

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

Q3 QUARTERLY REPORT FY2012



Draft Submitted: July 10, 2012

Final Submitted: July 22, 2012

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

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.

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July 22, 2012

[REDACTED]
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USAID – Office of Economic Growth and Infrastructure (OEGI)
Café Compound
U.S. Embassy
Great Masood Road Kabul, Afghanistan

Re: Contract No. EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program; Final Q3 Quarterly Report FY2012

Dear [REDACTED]

Per section C.5, "Deliverables," paragraph G of the above referenced contract, we are submitting the Final Third Quarter Report for the 2012 Fiscal Year. The report covers the period of April 1, 2012 through June 30, 2012.

Please feel free to contact me with any questions or comments.

Respectfully,

[REDACTED]

Chief of Party (AESP)
Tetra Tech, Inc.

AFGHANISTAN ENGINEERING SUPPORT PROGRAM

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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 2012 Third Quarter (FY2012 Q3) Report submitted under Task Order EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program (AESP). The reporting period is for April 1, 2012 through June 30, 2012.

The purpose of the AESP contract is to provide technical assistance to the Office of Economic Growth and Infrastructure (OEGI), by providing a quick response from a Kabul based core of expatriate architectural and engineering professionals.

The Kabul-based Tetra Tech Team provides planning, design, technical and oversight support, while also contributing to Afghanistan national labor capacity building, mentoring, and collaboration/coordination with appropriate stakeholders. The estimated period of performance for this contract is five (5) years from a notice to proceed date of November 14, 2009.

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

During FY2012 Q3, Tetra Tech AESP staff worked on 3 administrative work orders and 22 long term work orders for a total of 25 work orders. Administrative work orders are defined as those tasks taking less than or equal to 18 work days (144 work hours). Long term work orders are defined as those tasks taking longer than 18 work days (144 work hours). The majority of the work this quarter supported the Energy sector.

Each quarter, Tetra Tech AESP hosts USAID staff for a briefing on AESP. Each of the sectors describes examples of past and current assistance followed by the process of starting and organization of work orders.

Tetra Tech AESP provided capacity-building opportunities to our local engineering, administrative and support staff. Technical report writing classes offered this quarter introduced staff to writing techniques, report format and review processes. Additionally, local national staff participated in resume writing and review training.

Tetra Tech AESP efforts to achieve an equitable staffing mix amongst the technical staff involved interviews with female Architects for vacant technical position. Three female candidates have been identified for the open Architect position. Final screening is proceeding. The female internship program offered four female fifth year Civil Engineering students CAD training, technical writing instruction and site visits.

Through the work orders, Tetra Tech AESP remains supportive to USAID's mission in Afghanistan.

2.0 Program Staffing

The Tetra Tech AESP Program added two (2) expatriate staff members during the FY2012 Q3.

2.1 Expat Staffing

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	10/8/10
[REDACTED]	MIS Manager ⁽¹⁾	12/23/09	6/29/11
[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	8/30/11
[REDACTED]	Airport Planner (STTA)	6/14/10	7/12/10
[REDACTED]	Technical Support Manager	6/26/10	3/22/12
[REDACTED]	Water/Sanitation Lead	6/26/10	3/30/11
[REDACTED]	Geologist (STTA)	7/13/10	11/20/10
[REDACTED]	Deputy Chief of Party ⁽²⁾	7/31/10	2/2/12
[REDACTED]	Sr. Project Manager ⁽³⁾	7/31/10	N/A
[REDACTED]	Procurement and Finance Auditor	7/19/10	8/16/10
[REDACTED]	Chief of Party ⁽⁴⁾	8/26/10	N/A
[REDACTED]	Vertical Structures 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 Mgr.	12/3/10	N/A
[REDACTED]	Contracts Manager	12/28/10	N/A
[REDACTED]	Energy Lead	1/5/11	6/30/11
[REDACTED]	Junior Civil Engineer	1/19/11	7/17/11
[REDACTED]	Junior Civil Engineer	2/20/11	2/19/12
[REDACTED]	Vertical Structures Electrical Engineer ⁽⁵⁾	4/19/11	N/A
[REDACTED]	Field Services Manager ⁽⁶⁾	4/19/11	N/A
[REDACTED]	MIS Manager ⁽⁷⁾⁽¹³⁾	6/16/11	N/A
[REDACTED]	Energy Lead ⁽⁸⁾	7/4/11	N/A
[REDACTED]	Transportation Lead ⁽⁹⁾	7/3/11	N/A
[REDACTED]	Deputy Chief of Party ⁽¹⁰⁾	7/14/11	N/A
[REDACTED]	Communications Specialist ⁽¹¹⁾	8/18/11	N/A
[REDACTED]	Junior Engineer ⁽¹²⁾	8/18/11	6/20/12
[REDACTED]	MIS Manager	9/16/11	6/7/12
[REDACTED]	Sr. Energy Specialist	1/13/12	N/A
[REDACTED]	Sr. Contracts/FM Support	3/12/12	6/09/12
[REDACTED]	Water/Sanitation Lead	4/9/12	N/A
[REDACTED]	Jr. Civil Engineer	4/9/12	N/A

Notes:

- (1) Junior Civil Engineer then transferred to the position of MIS Manager after [REDACTED] demobilized.
- (2) Transportation Lead/SPR Manager then transferred to the position of Deputy Chief of Party upon the arrival of [REDACTED].
- (3) LTTA position transition from PRT Manager to Sr. Project Manager.
- (4) Deputy Chief of Party then transferred to the position of Chief of Party after [REDACTED] demobilized.
- (5) LTTA position replacement for previous Vertical Structures Electrical Engineer, [REDACTED].

- (6) LTTA position replacement for previous Water Resources Lead, [REDACTED]
- (7) LTTA position replacement for previous Administrative Manager, [REDACTED]
- (8) LTTA position replacement for previous Energy Lead, [REDACTED]
- (9) LTTA position replacement for previous Transportation Lead, [REDACTED] after his transition to Deputy Chief of Party.
- (10) LTTA position replacement for previous Deputy Chief of Party, [REDACTED]
- (11) LTTA position created from transition of PRT Manager to Communications Specialist.
- (12) LTTA position created from transition of Junior Civil Engineer to Junior Engineer.
- (13) LTTA position replacement for previous MIS Manager, [REDACTED]

2.2 Expat Staffing Changes

[REDACTED] arrived in Kabul as the Water/Sanitation Lead.

[REDACTED] arrived in Kabul as the Junior Civil Engineer.

[REDACTED] STTA Sr. Contracts/FM Support demobilized to the states.

[REDACTED] LTTA Jr. Engineer demobilized to the states.

[REDACTED] LTTA MIS Manager demobilized to the states.

2.3 Local National Staffing

Table 2.2
Local National Staffing

Employee Name	Position	Hire Date	End Date
[REDACTED]	Government Liaison/Tt	12/2/09	N/A
[REDACTED]	Facilities Maintenance/Tt	3/20/10	N/A
[REDACTED]	Facilities Manager/Tt	3/20/10	N/A
[REDACTED]	Contracts Assistant/Buyer/Tt	3/22/10	5/4/11
[REDACTED]	Accountant/Tt	3/23/10	N/A
[REDACTED]	Internal Auditor/Tt	3/27/10	N/A
[REDACTED]	Mid-Level Architect/Tt	4/5/10	5/31/12
[REDACTED]	IT Manager/Tt	4/15/10	N/A
[REDACTED]	IT Assistant/Tt	4/20/10	N/A
[REDACTED]	HR Manager/Tt	7/3/10	N/A
[REDACTED]	SPR Administrative Assistant/Tt	9/13/10	N/A
[REDACTED]	Administrative Assistant/Tt	10/1/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR Mid-Level engineer/ USACC	10/9/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/9/10	5/8/11
[REDACTED]	SPR QA Monitor/USACC	10/12/10	10/10/11
[REDACTED]	Civil Engineer – Junior Level/USACC	10/24/10	8/16/11
[REDACTED]	Senior Administrative Assistant/Tt	10/24/10	N/A
[REDACTED]	Structural Engineer – Junior Level/SMART	11/29/10	N/A
[REDACTED]	Electrical Engineer – Junior Level/SMART	12/5/10	N/A
[REDACTED]	Civil Engineer – Mid Level/SMART	12/7/10	N/A
[REDACTED]	SPR QA Monitor/USACC	12/11/10	N/A
[REDACTED]	Electrical Engineer – Mid Level/SMART	3/15/11	N/A
[REDACTED]	Cost Estimator – Senior/Tt	4/16/11	N/A
[REDACTED]	Subcontract Specialist ⁽¹⁾	6/12/11	N/A
[REDACTED]	Civil Engineer – Junior Level/SMART	10/28/11	N/A
[REDACTED]	Technical Writer and GIS Analyst	11/12/11	2/12/12
[REDACTED]	Technical Writer and GIS Analyst	3/26/12	N/A
[REDACTED]	Buyer	6/09/12	N/A

Notes:

- (1) Buyer promoted to the position of Subcontract Specialist.



In addition to the Local National Staff listed above, six LNs were employed for facilities maintenance and five employed as kitchen staff.

2.4 Local National Staff Changes

One local national was added to the Tetra Tech Staff during the third quarter for the position of Buyer. One local national was promoted from Buyer to Subcontract Specialist. 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 Deliverables FY2012 Q3

April 10, 2012	Draft FY2012 Q2 Quarterly Report
April 18, 2012	Final FY2012 Q2 Quarterly Report

4.0 Work Orders

4.1 Sector Activities

The following table is a summary of the active work orders per sector during FY2012 Q3.

Table 4.1 Active FY2012 Q3 Work Orders						
Work Order Type	Sector					
	Energy	Water and Sanitation	Water Resources	Transportation	Vertical Structures	Technical Support Services/Multi-Disciplinary
Administrative Work Orders	1	1	0	0	1	0
Long Term Work Orders	4	0	0	6	7	5
The value of Long Term Work Orders initiated in FY2012 Q3 total						

The following sections describe the activities performed in each sector during FY2012 Q3 under this Task Order.

4.1.1 Energy

The following is a summary of work performed during the quarter by the Energy sector. Tetra Tech AESP continued work on a number of long term work orders to meet the objectives outlined in the Department of Defense *Report on Progress Toward Security and Stability in Afghanistan* (October 2011). The work product/studies will be the cornerstone to establish a reliable electrical transmission and generation system in Afghanistan. Existing long term work orders are described as follows:

4.1.1.1 WO-LT-0048 Engineering Study for 220kV Transmission Line from Dasht-E-Barchi to Kandahar

The work order created a partial design package (Technical Section, Part 2 for DABS, on-budget procurement use) for the 220kV transmission line from Dasht-e-Barchi Substation (SS) to a proposed Kandahar East SS. USAID directed notice to proceed on March 12, 2012. USAID gave notice on May 30, 2012 to proceed for Amendment 1 to perform the following: 1) amend the list of primary substations along this transmission line, 2) add scope for medium voltage (MV) and low voltage (LV) distribution from the proposed primary substations, and 3) provide additional, limited assistance to DABS. The current scheduled end date for the work is October 31, 2012. Tetra Tech is preparing Amendment 2 to this work order to provide distribution to new and existing DABS customers near the proposed transmission line.

4.1.1.2 WO-LT-0053 NEPS and NEPS-SEPS Connection Assessments

The notice to proceed for this work order was received on February 8, 2012. A draft final report was submitted to USAID on June 11, 2012. The report evaluated future options and recommendations concerning the development of NEPS, SEPS, and NEP to SEPS development. Questions and responses from USAID are ongoing leading to the eventual submission of a final report during the fourth quarter.

4.1.1.3 WO-LT-0054 Reactive Power Compensation for Pul-e-Khumri (PK) to Chimtala

Tetra Tech AESP is performing a study using Power System Simulator for Engineering (PSS/E) and creating a partial design package for the Reactive Power Compensation (RPC) for the NEPS system that will permit the Pul-e-Khumri to Chimtala 220kV transmission line to carry the optimum amount of power approaching the conductor's thermal limit of approximately 450MW. The design package will also include installation of an additional 160MVA 220/110kV auto-transformer at the Chimtala substation. USAID gave notice on June 4, 2012 to proceed with Amendment 1 to perform the following: 1) add RPC to points along the Dasht-e-Barchi to Kandahar East transmission line, and 2) provide additional, limited assistance to DABS. The current scheduled end date for the work is October 31, 2012.

4.1.1.4 WO-LT-0055 Darunta HPP Assessments

This work order was created to assess and recommend options available for the Darunta Hydro Power Plant. The work was on hold throughout the third quarter.

4.1.2 Vertical Structures

The following is a summary of work performed during the quarter by the Vertical Structures group which included providing technical support, document review, attending meetings, and design input to USAID.

4.1.2.1 WO-LT-0001 Regional and Provincial Training Centers Concept and Final Design

This work order was closed during the quarter.

4.1.2.2 WO-LT-0014 Vocational Training Center Scoping Narrative

This work order was closed during the quarter.

4.1.2.3 WO-LT-0015 Kabul University Technical Assistance

Tetra Tech AESP continued third party technical support. Weekly construction coordination project meetings were attended and field observation conducted for dormitory, dining facility and laundry facility. Other duties included submittal reviews and design modification review and comment.

4.1.2.4 WO-LT-0052 Operations and Maintenance (O&M) Cost Estimates

Tetra Tech AESP created draft O&M cost budgets for twelve Construction of Health and Education Facilities (CHEF) program sites, six Facilities of Higher Education (FoHE), Sardar Girls High School, Ghazi Boys High School and Kabul University. The draft cost budgets were submitted to USAID during the quarter.

4.1.2.5 WO-LT-0056 Seismic Reconstruction Retrofit Projects

Tetra Tech AESP reviewed IRD Reconstruction Action Plans and additional information from USAID. Site visits are to be scheduled to designated sites. A report of findings and recommendations of existing structures to create a seismic activity resistant structure will be prepared. A draft report was submitted to USAID on May 1, 2012. Comments have been received and incorporated into the draft report. Additional analysis for roof structure reactions was requested by USAID.

4.1.2.6 WO-LT-0057 Tarakhil Fire Suppression System Analysis

Notice to proceed to perform this work order was received on May 14, 2012. Work included field visits to the Tarakhil Thermal Power Plant to observe and assess the fire suppression and fire alarm

systems. A draft report was delivered to USAID on June 14, 2012. A final report was submitted on June 26, 2012.

4.1.2.7 WO-LT-0060 Sar-e-Pul Hospital Assessment

Notice to proceed was received on June 13, 2012 to provide an engineering assessment, evaluation, design and cost estimating services for the Sar-e-Pul Hospital damaged by flooding in the region. Site visit coordination is delayed due to unrest in province.

4.1.3 Water and Sanitation

A summary of work performed during the quarter by the Water and Sanitation sector included construction administration services, document review, project meeting attendance, and design input on utilities project.

4.1.3.1 WO-LT-0006 Sardar Girls High School (SGHS) Utility Construction Documents

USAID awarded the construction contract for utilities in June 2012. The construction kick-off meeting was held onsite. Construction administration services for site layout, grading and utilities were supported. AESP engineering staff assisted at meetings, provided onsite QA oversight for construction and commenced the process of responding to requests for information (RFI's) from the construction contractor.

4.1.4 Transportation

The following is a summary of work performed during the quarter by the Transportation sector. Work performed included QA oversight for roads, rehabilitation of regional airports, project administration capacity building with MoTCA, and O&M evaluation for the Ministry of Public Works.(MoPW)

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

This work order was closed during the quarter.

4.1.4.2 WO-LT-0009 Amendment 2 PRT Support – Bamyan Dam Sites Pre-Feasibility Studies

In May 2012, Tetra Tech AESP attended briefings with OEGI personnel to discuss a strategy for continuation of this work order

4.1.4.3 WO-LT-0029 Technical Assistance to USAID for Rehabilitation Design and Construction on Maimana and Faizabad Regional Airports Runways and Aprons

The AESP senior transportation engineer made one trip to Maimana airport and three trips to Faizabad airport with USAID and MoTCA representatives. Trips were conducted to verify project progress, quality and project delays. The AESP technical lead conducted a four day trip to Maimana airport and a one day trip to Faizabad airport. The team was comprised of USAID and MoTCA representatives to verify the construction progress. During the visits, the team made a general review of the progress of the airport and held meetings with local Governors, Contractors and the airport staff. Reports were prepared summarizing the findings of the site visits and the ongoing QA efforts.

Tetra Tech AESP personnel attended thirteen (13) meetings with MoTCA, USAID, FAA and contractor representatives to review airports progress, delays and problems. Summary meeting minutes of each meeting were prepared and submitted to USAID. Tetra Tech AESP reviewed

construction schedules, QC plans, drainage design data and material submittals for compliance with the specifications.

4.1.4.4 WO-LT-0041 MoTCA Capacity Building: Project Administration – Maimana and Faizabad Airports

Tetra Tech AESP has reviewed draft versions of ten monthly progress reports prepared by MoTCA for the two airports. Subsequent to review, Tetra Tech AESP met with MoTCA to review the comments and revised reports to meet the reporting requirements of IL-17. Tetra Tech AESP attended several meetings with MoTCA representatives, both at MoTCA and at the Tetra Tech villa, to facilitate the preparation of progress reports for submission to USAID.

4.1.4.5 WO-LT-0049 Evaluation of MoPW Capacity to Conduct Roadway O&M

On May 1, 2012, Tetra Tech AESP prepared and presented the findings to MoPW Minister H. E. Engineer Najibullah Aoudgan and several other Ministry officials at the Ministry offices. Tetra Tech submitted the final draft evaluation report including a detailed implementation plan to USAID on May 7, 2012.

4.1.5 Technical Support and Services

A summary of work performed during the third quarter by Technical Support and Services sector included claims assistance to USAID/OAA and continuance of the women's internship program.

4.1.5.1 WO-LT-0033 AMD1, AMD 2 and AMD 3 USAID/OAA Claims Assistance

Tetra Tech AESP continued review of claims received by USAID/OAA.

4.1.5.2 WO-LT-0042 Afghan Women Internship Program

Four female Civil Engineering students from Kabul University remained enrolled in the AESP internship program. They have been paired with an engineer and assigned CAD work, as required. Further exposure and instruction in Civil 3D continued. Interns accompanied an expat engineer to three sites; Sardar Girls High School utilities construction site and two road projects in Kabul. The interns received instruction onsite from the expat engineer.

4.2 Progress

Third quarter FY2012 Work Order activity under this Task Order included work on three Administrative Work Orders and 22 Long Term Work Orders for a total of 25 Work Orders. Following is the breakdown of number of Work Orders by sector:

- Energy: 1 Administrative Work Orders, 4 Long Term Work Orders
- Water, Sanitation, and Water Resources: 1 Administrative Work Order,
- Transportation: 6 Long Term Work Orders
- Vertical Structures: 1 Administrative Work Orders, 7 Long Term Work Orders (includes architecture, energy, and water and sanitation support)
- Technical Support Services/Multi-Disciplinary: 5 Long Term Work Orders

The value of Long Term Work Orders initiated in FY2012 Q3 totaled [REDACTED]. A summary of the progress of each Work Order is shown in Table 4.1. A listing of FY2012 Q3 Work Orders can be found on the Work Order Status table included in Appendix A.

Table 4.2 FY 2012 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 Economic Growth and Infrastructure (OEGI) Reporting April 1 Thru June 30, 2012		
Work Order Number	Work Order Title	Summary of Work Completed FY2012 Q3
WO-A: Administrative Work Orders⁽¹⁾		
WO-A-0084	Sardar GHS Fire Door Suppliers and Cost Estimates	This work order was closed during the quarter.
WO-A-0085	GBHS Winter Operations Support	This work order was closed during the quarter.
WO-A-0086	Darunta Dam Field Investigation	This work order was closed during the quarter.
WO-LT: Long Term Work Orders⁽²⁾		
WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	This work order was closed during the quarter.
WO-LT-0006	Sardar Girls High School (SGHS) Utility Construction Documents	Contractor selected. Site construction commenced. Kick-off meeting held June 14, 2012. QA by LN staff has begun.
WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	This work order was closed during the quarter.
WO-LT-0009 AMD 2	Bamyan Dam Sites Pre-Feasibility Study	Awaiting directive from USAID to resume work.
WO-LT-0014	VTC Green Design	This work order was closed during the quarter.
WO-LT-0015	Kabul University Technical Assistance	Provided third party QA for DFAC, Laundry, and Men's Dormitory. Construction Technical support and Field Observation duties ongoing.
WO-LT-0029	Maimana and Faizabad Airport 3 rd Party QA	Meetings with MoTCA were attended. Full time QA continued oversight at both airports. Several senior level staff site visits were completed. Submittal reviews continued.
WO-LT-0033	USAID/OAA Claims Assistance	Tetra Tech AESP continued reviews of Claims received by USAID.
WO-LT-0041	MoTCA – Regional Airport Support	Tetra Tech AESP reviewed ten draft monthly progress reports prepared by MoTCA, provided comments, and coordinated with MoTCA to aid in meeting the reporting requirements of IL-17.
WO-LT-0042	Afghan Women Internship Program	Tetra Tech AESP continued the internship program with four Civil Engineering students from Kabul University.
WO-LT-0048	Engineering Study for 220kV Transmission Line from Dasht-E-Barchi to Kandahar	Final report submitted was submitted June 10, 2012. AMD 2 requested for additional Engineering studies.
WO-LT-0049	Evaluation of MoPW Capacity to Conduct Roadway O&M	Format submitted of Draft evaluation report. Findings presented to MoPW Minister. Prepared implementation approach and submitted final draft of report.
WO-LT-0052	Annual O&M Cost Budgets	Draft O&M cost budgets for twelve Construction of Health and Education Facilities (CHEF) program sites, six Facilities of Higher Education (FoHE), Sardar Girls High School, Ghazi Boys High School and Kabul University were submitted to USAID
WO-LT-0053	NEPS and NEPS-SEPS Connection Assessments	Tetra Tech began work on the final report.
WO-LT-0054	Reactive Power Compensation for PK to Chintala	Work on-going. Tetra Tech is performing a study using PSS/E and creating a partial design package for the Reactive Power



Table 4.2 FY 2012 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 Economic Growth and Infrastructure (OEGI) Reporting April 1 Thru June 30, 2012		
Work Order Number	Work Order Title	Summary of Work Completed FY2012 Q3
		Compensation (RPC) for the NEPS system.
WO-LT-0055	Darunta HPP Assessments	Awaiting directive from USAID to continue. The current scheduled end date for the work is October 31, 2012.
WO-LT-0056	Structural Engineering and Cost Estimating Services for Seismic Retrofit Options	A kick-off meeting with USAID and Reachback was conducted. Draft report completed. Awaiting approval for site visits.
WO-LT-0057	Tarakhil Fire Suppression System Assessment	The final report was submitted on June 26, 2012.

Notes (#):

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

5.0 Pending Work Orders

5.1.1 Energy

5.1.1.1 *WO-LT-0058 NEPS Substation Assessments*

The work order will allow Tetra Tech AESP to assess the condition of the primary substations connected to the NEPS and controlled by the NLCC at Tarakhil. Data collection will include photographs and documents, visual equipment evaluation, protective relay itemization and settings. Existing substation reports, performed under previous work orders, will be expanded so that enough field investigation to perform complete system coordination studies will have been gathered. Circuit breaker operation data will be gathered and analyzed. Power quality data will be gathered and analyzed at a limited number of points in the system. Selected 110kV transmission lines will be visually inspected and a report will be created. Selected MV feeders will be visually inspected and a report will be created.

5.1.1.2 *WO-LT-0059 NEPS System Protective Relay Coordination Studies*

This work order will provide optimized relay settings for all of the primary substation protective relays at substations controlled by the national load control center (NLCC) at Tarakhil thermal power plant (TPP). High voltage system relays will be studied and the relay settings determined by Tetra Tech reach back staff. Medium voltage system relay will be studied and the settings determined by Tetra Tech AESP staff in Kabul.

6.0 Financial

Obligated funding during FY2012 Q3 was unchanged.

6.1 Invoices, Projected Burn Rates, and Reach Back Usage

Table 6-1 AESP Expenditures and Burn Rate		
Cumulative Expenditures through March 31, 2012		
April 2012		
May 2012		
June 2012 (Forecast)		
Total FY2012 Q3 Expenditures		
Cumulative Expenditures through June 30, 2012		
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 October 2012.

Level of Effort Summary: As of June 30, 2012, 7,919 reach back workdays and 38,161 in-country workdays for a total 46,080 workdays were expended.

Appendix A

Work Order Status

FY2012 Q3 WORK ORDER STATUS
 IQC: Task Order 01 - EDH-I-00-08-00027-00
 USAID Technical Office: USAID/Office of Economic Growth and Infrastructure (OEGI)
 Revised June 30, 2012 (Reporting Thru Jul 1, 2012)

WO-A: Administrative Term Work Orders⁽¹⁾							
WO-A-0084	VS	Sardar GHS Fire Door Suppliers and Cost Estimates	Complete	NA	██████	██	██████
WO-A-0085	W/S	GBHS Winter Operations Support	Complete	NA	██████	██	██████
WO-A-0086	E	Darunta Dam Field Investigation	Cancelled	NA	\$0	\$0	\$0
WO-A: Administrative Term Work Orders⁽¹⁾							
WO-LT-0001	VS	Regional and Provincial Training Centers Concept and Final Design	Complete	██████	██████	██████	██████
WO-LT-0006	W/S, E	SGHS Utility Construction Documents	Open	██████	██████	██████	██████
WO-LT-0007	T	QA Oversight SPR - Southern & Eastern Afghanistan	Complete	██████	██████	██████	██████
WO-LT-0009	T	PRT Field Support	Open	██████	██████	██████	██████
WO-LT-0009 AMD 2	T	PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies	Open	██████	██████	██████	██████
WO-LT-0014	VS	VTC Green Design	Complete	██████	██████	██	██████
WO-LT-0015	VS	Kabul University Technical Assistance	Open	██████	██████	██████	██████
WO-LT-0029	T	Maimana and Faizabad Airport 3rd Party QA	Open	██████	██████	██	██████
WO-LT-0033 AMD 1	TS	USAID/OAA Claims Assistance	Complete	██████	██████	██	██████
WO-LT-0033 AMD 2	TS	USAID/OAA Claims Assistance	Open	██████	██████	██	██████
WO-LT-0033 AMD 3	TS	USAID/OAA Claims Assistance	Open	██████	██████	██████	██████
WO-LT-0041	T	MoTCA - Regional Airport Support	Open	██████	██████	██	██████
WO-LT-0042	TS	Afghan Women Internship Program	Open	██████	██████	██	██████
WO-LT-0048	E	Engineering Study for 220kV Transmission Line from Dasht-E-Barchi to Kandahar	Open	██████	██████	██████	██████
WO-LT-0049	T	Evaluation of MoPW Capacity to Conduct Roadway O&M	Complete	██████	██████	██	██████
WO-LT-0052	VS	Annual O&M Cost Budgets	Open	██████	██████	██	██████
WO-LT-0053	E	NEPS and NEPS - SEPS Connection Assessments	Open	██████	██████	██████	██████
WO-LT-0054	E	Reactive Power Compensation for PK to Chintala	Open	██████	██████	██████	██████
WO-LT-0055	E	Darunta HPP Assessments	Open	██████	██	██████	██████
WO-LT-0056	VS	Structural Engineering and Cost Estimating Services for Seismic Retrofit Options	Open	██████	██████	██████	██████
WO-LT-0057	VS	Tarakhil Fire Suppression System Assessment	Complete	██████	██████	██████	██████
WO-LT-0060	VS	Sar-e-Pul Hospital Assessment	Open	██████	\$0	\$0	\$0

Notes (#):

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

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

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 1, 2012 By: [REDACTED]	G	●	Issue is proceeding and is expected to be completed on schedule.	
Issue	Status		Action Required	
Contract Plans				
Annual Work Plan	G	●	Final Y3 work plan submitted 11/3/11. Y4 work plan due 8/2/12. 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 FY2012 Q2 Report submitted 4/18/12. FY2012 Q3 Report due 7/10/12. TT to submit Draft FY2012 Q3 Report on July 10, 2012	
Annual Report for Each FY	G	●	TT submitted final Y2 report on 12/22/11. Y3 report due 11/1/12. No action required.	
Subcontractor and Purchase Limit for Consent				
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	●	Revised alignment submitted 4/26/12. USAID approval received through MOD 16 on 5/30/12. No action required.	
Contract Expenditure Status	G	●	Invoice to be submitted July 2012 TT to provide next monthly billing and burn on 7/19/2012	
Obligated Contract Expenditure	G	●	MOD 14 issued on 12/21/11. Increased obligated funding to [REDACTED]. 75% of obligated funding reached. Letter submitted 4/24/12 (T-0164). No action required.	
Quarterly Accruals	G	●	FY2012 Q4 Accrual letter to be sent. TT to provide accruals letter around September 15, 2012	
1420s & Staffing Approval				
1420 Approvals for Tetra Tech Employees and Sub-Consultants	G	●	T-0171 [REDACTED] - Denied - additional clarification requested T-0172 Fees TT to resubmit T-0171 request; Awaiting approval on T-0172	
Misc Items				
Success Stories (Periodic)	G	●	Communications meeting held at TT as assigned TT to prepare stories as assigned.	

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