tetra Tech finalized the site grading, drainage, utility plans and BOQ and submitted to USAID on 3/22/11.
WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	QA Monitors made site visits to Bridges 2 and 4 and Roads 4, 5, 6, 9A/9B, 10, and 34. Staff coordinating with IRD to continue making site visits to balance of ongoing road projects in SPR Program. The QA Training Manual was transmitted to USAID on March 1, 2011.
WO-LT-0009	PRT Field Support	Tetra Tech completed concept designs of four bridge types.
WO-LT-0012	Pul-e-Khumri (PK) to Chimtala Transmission Line	Tetra Tech is providing conceptual design services for the PK and Chimtala electric transmission line upgrade. Tetra Tech submitted a draft report and held discussions with USAID.
WO-LT-0015	Kabul University Men's Dormitory Construction Inspection and DFAC Design Review	Provided third party QC for DFAC, Laundry, and Men's Dormitory. Construction Technical support and Field Observation duties ongoing.
WO-LT-0021	Selected NEPS Transmission Line Field Investigation	Tetra Tech planned for a field trip to investigate/assess the NEPS transmission system. The trip was postponed due to civil unrest and security concerns.
WO-LT-0022	Power Reliability Study (US Embassy, USAID)	Tetra Tech is assisting the US Embassy in its effort to connect to the DABS electric distribution system. Tetra Tech is currently awaiting a decision from USAID whether to use the new (not yet installed) SCADA system for monitoring purposes or to purchase electric monitor meters.
WO-LT-0023	Afghanistan Electrical Transmission & Generation Study	Tetra Tech has populated a power system study model with system data in preparation of model testing.
WO-LT-0024	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	A site visit was completed and an options letter was submitted to USAID, offering 9 options for USAID's consideration.
WO-LT-0025	RC-East Villages Electrification	RC East awarded materials supply contract to an electrical supplier.
WO-LT-0029	Maimana and Faizabad Airport 3rd Party QA	GHI submitted Maimana Airport drainage channel calculations for review. Responded to FKH's request to deviate from Maimana Airport Design Standard for the runway shoulders and turnabout ramps. Met with involved parties to discuss logistics for both Faizabad and Maimana Airports. Site visit scheduled for early April to Maimana Airport for soil sampling witnessing.
WO-LT-0030	Sheberghan 200MW Power Plant Feasibility Study	Tetra Tech continued the feasibility study to supply the preliminary report exploring the best method of generation to include gas turbine/reciprocating engine options.
WO-LT-0031	Concept Design for Three 20-kV Lines	Tetra Tech evaluated the line routes for a line between Boothak-Mohammed Agha, submitted concept design and Engineering Cost Estimates to USAID. Tetra Tech all conducted preliminary line route selection for a line Chimtala-Maydan Shahr. These findings were submitted to USAID.
WO-LT-0033	USAID/OAA Claims Assistance	Tetra Tech received the first claim from USAID and prepared the scope of work (SOW) and rough order of magnitude (ROM) estimate. Tetra Tech is awaiting

Table 4-1 FY 2011 Q2 Active Work Order Summary Afghanistan Engineering Support Program IQC: Task Order 01 - EDH-I-00-08-00027-00 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE) Reporting January 1, 2011 Thru March 31, 2011		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q2
		USAID notice to proceed for this first claim.
WO-LT-0034	Topchi HPP Design Review	ACEP/Winrock/IRG and Tetra Tech reconciled major hydrologic, hydraulic, and structural design concerns through bi-weekly design coordination meetings between both parties and also involving USAID. Tetra Tech provided two rounds of design review comments and ACEP/Winrock/IRG continued to provide updated design drawings, technical specifications, and design calculations satisfactory to Tetra Tech's review.

Notes ^(#):

- (1) Work Orders with anticipated level of effort of 18-mandays or less
- (2) Work Orders that are planned to equal more than 18-mandays

5.0 FY2011 Q3 Initiatives

5.1 Existing Long Term Work Orders

Efforts will continue on numerous long term work orders in all five sectors. The following sections describe the anticipated activities for FY2011 Q3 under Long Term Work Orders:

5.1.1 Energy

5.1.1.1 *WO-LT-0012 PK to Chimtala Transmission Line*

Tetra Tech will respond to a second series of questions from USAID. This activity is expected to be finalized during FY2011 Q3.

5.1.1.2 *WO-LT-0021 Selected NEPS Transmission Line Field Investigation*

A planned investigation trip was postponed due to security concerns and civil unrest. Tetra Tech will plan another trip once the security concerns are minimal. The final report is expected to be completed during FY2011 Q3.

5.1.1.3 *WO-LT-0022 Power Reliability Study (US Embassy, USAID)*

Tetra Tech is waiting for authorization from USAID to proceed with the project and purchase the monitoring meters.

5.1.1.4 *WO-LT-0023 Afghanistan Electrical Transmission and Generation Study*

Tetra Tech will continue in the preparation of a system model to simulate the Afghanistan transmission and generation system. During FY2011 Q3, an Electrical Engineer will visit the various entities (DABS, MEW, AEIC) to gather information on system parameters, load centers, current and projected loads. The model, along with this information, will determine the system's behavior under growing load conditions.

5.1.1.5 WO-LT-0024 Kud Bergh (Mazar) 48MW Power Plant Field Investigation

Tetra Tech will respond to questions presented by USAID. The next step will be the preparation of the final report based on USAID's preferred choice(s). The report is expected to be finalized during FY2011 Q3.

5.1.1.6 WO-LT-0025 RC East Villages Electrification

Tetra Tech will supply QA services to RC East to ensure the supplier delivers the correct quantities of materials during FY2011 Q3.

5.1.1.7 WO-LT-0030 Sherberghan 200MW Power Plant

Tetra Tech will submit a preliminary report by mid-April, 2011 to include gas turbine/reciprocating engine options, heat and mass balance equations, evaluation of major equipment, and discussion of site plans. The study is scheduled for completion during FY2011 Q3.

5.1.1.8 WO-LT-0031 Concept Design for Three 20kV Lines

Tetra Tech will continue to work with DABS on the investigation of feasible line routes for a line extending to Maydan Shahr (south of Kabul). Tetra Tech will prepare the final BoQ and Engineering Cost Estimates once the best route is selected. Work on the Chimtala to Jabel Seraj (cement plant) line is currently on hold pending funding from the DoD.

5.1.1.9 WO-LT-0036 Tarakhil PP Operational Evaluation

Tetra Tech is currently engaged in preparation for a field study at the Tarakhil diesel power plant. The objective is to determine the reason for malfunctions of the diesel engines early in their life. A three-man team will visit the plant during FY2011 Q3 to study the environment of the diesel engines and provide recommendations to lengthen their working life.

5.1.2 Vertical Structures

5.1.2.1 WO-LT-0001 Regional & Provincial Training Centers Afghanistan Civil Service Institute

Site development packages for the prototype regional (RTC), and provincial (PTC) Afghanistan Civil Service Institute (ACSI) training facilities will be ongoing. This work will include development on four sites throughout Afghanistan and will begin with geotechnical and survey studies. The Kabul RTC on the ACSI Kabul campus is to be developed first, with the completion of the site adaptation package in late April.

5.1.2.2 WO-LT-0004 MoPH Design Management

Tetra Tech will finalize the Environmental Assessment report that presents and discusses the results of the field investigations in the context of the proposed development. Tetra Tech will continue Project Management support throughout the design process, including coordination with OIEE and the design team.

5.1.2.3 WO-LT-0015 Kabul University Men's Dormitory, DFAC & Laundry

The Kabul University Men's Dining Facility, Dormitory renovation, and Laundry building, technical oversight and Quality Control work will be ongoing. Anticipated completion is June 30, 2011.

5.1.3 Water and Sanitation

5.1.3.1 *WO-LT-0005 GBHS Utility Construction Documents*

Tetra Tech will continue with construction services until installation of utilities at Ghazi Boys High School has been completed. Primary focus for this upcoming quarter is installation and operation of the wastewater treatment plant. This requires coordination with DABS to insure that power is furnished to the site by the utility company on a timeline compatible with the project schedule. Tetra Tech continues to interface with representatives of DABS to facilitate this process. Providing power to the Linkway Building is also being accomplished this quarter.

5.1.3.2 *WO-LT-0006 SGHS Utility Construction Documents*

Tetra Tech will continue with bid and construction services until the completion of the utilities at Sardar Girls High School. These services include attending weekly construction meetings, answering the contractor's design questions, providing insight on change orders, performing periodic site inspections, and participating in construction walk-through upon substantial completion.

5.1.4 Water Resources

5.1.4.1 *WO-LT-0034 Topchi Hydro Power Plant Design Review*

Tetra Tech will continue with design review coordination of ACEP/Winrock's construction drawings, technical specifications, and design calculations for each hydro power plant component. Tetra Tech will prepare and issue a brief report indicating the process completed to reach the final design document sign-off. The report will include recommendations for USAID to consider proceeding to the tendering of construction bids.

5.1.5 Transportation

5.1.5.1 *WO-LT-0007 Strategic Provincial Roads (SPR) Program*

Tetra Tech and IRD will continuously coordinate site visits of Tetra Tech QA monitors to the various SPR projects. The frequency of the visits will be contingent upon the progress of work and the status of security at the project sites.

5.1.5.2 *WO-LT-0009 PRT Support – Khost Bridge*

For a location in Khost Province, Tetra Tech will develop conceptual documents and BOQs detailing three different bridge designs. The three designs include box culverts, flat slab bridge superstructure supported on solid piers and abutments, and reinforced concrete deck beam with reinforced concrete deck slab supported on solid piers and abutments. The different designs will assist USAID/Khost PRT in determining which design is most cost effective. If funding can be secured, Tetra Tech will follow-up with final design documents.

5.1.5.3 *WO-LT-0029 Maimana and Faizabad Regional Airports*

Tetra Tech project personnel will continue site visits to the Maimana and Faizabad Regional Airports to provide third-party QA and technical review services to USAID and FAA. Tetra Tech will continue to assess and address the site drainage and project earthworks, the as-constructed runway profiles. The placed and compacted base course and sub-base materials will be inspected to check that the surfaces are of sufficient quality to allow for the paving of the runways, taxiways, and aprons. The site visits will be scheduled to coincide with the

milestone activities set forth in the project schedules that have been presented to Tetra Tech by the individual airport construction contractors.

5.2 Pending Work Orders

5.2.1.1 *WO-LT-0014 Vocational Training Center (VTC) Green Design*

Tetra Tech provided a scope of work (SOW) and rough order of magnitude (ROM) cost estimate to prepare construction documents from already produced concept design plans for the VTC building. As part of the final design, Tetra Tech would focus on green/sustainable building design materials and methods.

5.2.1.2 *WO-LT-0018 Tara Kheyli Girl's School Site Civil Design*

The scope of this long term work order is to provide a 100% construction drawing site design package, with technical specifications, including existing utilities, new water well, site boundary/topographic survey, and geotechnical report for the new Tara Kheyli Girl's School Building.

5.2.1.3 *WO-LT-0020 Sherberghan Pipeline EIA*

Tetra Tech has received the Initial Environment Examination (IEE) from USAID and is awaiting further direction on scope to begin the Environmental Impact Assessment (EIA).

5.2.1.4 *WO-LT-0026 NEPS to SEPS Connection Review*

The scope of this energy long term work order is currently being developed for Tetra Tech to provide planning and design services for the North East Power System (NEPS) to South East Power System (SEPS) electrical transmission line connection.

5.2.1.5 *WO-LT-0009 Task 2 PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies*

A previous administrative work order (WO-A-0061) included site investigation and technical support services for identifying potential dam and reservoir sites in Bamyan Province. The scope of this long term work order is to take the information provided from the WO-A-0061 report and provide the services required to prepare a complete pre-feasibility study for proposed dam sites in the Kalu, Shikari, and Fuladi Valleys of Bamyan Province.

5.2.1.6 *WO-LT-0009 Task 3 PRT Field Support - Bamyan Airport*

Tetra Tech developed a SOW and ROM to provide planning, architectural, engineering, cost estimating, and scheduling services for a new airport in Bamyan.

5.2.1.7 *WO-LT-0009 Task 4 PRT Field Support – Maton and Lanuk Crossings Conceptual Bridge Designs*

Tetra Tech is currently developing a SOW and ROM to complete the conceptual design for bridges located at Maton and Lanuk.

5.2.1.8 *WO-LT-0035 Economic Analyses of Planned Energy Sector Investments*

Tetra Tech is currently working on the deployment of an STTA to Kabul to prepare the SOW and ROM for this long term work order.

6.0 Financial

FY 2011 Q2 contract MOD activity increased the obligated funding to [REDACTED] through MOD 11.

6.1 Invoices, Projected Burn Rates, and Reach Back Usage

Table 6-1 AESP Expenditures and Burn Rate		
Cumulative Expenditures through December 31, 2010		[REDACTED]
January 2011 (Actual)	[REDACTED]	
February 2011 (Actual) ¹		
March 2011 (Forecast)		
Total FY2011 Q2 Expenditures ^{2 & 3}	[REDACTED]	
Cumulative Expenditures through March 31, 2010		[REDACTED]
Current Estimated Average Burn Rate per Month	[REDACTED]	

¹ During the February billing process, Tetra Tech found that the Intercompany fee from sister entities TAE, IWR, and IMR had not been separately identified and were invoiced to USAID. The credit was done to correct the error and refund the intercompany fee portion back to USAID in the February invoice.

² Adjusted salaries awaiting OAA approval were not invoiced for January, February, or March 2011.

³ A significant lag in subcontractor invoicing has reduced Q2 actual expenditures. These are anticipated to be recognized in Q3.

6.2 Contract/Task Order Issues

Status of Obligated Funds: Based on the current billing and projected burn rate, the [REDACTED] in Obligated Funding will be exhausted in mid-February 2012.

Level of Effort Summary: As of April 3, 2011; 4,260 reach back man-days and 10,594 in-country man-days for a total 14,854 man-days were expended. The estimated approved LOE (reference MOD 8) through FY2011 Q2 was 3,325 reach back man-days and 26,481 in-country man-days for a total 29,806 man days budgeted. Additional home office support budget will be requested based upon actual work load to date.

Appendix A

Work Order Status

WORK ORDER STATUS

Afghanistan Engineering Support Program
 IQC: Task Order 01 - EDH-I-00-08-00027-00
 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE)
 Revised April 9, 2011 (Reporting Thru March 27, 2011)

Energy
Water Resources
Vertical Structures
Transportation
Water and Sanitation
Multi-Disciplinary
USAID Technical Support

Program Type ⁽³⁾	Work Order Number	Description	Status ⁽⁴⁾	Estimated Cost (ROM)	In Country Cost to Date ⁽⁵⁾	Reach Back Cost to Date ⁽⁵⁾	Total Cost to Date ⁽⁵⁾	Total Hours
WO-A: Administrative Work Orders⁽¹⁾								
W/S	WO-A-0001	Review Kabul Water Study	Complete	NA				111.00
W/S	WO-A-0001A	Review of Kabul Water MTP-1 Bid Docs	Complete	NA				139.75
VS, E, & W/S	WO-A-0002	Review of AUAF Master Plan Infrastructure	Complete	NA				73.00
VS, E, & W/S	WO-A-0002A	AUAF Master Plan Rev & SOW/ROM	Complete	NA				54.50
W/S	WO-A-0003	GBHS Sanitation	Complete	NA				60.50
E	WO-A-0004	GBHS Electrical	Complete	NA				4.00
W/S	WO-A-0005	GBHS Water Supply	Complete	NA				42.50
W/S	WO-A-0006	Sardar GHS Sanitation	Complete	NA				1.50
E	WO-A-0007	Sardar GHS Electrical	Complete	NA				0.00
W/S	WO-A-0008	Sardar GHS Water Supply	Complete	NA				0.50
E	WO-A-0009	Integration of Nangarhar into NEPS	Complete	NA				116.00
TS	WO-A-0010	Review of BS-25 Draft Position	Complete	NA				2.00
E	WO-A-0011	HFO Feasibility for Tarakhil Power Plant	Complete	NA				112.50
TS	WO-A-0012	Position Advertisements	Complete	NA				13.00
E	WO-A-0013	Third Party MEP Review of IOM 20 Bed Hospital	Complete	NA				108.00
TS	WO-A-0014	Construction Equipment Costs	Complete	NA				15.00
E	WO-A-0015	MOT Electrical	Complete	NA				5.75
VS	WO-A-0016	AUAF Board of Trustees Support	Complete	NA				201.50
VS	WO-A-0017	Faculty of Education	Complete	NA				71.50
WR	WO-A-0018	Dam #1 Review for Pul-e-Khumri	Complete	NA				61.25
WR	WO-A-0019	Dam #2 Review for Pul-e-Khumri	Complete	NA				82.25
E	WO-A-0020	SEPS Additional Work	Complete	NA				0.50
VS	WO-A-0021	MoEW VTC Rehab Drawing Review	Complete	NA				74.50
VS	WO-A-0022	50 Bed Wmn Hosp Drawing Review	Complete	NA				76.50
TS	WO-A-0023	Data Collection for Afghan Contractors Capacity Building	Complete	NA				127.50
TS	WO-A-0024	Afghan First COP Meetings	Open	NA				1.00
WR	WO-A-0025	Kajaki Dam	Complete	NA				80.00
T	WO-A-0026	Environmental Haz Waste Assessment	Cancelled	NA	\$0	\$0	\$0	0.00
E	WO-A-0027	National Electric Distribution Work Unit Quantity Model	Complete	NA				131.00
VS	WO-A-0028	IOM 50 BH Samangan Geotech Review	Complete	NA				16.00
VS	WO-A-0029	CHEF PTTC Drawing Review	Complete	NA				86.50
VS	WO-A-0030	ISD-DGA Proposal Review	Complete	NA				24.00
VS	WO-A-0031	100 BH IQC Comparison ROM	Complete	NA				68.50
WR	WO-A-0032	Pul-e-Khumri Cost Estimate	Complete	NA				109.00
VS	WO-A-0033	MoPH Complex Structural Design Review	Complete	NA				43.00
WR	WO-A-0034	Kajaki Dam SOW	Complete	NA				144.50
VS	WO-A-0035	Vertical Structures Best Practices Document Outline	Cancelled	NA	\$0	\$0	\$0	0.00
VS	WO-A-0036	AUAF 3D CDR Presentations	Complete	NA				100.50
T	WO-A-0037	Doshi to Salang Tunnel Pavement Design Review	Complete	NA				122.00
E	WO-A-0038	Execution Plan for RC-East and Nangarhar Elec Power Distribution Program	Complete	NA				89.00
WR	WO-A-0039	Kajaki Dam Cost Review	Complete	NA				141.00
TS	WO-A-0040	Power Point Presentation	Complete	NA				7.00
VS	WO-A-0041	AVIPA Raison Drying Bed Review	Cancelled	NA	\$0	\$0	\$0	0.00
VS	WO-A-0042	AVIPA Processing Plant Review	Complete	NA				31.00
WR	WO-A-0043	Shahtoot and Sarobi II Dam Review	Complete	NA				144.50
VS, E, & W/S	WO-A-0044	Kabul University DFAC and Laundry 35% Design Review	Complete	NA				105.50

WORK ORDER STATUS

Afghanistan Engineering Support Program
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Energy
Water Resources
Vertical Structures
Transportation
Water and Sanitation
Multi-Disciplinary
USAID Technical Support

Program Type ⁽³⁾	Work Order Number	Description	Status ⁽⁴⁾	Estimated Cost (ROM)	In Country Cost to Date ⁽⁵⁾	Reach Back Cost to Date ⁽⁵⁾	Total Cost to Date ⁽⁵⁾	Total Hours
T	WO-A-0045	Chagcharan Airport Site Visit	Complete	NA				91.50
E	WO-A-0046	Jalalabad Elec Power Distribution	Complete	NA				29.50
T	WO-A-0047	Technical Review Maimana & Faizabad Airport	Complete	NA				133.00
TS	WO-A-0048	Action Memo SGFDP	Complete	NA				2.00
WR	WO-A-0049	Badakshan Bridge Independent Review	Complete	NA				131.00
TS	WO-A-0050	USAID DVD/CD Filing	Complete	NA				26.50
VS	WO-A-0051	MOT Electrical Phase II Drawing Review	Complete	NA				23.00
E	WO-A-0052	NEPS-SEPS Connection Review	Complete	NA				108.50
E	WO-A-0053	ACEP Report Review	Complete	NA				45.50
E	WO-A-0054	NLCC 30% Electrical Design Review	Complete	NA				26.00
VS	WO-A-0055	NLCC 90% Design Review	Complete	NA				69.50
VS	WO-A-0056	LGCDNA070 Communications Tower Review	Cancelled	NA	\$0	\$0	\$0	0.00
E	WO-A-0057	NEPS-Kandahar Construction Plan	Complete	NA				51.50
TS	WO-A-0058	Afghan Standardization	Open	NA				32.00
E	WO-A-0059	Parwan Road Village Electrification	Open	NA				101.00
W/S	WO-A-0060	Embassy Biodigestion Study	Open	NA				16.00
WR	WO-A-0061	Bamyan Dam Study	Complete	NA				150.50
VS	WO-A-0062	FOHE Schematic Design Review	Complete	NA				10.00
WR	WO-A-0063	Topchi Hydropower Plant Canal Review	Complete	NA				45.50
E	WO-A-0064	Sufyane Village Electrification	Open	NA				92.50
TS	WO-A-0065	Pre-Award Survey of Afghan Construction Companies	Complete	NA				19.00
VS	WO-A-0066	Sardar Roof Design Review	Complete	NA				132.00
VS	WO-A-0067	Ghazi Admin Bldg Design Review	Open	NA				123.00
TS	WO-A-0068	USAID Plan Filing	Open	NA				23.00
VS	WO-A-0069	Construction Principles Guidelines	Complete	NA				40.00
VS	WO-A-0070	100% NLCC Design Review	Complete	NA				41.00
VS	WO-A-0071	PTTC Water Tower Review	Complete	NA				144.00
TS	WO-A-0072	File Transfer Services	Open	NA				2.00
VS	WO-A-0073	Roof Framing Design for Sardar Girls High School	Open	NA				101.00
VS	WO-A-0074	Insulation Materials Technical Comparison	Open	NA				13.50

WO-LT: Long Term Work Orders⁽²⁾

VS	WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	Open					6300.50
VS, E, & W/S	WO-LT-0002	AUAF Concept Design	Complete					4626.00
VS	WO-LT-0003	Prototype Garage 100% Design	Void					0.00
W/S, E	WO-LT-0004	MoPH Design Management: Extension of Staff Services & Design Reviews	Open					2388.25
W/S, E	WO-LT-0005	GBHS Utility Construction Documents	Open					4687.00
W/S, E	WO-LT-0006	SGHS Utility Construction Documents	Open					3592.25
T	WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	Open					3749.00
T	WO-LT-0008	LAMPs for Maimana & Faizabad Airport	Complete					1359.50
T	WO-LT-0009	TASK 1	Open					1481.50
VS	WO-LT-0010	MOPH Drawings Review	Cancelled		\$0	\$0	\$0	0.00
E	WO-LT-0011	Tarakhil Start-Up Inspection	Cancelled		\$0	\$0	\$0	0.00
E	WO-LT-0012	PK to Chimtala Transmission Line	Open					970.50
VS	WO-LT-0013	Three Towers Project	Complete					3127.00
VS	WO-LT-0015	Kabul University Men's Dormitory Construction Inspection and DFAC Design Review	Open					1116.50

WORK ORDER STATUS

Afghanistan Engineering Support Program
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Energy
Water Resources
Vertical Structures
Transportation
Water and Sanitation
Multi-Disciplinary
USAID Technical Support

Program Type ⁽³⁾	Work Order Number	Description	Status ⁽⁴⁾	Estimated Cost (ROM)	In Country Cost to Date ⁽⁵⁾	Reach Back Cost to Date ⁽⁵⁾	Total Cost to Date ⁽⁵⁾	Total Hours
E	WO-LT-0016	Kandahar 10 MW Solar	Cancelled	NA	\$0	\$0	\$0	0.00
T	WO-LT-0019	US Embassy Air Facility Construction QA	Cancelled		\$0	\$0	\$0	0.00
E	WO-LT-0021	Selected NEPS Transmission Line Field Investigation	Open					48.00
E	WO-LT-0022	Power Reliability Study (US Embassy, USAID)	Open					61.00
E	WO-LT-0023	Afghanistan Electrical Transmission & Generation Study	Open					24.00
E	WO-LT-0024	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	Open					93.00
E	WO-LT-0025	RC-East Villages Electrification	Open					291.50
WR	WO-LT-0027	Bamyan Dam Study	Cancelled		\$0	\$0	\$0	0.00
WR	WO-LT-0028	Sarobi II Dam	Cancelled	TBD	\$0	\$0	\$0	0.00
T	WO-LT-0029	Maimana and Faizabad Airport 3rd Party QA	Open					205.50
E	WO-LT-0030	Sheberghan 200MW Power Plant Feasibility Study	Open					24.00
E	WO-LT-0031	Concept Design for Three 20-kV Lines	Open					58.00
E	WO-LT-0032	KHP QA Oversight	Cancelled		\$0	\$0	\$0	
TS	WO-LT-0033	USAID/OAA Claims Assistance	Open	TBD	\$0	\$0	\$0	0.00
WR	WO-LT-0034	Topchi HPP Design Review	Open					407.00
E	WO-LT-0036	Tarakhil PP Operational Evaluation	Open		\$0	\$0	\$0	0.00
W/S	WO-LT-00xx	Bio Sand Filter	Cancelled					0.00
T	WO-LT-00xx	Herat-Chaghcharan Road Illustrative Task Order	Cancelled		\$0	\$0	\$0	0.00
VS	WO-LT-00xx	AEIC Building Construction Drawings	Cancelled		\$0	\$0	\$0	0.00
Pending Work Orders								
VS	WO-LT-0014	VTC Green Design	Pending		\$0	\$0	\$0	0.00
VS	WO-LT-0018	Tara Kheyl School Site Civil	Pending		\$0	\$0	\$0	0.00
E	WO-LT-0020	Sherberghan Pipeline EIA	Pending		\$0	\$0	\$0	0.00
E	WO-LT-0026	NEPS to SEPS Connection Review	Pending	TBD	\$0	\$0	\$0	0.00
T	WO-LT-0009	PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies	Pending		\$0	\$0	\$0	0.00
T	WO-LT-0009	TASK 3 PRT Field Support - Bamyan Airport	Pending		\$0	\$0	\$0	0.00
T	WO-LT-0009	Maton and Lanuk Crossings Conceptual Bridge Designs	Pending	TBD	\$0	\$0	\$0	0.00
E	WO-LT-0035	Economic Analyses of Planned Energy Sector Investments	Pending	TBD	\$0	\$0	\$0	0.00

Notes ^(#):

- (1) Work Orders with anticipated level of effort of 18-mandays or less
- (2) Work Orders that are planned to equal more than 18-mandays
- (3) Program Type: Technical Support (TS), Energy (E), Transportation (T), Vertical Structures (VS), Water/Sanitation (W/S) or Water Resources (WR)
- (4) Status: Pending Approval, Open, or Complete
- (5) Labor, expenses, OH, GA, and fee.

Project Issues Summary

Project Issues Summary		Key		
	R	●	Issue requires direction or is behind schedule.	
Afghanistan Engineering Support Program (AESP)	Y	●	Issue is proceeding but clarification or direction is required for completion.	
UPDATED: 27 March 2011 By: [REDACTED]	G	●	Issue is proceeding and is expected to be completed on schedule.	
Issue			Status	Action Required
CONTRACT PLANS				
Annual Work Plan	G	●	Draft Year 2 Work Plan Submitted 9/1/10. TT submitted final 10/12/10. Year 3 Work Plan Due 9/1/11.	No action required
PMP (Performance Monitoring Plan)	G	●	Final PMP submitted 4/3/2010. USAID requested revisions 10/16/10 and met with TT on 11/6. TT submitted draft 11/20/10. Sector PMP forms submitted 11/22/10.	POC Reviews of Sector PMP Forms and COTR Review and Comment of revised PMP
Quarterly Progress Reports	G	●	Draft FY2011 Q1 Quarterly Report submitted 1/3/11. Final FY2011 Q1 Report submitted 1/26/11.	TT to submit next Quarterly Report on 4/10/11
Annual Report for Each FY	G	●	TT submitted Draft 11/1/10 and received verbal comments from COTR 11/9/10. TT submitted Final 11/13/10.	No action required
CAC Cards	Y	●	MOD 10 requires TT to track employees in the SPOTS system. CO sent information to TT SPOTS coordinator.	No action required
Subcontractor and Purchase Limit for Consent	G	●	CO approved \$25K Micro-purchase, RFP required for amount over \$25K, and CO consent needed for amount over \$150K.	No action required
Financial				
Status of Obligated Funds and Budget Approval	G	●	Recent LOE changes discussed at meeting on 1/18/11 and 1/25/11. Letter submitted 1/31/11. Approval received 2/22/11. MOD 11 for MoPH AMDs approved 2/1/11.	No action required
Contract Expenditure Status	G	●	At the current expected burn rate, the current obligated funding (\$29.94M) is expected to be depleted at the end of November 2011.	TT to provide burn rate on 4/12/11
Quarterly Accruals	G	●		TT to provide next quarterly billing and burn 6/14/11
1420s & Staffing Approval				
1420 Approvals for Tetra Tech Employees and Sub-Consultants	G	●	Updated 1420 Status List submitted to OIEE 3/27/11.	OAA action required on 92 (T-0058, T-0059, T-0082, T-0083, T-0085, T-0087, T-0088, T-0089, T-0090, T-0092)
CV Technical Approvals for Tetra Tech Employees and Sub-Consultants	G	●	CVs for [REDACTED] and [REDACTED] submitted on 3/13/11.	COTR technical approval required
Misc Items				
Success Stories (Periodic)	G	●	TT received examples from COTR 11/7/10. TT revised and submitted 2 stories to discuss and met with DCO 11/24. Two stories submitted on 1/29/11.	TT to prepare stories as projects are completed

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