

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.



USAID | **AFGHANISTAN**
FROM THE AMERICAN PEOPLE

ENGINEERING SUPPORT PROGRAM

Q3 QUARTERLY REPORT FY2011



Submitted: July 20, 2011

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

This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.

Principal
Contacts:

[REDACTED]
Tetra Tech
Washington, DC
[REDACTED]

[REDACTED]
Tetra Tech
Framingham, MA
[REDACTED]

[REDACTED]
Tetra Tech
Framingham, MA
[REDACTED]

[REDACTED]
Chief of Party
Tetra Tech
Kabul, Afghanistan
[REDACTED]

Implemented by:

Tetra Tech
1 Grant Street
Framingham, MA 01701
Tel: (508) 903-2000
Fax: (508) 903-2001



July 20, 2011

[REDACTED]
[REDACTED]
U.S. Agency for International Development
Café Compound
U.S. Embassy
Great Massoud Road
Kabul, Afghanistan

Re: Contract No. EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program; Draft Q3 Quarterly Report FY 2011

[REDACTED]
Per section C.5, "Deliverables," paragraph D of the above referenced contract, we are submitting the Draft 3rd Quarter Report for the 2011 Fiscal Year. The report covers the period of April 1, 2011 through June 30, 2011.

Tetra Tech will finalize this report upon your concurrence. 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 Q3 QUARTERLY REPORT FY2011

July 20, 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.

Table of Contents

1.0	Executive Summary	1
2.0	Program Staffing.....	1
2.1	Expatriate Staffing	2
2.2	Expat Staffing Changes	3
2.3	Local National Staffing.....	3
2.4	Local National Staff Changes	3
3.0	Contract/Task Order.....	4
3.1	Contract/Task Order Activities	4
3.2	Contract/Task Order Deliverables	4
4.0	Work Orders	4
4.1	Sector Activities.....	4
4.1.1	Energy.....	4
4.1.2	Vertical Structures	6
4.1.3	Water and Sanitation.....	7
4.1.4	Water Resources	7
4.1.5	Transportation.....	7
4.2	Progress.....	9
5.0	FY2011 Q4 Initiatives.....	12
5.1	Existing Long Term Work Orders	12
5.1.1	Energy.....	12
5.1.2	Vertical Structures	13
5.1.3	Water and Sanitation.....	13
5.1.4	Water Resources	14
5.1.5	Transportation.....	14
5.2	Pending Work Orders	15
6.0	Financial.....	15
6.1	Invoices, Projected Burn Rates, and Reach Back Usage	16
6.2	Contract/Task Order Issues.....	16

List of Tables

Table 1-1	Active FY2011 Q3 AESP Work Orders
Table 2-1	International Staffing and Deployment
Table 2-2	Local National Staffing
Table 4-1	FY2011 Q3 Active Work Order Summary
Table 6-1	AESP Expenditures and Burn Rate

List of Appendices

Appendix A	Work Order Status
	Project Issues Summary

1.0 Executive Summary

This is the Fiscal Year 2011 Third Quarterly (FY2011 Q3) Report submitted under Task Order EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program. The reporting period is for April 1, 2011 through June 30, 2011.

Table 1-1 Active FY2011 Q3 AESP Work Orders						
Work Order Type	Sector					
	Energy	Water and Sanitation	Water Resources	Transportation	Vertical Structures	Technical Support Services
Administrative Work Orders	2	1	0	2	1	4
Long Term Work Orders	10	3	1	3	2	2
The value of current Long Term Work Orders plus the amendments to existing Long Term Work Orders in FY2011 Q3 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 Expat 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 three (3) local national (LN) staff during the 3rd quarter.

2.0 Program Staffing

The OIEE AESP Program added four (4) expatriate staff members during the FY2011 Q3. In addition to these long term staff, a number of STTAs made trips in support of the energy work orders.

2.1 Expatriate Staffing

Table 2-1 International Staffing and Deployment			
Employee Name	Position	Afghanistan Arrival	Afghanistan Departure
	Chief of Party	11/20/09	4/23/10
	Finance Manager	11/20/09	N/A
	Vertical Structures Lead	12/6/09	5/27/10
	Energy Lead	12/6/09	1/18/11
	IT Specialist (STTA)	12/6/09	5/3/10
	Contracts Manager	12/13/09	12/11/10
	Chief of Party	12/23/09	10/8/10
	MIS Manager	12/23/09	6/29/11
	Water/Wastewater Engineer	12/23/09	6/23/10
	Water Resources Lead	2/17/10	2/20/11
	Junior Civil/Structural Engineer	2/17/10	11/19/10
	Geologist (STTA)	3/8/10	6/12/10
	Deputy Chief of Party	3/15/10	3/13/11
	Acting Chief of Party	6/14/10	6/27/10
	Vertical Structures Lead	6/14/10	N/A
	Airport Planner (STTA)	6/14/10	7/12/10
	Technical Support Manager	6/26/10	N/A
	Water/Wastewater Lead	6/26/10	3/30/11
	Geologist (STTA)	7/13/10	11/20/10
	Deputy Chief of Party ⁽¹⁾	7/31/10	N/A
	PRT Manager	7/31/10	N/A
	Procurement and Finance Auditor	7/19/10	8/16/10
	Chief of Party	8/26/10	N/A
	Electrical Engineer	8/26/10	9/4/10
	Administrative Manager	9/13/10	2/3/11
	Information Technology	10/3/10	10/24/10
	Sr. Quality Assurance Inspector/Sr. Construction Mgr.	12/3/10	N/A
	Contracts Manager	12/28/10	N/A
	Energy Lead	1/5/11	N/A
	Junior Civil Engineer	1/19/11	N/A
	Junior Civil Engineer	2/20/11	N/A
	Vertical Structures Electrical Engineer ⁽²⁾	4/19/11	N/A
	Field Manager ⁽³⁾	4/19/11	N/A
	Sr. Economist (STTA)	4/25/11	5/5/11
	Administrative Manager	6/16/11	N/A

Notes:

- (1) Transportation Lead/SPR Manager then transferred to DCOP on June 6, 2011.
- (2) LTTA position replacement for previous Electrical Engineer [REDACTED]
- (3) LTTA position replacement for Water Resources Lead [REDACTED]

Abbreviations:

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

2.2 Expat Staffing Changes

██████████ was added to the staff as Vertical Structures Electrical Engineer.

██████████ was added to the staff as Field Services Manager.

██████████ was added to the staff as Administrative Manager.

██████████ MIS Manager, returned to the US in June.

2.3 Local National Staffing

Table 2-2 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
██████████	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
██████████	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
██████████	Cost Estimator – Senior/Tt	4/16/11
██████████	Contracts Assistant/Buyer/Tt	6/12/11

In addition to the Local National Staff listed above, six (6) LNs are employed for facilities maintenance and five (5) cooking staff are employed.

2.4 Local National Staff Changes

Three (3) local nationals were added to the Tetra Tech Staff during the 3rd quarter. One LN was hired as a replacement for the previous Contracts Assistant/Buyer, one as part of our in-house engineering staff to support on-going projects identified by USAID, and the other LN is part of our facility staff. The LNs continue to be 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

June 26, 2011: USAID issued a contract modification to MOD 11. The purpose of the contract modification was to incorporate the following clause: The contractor shall comply with and adhere to all USAID Afghanistan Implementing Partner Notice. Notices are provided to implementing partners at the time of issuance and are also available upon request from Cognizant Contracting Officer. A reminder was included to the contractor of the recently issued Implementing Partner Notice No. OAA-IP-2011-004 which incorporates Mission Order No. 201.04 entitled, “National Security Screening (Non-US Party Vetting)”.

3.2 Contract/Task Order Deliverables

April 19, 2011 Final FY2011 Q2 Quarterly Report

4.0 Work Orders

4.1 Sector Activities

The following sections describe the activities performed in each sector during FY2011 Q3 under this Task Order.

4.1.1 Energy

In the third quarter of FY2011, the Energy Sector continued 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. Per request from USAID, Tetra Tech is preparing to run additional computer simulations on powerflow capabilities of northern transmission lines.

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. The first scheduled trip was cancelled due to civil unrest and violence in the area. The investigation is rescheduled for July 2nd, 2011 and projected to last 10 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. Tetra Tech investigated and selected voltage monitor equipment to monitor DABS power. The equipment has been purchased and is being shipped to Kabul.

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

An engineer has gathered 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. Data analysis is progressing and a computer model is being prepared.

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 purchased materials for three villages: Chaykal B, Chaykal C and Jawzsang and they are being delivered. Another order has just been placed for two (2) additional villages: Chaykal A and D.

4.1.1.7 WO-LT-0030 Sherberghan 200MW Power Plant

Tetra Tech submitted a report on June 5, 2011 including gas turbine/reciprocating engine options, heat and mass balance equations, evaluation of major equipment, and discussion of site plans. The final report is expected to be submitted during FY2011 Q4.

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

Tetra Tech prepared conceptual design for the extension of three 20kV distribution lines:

- Chimtala to Maydan Shahr/Jalrez/Nerakh
- Boothak to Mohammed Agha

The third line is currently on hold pending information from RC-East/USAID:

- Chimtala to Jabel Seraj (cement plant)

Tetra Tech conducted aerial surveys for line routes and preliminary bill of materials for the first two lines. These points were presented to USAID for discussion and approval. Tetra Tech will then engage in detailed analysis to prepare the final conceptual design.

4.1.1.9 WO-LT-0035 Afghanistan Electricity Sector Economic Study

Based on a limited notice to proceed, Tetra Tech is developing a report outline and model to determine the economic impacts of energy sector investments. The USAID Mission Director was briefed on the work order status on June 22, 2011.

4.1.1.10 *WO-LT-0036 Tarakhil Power Plant Operational Evaluation*

A three-man team visited the plant to provide technical services for evaluating ongoing operability and maintenance concerns at the Tarakhil Power Plant. The Evaluation Team is preparing a Technical Report to identify any equipment deficiencies or operational and maintenance practices that may be negatively impacting the optimal performance of the power plant. A draft report was submitted to USAID for review on June 15, 2011.

4.1.1.11 *WO-A-0059 Parwan Road Village Electrification*

Tetra Tech provided final conceptual design for electrification of two (2) villages in the Parwan area. Tetra Tech will provide QA services upon delivery of the materials.

4.1.1.12 *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.

4.1.1.13 *WO-A-0077 KHPP Environmental Services*

Tetra Tech received notice to proceed to review the environmental mitigation efforts of installation and operation of diesel generation units for the Kandahar Helmand Power Plant (KHPP). The review of environmental mitigation efforts to be performed and report submitted during FY2011 Q4.

4.1.2 Vertical Structures

A summary of work performed during the FY2011 Q3 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. The previously selected Kabul site is under review and final site location is to be determined.

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. Final versions of the Scoping Statement and Environmental Assessment were submitted to USAID on May 19 and 21, 2011, respectively.

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. Final reviews were performed for the Men's Dormitory renovation project, and final reviews were performed for the Men's Dining Facility and Laundry buildings.

4.1.2.4 *WO-LT-0039 CHEF Environmental Site Assessment Services*

Tetra Tech began environmental site assessments at nine (9) CHEF sites based on the impacts and mitigation measures listed in the CHEF Program IEE. The Charikar, Parwan and Jalalabad, Nangahar CHEF sites were visited and inspected. Continued inspections are planned in the near future.

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 services and develop a finalized set of construction documents and bill of quantities. Project management tasks included attendance at weekly construction meetings and providing ongoing technical support to USAID.

4.1.4 Water Resources

4.1.4.1 *WO-LT-0009 Amendment 2 Bamyan Dam Sites Pre-Feasibility Studies*

Tetra Tech provided initial work for a feasibility study of four (4) dam site locations. Tetra Tech visited the four (4) potential dam sites with USAID and the topographic and geotechnical boring subcontractor. Topographic and geotechnical work has been completed at the single Kalu site. Work will commence at the three (3) Shikari sites once USAID funding is approved.

4.1.4.2 *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 through the Afghan Clean Energy Program (ACEP). 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 conducted weekly meetings with USAID and IRD staff to discuss the status of the completed and ongoing roads and the progress, problems and the upcoming site visit schedule for substantial and final inspection of the roads. The Final Implementation Plan was revised by IRD under with Roads #5, 9A/9B and 10 were placed under completed roads and

require no further site inspections. The construction milestones for Bridges #2 and #4 were extended until July 31st, 2011.

Upon frequent site visits to Bridges #2 and Bridge #4, Tetra Tech QA Engineers acquired site photos, documented any construction deficiencies, and notified IRD of any deficiencies.

Tetra Tech 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. Tetra Tech QA Monitors regularly reviewed IRD field and lab test reports and reported the locations and dates of any test failures to IRD.

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

- **April:** Road #7, 9A, 9B, 11, Bridge #2 and 4.
- **May:** Road #5, 9A, 9B, 10, Bridge #2 and 4.
- **June:** Road #41, Bridge #2 and 4.

After each site visit performed by Tetra Tech QA staff, the field observation reports, photos of all site activities, lab and field testing documentation were compiled and developed into monthly site visit reports and delivered to USAID upon completion.

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. USAID/Khost PRT determined that the reinforced concrete design was the most appropriate design for the crossing and meets the needs of the Khost PRT and Khost Province. Tetra Tech is currently completing final design documents.

4.1.5.3 WO-LT-0009 Task 4 PRT Field Support – Matun and Lakan Crossings Conceptual Bridge Designs

Tetra Tech completed the bridge type studies for bridges located at Matun and Lakan.

4.1.5.4 WO-LT-0029 Maimana and Faizabad Regional Airports

Tetra Tech project staff conducted five meetings with MoTCA, USAID, ADB, FKH, GHI, FAA and KNK to discuss all outstanding issues at both airports. Upon completion of each of the following site visits, a site visit report, including photo documentation, was submitted to USAID.

On April 5, 2011, a Tetra Tech QA Engineer traveled to Maimana airport to observe ongoing construction activities. The QA Engineer obtained soil samples from the runway shoulder, borrow pit (river bed), and safety zone to determine the CBR of the soils.

On May 25, 2011, Tetra Tech, FAA, MoTCA, FKH, and GHI traveled to Maimana Airport to observe and investigate outstanding issues. The purpose of the site visit was to observe apron construction, resolve site drainage design issues, observe runway damage areas, and determine suitability of safety zone and shoulder construction materials.

On May 31, 2011, a Tetra Tech QA Engineer visited Faizabad airport and observed ongoing activities and reviewed field and lab test results. The Tetra Tech QA Engineer observed the contractor casting of cylinders for compressive strength and performing slump tests and field density tests.

On June 12, 2011, a Tetra Tech QA Engineer traveled to Maimana Airport to conduct a site visit. The QA Engineer observed the repair of damaged runway, excavation of safety zone and back fill with 30 centimeters of embankment material, with CBR of 40%, and compaction of 95% Relative Compaction.

4.1.5.5 *WO-A-0075 Khost-Gardez Highway Failure Investigation*

Tetra Tech provided third party QA services for the Khost-Gardez Highway road failure. Tetra Tech reviewed design and construction documents, performed a site visit, reviewed Louis Berger Group's (LBG) proposed repair, and prepared a report of our findings. A Tetra Tech Lead Transportation Engineer, geologist, and LBG project Manager traveled to Gardez to conduct the site visit. Photos from the area were acquired and the limit of failure was measured. Tetra Tech prepared a preliminary report of the site and attended two meetings with LBG and USAID where the report findings were discussed. The final report was completed and delivered to USAID.

4.2 Progress

FY 2011 Q3 Work Order activity under this Task Order included work on 9 Administrative Work Orders and 21 Long Term Work Orders for a total of 30 Work Orders. Following is the breakdown of number of Work Orders by sector:

- Energy: 2 Administrative Work Orders, 10 Long Term Work Orders
- Water, Sanitation, and Water Resources: 1 Administrative Work Order, 3 Long Term Work Orders
- Transportation: 2 Administrative Work Orders, 3 Long Term Work Orders
- Vertical Structures: 1 Administrative Work Orders, 2 Long Term Work Orders (includes architecture, energy, and water and sanitation support)
- Technical Support Services: 4 Administrative Work Orders, 2 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 Q3 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 April 1, 2011 Thru June 30, 2011</p>		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q3
WO-A: Administrative Work Orders⁽¹⁾		
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. Tetra Tech submitted a report with recommendations to USAID regarding adoption of those standards by OIEE.
WO-A-0059	Parwan Road Village Electrification	Tetra Tech provided design activities that included identifying village power requirements for Gozar and Seraje Khoja villages for CERP funding actions by RC-East. Tetra Tech developed a BOQ for each village. Tetra Tech will provide QA services on the delivery.
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 two (2) Sufyane Villages for immediate CERP funding actions by RC-East. Tetra Tech developed a BOQ for each village. Tetra Tech provided QA services on the delivery.
WO-A-0072	File Transfer Services	Tetra Tech is assisting USAID with downloading project files off of FTP sites and creating CD copies of the files.
WO-A-0075	Khost-Gardez Highway Failure Investigation	Tetra Tech completed a site visit, reviewed design and construction documents, and prepared a report of the findings.
WO-A-0077	KHPP Environmental Services	Tetra Tech will perform a review of the environmental mitigation efforts of installation and operation of diesel generation units for the Kandahar Helmand Power Plant (KHPP).
WO-LT: Long Term Work Orders⁽²⁾		
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	Project Management support and coordination with OIEE and the design team. Submitted final versions of the Scoping Statement (5/19/11) and Environmental Assessment (5/21/11).
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.
WO-LT-0006	SGHS Utility Construction Documents	Tetra Tech submitted a revised Addendum 1 BOQ to USAID on 5/17/11 and Addendum 2 Plans and BOQ to USAID on 5/26/11. Tetra Tech submitted Amendment 6 "Wastewater Treatment Study" to USAID on 6/16/11.
WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	QA Monitors made site visits to Bridges 2 and 4 and Roads 5, 7, 9A, 9B, 10, 11, and 41. Staff coordinating with IRD to continue making site visits to balance of ongoing road projects in SPR Program.

<p align="center">Table 4-1 FY 2011 Q3 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 April 1, 2011 Thru June 30, 2011</p>		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q3
WO-LT-0009 AMD 1	PRT Field Support – Khost Bridge Final Design	Tetra Tech completed the topographic survey of the bridge site and a majority of the geotechnical investigation
WO-LT-0009 AMD 2	PRT Field Support – Bamyan Dam Sites Pre-Feasibility Study	Site visit with USAID and the topographic and geotechnical subcontractor. Kalu site topographic and geotechnical work completed.
WO-LT-0009 AMD 4	PRT Field Support – Matun and Lakan Crossings Conceptual Bridge Design	Tetra Tech submitted bridge study to USAID 04/30/11
WO-LT-0012	Pul-e-Khumri (PK) to Chimtala Transmission Line	Tetra Tech is providing conceptual design services for the PeK to Chimtala electric transmission line upgrade. Tetra Tech submitted a draft report and held discussions with USAID. Tetra Tech is preparing a computer model to run additional simulations as requested by 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 is planning a field trip to investigate/assess the NEPS transmission system. The original trip was cancelled due to civil unrest and violence in the area.
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 purchased the 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. Data analysis continues.
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 for five (5) villages.
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.
WO-LT-0030	Sheberghan 200MW Power Plant Feasibility Study	Tetra Tech completed the feasibility study and submitted the final report exploring the best method of generation including 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 also conducted preliminary line route selection for a line Chimtala-Maydan Shahr. These findings were submitted to USAID and RC-East.
WO-LT-0033	USAID/OAA Claims Assistance	Tetra Tech is awaiting additional documentation to complete this review.

Table 4-1 FY 2011 Q3 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 April 1, 2011 Thru June 30, 2011		
Work Order Number	Work Order Title	Summary of Work Completed FY2011 Q3
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.
WO-LT-0035	Afghanistan Electricity Sector Economic Study	Tetra Tech is developing a report outline and model to determine the economic impacts of energy sector investments.
WO-LT-0036	Tarakhil Power Plant Operational Evaluation	Tetra Tech completed a site evaluation and submitted a report of the findings to USAID.
WO-LT-0039	CHEF Environmental Site Assessment Services	Site inspections at Charikar, Parwan and Jalalabad, Nangahar.

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 Q4 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 Q4 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. Computer simulations and the report are expected to be finalized during FY2011 Q4.

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 is planning another trip during FY2011 Q4. The final report is expected to be completed during FY2011 Q4.

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

The meters will be installed at two (2) DABS electric installations during FY2011 Q4.

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. Computer simulations will continue during FY2011 Q4.

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

Tetra Tech will prepare the final report based on USAID's preferred choice(s). The report is expected to be finalized during FY2011 Q4.

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 Q4.

5.1.1.7 *WO-LT-0030 Sherberghan 200MW Power Plant Feasibility Study*

Tetra Tech will submit the final report in FY2011 Q4.

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

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-0035 Afghanistan Electricity Sector Economic Study*

Tetra Tech is providing services to conduct an economic study of current, planned and previous investments in the electricity sector with the goal of evaluating the impact of those investments. The study will estimate benefits from electricity sector investment packages financed by USAID. The overall direction of this study will be guided by the long-term sustainability of the electricity sector and the Afghan consumers' ability to pay for the services they expect.

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-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 November 30, 2011.

5.1.2.3 *WO-LT-0039 CHEF Environmental Site Assessment Services*

Tetra Tech will continue site inspections on the seven (7) remaining sites. Interim and final reports will be submitted.

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 start-up 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.

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 contractor design questions, providing insight on change orders, performing periodic site inspections, and participating in construction walk-through upon substantial completion. In addition, upon USAID approval of Amendment 6, Tetra Tech will develop a Wastewater Treatment Study to determine the most sustainable solution to wastewater treatment at SGHS.

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.

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

The topographic and geotechnical work will be completed at the three (3) Shikari sites. Geotechnical Engineering Modeling and Hydrologic and Hydraulic Evaluations will be completed.

5.1.5 Transportation

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

Tetra Tech and IRD will continue to coordinate site visits for Tetra Tech QA monitors to observe substantial completion and final completion of SPR roads. The frequency of the visits will be contingent upon the progress of work and the status of security at the project sites. Tetra Tech will provide a detailed report of each site visit to USAID. Tetra Tech will continue to train Local National QA monitors on QA procedures and preparing site visit reports.

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

Tetra Tech developed conceptual documents and BOQs detailing four different bridge type designs for a potential bridge at Sagai in the Khost Province. 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. USAID/Khost PRT determined that the reinforced concrete design was the most appropriate design for the crossing and meets the needs of the Khost PRT and Khost Province. Tetra Tech is currently completing final design documents.

5.1.5.3 *WO-LT-0009 Task 4 PRT Field Support – Matun and Lakan Crossings Conceptual Bridge Designs*

Tetra Tech completed the bridge type studies for bridges located at Matun and Lakan.

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

Tetra Tech engineers and project managers will continue to provide third party Quality Assurance checks at both airports during major construction activities, including the construction of the runways, shoulders, and safety zones. Tetra Tech QA engineers will perform site visits to both airports as needed and will provide USAID with a detailed report of ongoing activities upon return from each site visit.

5.2 Pending Work Orders

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

Tetra Tech provided a revised 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-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).

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

The scope of this energy long term work order is 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.

5.2.1.4 *WO-LT-0009 Amendment 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.

5.2.1.5 *WO-LT-0037 Judicial Training Center Site Services*

Tetra Tech developed a SOW and ROM to provide technical support services for a UXO clearance, topographic survey and geotechnical report for the Judicial Training Center of the Supreme Court.

5.2.1.6 *WO-LT-0040 Ghazni 100-Bed Hospital Environmental Site Assessment Services*

Tetra Tech is awaiting direction from USAID regarding potential environmental site assessment work at this site.

6.0 Financial

FY 2011 Q2 contract MOD activity increased the obligated funding to \$29,936,827 through MOD 11.

6.1 Invoices, Projected Burn Rates, and Reach Back Usage

Table 6-1 AESP Expenditures and Burn Rate		
Cumulative Expenditures through March 31, 2011		
April 2011 (Actual)		
May 2011 (Actual)		
June 2011 (Forecast)		
Total FY2011 Q3 Expenditures		
Cumulative Expenditures through June 30, 2011		
Current Estimated Average Burn Rate per Month		

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 July 03, 2011; 4,977 reach back man-days and 14,205 in-country man-days for a total 19,182 man-days were expended. The estimated approved LOE (reference MOD 8) through FY2011 Q3 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

ACTIVE AND PENDING 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 July 3, 2011 (Reporting Thru June 26, 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	\$0	\$0	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
WR	WO-A-0025	Kajaki Dam	Complete	NA	█	█	█	80.00
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

ACTIVE AND PENDING 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 July 3, 2011 (Reporting Thru June 26, 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
WR	WO-A-0034	Kajaki Dam SOW	Complete	NA	█	█	█	144.50
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-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
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
E	WO-A-0057	NEPS-Kandahar Construction Plan	Complete	NA	█	█	█	51.50
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
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	█	█	█	61.00
VS	WO-A-0071	PTTC Water Tower Review	Complete	NA	█	█	█	144.00
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
T	WO-A-0076	Kabul Road Preliminary Costing	Open	NA	█	█	█	51.00

ACTIVE AND PENDING 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 July 3, 2011 (Reporting Thru June 26, 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
TS	WO-A-0024	Afghan First COP Meetings	Open	NA				2.00
TS	WO-A-0058	Afghan Standardization	Open	NA				77.00
E	WO-A-0059	Parwan Road Village Electrification	Open	NA				103.00
W/S	WO-A-0060	Embassy Biodigestion Study	Open	NA				16.00
E	WO-A-0064	Sufyane Village Electrification	Open	NA				148.50
TS	WO-A-0072	File Transfer Services	Open	NA				2.00
T	WO-A-0075	Khost-Gardez Highway Failure Investigation	Open	NA				129.00
TS	WO-A-0077	KHPP Environmental Services	Open	NA	\$0	\$0	\$0	0.00

WO-LT: Long Term Work Orders ⁽²⁾

VS	WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	Open					8561.50
VS, E, & W/S	WO-LT-0002	AUAF Concept Design	Complete					4626.00
W/S, E	WO-LT-0004	MoPH Design Management: Extension of Staff Services & Design Reviews	Open					2728.25
W/S, E	WO-LT-0005	GBHS Utility Construction Documents	Open					6058.50
W/S, E	WO-LT-0006	SGHS Utility Construction Documents	Open					4179.75
T	WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	Open					16135.00
T	WO-LT-0008	LAMPs for Maimana & Faizabad Airport	Complete					1359.50
T	WO-LT-0009	PRT Field Support	Open					1755.50
T	WO-LT-0009 AMD 1	PRT Field Support - Khost Bridge Final Design	Open					301.00
T	WO-LT-0009 AMD 2	PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies	Open					99.05
T	WO-LT-0009 AMD 4	Matun and Lakan Crossings Conceptual Bridge Designs	Open					12.00
E	WO-LT-0012	PK to Chimtala Transmission Line	Open					2163.50
VS	WO-LT-0013	Three Towers Project	Complete					3127.00
VS	WO-LT-0015	Kabul University Men's Dormitory Construction Inspection and DFAC Design	Open					1273.50
E	WO-LT-0021	Selected NEPS Transmission Line Field Investigation	Open					483.00
E	WO-LT-0022	Power Reliability Study (US Embassy, USAID)	Open					83.50
E	WO-LT-0023	Afghanistan Electrical Transmission & Generation Study	Open					924.00
E	WO-LT-0024	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	Open					461.50
E	WO-LT-0025	RC-East Villages Electrification	Open					668.50
T	WO-LT-0029	Maimana and Faizabad Airport 3rd Party QA	Open					389.50
E	WO-LT-0030	Sheberghan 200MW Power Plant Feasibility Study	Open					681.00
E	WO-LT-0031	Concept Design for Three 20-kV Lines	Open					553.00
TS	WO-LT-0033 AMD 1	USAID/OAA Claims Assistance	Open					1.00
WR	WO-LT-0034	Topchi HPP Design Review	Open					964.50
E	WO-LT-0035	Afghanistan Electricity Sector Economic Study	Open					4.00

ACTIVE AND PENDING 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 July 3, 2011 (Reporting Thru June 26, 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
E	WO-LT-0036	Tarakhil PP Operational Evaluation	Open	██████	██████	██████	██████	606.00
TS	WO-LT-0039	CHEF Environmental Site Assessment Services	Open	██████	██████	█	██████	51.00
Pending Work Orders								
VS	WO-LT-0014	VTC Green Design	Pending	\$0	\$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
VS	WO-LT-0037	Judicial Training Center Site Services	Pending	██████	\$0	\$0	\$0	0.00
T	WO-LT-0038	Khost-Gardez Highway Investigation	Pending	TBD	\$0	\$0	\$0	0.00
TS	WO-LT-0040	Ghazni 100-Bed Hospital Environmental Site Assessment Services	Pending	TBD	\$0	\$0	\$0	0.00
TS	WO-LT-0041	MoTCA - Regional Airport Support	Pending	██████	\$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: July 3, 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 8/2/11.	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.	No action required.
Quarterly Progress Reports	G	●	Final FY2011 Q2 Report submitted 04/19/11. Q3 Report due 7/10/11.	TT to submit Q3 report by 7/10/11.
Annual Report for Each FY	G	●	TT submitted final FY2010 Annual Report on 11/13/10. FY2011 Annual Report due 11/1/11.	No action required.
SPOT System Access				
SPOT System Access	Y	●	MOD 10 requires TT to track employees in the SPOTS system.	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 ([REDACTED]) is expected to be depleted at the end of February 2012.	TT to provide burn rate following May invoice submittal.
Obligated Contract Expenditure	G	●	At current expected burn rate, contract expenditures reaching 75%	TT to prepare letter
Quarterly Accruals	G	●		TT to provide next quarterly billing and burn 9/18/11.
1420s & Staffing Approval				
1420 Approvals for Tetra Tech Employees and Sub-Consultants	G	●	[REDACTED] CV to be discussed w/COTR	No action required.
Misc Items				
Success Stories (Periodic)	G	●	Two stories submitted on 1/29/11.	TT to prepare stories as work orders are completed.

USAID/Afghanistan
U.S. Embassy Cafe Compound
Great Masood Road
Kabul, Afghanistan
Tel: 202.216.6288
<http://afghanistan.usaid.gov>