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Engineering Quality Assurance and Logistic Support (EQUALS)

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Expanded, sustainable physical infrastructure. (AO 6)



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**INTERNATIONAL RELIEF AND DEVELOPMENT  
Engineering Quality Assurance and Logistical  
Support (EQUALS)**

**Contract Number: 306-C-00-11-00512-00**

**4<sup>th</sup> Quarter Report, October 01 – December 31, 2015**

## Abbreviations and Acronyms

<b>77 CC</b>	77 Construction Company
<b>AGE</b>	Anti-Government Element
<b>APPF</b>	Afghan Public Protection Force
<b>B&amp;V</b>	Black & Veatch
<b>CHEF</b>	Construction of Health and Educational Facilities Program
<b>COR</b>	Contracting Officer's Representative
<b>DABS</b>	Da Afghanistan Breshna Sherkat
<b>DFT</b>	Dry Film Thickness
<b>DJCN</b>	Durai Junction
<b>DPT</b>	Dye Penetration Test
<b>EQUALS</b>	Engineering Quality Assurance and Logistical support
<b>FAT</b>	Factory Acceptance Test
<b>FMCC</b>	Faizi Mansoor Construction Company
<b>FoHE</b>	Faculty of Higher Education
<b>GFA</b>	GFA Consulting (Contractor for Kajaki U2)
<b>GFE</b>	Government Furnished Equipment
<b>GFM</b>	Guard Force Manager
<b>GIS</b>	Geographic Information System
<b>HCN</b>	Host Country National
<b>IFC</b>	Issued for Construction
<b>IOM</b>	International Organization for Migration
<b>IP</b>	Implementing Partner
<b>IPC</b>	Interim Payment Certificates
<b>IRD</b>	International Relief Development
<b>K&amp;R</b>	Kidnap and Ransom
<b>KDBK</b>	Kandahar Breshna Kot Substation
<b>KDEG</b>	Kandahar Breshna Kot Generation
<b>KHPP</b>	Kandahar Helmand Power Project
<b>LN</b>	Local National
<b>LoE</b>	Level of Effort
<b>LSIP</b>	Little Shorandam Industrial Park
<b>MECC</b>	Mashriq Engineering Construction Company
<b>MIV</b>	Main Inlet Valve
<b>MoI</b>	Ministry of Interior
<b>MoPW</b>	Ministry of Public Works
<b>MRA</b>	Mission Risk Assessment
<b>MST</b>	Mobile Security Team
<b>NDT</b>	Non Destructive Testing
<b>NRMC</b>	Nakhil Risk Management Company
<b>O&amp;M</b>	Operations and Maintenance
<b>OHG</b>	Omran Holding Group
<b>OY</b>	Option Year
<b>PIU</b>	Program Implementation Unit
<b>PRV</b>	Pressure Regulator Valve
<b>PSP</b>	Program Security Plan
<b>QA</b>	Quality Assurance
<b>QC</b>	Quality Control
<b>QRF</b>	Quick Reaction Force
<b>RFS</b>	Request for Survey
<b>RFT</b>	Request for Testing

<b>RFWI</b>	Request for Works Inspection
<b>RMC</b>	Risk Management Company
<b>SCI</b>	Substantial Completion Inspection
<b>SIPD</b>	Shorandam Industrial Park Diesel Power Plant
<b>SIR</b>	Serious Incident Report
<b>SKGHS</b>	Sardar Kabuli Girls' High School
<b>SWC</b>	State Women Corp.
<b>USAID</b>	United States Agency for International Development
<b>UT</b>	Ultrasonic Test
<b>VS</b>	Vertical Structures
<b>WCR</b>	Warranty Claim Requests

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## EXECUTIVE SUMMARY

### Management

Revised work plan and budget have been submitted to United States Agency for International Development (USAID) due to further delays in Implementing Partner (IP) works progress under JO-09 Vertical Structure.

The work on the Sardar Kabul Girls' High School to install the fire doors has been further delayed in order to meet the technical compliance requirements. It is now anticipated that the work will be completed on July 7, 2016. All works on the 100-Bed Hospital in Gardez and the 20-Bed Hospital in Khair Kot are anticipated to be completed on March 31, 2016.

EQUALS Kandahar Helmand Power Project (KHPP) Quality Assurance (QA) activities ended in October 2014. The only outstanding warranty issue is with MTU #5, which expires May 2016.

Due to a sudden increase in security threats in the Kajaki area, the Owner's Engineer issued instructions for all non-security related personnel to evacuate the site during September 16 and 17, 2015. A partial remobilization to site was authorized on November 19, 2015, with two national QA engineers returning on November 23, 2015.

Transition of responsibility of Owner's Engineer from GFA Consulting Ltd. to Tetra Tech Inc. commenced in early November with EQUALS providing background technical updates to Tetra Tech on instruction from USAID. The involvement of Tetra Tech at the weekly update briefing meetings on Kajaki Unit 2 progress and technical issues commenced on November 01, 2015.

Work being performed by Mashriq Engineering Construction Company (MECC) on the Gardez-Khost road continues with construction quality issues being raised relating to poured concrete in the bridge piers and deck structures. Close coordination with MECC QA/QC staff on site, as well as with the USAID COR continues to ensure that MECC delivers the structures while meeting the technical specifications of their contract. In addition, QA oversight at the two sites for emergency road repairs has continued during this reporting period. A third site for emergency road repairs is being assessed and awaiting approval by USAID for the contractor to proceed.

The security situation in Kabul during this reporting period has had limited impact on the ability of EQUALS to conduct inspections and site visits. However, the level of insurgent activity in Paktiya and Gardez in the vicinity of Camp Liz has risen to levels above those experienced during the same period of last year. Due to a series of attacks by insurgents on ANSF between Km27 and Km30 initially commencing on June 07, 2015 the contractor (MECC) has undertaken limited work in this section. Although ANSF are the principal targets in these insurgent attacks, the risk of collateral damage remains. In addition to reports of the intent to kidnap foreigners, the threat level and the security posture of EQUALS security in the area has been heightened.

Furthermore, an MECC employee was abducted by insurgents from the construction site area on or about August 23, 2015 and released on or about August 27, 2015. This had a significant impact on the work performance on site, as the majority of the MECC senior management personnel were engaged in the response to and resolution of this incident.

EQUALS approved staffing on December 31, 2015 was 14 internationals and 84 national staff, with no international posts and 3 national posts vacant.

## **Vertical Structures**

Under the Construction of Health and Education Facilities (CHEF) program, work is in progress at the 20 Bed and 100 Bed hospitals in Paktika and Paktiya provinces. The substantial completion inspection of these projects was conducted on December 20, 2015 and December 27, 2015 respectively. These projects were accepted with punch list items. EQUALS anticipates rectification of punch list items by March 2016 and reports were submitted to USAID on December 24, 2015 and December 30, 2015, relating to respective projects.

The Second Phase work (i.e. Construction of transformer room and its connection to city grid) for all three Faculty of Higher Education (FoHE) projects at Balkh, Jawzjan and Faryab provinces started on October 15, 2014 and were completed on December 14, 2014. The Substantial Completion Inspection (SCI) for the Phase-Two works at the three FoHE projects were conducted on December 15-18, 2014 and a report was submitted to USAID on December 24, 2014.

The final punch list item (painting of the transformer room) for all three projects at Balkh, Jawzjan and Faryab provinces was completed in early 2015. EQUALS submitted a final inspection report to USAID on May 18, 2015.

Warranty inspection for the Phase-I and II works at the three FoHE projects were conducted on December 20-22, 2015 and a report was submitted to USAID on December 28, 2015.

Installation of fire-rated doors at Sardar Kabuli Girls' High School (SKGHS) was stopped on March 31, 2014. USAID instructed Perez (Implementing Partner) to submit a proposal for the supply and installation of fire-rated doors as per NFPA80 requirements. On November 26, 2014 IRD EQUALS and Perez representatives jointly inspected the installed fire-rated doors at SKGHS. Based on IRD QA observations, USAID decided to replace the installed fire doors with new ones to fulfill the code requirements. On March 02, 2015 USAID awarded the contract for reinstallation of fire-rated doors to Perez/Technologists Inc. On March 12, 2015, the contractor started mobilization at the project site. Physical work was expected to start in early April 2015 but due to the pending fire-rated door submittal review and USAID approval, installation work is yet to start. On December 22, 2015 IRD EQUALS had a meeting with Perez local staff in the USAID office, where the review comments were discussed in detail and approved by USAID. Based on the Perez submitted revised construction schedule, the fabrication and procurement of fire rated doors will start on January 12, 2016, for completion on July 7, 2016.

## **Roads Quality Assurance and Camp Liz O&M**

During the 4<sup>th</sup> quarter of 2015, QA engineers conducted 79 site monitoring inspections in addition to preparing and submitting 87 daily reports to USAID for Section 2 of the remaining 25 km of the Gardez-Khost Road, implemented by the USAID Implementing Partner (IP) contractor, MECC.

EQUALS engineering staff attended 10 scheduled biweekly progress coordination meetings at USAID with Tetra Tech and MECC during this quarter. EQUALS field staff held six biweekly coordination meetings on-site with MECC field staff. EQUALS reviewed and verified work quantities completed by the contractor and provided recommendations regarding the approval of MECC Interim Payment Certificates (IPC's) #14, #15, and #16 submitted to USAID. EQUALS personnel interacted with MECC field staff on a daily basis to address issues related to the work quality, emergency road operations, maintenance of work sites, verification of the crushed aggregate production rates and quantities.

Under Job Order 10, EQUALS is required to conduct QA monitoring of the USAID IP contractor, MECC on the construction of Gardez - Khost Road, as well as to manage the Operations & Maintenance of Camp Liz including the provision of security services for the Camp and mobile

inspection teams. All the activities continued throughout the quarter with no major issues. Through submissions of daily, monthly and ad-hoc reports as well as the meetings with USAID, EQUALS continued to provide the client with regular updates on the quality and progress of the road construction works performed by MECC. EQUALS Roads Team operates within the revised LoE, based on the budget of Job Order 10 Modification 2, for the improved Camp Liz O&M and the security services for the QA oversight. EQUALS personnel implement O&M for the updated Health and Safety Plan for Camp Liz. Operation of the Materials Testing Laboratory in support of the Phase IV construction continued with 431 tests conducted during the reporting period having a pass rate of 99.00%. During December, EQUALS commenced staff retrenchment and worked with USAID on the disposition of materials and equipment. The laboratory equipment allocated to Kabul Polytechnic, as per the approved disposition instruction, was delayed at Paktia University under the instructions of the Provincial Governor, Paktia. The Deputy Minister for Higher Education is working with the deputy Governor of Paktia to resolve the situation, with assistance from USAID COR for G-K Road.

### **Salang Corridor Repair and Maintenance**

Roads QA engineers conducted 79 site inspections throughout this quarter, and prepared and submitted 92 daily reports to USAID. In addition, the QA engineers performed field verification of work quantities claimed by the Omran Holding Group (OHG), contractor under submitted IPC #13, #14 & # 15.

During this quarter, Roads QA engineers attended 4 scheduled meetings with USAID, Ministry of Public Works (MoPW) and the IP contractor, OHG.

### **Emergency Roads Operation and Maintenance (O&M)**

*Kabul-Kandahar Road Emergency O&M project:*

The project start date was 8 October 2015 as per the contract signed between USAID and the IP, Faizi Masroor Construction Company (FMCC). However, due to the volatile security situation in the project area the works on the project commenced on 28 October 2015. The EQUALS QA Engineer conducted 4 daily site inspections in October 2015, 27 daily inspections in November 2015 and 28 daily site inspections in December 2015. A total of 59 daily reports describing the project activities, QA and security related issues were prepared and submitted to USAID. During the reporting period, the EQUALS QA Engineer held weekly coordination meetings with the contractor to address the work progress, quality and security related issues. The involvement of representatives of Ministry of Public Works (MoPW) to facilitate the project activities was very helpful. On December 31, 2015 the EQUALS QA Engineer, representatives of MoPW and the IP, Faizi Masroor Construction Company (FMCC) conducted the final inspection of the project works.

*Kabul-Ghazni Road Emergency O&M project:*

On 24 November 2015, the assigned EQUALS QA Engineer conducted a joint site assessment of the proposed emergency repair works with BCURA Construction Company, on instruction from USAID. The assessment report was prepared and submitted to USAID during the second week of December 2015. The Work Order was not issued to the contractor since USAID is awaiting vetting approval.

## **Power Quality Assurance**

### *Kandahar Helmand Power Project*

There had been no site activities at Kajaki since the Kajaki evacuation on September 15, 2015, by GFA security. On November 23, 2015, work on the Kajaki Site resumed after approval by USAID for 77 CC to remobilize under “Option #3 Slow Phased Return”, to utilize a minimum number of personnel on site with only one shift.

Two EQUALS QA Engineers were remobilized to Kajaki Site on November 23, 2015, and resumed monitoring of 77 CC activities and reporting to USAID. EQUALS remains ready to remobilize additional QA staff if instructed by USAID.

The major accomplishments for the Power team during the quarter were as follows:

- EQUALS Expat Power Engineer visited the Kajaki Man Camp and project site on December 06-07, 2015, to monitor the inspection activities of the EQUALS LN engineers and assess work progress and carry out QA oversight.
- EQUALS continued to mobilize DABS for the mapping of the Kabul distribution network which started in February 2015 and was officially closed in December 2015.
- EQUALS engaged in monitoring of construction progress for Kajaki Unit #2 hydropower plant and submitting reports to USAID.
- EQUALS continued reviewing and responding to submittals issued by 77 CC and GFA via USAID.

The Power Quality Assurance Team continued to monitor developments on the Kandahar Helmand Power Project (KHPP) project components by supporting Da Afghanistan Breshna Sherkat (DABS) in the operation of the Breshna Kot and Durai Junction (DJCN) substations, SIPD, and KDEG diesel power plants.

EQUALS continued to observe the delivery of power generated by the Kajaki Hydro Plant through the DJCN substation and 110kV transmission lines to the Breshna Kot Substation (KDBK), Kandahar. EQUALS also continued to monitor DABS operations at the DJCN substation remotely from the BK Substation.

EQUALS continued to take part in weekly coordination meetings in Kabul for the Kajaki U2 project with DABS PIU, USAID, GFA and 77 CC.

The GIS project was officially closed in December 2015 and the DABS GIS Capacity Close-out report was finalized and submitted to USAID separately. A final presentation to DABS senior management and USAID representatives was held on December 17, 2015. The presentation explained the outcomes of the project, as well as the current capabilities of the DABS staff to collect field data and then create digital maps of all assets of the medium voltage network in a specific area of Kabul city.

# 1 PROGRAM UPDATE – TECHNICAL SERVICES

## 1.1 Vertical Structures

### 1.1.1 Construction of Health and Education Facilities Program (CHEF)

#### 1.1.1 A. CHEF Program Accomplishments and Status Report

The substantial completion inspections for the two ongoing CHEF projects were conducted on December 20, 2015 and December 27, 2015 respectively. A detail of the ongoing activities during the quarter at the two project sites of the CHEF program reported against each project is provided below:

**100 Bed Hospital Gardez, Paktiya:** The following construction activities were ongoing during this quarter:

- Installation of black steel pipes for steam system; chimney for steam boilers; automatic fuel filtration system; curtain rods for hospital partitions; PVC window frames and panels; floor drain; ceramic tiles; pipe heating cable for water tank inlet and outlet pipes; Acoustical Ceiling Tiles (ACT); sinks accessories; safety valve for domestic water heater boilers; pressure reducer valve for steam system; Air Conditioning (AC) accessories; supports for crooked/loose frames for toilet and bathroom aluminum partition walls; wooden construction joint covers; marble on the top of low walls (seating chairs); marble skirting around the nurse station table; granite on the top of counter tops; hardware (panic bars) for main corridor and emergency entrance aluminum doors; electrical panel board for water chlorination pump; parking area sign boards; motorized damper; and exhaust fan for the fuel tank area.
- Rectification works included cracked sidewalk; roadway and parking areas concrete and filling with Sika grout; broken water closet (WC); bathroom and toilet cracked and broken ceramic tiles; iron sheet leakage for the roof of the main corridor; electrical wires to meet color codes; electrical wires for the fan coil unit; filling of gaps/openings between the exterior cement ceiling boards and walls; repairing and adjusting hardware for hollow metal doors; PVC window frames and panels; flexible conduits for wiring the smoke detectors; fire alarm and nurse call systems; and electrical wires for the light fixtures.
- Painting works included internal and external walls and ceilings; metal doors; guardrails and handrails; road and parking area curbstones; water tower columns, beams and stairs.
- Electrical works included connection of automatic fuel filtration system; connection of sink accessories, domestic water heater boilers to electrical system; and connection of the condenser pump for the steam boilers; installation of wiring for water pumps; and labeling of electrical system devices.
- Application of the top coat for the floor terrazzo chip surface.
- Insulation of domestic, steam and heating systems pipes.

Substantial completion inspection for this project was conducted on December 27-28, 2015. Currently rectification of punch list item is in progress and is expected to be completed by the end of March 2016.

**20 Bed Hospital Khair Kot, Paktika:** The following construction activities were in progress during this quarter:

- Repair and connection of the lights in operation theaters,
- Cleaning the wood doors and frames for painting.
- Starting the repainting of wood doors.
- Repair and installation of the cabinet doors in kitchen room.
- Construction of concrete pads for installed metal posts in front of the LPG tank.
- Exterior painting of the underground fuel tank.
- Repair and installation of heating system parts in the boiler room.
- Repair and installation of the clinical sink in room # 127 of the main building.
- Rectification of the leakage of RCC joint for the under ground room of fuel tank.
- Repair and connection of the gas pipe to the stove and heater in kitchen room # 186 of the male ward building.
- Repairing the ceramic tiles in the kitchen.
- Repair and installation of the clinical sink in room #108 of the outpatient building.
- Supply of the black pipe for the radiator system to project site.
- Installation of additional radiators in the male ward building.
- Visit by the Governor of Paktika Province.
- Cleaning of the toilets floor in the male ward building.

The Substantial Completion Inspection for this project was conducted on December 20, 2015. Rectification of identified punch list items is expected to be completed by the end of March 2016.

**Table 1:** Key Performance Indicators for CHEF Program:

Key Performance Indicators for 4 <sup>th</sup> Quarter 2015	Task Owner	Quarterly Required Deliverables	Quarterly Actual Deliverables	JO-09 Required Deliverables	JO-09 Completed Deliverables
Number of reviewed reports on architectural and engineering drawings and specs	USAID	02	02	09	06 <sup>1</sup>
Number of site inspections (monitoring, substantial completion, punch list verification, final, warranty etc.) and reports completed by EQUALS Vertical Structures (VS) engineers	USAID	159	179 <sup>2</sup>	270	838 <sup>3</sup>

### 1.1.1 B. CHEF Program Salient Issues and Concerns

None

<sup>1</sup> The number of JO-09 Completed Deliverables is less than the JO-09 Required Deliverables Quarterly due to delays in submission by IOM, of the As-built drawings and O&M manual for 20 bed and 100 bed hospital.

<sup>2</sup> The number of Quarterly Actual Deliverables is more than the Quarterly Required Deliverables due to working on Fridays during the month of December 2015, to support additional inspections in preparation for SCI.

<sup>3</sup> The number of JO-09 Completed Deliverables is higher than required due to delays in construction activities at CHEF-021 Khair Kot 20 Bed Hospital, and CHEF02 Gardez 100 Bed Hospital, which affected the anticipated completion date of October 2014.

### 1.1.1 C. CHEF Program Future Activities

EQUALS engineering team will continue to perform QA services on these projects until rectification of identified punch list items.

### 1.1.2 Faculties of Higher Education (FoHE) Program

#### 1.1.2 A. FOHE Program Accomplishments and Status Report

On September 24, 2014 USAID awarded modification (#2) for the contract to Perez/Technologists Inc., which included completion of Phase-2 work for all three FoHE projects at Balkh, Jawzjan and Faryab provinces. The contract commenced on October 15, 2014 and was completed on December 14, 2014. The SCI conducted for Phase 2 works of the FoHE projects at respective provinces are elaborated below:

The Phase-2 construction activities (i.e. construction of transformer room and its connection to the city grid) for all three FoHE's i.e. Balkh, Jawzjan and Faryab started on October 15, 2014 and were completed on December 14, 2014. The Substantial Completion Inspection (SCI) for FoHE Balkh was conducted on December 16, 2014 and for Jawzjan and Faryab on December 17, 2015. The project was accepted subject to the rectification of punch list items. The punch list was completed in early May 2015, with EQUALS submitting the Final Inspection Report for all three FoHE's to USAID on May 18, 2015. Per USAID instruction dated September 16, 2015, the warranty inspection for Phase-1 and 2 works for all three FoHE projects at Balkh, Jawzjan and Faryab provinces was conducted on December 20-22, 2015 and a report was submitted to USAID on December 28, 2015.

**Table 2:** Key Performance Indicators for the FoHE Program:

Key Performance Indicators for 4 <sup>th</sup> Quarter 2015	Task Owner	Quarterly Required Deliverables	Quarterly Actual Deliverables	JO-09 Required Deliverables	JO-09 Completed Deliverables
Number of architectural and engineering drawings review reports	USAID	0	0	0	0
Number of site inspections (monitoring, substantial completion, punch list verification, final, warranty etc.) and reports completed by EQUALS VS engineers	USAID	3	3	390	387 <sup>4</sup>

#### 1.1.2 B. FoHE Program Issues and Concerns

None

#### 1.1.2 C. FoHE Program Future Activities

None

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<sup>4</sup>Completed Deliverables are lower than the Required Deliverables due to early completion of Phase-2 work.

### 1.1.3 Kabul Schools Program: Sardar Kabuli Girls' High School (SKGHS)

#### 1.1.3 A. SKGHS Program Accomplishments and Status

Installation of fire-rated doors at SKGHS was stopped by USAID on March 31, 2014. Subsequently, USAID instructed IP, Perez, to submit a proposal for the supply and installation of fire-rated doors as per NFPA80 requirements. On November 26, 2014 IRD EQUALS and Perez representatives jointly inspected the installed fire-rated doors at SKGHS. Based on IRD QA observations, USAID decided that replacement of the newly installed doors was required to fulfill the code requirements. On March 02, 2015 USAID awarded the contract of reinstallation of fire-rated doors to Perez/Technologists Inc. and on March 12, 2015, the contractor started mobilization to the project site.

Physical work was expected to commence early April 2015, but was not started due to ongoing submittal review and USAID approval. Based on the review comments submitted by IRD EQUALS on May 24 and 30, 2015, USAID on July 05, 2015, directed Perez to resubmit the submittals. Perez revised the design drawing for the fire-rated doors and re-submitted to USAID for approval on September 17, 2015. Per USAID instruction, IRD EQUALS reviewed the revised design drawings and submitted comments to USAID on September 18, 2015. Per USAID instruction, IRD EQUALS reviewed the Perez final re-submittal with required documents and submitted comments to USAID on December 16, 2015. On December 22, 2015 IRD EQUALS had a meeting with Perez local staff in the USAID office, where the noted review comments were discussed in detail and approved by USAID. Based on the Perez submitted revised construction schedule the fabrication and procurement of fire rated doors is due to start on January 12, 2016, with installation due to complete on July 7, 2016.

**Table 3:** Key Performance Indicators for External Utilities of SKGHS Project:

Table 3: Key Performance Indicators for 4 <sup>th</sup> Quarter 2015	Task Owner	Quarterly Required Deliverables	Quarterly Actual Deliverables	JO-09 Required Deliverables	JO-09 Completed Deliverables
Number of architectural and engineering drawings reviewed reports.	USAID	4	4	12	12
Number of site inspections and reports completed by EQUALS VS engineers	USAID	24	0 <sup>5</sup>	24	2 <sup>6</sup>

#### 1.1.3 B. SKGHS Project Salient Issues and Concerns

None

#### 1.1.3 C. Future Activities

EQUALS' engineering team will continue to provide QA services for this project until the completion of the EQUALS contract.

<sup>5</sup> The number of Actual Deliverables was zero due to work stoppage and revision of design drawings for fire-rated doors.

<sup>6</sup> The number of JO-09 Completed Deliverables was less due to work stoppage and revision of design drawings for fire-rated doors

**Vertical Structures - Photos:**



**Image 01:** CHEF-002, Gardez 100 Bed Hospital: Painting of road and parking area curbstones.  
N: 33.630878 E: 69.232596, 15Oct2015



**Image 02:** CHEF-002, Gardez 100 Bed Hospital: Rectification of electrical wire color codes in the male block # 1.  
N: 33.630878 E: 69.232596, 29Nov2015



**Image 03:** CHEF-002, Gardez 100 Bed Hospital: Rectification of the female block # 2, corridor hollow metal doors painting.  
N: 33.630878 E: 69.232596, 15Dec2015



**Image 04:** CHEF-021, Khair Kot 20 Bed Hospital: Repair and connection of the operation lights in operation theaters 1 & 2.  
N: 32.848486 E: 68.456050, 05Oct2015.



**Image 05:** CHEF-021, Khair Kot 20 Bed Hospital: Repair and installation of heating system parts in boiler room.  
N: 32.848486 E: 68.456050, 02Nov2015.



**Image 06:** CHEF-021, Khair Kot 20 Bed Hospital: Repairing the ceramic tiles in kitchen.  
N: 32.848486 E: 68.456050, 13Nov2015.

## 1.2 Roads Quality Assurance - New Construction

### 1.2.1 Quality Assurance

During this quarter, QA engineers conducted 79 site inspections. A total of eight-seven (87) daily reports and three monthly reports were submitted to USAID regarding Section 2 of the remaining 25Km of Gardez - Khost Road Phase IV (Job Order 10). EQUALS staff attended ten coordination meetings with USAID, Tetra Tech, and MECC during the reporting period, as well as nine coordination meetings on-site with MECC field staff. EQUALS reviewed work completed for each month and verified the work quantities claimed by MECC in Interim Payment Certificates (IPC's) #14, 15 and 16, submitted during the reporting period. EQUALS staff directly communicated with the MECC field management staff on a daily basis regarding the quality of works under the G-K Road construction, Phase IV.

During this quarter, IRD EQUALS received 1,788 RFWIs, 1,088 RFTs, 182 RFSs from the contractor and 19 requests (MECC's RFAs, RFIs and other requests for checking and verification) from USAID. IRD EQUALS staff reviewed all the requests, and appropriate responses were provided to MECC and USAID as per established procedures.

IRD EQUALS maintained the project document database (Submittals) keeping track of all the above-mentioned submissions by MECC and forwarded to USAID in soft and hard copies. The assigned EQUALS engineer visited MECC's laboratory on a daily basis to witness all the tests conducted by their laboratory staff and recorded all the test results data.

All activities related to the rectification of observed deficiencies are recorded in the "Deficiencies Tracker Sheet", monitored on a daily basis and discussed with MECC during the biweekly coordination meetings at site. Details were provided to USAID through daily reports as well as upon request.

#### IRD EQUALS-Material Testing Laboratory at Camp Liz

Total number of samples received during this quarter:	122
Total number of tests performed on these samples during this quarter:	431
Total number of tests failed during this quarter:	5
Percentage of failure during this quarter:	1%

#### 1.2.1 A. Accomplishments and Status

**Gardez - Khost Road Section 2:** The following activities continued: Operations and Maintenance (O&M) and Security of Camp Liz; QA monitoring of the USAID IP contractor MECC implementing the Gardez - Khost road construction; and the provision of security services for EQUALS QA team involved in the QA monitoring of road construction works.

On 14 December 2015 IRD-EQUALS QA Engineers, MECC and MoPW representatives conducted a joint Substantial Completion Inspection of the road and bridge works completed under the Gardez - Khost Road, Section 2, Phase IV contract. As a result of the inspection a punch list in excess of 500 items was generated. As of the end of reporting quarter, MECC is still working on the rectification of punch list items and completion of the scour mattress construction for bridge #9. It is anticipated that the Final Inspection and Acceptance of the remaining 25 km of G-K road by the MoPW will be conducted on or around 15 January 2016.

## **Quality and Technical Compliance Issues Reported to USAID Roads COR:**

### **Contractor's non-compliance with specification requirement regarding paving of asphalt wearing course:**

During the 4<sup>th</sup> quarter, EQUALS QA engineers observed and reported that the gradient of the asphalt wearing course pavement was not in accordance with approved drawings at various locations between Km 27+000 to 30+000 and Km 41+000 to 50+000. This is a non-conformance to the specification and approved typical roadway cross-section requirements.

**Accountability and awareness raising:** In order to meet the specification requirement, IRD EQUALS QA advised MECC to check their paving machinery routinely and, if possible, to use an automatic/sensor operated paver as well as to improve their workmanship to maintain smoothness, required gradient and thickness of the asphalt binder course.

**Contractor's Non-compliance with Design Requirement:** All instances of non-compliance with approved designs have been reported to USAID and followed up with MECC for corrective actions, through discussions with MECC's site management at the on-site coordination meetings.

**Remedial Action:** MECC and IRD EQUALS engineers coordinated their activities on a daily basis in order to take necessary remedial actions to fix identified deficiencies.

### **Emergency Roads Operation and Maintenance (O&M)**

*Kabul – Kandahar Road Emergency O&M Project*

During the reporting quarter, the assigned EQUALS QA Engineer conducted 59 site-monitoring inspections and prepared 59 daily reports that were reviewed by EQUALS Reports Department and submitted to USAID.

The project is located in an extremely insecure area, resulting in numerous security incidents impacting the progress of project works being reported throughout the period. Due to security issues the project was completed with a significant delay on 31 December 2015, i.e. three weeks late.

**Roads - Photos:**



**Image 07:** Gardez - Khost Road Section 2:  
The grade of the compacted asphalt wearing course from Km 41+970 to 42+000 C/L was 20mm lower than the surrounding Grade.  
N-33°22'26.71", E-69°23'44.38" 08Oct2015



**Image 08:** Gardez - Khost Road Section 2:  
The grade of the compacted asphalt wearing course from Km 42+520 to 42+540 C/L was 20mm lower than the surrounding Grade.  
N-33°22'15.13", E-69°23'57.42" 10Oct2015



**Image 09:** G - Khost Road Section 2:  
The grade of compacted asphalt wearing course from Km 45+400 to 45+440 C/L was 30mm lower than the surrounding Grade.  
N-33°24'23.20", E-69°22'39.23" 14Nov2015



**Image 10:** Gardez - Khost Road Section 2:  
The grade of compacted asphalt wearing course from Km 48+940 to 48+990 C/L was 30mm lower than the surrounding grade.  
N-33°23'55.83", E-69°23'11.84" 28Nov2015



**Image 11:** Gardez - Khost Road Section 2:  
The grade of compacted asphalt wearing course from Km 43+080 to 43+180 C/L was 30mm lower than the surrounding Grade.  
N-33°22'17.76", E-69°24'26.66" 1Dec2015



**Image 12:** Gardez - Khost Road Section 2:  
The grade of compacted asphalt wearing course from Km 43+200 to 43+260 C/L was 30mm lower than the surrounding Grade.  
N-33°22'20.14", E-69°24'20.35" 1Dec2015



**Image 13:** Gardez - Khost Road Section 2:  
The grade of compacted asphalt wearing Course from Km 43+350 to 43+420 C/L was 20mm lower than the surrounding Grade.  
N-33°22'15.53", E-69°24'40.03" 01Dec2015



**Image 14:** Gardez - Khost Road Section 2:  
The grade of compacted asphalt wearing Course from Km 43+500 to 43+550 C/L was 20mm lower than the surrounding Grade.  
N-33°22'22.58", E-69°24'32.76" 01Dec2015



**Image 15:** Gardez – Khost Road Section 2  
The grade of compacted Asphalt wearing Course from Km 37+670 to 37+751 C/L lower by 20mm than the surrounding grade.  
N-33°24'14.04", E-69°23'3.55" 02Dec2015



**Image 16:** Gardez – Khost Road Section 2:  
Cracks and settlement observed on the last panel of Causeway #3 at Km 37+914 R/S  
N-33°24'8.20", E-69°23'6.85" 02Dec2015



**Image 17:** Gardez – Khost Road Section 2:  
The grade of compacted Asphalt Wearing Course is higher by 15 mm than the grade of transverse joint of RCC slab of Causeway#3 at Km 37+914 R/S  
N-33°24'8.27", E-69°23'7.33" 02Dec2015



**Image 18:** Gardez – Khost Road Section 2:  
The grade of compacted Asphalt Wearing Course at Km 40+730 joint was lower by 20mm than the surrounding Grade.  
N-33°22'51.22", E-69°23'11.56" 03 Dec2015



**Image 19:** Gardez – Khost Road Section 2: The grade of compacted Asphalt wearing course from Km 40+900 to 40+970 C/L was lower by 20mm than the surrounding Grade. N-33°22'46.64", E-69°23'12.34" 03Dec2015



**Image 20:** Gardez – Khost Road Section 2: Cracks and settlement observed on the surface of Asphalt wearing course from Km 27+960 to 27+970 L/S N-33°28'39.86", E-69°23'22.73" 06Dec2015



**Image 21:** Gardez – Khost Road Section 2: The prime coat applied on surface of CAB was damaged by rain and traffic from Km 51+810 to 51+960 L/S N-33°22'5.00", E-69°28'28.72" 10Dec2015



**Image 22:** Gardez – Khost Road Section 2: MECC applied kerosene in lieu of prime coat for shoulder from Km 49+860 to 50+013 B/Sand Km 50+060 to 50+240 B/SN-33°22'57.65", E-9°27'49.05" 27Dec2015



**Image 23:** Kabul—Kandahar road, Km Ghazni 40+780 to 40+987 R/S: Asphalt and road embankment in Moshaki. N: 33°15' 22.78" E: 68° 13' 13.47" 31Dec2015



**Image 24:** Kabul—Kandahar road, Km Ghazni 40+780 to 40+987 R/S: Gabion and backfilling in Moshaki. N: 33°15' 22.90" E: 68° 13' 13.36" 31Dec2015



**Image 25:** Kabul—Kandahar road, Km Ghazni 40+780 to 40+987 R/S: Asphalt and all layer of road repaired.  
N: 33°15' 22.76" E: 68° 13' 13.45" 15Dec2015



**Image 26:** Kabul - Kandahar road, Km Ghazni 39+833 to 39+ 950 R/S: Gabion wall in Baran Qala.  
N-33° 15' 47.81", E-68° 13' 38.68" 31Dec2015



**Image 27:** Kabul—Kandahar road, Km Ghazni 16+270 to 16+370L/R/S: Gabion wall, embankment filling & stone pitching in Nanai.  
N-33° 25' 17.27", E-68° 21' 31.09" 29Dec2015



**Image 28:** Kabul—Kandahar road, Km Ghazni 32+111 to 32+510 L&R/S: Asphalt in Mula Nohbaba area.  
N-33° 18' 54.85", E-68° 16' 18.89" 31Dec2015



**Image 29:** Kabul—Kandahar road, Km Ghazni 32+111 to 32+510 L&R/S: Gabion wall, embankment filling and stone pitching in Mula Nohbaba area.  
N-33° 18' 54.81", E-68° 16' 18.09" 15Dec2015



**Image 30:** Kabul—Kandahar road, Km Ghazni 15+425 to 15+745 L/S: Gabion wall near to Nanai area.  
N-33o 25' 33.90", E-68o 21' 41.69" 15Dec2015

**TABLE 4:** Summary of Construction Inspected and Monitored during 4<sup>th</sup> Quarter of 2015

ROAD TYPE	TYPE OF WORK	ROAD NAME	LENGTH	STATUS	PROVINCE
<b>Gardez - Khost Road Rehabilitation, Section 2</b>					
National Highway	Rehabilitation	Gardez-Khost Road, Section 2, Phase IV Sections 2C, 2D, 2E, Bridge #9 and Bridge #10	25 Km	Rectification of Punch List items and completion of a few remaining activities at the bridge 9	Paktiya -Khost
<b>Salang Corridor Repair and Maintenance Road</b>					
National Highway	Repair and Maintenance	Salang Corridor	83 Km	Ongoing	Parwan - Baghlan
<b>Emergency Roads Operation and Maintenance (O&amp;M)</b>					
National Highway	Operation and Maintenance	Kishm Faiz Abbad Road	102 Km	Completed	Badakhshan
National Highway	Operation and Maintenance	Baghlan – Kunduz Road	0.57 Km	Completed	Baghlan - Kunduz
National Highway	Operation and Maintenance	Kabul – Kandahar Road	1.1KM	Completed	Ghazni
National Highway	Operation and Maintenance	Kabul – Ghazni Road	116 m	Waiting for USAID Approval	Wardak

**Table 5:** National Highways Construction Status December 2015

ROAD NAME	IP WORK COMPLETED	WORK MONITORED BY EQUALS	LENGTH	STATUS	PROVINCE	
<b>National Highways Construction</b>						
Gardez to Khost Road, Sections 2A and 2B, Phase III	100%	100%	13km	Completed	Paktiya	
Gardez to Khost Road, Phase IV						
Section 2C	Km 27 to Km 30	100%	100%	3km	Completed	Paktiya
Section 2D	Km 36 to Km 50	100%	100%	14km	Completed	Paktiya
Bridge #9	Km 50+013.80 to Km 50+064.20	99.24%	99.24%	50.4m	Ongoing	Paktiya

ROAD NAME		IP WORK COMPLETED	WORK MONITORED BY EQUALS	LENGT H	STATUS	PROVINCE
Bridge #10	Km 51+963.2 to Km 51+996.8	100%	100%	33.6m	Completed	Paktiya
Section 2E	Km 57 to Km 65	100%	100%	8km	Completed	Paktiya
<b>Salang Corridor R&amp;M</b>						
Salang Corridor R&M Project		100% (Phase-1)	100% (Phase 1)	83km	Completed	Parwan – Baghlan
Salang Corridor R&M Project		96% (Phase-2)	96% (Phase 2)	83km	Ongoing	Parwan – Baghlan
<b>Emergency Roads Operation and Maintenance (O&amp;M)</b>						
Kishm Faiz Abbad Road O&M Project		100%	100%	102km	Completed	Kishm – Faiz Abbad
Baghlan-Kunduz Road O&M Project		100%	100%	0.57km	Completed	Baghlan – Kunduz
Kabul-Kandahar Road O&M Project		100%	100%	1.1km	Completed	Ghazni
Kabul-Ghazni Road O&M Project		0%	0%	116m	Waiting for USAID Approval	Wardak

**TABLE 6:—ROADS SECTOR PROGRAM STATUS**

Project Title	Progress Achieved	Completion Date and Comments	Contractor and Comments	Progress Updates	Next Steps, Salient Issues and Concerns
<b>Gardez-Khost Road, Section 2, Phase IV</b>					
Phase IV	100%	January 15, 2015 – anticipated date of Final Inspection and Acceptance of the GK Road, Section 2, Phase IV	<p><b>MECC</b> The MECC Phase IV construction contract was signed on June 26, 2014 with Notice to Proceed issued on July 10, 2014.</p>	<ul style="list-style-type: none"> <li>• MECC continues to provide EQUALS with Requests for Work Inspection (RFTI) in Section 2 for the remaining activities under the Gardez Khost Road, Section 2, Phase IV.</li> <li>• EQUALS QA engineers review/take actions on the MECC’s submitted RFTI’s, Request for Testing (RFT) and Request for Survey (RFS) and report the finding to MECC on a routine basis.</li> <li>• USAID continues to provide EQUALS with MECC submitted Requests for Approval and Requests for Information (RFA’s and RFI’s) for review, verification, comments and recommendations.</li> <li>• EQUALS QA staff review the RFA’s and RFI’s and respond to USAID through memos addressed to USAID COR on a routine basis as requested. During this quarter EQUALS QA staff reviewed and verified MECC IPC’s #14, #15 and #16.</li> <li>• Recommendations re the IPCs approval were submitted to USAID through a Memo.</li> <li>• EQUALS QA staff routinely update the QA/QC tracker and send to USAID COR</li> </ul>	<p><b>Next Steps</b></p> <ul style="list-style-type: none"> <li>• Following the completion of rectification of Punch List items attend Final Inspection of the GK Road, Section 2, Phase IV jointly with MECC and MoPW representatives</li> <li>• Prepare and submit to USAID the JO-10 Close out Report</li> </ul>

Project Title	Progress Achieved	Completion Date and Comments	Contractor and Comments	Progress Updates	Next Steps, Salient Issues and Concerns
				<p>on a routine basis as requested. EQUALS QA staff routinely update the USAID and EQUALS RFAs, RFIs, etc. Tracker Sheet and send to USAID COR on a routine basis as requested.</p> <ul style="list-style-type: none"> <li>• EQUALS QA staff routinely send uncompressed daily project photos through email and monthly photos placed on DVD and send to USAID COR on a routine basis as requested.</li> <li>• EQUALS QA staff routinely transmit and deliver all original signed Memo of RFA's, RFI's, Cross Section etc. to USAID COR.</li> <li>• EQUALS QA staff routinely/daily submit daily reports to USAID COR.</li> </ul>	<p><b>Salient Issues and Concerns</b></p> <ul style="list-style-type: none"> <li>• NTR</li> </ul>
Camp Liz Operation and Maintenance				<ul style="list-style-type: none"> <li>• Transfer of project assets to USAID and Afghan Government in accordance with USAID instructions as part of the project close out process commenced in December 2015 and is expected to be completed before the end of January 2016</li> </ul>	<p><b>Next Steps,</b></p> <ul style="list-style-type: none"> <li>• Complete transfer of project assets to USAID and Afghan Government in accordance with USAID instructions as part of the project close out process</li> <li>• Hand over the Camp Liz facilities to the Paktia Provincial Government authorities in accordance with USAID instructions</li> </ul>

Project Title	Progress Achieved	Completion Date and Comments	Contractor and Comments	Progress Updates	Next Steps, Salient Issues and Concerns
					<b>Salient Issues and Concerns</b> <ul style="list-style-type: none"> <li>Engagement of APPF HQ relating to return of weapons and de-mobilization administration of APPF gurads.</li> </ul>
<b>Salang Corridor</b>					
Salang Corridor Repair and Maintenance Phase II	96%	March 31, 2016	OHG	<ul style="list-style-type: none"> <li>Reviewed OHG invoice #13, #14 and 15 for Phase II and recommended approval to USAID.</li> </ul>	<b>Next Steps</b> <ul style="list-style-type: none"> <li>Continue to perform the oversight, inspection and monitoring of the Salang Corridor repair and maintenance activities inside the Salang Tunnel.</li> </ul>
					<b>Salient Issues and Concerns</b> <ul style="list-style-type: none"> <li>NTR</li> </ul>
<b>Emergency Roads Operation and Maintenance (O&amp;M)</b>					
Kishm Faiz Abbad Road	100%	August 06, 2015	SWC	<ul style="list-style-type: none"> <li>Completed</li> </ul>	<b>Next Steps</b> <ul style="list-style-type: none"> <li>NTR</li> </ul>
					<b>Salient Issues and Concerns</b> <ul style="list-style-type: none"> <li>NTR</li> </ul>
Baghlan-Kunduz Road	100%	August 11, 2015	OACEC		

Project Title	Progress Achieved	Completion Date and Comments	Contractor and Comments	Progress Updates	Next Steps, Salient Issues and Concerns
Kabul-Kandahar Road	100%	December 31, 2015	FMCC	<ul style="list-style-type: none"> <li>Joint IRD EQUALS/FMCC /MoPW Final Inspection of the completed works was conducted on December 31, 2015.</li> </ul>	<p><b>Next Steps</b></p> <ul style="list-style-type: none"> <li>Inspect the road works on completion of one month warranty period for the release of retention payment to FMCC contractor</li> </ul>
Kabul-Ghazni Road	0%	N/A	BCURA Construction Company	<ul style="list-style-type: none"> <li>Joint IRD EQUALS/BCURA assesment of the scope of work was conducted on 24 November 2015. The assesment Report was submitted to USAID in the second week of December 2015</li> </ul>	<p><b>Next Steps</b></p> <p>Start monitoring the O&amp;M works subject to USAID approval of Kabul-Ghazni O&amp;M project</p>

### **1.2.1 B Salient Issues**

In accordance with issued USAID disposition instructions, the laboratory equipment used by IRD-EQUALS for the QA services on GK road was intended to be transferred to Kabul Polytechnic. On 24 December 2015 two containers with the lab equipment were dispatched from Camp Liz to Kabul in two truck convoy escorted by security. However the equipment did not reach the destination as it was intercepted within Gardez City by the local police force and Paktia Government representatives who diverted the shipment to Paktia University. The containers were unloaded in the Paktia University yard and the local authorities stated that the containers with equipment would stay in their custody until USAID makes a decision to donate the equipment to the Paktia University. USAID were informed regarding the incident and are communicating with Afghan Ministry of Higher Education officials in order to resolve the issue..

### **1.2.1 C Future Activities**

During the next quarter, in addition to routine activities, the team plans to perform the following QA activities:

- Monitor the quality and progress of works implemented by MECC to rectify the punch list items and to complete the remaining activities for the construction of scour mattress and river training works for the bridge #9.
- When the rectification of all punch list items is completed, jointly with MECC and MoPW representatives, conduct the final inspection of the works completed under GK Road Section 2, Phase IV.
- Monitor the contractor's compliance with hygiene, safety and environmental standards. Report to USAID on any observed deviations from environmental standards during the demobilization of contractor's Camps.
- Continue reporting to USAID on any observed deviations from the approved designs, specifications and standards that might impact the quality of road works, as well as environment and safety conditions.

## 1.3 Power Quality Assurance

### 1.3.1 Kandahar-Helmand Power Project

#### 1.3.1 A. Installation of Kajaki Unit 2

##### a) EQUALS Activities:

- EQUALS continued to submit Installation Quality Assurance Reports for Kajaki Unit 2 to USAID in the 4th Quarter, 2015.
- EQUALS participated in the Kajaki U2 Coordination Meetings with DABS PIU, USAID, GFA and 77 CC. During these meetings, the following main issues were discussed:
  - Master Submittal Register.
  - Procurement Schedule.
  - Finalization of 100% Mechanical & Electrical drawings including stamped IFC drawings.
  - Comprehensive Drawing and Document List. Cross reference matrix for B&V, Chinese and 77 drawings numbers.
  - Generator Shaft 2 re-measurement by Hatch – TT to take lead.
  - 100% Design & Drawing status including stamped IFC drawings on site.
  - GFE Oil testing, transformer & generator testing – Oil sampling from GFE transformers, existing transformers and barrels; GFE Electrical Equipment Testing Plan submitted by 77 CC inclusion of Pass/Fail Criteria.
  - Quality of Chinese welds on the Spiral Case. This is additional work not included in schedule which impacts on the 77 CC Baseline schedule.
  - SEPS Interface design impact.
  - Hydrostatic Pressure Testing of Spiral Case, MIV, PRV & Head Cover – various options.
  - 77 CC Factory Acceptance Test – A short briefing was made to USAID on the China & Turkey FATs completed on 17-18 December and on 21-23 December 2015 respectively.
  - Transformer Lifting Plan. Significant safety issues identified, including maximum load, load stability and final placement. 77 CC required to include a detailed layout plan of the transformer placement area including elevations to indicate inverts and extents of the working area.
  - Combined Mechanical & Electrical Plant Outage. Outage Plan yet to be submitted by 77 CC.
  - Quality issue of MIV upstream pipe (porosity).
  - Security situation in Kajaki and Remobilization plan.
  - Testing of the Water Intake Gate Mechanism.
  - Transportation of Equipment (Panels, Metals, and Test Plugs) from Kandahar – Kajaki via heavy lift MI26 helicopter. All the consignments after first FAT are now in Kandahar and the remaining consignments after scheduled FAT 2 are expected to be in Kandahar by 1 January 2016 as 77 CC confirmed. Tetra-Tech is now included and USAID is planning to mobilize a MI26 in the 1st week of January 2016.
  - Transportation of Governors for U1 & U3 and Excitation for U1 & U3.
  - Status of PO and FAT for Governor and Excitation System for U2.
  - 77 CC Submittal Letter No.0163 Operation Control System.
  - Recovery schedule after remobilization.
  - 77 CC Claim #02 Interim Payment Submission: Based on the final recommendation made, the claim is in process with the Ministry of Finance.

- o Humidity in the transformer body: The blue color Silica Gel in the breather for the Power transformer Phase 1 is saturated with moisture and needs to be replaced.
- o Recovery schedule Rev#3.8 – EQUALS submitted its comments on Recovery schedule Rev#3.8 to USAID on 15 December 2015. USAID has been requested to coordinate a comprehensive meeting with all parties to address all schedule issues so that the schedule can be much more realistic. (Refer to Kajaki Unit 2 Main Issues below).
- EQUALS sent comments/clarifications to USAID on the following subjects during the reporting period:
  - o 77 Construction Certified Invoice # 6.
  - o 77 Construction Certified Invoice # 7.
  - o 77 CC Mechanical and Electrical Outage.
  - o 77 CC Governor System installations and pre-commissioning Method Statement.
  - o 77 CC M36-56 Bolts Inspection Certificates.
  - o Transport of Oversized Material to Kajaki Dam II.
  - o 77 CC Transformer Lifting and Transportation Plan.
  - o 77 CC Excitation System Installation Pre-Commissioning Method Statement.
  - o 77 CC M36-56 Bolts Inspection Certificates.
  - o Transport of Oversized Material to Kajaki Dam.
  - o 77 CC Transformer Lifting and Transportation Plan.
  - o 77 CC Excitation System Installation Pre-Commissioning Method Statement.
  - o 77 CC Transmittal Letter Operation Control System.
  - o 77 CC Interim Claim No. #02 regarding the evacuation time September 15 to October 15, 2015.
  - o 77 CC Comments Regarding Cement Research & Development Institute CR&DI Company Profile and Calibration Certificate.
  - o Re-mobilization Plan for Kajaki.
  - o 77 CC Factory Acceptance Test in China.
  - o Kajaki U2 Milestone Schedule - Baseline vs Recovery 3.7.
  - o Kajaki Unit 2 - Issues Tracker 07 November 2015.
  - o Review of 77 CC Interim Claim No#02 Revision 1.
  - o 77 CC Transmittal Letter Fire Detection System Installation Method Statement.
  - o EQUALS Concerns on 17 mm Rubber Pad For Upper Part of Spiral Scroll.
  - o Kajaki Unit 2 - Issues Tracker November 14, 2015 2015.
  - o EQUALS comments on the 77 CC Recovery Schedule #3 revision 7 for Kajaki U2.
  - o Kajaki Unit 2 - Issues Tracker November 21, 2015.
  - o Kajaki Unit 2 - Issues Tracker November 28, 2015.
  - o EQUALS comments and request for clarification from 77 CC regarding Claim #2 Revision 1.
  - o EQUALS comments on Revised Interim Assessment and Recommendation Report for 77 CC USA's Claim No. 2(A)R1.
  - o Remobilization Planning - Option #3 Slow Phased Return - High Priority Request.
  - o EQUALS comments on Distributor Installation Method Statement.
  - o EQUALS comments on 77 CC GFE Electrical Equipment Testing Plan.
  - o Comments on 77 CC Generator Switchgear Installation Method Statement.
  - o Comments on 77 CC Fire Detection System Installation.
  - o Expat Site Visit Report (6-8 December, 2015).
  - o Clarifications on Magnetic Particle Testing (MPT).
  - o Comments on 77 CC Materials Transportation Plan to Kajaki.
  - o Comments on 77 CC Transformer Lifting and Transportation Plan.
  - o EQUALS comments on the 77 CC Recovery Schedule #3 revision 8 for Kajaki U2.
  - o Kajaki Unit 2 - Issues Tracker December 05, 2015.
  - o Kajaki Unit 2 - Issues Tracker December 12, 2015.
  - o EQUALS comments on 77 CC Transformer Oil Test Result Analysis revision 1.
  - o Kajaki Unit 2 - Spiral Case Welding Progress Spreadsheet.

- o Kajaki Unit 2 - Issues Tracker December 19, 2015.
- o Kajaki Unit 2 - Issues Tracker December 26, 2015.
- o 77 CC Remedial procedures to correct the misalignment of Spiral Case and final levelling of Stay Ring.
- o Expat Site Visit Report (6-8 December, 2015).
- EQUALS Expat Mechanical Engineer visited Kajaki site during the periods December 06-07 & 26-29, 2015, for the following:
  - o Assess Construction QA Engineers' field inspection activities.
  - o Verify actual activities against Baseline schedule.
  - o Assess construction progress status in Powerhouse, Workshops, and Laydown areas.
  - o Stay Ring/Spiral Case section welding, NDT and repair progress.
  - o Insight on Spiral Case section welding progress with percentage calculations.
  - o Clarification/discussions with 77 CC on transformers oil samples to be collected from GFE transformers, existing transformers and from barrels.
  - o Clarification on planning for the welding/installation of Stay Ring/Spiral Case sections from 77 CC.
  - o Assessment and evaluation of the 77 CC Spiral Case welding progress after remobilization.
  - o Re-assess the current manpower (MP) against activities included in the Look-Ahead Program.
  - o Re-orientation training for EQUALS QA Engineers after the remobilization and to re-affirm EQUALS QA monitoring requirements and guidelines.
  - o General site observations of various ongoing activities.
- Two EQUALS expat engineers went to China to participate in the FAT for the Governor and Excitation System. The same engineers attended the FAT in Turkey and participated in another FAT for Switchgear and SCADA system.

**b) Kajaki Unit 2 Main Issues:**

- Measurements of shaft straightness.
- Manufacturer of roller stands and mobilization of Hatch (Tetra Tech Subcontractor) to site.
- When is Hatch's mobilization to site?
- No IFC drawing with GFA stamp as APPROVED has been in use at site.
- GFE Oil testing, Transformer & Generator testing.
- The GFE Electrical Equipment Testing Plan submitted by 77 CC to include Pass/Fail Criteria.
- Quality of Chinese welds on Spiral Case: Additional work not included in the schedule. EQUALS is concerned about the duration of additional work and the impact on the schedule.
- SEPS Interface design impact; what are the options and what will be the impact on 77 CC activities and schedule?
- Transportation of Equipment (Panels, Metals, Test Plugs) from Kandahar – Kajaki; 77 CC to forecast when all materials will be delivered to Kandahar in order for USAID to plan their movement to Kajaki using the MI26 helicopter.
- 77 CC Claim #02 Interim Payment Submission.
- GFA/EQUALS/DABS/77 CC/USAID met on November 25, 2015, to discuss the 77 CC Interim Claim No. #02. During the meeting, 77 CC was requested to submit justification information on accommodation of staff at Dhala Dam during evacuation and other missing information to support the Claim.
- Humidity in the transformer body: The blue color Silica Gel in the breather for the Power Transformer Phase 1 is saturated with moisture and needs to be replaced.

- GFA Helicopter Issue: GFA helicopters could not be flown from 27 December 2015 and no flight to Kajaki took place until 31st December 2015 due to technical issues. The consequence was the IRD-EQUALS Expat engineer and local national Construction QA engineer being stranded in Kandahar.
- Stay Ring/Spiral Case Welding Issue:
  - As of 2 December 2015, the welding for the sections around the Stay Ring was confirmed to have been completed by 77 CC. However, a visual inspection was made by the third party NDT technician during 06-09 December, 2015. of the weld seam between the Spiral Case and stay ring exterior lower side. The recommendation was for one additional layer of welding. Repair works are still ongoing.
  - Baffle Plates: Welding is still required on about 56 m of baffle plates.
  - Circumferential welding of spiral section S-5 to section S-6 and spiral section S-6 to section S-7 remains to be completed. The total linear meters for these two sections of circumferential welding is about 30 m.
  - The 18 mm offset at Spiral Case S-2 end: During the survey in the Powerhouse, it was observed that the upstream end of Spiral Case Section 2 shows an offset of 18 mm towards the y-axis (turbine axis), as measured upon completion of the nearby welds of Section 2 to Section 1. 77 CC needs to rectify this offset while welding Sections S-2/S-6 & S-6/S-7, so that the correct centerline matches with the MIV center axis.
  - Hydrostatic pressure testing of the Spiral Case can only be completed after completion of the welding for these remaining sections.
  - With the limited manpower of 77 CC currently working at site, EQUALS does not anticipate the remaining welding (including NDT tests and repair works both for field weld seams as well as Chinese weld seams) to be completed before mid-January, 2016.
  - The hydrostatic pressure test may be delayed, as a result of the slow progress being made on welding.

### **c) Kajaki Site Progress Summary**

77 CC work activities at Kajaki Site resumed on November 23, 2015, after the evacuation on September 15, 2015.

Two EQUALS QA Engineers were remobilized to Kajaki Site on November 23, 2015, and resumed monitoring of 77 CC activities and reporting to USAID on a daily basis. EQUALS looks forward to remobilize additional QA engineers as 77 CC increases output, especially to support double shift welding etc.

#### **Powerhouse**

- Circumferential and longitudinal welding of Spiral Case sections S-2, S-3, S-4 and S-5 with each other and all around the stay ring was completed.
- UT for the above weld seams of Spiral Case sections S-2, S-4 and S-5 interior side are complete.
- 77 CC performed Magnetic Particle Testing (MPT) to the Chinese weld seams on exterior & interior surfaces of the Spiral Case at sections S-1, S-2 and S-3 (altogether 22 circumferential welding joints) after grinding and cleaning, followed by grinding and re-welding of defective portions.
- 77 CC performed MPT on the exterior & interior circumferential new welding joints of the Spiral Case at sections S-4 and S-5. Minor defects were observed, which were ground and re-welded afterwards.
- 77 CC started and continued grinding and re-welding of the defects identified during Non-Destructive Test (NDT) on the interior and exterior surfaces of all sections of the Spiral Case.

- 77 CC completed the welding and grinding of baffle plates inside of the Spiral Case at sections A & B of the Stay Ring and Spiral Case throughout the sections S-2, S-3, S-4 and S-5.
- 77 CC completed applying primer and Bitumastic 300 M onto the interior surface of the welded baffle plates using a hand brush.
- 77 CC checked the alignment and offset of the Spiral Case with the laser measurement device and the report will be submitted.
- 77 CC carried out measurements for the water outlet at the Pressure Regulator Valve (PRV) housing. The old ventilation system was replaced with the new one in the Powerhouse and some additional welded supports were also installed at the bottom of the scroll case for securing its position.
- Generator shaft 2 was moved from the 2<sup>nd</sup> floor to the main entrance bay for physical checking and measuring. The straightness test for the Generator Shaft 2 was performed by GFA using the dial gauge indicators and the detailed report would be submitted by GFA to DABS.
- Magnetic Particle Test (MPT) was performed on the Chinese welding seams of Spiral Case section S-3 interior surface after cleaning. During the MPT some minor defects were detected and will need to be rectified.

#### **Laydown Yard**

- 77 CC performed housekeeping and arranged flammable liquids in separate containers as part of health and safety plans at the Kajaki site.
- Oil samples for the transformers 01, 02, 04, and 05 were collected for testing in Turkey. The samples were stored in glass bottles and the bottles were labeled according to the transformer serial numbers.
- Oil samples from two barrels (barrel #1 & barrel #2) located in Laydown area were collected for testing in Turkey. The samples were stored in glass bottles and the bottles were tagged according to the barrel numbers. The detailed test reports should be submitted to all parties after testing of all of the above samples.
- Cleaning and removal of rust from the turbine shaft coupling bolts is complete.

#### **Batch Plant**

- No activity during the reporting period.

#### **Material Testing Laboratory**

- On November 24, 2015, 77 CC conducted the 72 day compressive strength test on two concrete cylinders that were stored from trial mix #2 of Askari cement mixed on September 14, 2015. The compressive strength test results were 43.60 Mpa and 42 Mpa respectively, which are above the required 30 Mpa at 56 days for Concrete Class I (Technical Specification TC-6.14 – Concrete Mix Design). 77 CC was unable to perform the 7 and 28 day compressive strength tests on the samples as required by the contract, due to evacuation and demobilization from the site.
- On November 25, 2015, 77 CC conducted the 73 day compressive strength test on two concrete cylinders (sample 3) that were stored from trial mix #2 of Askari cement mixed on September 14, 2015. The compressive strength test results were 32.20 Mpa and 38.16 Mpa respectively, which are above the required 30 Mpa at 56 days for Concrete Class I (Technical Specification TC-6.14 – Concrete Mix Design). 77 CC was unable to perform the 7 and 28 day compressive strength tests on these samples as required by the contract, due to evacuation and demobilization from site.

## **Sandblasting and Painting**

- The sandblasting machine compressor was damaged on November 26, 2015, and by November 28, 2015, had been repaired and serviced.
- Re-sandblasting of the MIV upstream main pipe interior & exterior surfaces was completed. A small defect was observed on the exterior surface of the pipe during surface roughness profile inspection, which was repaired before applying primer paint.
- As Carbothane 133 HB was applied improperly on the exterior surface of the MIV upstream main pipe and DFT values were found to be higher at the majority of the locations under sample testing, GFA asked 77 CC to remove the excess paint and to repaint. After removal of excess paint, 77 CC conducted DFT measurements and the results were satisfactory.
- After completion of Bitumastic 300M application to the inner surface of the MIV upstream main pipe, 77 CC conducted DFT measurements and the DFT values were found to be within the acceptable range.
- Primer application and DFT measurements for primer for the MIV upstream main pipe interior and exterior surfaces were completed with DFT values meeting the technical requirements. The first and second coats of Bitumastic 300M were also completed on the interior surface of the pipe.
- 77 CC moved the Wicket Gate Regulating Ring and Dismantling Flange (ring) to sandblasting shop for sandblasting. Sandblasting and cleaning of these two components has also been completed.
- 77 CC completed primer application on the Wicket Gate Regulating Ring and Dismantling Ring (flange). After DFT measurements of the primer, Carbothane 133 HB was applied to both the external and internal primed surfaces and afterwards DFT measurements was conducted for Carbothane 133HB with acceptable results.
- Sandblasting as well as primer coat application was completed for the PRV servomotor. After conducting DFT measurements of primer onto PRV servomotor, 77 CC completed application of Carbothane 133HB.
- 41 baffle plates were sandblasted and moved to the Powerhouse.
- 77 CC performed sandblasting, application of primer Carbozinc 11 followed by DFT measurements for the interior and exterior surfaces of the Turbine Head Cover. Afterwards 77 CC also completed application of Bitumastic 300M.
- 77 CC completed sandblasting of the MIV and Wicket Gate servomotors followed by surface roughness profile test prior to apply Carbozinc 11, which met the specification of SSPC-SP10.
- 77 CC completed primer Carbozinc 11 application on the MIV servomotor followed by DFT measurements and Carbothane 133HB application. 77 CC also completed application of primer Carbozinc 11 onto the Wicket Gate servomotors.
- 77 CC completed sandblasting of the dewatering system valves, DN200, and bypass valves for the MIV system followed by surface roughness profile test, which met the specification of SSPC-SP10. Afterwards, they completed primer Carbozinc 11 application and DFT measurements for primer with acceptable DFT values of 50-90 microns.

## **Material Delivered to site**

Some of the major materials that were delivered to site during the reporting period:

- 1 piece of ACDP Panel Board.
- 1 Piece of DCDP Panel Board.
- 1 piece of LDP Panel Board.
- 2 pieces of Rectifiers.
- 3 pieces of Neutral Grounding Resistors.

## **CLIN 1 Kandahar Power Distribution System**

### **CLIN 1.1 Kandahar Breshna Kot Substation (KDBK)**

- EQUALS continued to monitor and support DABS in the operation of the substation.
- EQUALS continued to submit Breshna Kot (BK) daily substation operation reports to USAID from October 01 to December 31, 2015.
- EQUALS continued to observe the energy production at BK substation.
- EQUALS noted that there were several trips along the 110kV transmission line during the reporting period. This was generally due to overloading, short circuits in the Kajaki System and/or damage due to insurgent activities.

#### **Kajaki 'As-required' Activities:**

- EQUALS continued to monitor the delivery of power generated from the Kajaki Hydro Plant through the DJCN substation and 110kV transmission lines to KDBK substation. Power was also delivered from the Kajaki Hydropower Plant to the villages of Tangi and Musa Qala. However, the 110kV transmission line between Sangin and Kajaki Substation has been experiencing down time during the reporting period due to suspected insurgent activities. DABS operators maintained the power supply by reconnecting the lines.

### **CLIN 1.5 Kandahar Breshna Kot Generation (KDEG)**

- EQUALS continued to monitor and support DABS for diesel plant operations.
- EQUALS continued to submit Breshna Kot daily generation reports to USAID from October 01 to December 31, 2015.

### **CLIN 2.1 Durai Junction Substation (DJCN)**

- EQUALS continued to monitor DABS in the operation of the DJCN Substation remotely from BK Substation.

## **CLIN 2 Sub CLIN 2 Procure Equipment for Additional Substations**

- NTR

## **CLIN 3 Regional Camp and Program Management**

- NTR

## **CLIN 4 Shorandam Industrial Park (SIPD) Diesel Power Plant**

- EQUALS continued to observe DABS operations and maintenance activities.
- EQUALS continued to monitor DABS diesel fuel supply. However, no energy was generated in LSIP during the reporting period.

## **Sub CLIN 6.2 Repair GFE, Provide Missing and Additional New Equipment for Kajaki Unit 2**

- NTR

## **Sub CLIN 6.3 Support for Installation and Commission Kajaki Unit 2**

- NTR

**Table 07:** Key Performance Indicators for the Power Quality Assurance Team

Key Performance Indicators for 4 <sup>th</sup> QR 2015	Task Owner	Quarterly Required Deliverables	Quarterly Actual Deliverables	JO-08 Required Deliverables <sup>7</sup>	JO-08 Completed Deliverables
<b>Kandahar-Helmand Power Project</b>					
<b>CLIN 1 Kandahar Power Distribution System</b>	USAID				
Number of scheduled site inspections completed		N/A	N/A	N/A	0
Number of engineering technical reviews of design packages		Dependent on submittal	0	N/A	0
<b>CLIN 2 Durai Junction Project</b>	USAID				
Number of scheduled site inspections completed by engineers		N/A	0	N/A	0
Number of engineering technical reviews of design packages		Dependent on submittal	0	N/A	0
<b>CLIN 4 Shorandam Industrial Park Diesel Power Plant</b>	USAID (O&M)				
Number of scheduled site inspections completed by engineers		N/A <sup>8</sup>	N/A	N/A	N/A
Number of engineering technical reviews of design packages		Dependent on submittal	N/A	Dependent on submittal	N/A
<b>CLIN 5 Kajaki Dam Substation and Local Distribution System</b>	USAID (Suspended)				
Number of scheduled site inspections completed by engineers		N/A	N/A	N/A	N/A
Number of engineering technical reviews of design packages		N/A	N/A	N/A	N/A
<b>CLIN 6 Kajaki Unit 2 Upgrade</b>	USAID (GFA mobilized to the Project Site on January 01, 2015)				
Number of daily inspections completed by engineers		N/A	N/A	N/A	N/A
Number of engineering technical reviews of design packages		Dependent on submittal	N/A	Dependent on submittal	N/A
<b>Ad-Hoc Reports</b>					
Number of additional reports completed	USAID	N/A	N/A	N/A	16
<b>Kajaki Unit 2 Installation</b>					
Number of daily inspections completed by engineers	USAID	90	50	340	200
<b>Ad-Hoc Reports</b>					
Number of additional reports completed	USAID	N/A	30	N/A	60

<sup>7</sup> The number of required deliverables is calculated for the period of April 18, 2015 to April 17, 2016.

<sup>8</sup> No operations at site; number of “Quarterly Required Deliverables” is N/A.

### 1.3.1 C DABS GIS Support

EQUALS continued to assist DABS with implementing the Distribution Network Mapping Technical Assistance. See activities below:

#### Mapping Activities and approach

- A cumulative number of 7,055 medium voltage poles for North and East Substation were captured by the end of the reporting period.
- Data for 1,361 new transformers was captured by the end of the reporting period.
- The percentage of the Kabul MV distribution network covered so far is estimated to be 43% (This percentage is continuously under review because it is an estimate, as the full network size is unknown).
- IRD/EQUALS held a presentation (to DABS management and USAID representatives) at DABS HQ and shared the following in view of ending of project activities by December 31 2015:
  - a) Project background – the background to the project was outlined.
  - b) Mapping Approach – the mapping approach and systems being used to map the Kabul distribution network were explained.
  - c) Progress achieved – progress that has been achieved (February 2014 – November 2015), was presented and participants were shown the applications being used to implement the mapping process.
  - d) Challenges – IRD/EQUALS noted the challenges the team was facing and advised DABS management on how they could mitigate them.
  - e) Recommendations & Way Forward – Recommendations that will ensure sustainability to this initiative were presented and IRD/EQUALS also revisited the cost sheet that was presented as part of the exit plan submitted in October 2015. DABS management requested USAID to consider funding the cost of ongoing activities.
- The closeout of GIS support activities to DABS started on the 1 December 2015 and the following were the timelines:
  - On 1 December 2015, IRD/EQUALS started to compile the closeout report for the DABS GIS support activities. The final report will be submitted on 24 December 2015.
  - On 2 December 2015, USAID approved the handing over of six Samsung tablets to the DABS GIS team.
  - On 7 December 2015, IRD/EQUALS handed over these tablets to DABS.
- The DABS GIS Capacity Close-out report was finalized and cleared with the reports team.
- Mr Chris Mpande de-mobilized on 27 December, 2015.
- The activity is now complete.

### 1.3.2 D Salient Issues and Concerns

#### KHPP

- No DoD fuel was delivered to Breshna Kot during the reporting period. DABS continue to use its own fuel to operate the MTU generating plant.
- EQUALS continued to monitor DABS diesel fuel supply. However, no energy was generated in LSIP during the reporting period.

#### 1.3.2 E Future Activities

Continue to observe and report on power usage and power generation at BK and LSIP in Kandahar.

**Kandahar Helmand Power Project**

- One EQUALS Local National Engineer stationed in Breshna Kot Substation continues to support monitoring of power generation in BK, LSIP, DJCN and Kajaki Power Plant.

**Kajaki Unit 2**

- Two EQUALS Local National QA Construction Engineers were redeployed to Kajaki Site on November 23, 2015, to provide continued QA oversight and monitoring with full coverage of 77 CC construction activities under Remobilization Plan Option #03. EQUALS is prepared for the remobilization of additional QA staff once 77 CC increases work output on notification to implement full remobilization.
- EQUALS Expat Engineers to continue to visit the Kajaki Unit 2 site each week to assess Construction QA Engineers' field inspections and Contractor's construction activities.

**Power - Photos:**

*N.B: There were no photographs for October 2015, due to Kajaki Evacuation.*

**Photographs during November 2015:**



**Image 31:** Kajaki Unit 2 welding of Spiral Case progress.



**Image 32:** Section S-3 welding - Stay ring inner side.



**Image 33:** Circumferential welding of the Section S-3 - stay ring inner lower side.



**Image 34:** Pre-heating of Spiral Case section S-3 and stay ring welding joints.



**Image 35:** Re-sandblasting of the MIV upstream pipe.



**Image 36:** Generator shaft 2 moved from 2nd floor to main entrance bay.

**Photographs during December 2015:**



**Image 37:** Cleaning of Spiral Case section S-3 and stay ring weld seams prior to the NDT.



**Image 38:** MPT on Spiral Case section S-2 and stay ring weld joints inner lower side.



**Image 39:** Collecting transformer oil sample from bottom drainage pipe.



**Image 40:** Ultrasonic Test result shown for the section S-2 with stay ring (inner upper side) new weld.



**Image 41:** Ultrasonic test for the section S-2 with stay ring weld seams inner upper side.



**Image 42:** Inner side re-sandblasting of MIV upstream pipe.



**Image 43:** Generator shaft 2 straightness tests used straightness indicator device.



**Image 44:** Welding section S-3 with stay ring inner upper side.



**Image 45:** Grinding the defects found during NDT inside the Spiral Case.



**Image 46:** Collecting oil samples from the barrels.



**Image 47:** Grinding the defect found during NDT on exterior surface of Spiral Case.



**Image 48:** DFT measurements of primer paint on MIV upstream main pipe exterior surface.



**Image 49:** Cleaning of wicket gate regulating ring after sandblasting.



**Image 50:** PRV servomotor after primer coat application.



**Image 51:** Primer applied on wicket gate ring without conducting the profile roughness test.



**Image 52:** Baffle plates welding onto stay ring without applying paint onto the inner surface, Section S-3.



**Image 53:** Chinese weld seams defects repaired in the interior side of Spiral Case location S2-5.



**Image 54:** Primer coat (Carbozinc 11) DFT test of the dismantling ring.



**Image 55:** Scroll Case alignment checked.



**Image 56:** Carbothane 133-HB final coat application onto PRV servomotor.



**Image 57:** Both Primer and Bitumastic 300M applications were done to the interior surface of baffle plates.



**Image 58:** Welding of baffle plates onto the stay ring and Spiral Case (section S-3).



**Image 59:** Magnetic Particle Test (MPT) on the Chinese weld seams (Section S-4).



**Image 60:** Carbothane 133HB (Paint 5) onto the wicket gate ring.



**Image 61:** Grinding of the defects in the Chinese weld seams on (Section S-2) and (Section S-3).



**Image 62:** Sandblasting of the turbine head cover.



**Image 63:** Application of primer Carbozinc 11 for the Gate Valve (No. 1) for Dewatering System.



**Image 64:** Grinding of welded Baffle plates onto the stay ring and Spiral Case (B) inside Section S-2.



**Image 65:** Grinding of welded baffle plates onto the stay ring and Spiral Case (B) inside Section S-2.



**Image 66:** Sandblasting of wicket gate servomotors.



**Image 67:** Wicket gate servomotor after primer application.



**Image 68:** Interior surface of turbine head cover after Bitumastic 300 M application.

## 2 PROGRAM UPDATE – SUPPORT

### 2.1 Management

#### 2.1.1 Accomplishments

- Submission of a revised work plan and budget for JO-09 due to continued delays in construction of 100 Bed and 20 Bed hospitals of the CHEF program.
- Negotiated an agreement with Gardez Provincial Governor to transfer Camp Liz to District Governor on completion of the program.

#### 2.1.2 Salient Issues and Concerns

- Continued delays in the installation of Fire Doors at Sardar Kabuli Girls’ School, resulting in the possibility for extension to enable on-site QA oversight to be maintained.
- Increased level of support required in the delivery of Kajaki Unit 2 activities, due to weaknesses within DABS, implementing contractors and transition of Owner’s Engineer responsibilities from GFA Consulting Ltd to Tetra Tech Inc. The final transfer of QA responsibilities to Tetra Tech is planned during March 2016, with a final handover date yet to be decided.
- Continued delays at Kajaki site due to partial re-mobilization of 77 CC construction staff.
- Increased security incidents along Gardez-Khost road section 3 construction locations that may impact on the completion date of Phase 4 works by mid-January 2016, as well as completion of disposition of property from Camp Liz, by 31 January 2016.
- A replacement QA contractor has not yet been identified, resulting in EQUALS having to develop Handover Files by Sector for potential Warranty and/or Claims (with the exception of Kajaki Unit 2), rather than include a transition period.

#### 2.1.3 Future Activities

- Implementation of OY4 activities.
- Implementation of Closeout Plan for Camp Liz operations (JO-10).
- Finalizing and submitting the De-mobilization Plan for the EQUALS program operations based in Kabul.

### 2.2 Security

#### 2.2.1 Security Team Accomplishments

- Kabul tasks completed (150).
- Camp Liz tasks completed (38).
- Out of province missions completed (18).

**Table 08:** Tasks completed:

PRMC Kabul Tasks (Personnel)		NRMC Camp Liz Tasks (Personnel)		Total
Nat	Exp	Nat	Exp	
17	212	27	44	300

## General Overview:

### IRD EQUALS

#### Kabul

- A full evacuation of all US Nationals, and Local Nations, to include EQUALS Local Nation Engineers was conducted from Kajaki Life Support area. More detail to the evacuation can be found on the IRD SIR 0003 (TIER II) Insurgent Activity Kajaki:
  - GSWP-2015-000097 IRD SIR 0003 (TIER II) Insurgent Activity Kajaki.
- The notification to re-mobilize to Kajaki Dam Unit 2 Project was received from USAID on 18 November 2015. Program planning commenced in order to deploy PSRM Javier Ojeda and PRMC Mark Dryhurst-West on the 21 November 2015 to conduct an initial assessment of safety and security in advance of re-mobilization of EQUALS LN Engineers and Expat personnel. The first Kajaki Dam Unit 2 Project site visit by an Expat occurred on 5- 8 December 2015.
- A six (6) month review of RMC Safety and Security Training Evaluation was conducted by means of a feedback questionnaire developed by the Security & Risk Management Department. The review was completed on 30 November 2015.
- A six (6) month review of the Program Security Plan (PSP) was conducted by the Security & Risk Management Department to ensure the plan is fit for propose through the close out of the EQUALS program in April 2016. The review was completed on 10 December 2015.
- The Logistics Department has commenced with a draw down/back load plan of non-essential security related equipment in preparation for EQUALS close out.
- Camp Liz Close Out Plan and Security Close Out Plan are being implemented and remain fluid documents due to the changing security environment. Weekly co-ordination meetings are held and chaired by Mr Jatender Kaushal as the Camp Liz Close Out Coordinator, on behalf of COP.
- EQUALS Camp Liz Close Out Plan and the Security Close Plan, includes daily communication been PSRM Kabul and NRMC Camp Liz to ensure end-to-end coordination is maintained. This will simplify closing down the security provisions without breaching any aspect of internal or external security, thus maintaining integrity of the camp outer perimeter throughout.
- The Security & Risk Management Department provided continuous oversight of EQUALS LN Engineer Masood Sayed Mujtaba who deployed to Ghazni in 27 November 2015 in support of the FMCC implemented Emergency Repairs of the Kabul to Kandahar Road Project. The project came to a successful close on the 31 December 2015 and Eng Mahmood Ahmadi safely returned to Kabul.
- Daily meetings continue with the RMC to discuss varying matters of the security management function:
  - Site Security Plan (SSP) and Emergency Response Plans (ERP's) are synchronized with the PSP.
  - Compliance oversight of all RMC licensing, and contractual deliverables are being achieved.
  - Planning and coordination for Out of Area Missions:
    - Camp Liz Road Missions.
    - Site visits to Kandahar Province and Helmand Province (Kajaki Dam Unit 2 Project) with RMC support.

- PPE (personal protective equipment) has been replaced at AMTEX Village, and the unserviceable PPE has been returned to EQUALS Logistics Department.
- Review of the status of archiving of all security related Team Reports, Weekly, Monthly, Quarterly, SIR's, Incident Reports, Accident Reports and archive reports and returns from Edinburgh International (EI) and Pilgrims on the Program shared drive.
- Safety and security training continued over this reporting period. Emphasis was given to the threat of kidnap and ransom (K&R), by delivering K&R briefings and situational awareness exercises to Expat staff.
- All training records, attendance registers and PowerPoint Presentations are stored in the Program shared drive and support the Training Objectives set out in the Program Security Plan (PSP). All safety and security training is monitored and formally recorded in accordance with the EQUALS PSP, Appendix 1 to Annex F-PSP-Program Records.
- Additional training is available online for all EQUALS staff members:
  - o Disaster Ready, Online Training, provided by IRD  
<http://www.disasterready.org/ird>.
  - o SAFEGUARD™, E-Learning Suite, provided by Pilgrims UK  
[www.safeguardlearning.com](http://www.safeguardlearning.com).
- Mr Nick Knowles was identified as the replacement for Camp Liz PSRM Gary Moxon, and mobilized to Kabul on 21 December 2015.
- Mr Garikai Crispen Mpande, GIROA Infrastructure Data Center Manager demobilized from EQUALS on 27 December 2015 on completion of his assignment.

#### **Paktiya - Camp Liz**

- EQUALS Camp Liz Security Close Out Plan is in circulation.
- NRMC Contractual Termination Notification was issued by EQUALS Main Office on the 30 December 2015. Receipt was acknowledged by the NRMC Country Management Team.
- The Logistics Department has implemented the draw down/back load and disposition of sensitive items in Camp Liz as per USAID disposition instructions.
- NRMC personnel including the PSRM periodically conducted inspections of the G-K Road.
- The Program Security Plan (PSP) is continuously reviewed to ensure the plan is fit for propose through the close out of Camp Liz at the end of January 2016.
- Safety and security training continued over this reporting period.

#### **Pilgrims Risk Management Company (PRMC)**

- PRMC continues under the contractual agreement with EQUALS.
- PRMC manning levels are contractually correct, where the breakdown of RMC personnel is as follows:
  - o Five (5) RMC Expats, three (3) Host Country National (HCN) Watch Keepers and fourteen (14) drivers.
  - o Operating with five (5) Armoured Vehicles (Level C (III) provided by USAID and three (3) soft-skin vehicles provided by PRMC.
- PRMC supporting EQUALS underwent an internal reconfiguration of the team composition which was completed on the 1 December 2015. The team reconfiguration resulted in the departure of one (1) consultant and the arrival of one (1) new consultant.

This internal reconfiguration did not affect the RMC contractual coverage, and was monitored closely by EQUALS PSRM.

- PRMC completed Mission Risk Assessments prior to each Mission/Task.
- Submission of Daily Security Situation Report (DSSR), which records all EQUALS and PRMC personnel in Kabul and KHPP, all movements in and out of country and all missions.
- APPF MST and Quick reaction Force (QRF) continue to provide 24/7/365 duty under the direct supervision of the PM/Ops.
- Warden accountability checklists are maintained and stored in the operations room, buildings B, K and Block 04 safe areas.
- Warden responsibilities lists are updated when personnel depart/arrive in country.
- The Guard Force Manager (GFM, expat RMC) duties continued throughout, with hours from 16:30 to 16:30 the following day. The GFM is on call at all times and is EQUALS' first point of contact during hours of darkness.
- The GFM conducts routine checks on the APPF, weapons and building security. APPF weapons and ammunition daily checks have been conducted, and all equipment was found to be present and correct.
- PRMC vehicle winterization training commenced in November 2015, covering a number of specific areas including: defensive driving; speed reduction; vehicle maintenance; how to drive on ice, fitting and driving with snow chains, driving in fog and rain, etc.
- Review of training records, attendances registers, PowerPoint Presentations stored on the Pilgrims RMC shared drive and document that support the Training Objectives set out in the Program Security Plan (PSP). All safety and security training is monitored and formally recorded in accordance with the PRMC Training Directive.

#### **Tracking, Sicuro Track:**

- All Sicuro Argus SE Units (6) (vehicle mounted and man portable) are online and functioning correctly, (1 unit in each AV (5), and 1 spare unit which is carried during Kajaki tasks).
- Monthly panic alarm tests were conducted on 19 October 2015, 26 November 2015, and 31 December 2015.
- Both PSRM's cell phones have not been receiving SMS text panic alarm alerts from SicuroTrack. Sicuro Support Dubai is attempting to resolve the issue.

#### **RMC Visas, Work Permits, Licenses and Passes:**

- AISA RMC License expired on 19 December 2015, with a temporary license being issued, valid until 19 January 2016.
- AISA Zavar Logistics License is valid until 10 February 2016.
- MOI RMC Operating License is valid until 19 February 2016.
- Expat Weapon Movement Authorization is valid until 21 January 2016.
- Communications License was valid until 21 December 2015, in process of renewal.
- APPF Weapon Carriage Certificates for KAF weapons (3 x AK), in process of renewal.
- Kabul International Airport Car Park B passes are in operation.

**Table 09:** Armored Vehicle C (III) License Run out Dates (ROD) as below:

Vehicle CS	Vehicle Color	Vehicle Registration	Green Book ROD	Armored/MOI ROD
V1	Gold	KBL-M-2498	Open	26 Oct 16
V2	White	KBL-M-2848	31 May 18	26 Oct 16
V3	White	KBL-M- 2847	31 May 18	26 Oct 16
V4	White	KBL-M-1564	Open	26 Oct 16
V5	White	KBL-M-2846	31 May 18	26 Oct 16

**Table 10:** PRMC Compliance:

Position	Name	Visa Type	Visa ROD	MOI Regist'n	Work Permit ROD	Weapon Authorization
PM/Ops	Kevin Saggars	MEV	13 Apr 16	Yes	6 May 16	Yes
PM/Ops Relief MPC 1	Mark Dryhurst-West	MEV	27 Apr 16	Yes	6 May 16	Yes
MPC 2 (KBL/KDH)	Gary Sheffield	MEV	TBC	Yes	TBC	Yes
MPC 3 (KBL/KDH)	Matthew Pierce	MEV	29 Feb 16	Yes	2 Aug 16	Yes
MPC Relief (KBL/KDH)	James Dexter	MEV	01 Mar 16	Yes	24 Jun 16	Yes
MTC 1 (KBL/KDH)	Ryan Elliott	MEV	13Nov15	Yes	6 May 16	Yes
MTC 2 (KBL/KDH)	Brendan Duff	MEV	2Dec15	Yes	28 May 16	Yes

**Table 11:** PRMC attended the following Training:

Training Provided	Frequency	Number Attended
Training Objective No 2. Occupational Safety and Health: EO. 2.1. Safety and Health in the Workplace EO. 2.3. Fire Safety EO. 2.4. Portable Fire Fighting Appliances	1	5
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On – Immediate Action's IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's EO. 5.8. Cross Deck - Actions On - IA's	1	5
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On - IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED	1	5

EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's EO. 5.8. Cross Deck - Actions On - IA's		
Training Objective No 9. Hostile Environment Medical Training, Basic Life Support: EO. 9.8. Medical - Casualty Extraction from a Vehicle	1	5
Training Objective 6. Firearms Awareness: EO. 6.1. Small Arms Characteristics and Safe Handling EO. 6.2. Heavy Weapons Characteristics Training Objective 7. IED and UXO Awareness: EO. 7.1. Characteristics of VBIED, MIED, BBIED, RCIED, Variants, UXO EO. 7.2. Discovering a Suspect IED/Device - Actions On - IA's	1	5
Training Objective 8. Communications and Tracking: EO. 8.1. Serious Incident Reporting (SIR's): <ul style="list-style-type: none"> <li>• Who. Give the details of who exactly was involved, including numbers, descriptions and what was involved</li> <li>• What. Give the details of what exactly happened</li> <li>• When. Give an exact date and time of when the incident occurred</li> <li>• Where. Give the name, exact location and grid coordinates if possible of where the incident occurred</li> <li>• Why. Give (If known) the reason why the incident occurred</li> <li>• Why. Give (If known) the reason why the incident occurred</li> </ul> EO. 8.3-4. Global Positioning System, Sicuro, Vehicle and Personnel Tracking EO. 8.5.6. Satellite Phone, Thuraya, VHF, UHF Radio, Motorola GP340 Radio and GM360 Radio EO. 8.7. Basic Voice Procedures.	1	5
EO. 4.1 AK 47 Weapon Handling Test EO. 4.4 AK47 Introduction and Nomenclature EO. 4.5 AK47 Load, Unload and Function Test EO. 4.7 AK47 Stoppage Drills EO. 4.12 AK47 Strip, Assemble and Cleaning EO. 4.13 AK47 Normal Safety Precautions	1	4
Vehicle Winterisation Training	2	9
Vehicle Winterisation Training	1	4
Vehicle & CES checks/Fault Reporting	1	4
Vehicle & CES checks/Fault Reporting	1	3
EO. 5.1 Basic Range Package	1	2
EO. 4.12 AK47 Strip, Assemble and Cleaning	1	3
EO. 3.1 Static - Actions On - IA's - SAF, IDF, IED EO. 3.2 Mobile - Actions On - IA's - SAF, IDF, IED	1	4
<b>TOTALS</b>	<b>15</b>	<b>63</b>

**Table 12:** IRD Expats attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On - IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's EO. 5.8. Cross Deck - Actions On - IA's	1	5
Training Objective No 9. Hostile Environment Medical Training, Basic Life Support: EO. 9.8. Medical - Casualty Extraction from a Vehicle	1	6
Training Objective No 6. Firearms Awareness: EO. 6.1. Small Arms Characteristics and Safe Handling EO. 6.2. Heavy Weapons Characteristics Training Objective No 7. IED and UXO Awareness: EO. 7.1. Characteristics of VBIED, MIED, BBIED, RCIED, Variants, UXO EO. 7.2. Discovering a Suspect IED/Device - Actions On - IA's	1	7
Training Objective No 8. Communications and Tracking: EO. 8.1. Serious Incident Reporting (SIR's): <ul style="list-style-type: none"> <li>• Who. Give the details of who exactly was involved, including numbers, descriptions and what was involved.</li> <li>• What. Give the details of what exactly happened.</li> <li>• When. Give an exact date and time of when the incident occurred.</li> <li>• Where. Give the name, exact location and grid coordinates if possible of where the incident occurred.</li> <li>• Why. Give (If known) the reason why the incident occurred.</li> </ul> EO. 8.3-4. Global Positioning System, Sicuro, Vehicle and Personnel Tracking EO. 8.5.6. Satellite Phone, Thuraya, VHF, UHF Radio, Motorola GP340 Radio and GM360 Radio EO. 8.7. Basic Voice Procedures	1	8
<b>TOTALS</b>	<b>4</b>	<b>26</b>

**Table 13:** APPF attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Weapon Training - Stripping & Assembly, Cleaning	3	24
Vehicle/Walking Drills	1	4
Vehicle Winterisation Training	2	15
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On - IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's	1	7

EO. 5.8. Cross Deck - Actions On - IA's		
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On - IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's EO. 5.8. Cross Deck - Actions On - IA's	1	8
EO. 4.1 AK 47 Weapon Handling Test EO. 4.3 Pistol Firing Positions EO. 4.5 AK47 Load, Unload and Function Test EO. 4.12 AK47 Strip, Assemble and Cleaning EO. 4.13 AK47 Normal Safety Precautions	1	8
EO. 4.4 Tourniquet	1	8
MAGIED's Actions On, SOP's & Characteristics	1	8
EO. 4.12 AK47 Strip, Assemble and Cleaning	1	8
EO. 2.1 Static - Actions On - IA's - SAF, IDF, IED EO. 2.2 Mobile - Actions On - IA's - SAF, IDF, IED	1	8
<b>TOTALS</b>	<b>13</b>	<b>98</b>

**Table 14:** Drivers attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Vehicle Husbandry & Severability 100% Checks	4	29
Vehicle/Walking Drills	1	4
Vehicle Winterisation Training	2	16
Training Objective No 5. EQUALS Standard Operating Procedures: EO. 5.3. Movement on Foot - Actions On - IA's - SAF, IDF, IED EO. 5.4. Movement by Vehicle - Actions On - IA's - SAF, IDF, IED EO. 5.5. Check Point - Actions On - IA's EO. 5.6. Ambush - Actions On - IA's EO. 5.7. Vehicle Break Down - Actions On - IA's EO. 5.8. Cross Deck - Actions On - IA's	2	16
50% Vehicle & Equipment Checks, Stowage of Equipment	1	8
Magnetic IED (MAGIED) Actions On, SOP's & Characteristics	1	8
Vehicle & CES Checks/Fault reporting	2	16
EO. 2.1 Static - Actions On - IA's - SAF, IDF, IED EO. 2.2 Mobile - Actions On - IA's - SAF, IDF, IED	1	8
<b>TOTALS</b>	<b>14</b>	<b>105</b>

**Table 15:** PRMC Operations Room Supervisor attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Watch Keeper Roles/Responsibilities	1	2
Documentation Checks, Vehicle Fault & Damage Reports	2	4
Sicuro Tracker Platform Functions	2	2
<b>TOTALS</b>	<b>5</b>	<b>8</b>

### **Nakhil Risk Management Company (NRMC)**

- Two hundred and fifteen (215) guard parades, five hundred and seventy nine (579) post visits and seven hundred and fifty six (756) QA/QC checks were conducted by the Site Security Team and the officer on duty.
- NRMC manning is contractually correct, where the breakdown of RMC personnel is as follows:
  - o Ten (10) RMC expats, four (4) RMC Host Country National (HCN) Interpreters.
  - o Operating with three (3) Armoured Vehicles (Level C (III)) provided by EQUALS and thirty one (27) soft-skin vehicles provided by NRMC.
- Reduction of services for NRMC at Camp Liz instructions were issued to Country Operations Manager Mr Schalk Spies, NRMC.
- As per the above notification, EQUALS received NRMC's Equitable Downward Price Proposal (dated 16 November 2015) on 18 November 2015 from NRMC Country Operations Manager.
- Contracted Soft Skin Vehicle Fleet, thirty one (31) was reduced in quantity to twenty seven (27) on 17 December 2015.
- Sicuro Axtaris Units, twenty nine (29) were reduced in quantity to twenty three (23) on the 17 December 2015.
- The training program for EQUALS Expats, APPF and RMC is ongoing. The RMC and APPF conduct daily training. The concept of "train the trainer" has been utilized, where the RMC train the APPF Officers, NCOs and Supervisors who in-turn train the APPF Guards whilst being mentored and monitored by the RMC.
- All training records, attendances registers, and PowerPoint Presentations are stored in the Camp Liz Security, NRMC shared drive and support the Training Objectives set out in the Program Security Plan (PSP). All safety and security training is monitored and formally recorded in accordance with NRMC Training Directive.

### **Tracking, Sicuro Track:**

- All Sicuro Axtaris Units (23) (vehicle mounted and man portable) are online and functioning correctly.
- Monthly panic alarm tests were conducted on 22 October 2015, 6 November 2015, 4 December 2015, with all tests passing.
- Sicuro Axtaris Units, six (6) were back loaded to Kabul for disposition by USAID.
- All Track24, ten (10) units were back loaded to Kabul for disposition by USAID.

### **RMC Visas, Work Permits, Licenses and Passes:**

- AISA RMC License is valid until on 8 February 2016.
- AISA Logistic License is valid until on 19 February 2016.
- MOI RMC License is valid until 18 February 2016.
- Expat MOI Weapons Registration is valid until 21 June 2016.
- Communication License in process with APPF, ongoing.
- APPF Weapon Movement Authorization Letter, applied for as and when road movements dictate.

**Table 16:** Armored Vehicle Level C (III) License, Run out Date (RoD) as below:

*\*Instructions were received that the date mentioned will not be changed and will remain open till the end of the program.*

<b>Vehicle CS</b>	<b>Vehicle Color</b>	<b>Vehicle Registration</b>	<b>Green Book ROD</b>	<b>Armored/MOI ROD</b>
V11	Blue	KBL-M-2492	04May2011	07Dec16
V12	Black	KBL-M-2496	04May2011	07Dec16
V13	Gold	KBL-M-2497	04May2011	11Aug16

**Table 17:** Armoured Vehicle Level C (III), returned to USAID as per Disposition Instructions

<b>Vehicle CS</b>	<b>Vehicle Color</b>	<b>Vehicle Registration</b>	<b>Green Book ROD</b>	<b>Armored/MOI ROD</b>
V1	Brown	KBL-M-182	NA	NA
V2	Brown	KBL-M-184	NA	NA
V3	Silver	KBL M-191	NA	NA
V5	Black	KBL-M-198	NA	NA

**Table 18: NRMC Compliance:**

Position	Name	Visa Type	Visa ROD	MOI Regist'n No	Work Permit ROD	Weapon Author'n
TV1	Barry Killian	MEV	06/09/2016	2726110000501	03/02/2016	Yes
TV2	Deon Cloete	MEV	02/29/2016	2714110000498	03/02/2016	Yes
ComC	Ian Janse Van Rensburg	MEV	05/09/2016	2714110000630	10/14/2016	Yes
ComC	Snoeks Nieuwoudt	MEV	02/04/2016	2726110000525	04/03/2016	Yes
MTC	Simon Walters	MEV	02/29/2016	2714110000570	06/16/2016	Yes
MTC	Sarel Venter	MEV	01/14/2016	2714110000572	06/14/2016	Yes
MPC	Philip De Wet	MEV	02/29/2016	2714110000507	03/10/2016	Yes
MTC Relief	Pieter Steenekamp	MEV	02/10/2016	2726110000508	03/10/2016	Yes
MTC	Edwin Van Dyk	MEV	02/04/2016	2714110000523	04/03/2016	Yes
MPC	Ferdi Oberholzer	MEV	03/14/2016	2714110000569	06/16/2016	Yes
MPC	Manna Le Roux	MEV	02/04/2016	2714110000526	04/03/2016	Yes

**Table 19: IRD Expats attended the following training:**

Training Provided	Frequency	Number Attended
Situational Awareness	1	2
MST – IA Vehicle Contact Drills	1	3
Incident Reporting	1	3
Medical – Patient Shock Treatment	1	3
Small Arms Characteristics and Safe Handling	1	3
Medical - AED	1	3
<b>TOTALS</b>	<b>6</b>	<b>17</b>

**Table 20: IRD National staff attended the following training:**

Training Provided	Frequency	Number Attended
Situational Awareness	1	24
MST – IA Vehicle Contact Drills	1	4
MST – Cross Decking	1	2
Vehicle Inspection	1	2

MST – IA Vehicle Contact Drills	1	4
MST – Vehicle Drills – Tire Changing	2	4
<b>TOTALS</b>	<b>7</b>	<b>40</b>

**Table 21:** APPF attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Road Mission MST	30	516
QRF/Surveillance Road Missions	38	592
Medical	29	516
Base Maintenance	10	198
Weapon Familiarization	30	294
Situational Awareness	14	84
Weapon Maintenance	4	52
Range Day	1	4
MST IA Drills	7	132
Discipline	4	52
Vehicle Inspection	5	56
Base Defense Plan	9	58
IA Drills - ECPs	3	40
Threat and Risk Assessment	2	16
Correct Incident Reporting Procedures	1	21
MST – Road Movement Vehicle Formations	1	10
MST – Close Protection Formations	1	15
Vehicle Maintenance	1	8
Entrance Command and Control - ECPs	2	21
Body and Vehicle Search - ECPs	3	27
<b>TOTALS</b>	<b>195</b>	<b>2712</b>

**Table 22:** NRMCM attended the following training:

<b>Training Provided</b>	<b>Frequency</b>	<b>Number Attended</b>
Weekly Training Planning	8	56
Vehicles – Maintenance/Inspection	15	148
Weapon Familiarity	1	8
Base Defense Plan	1	10
Medical – Clinic Procedures	1	2
<b>TOTALS</b>	<b>26</b>	<b>224</b>

### 2.2.1 A. Security Salient Issues and Concerns

- The 31 listed SIRs have been uploaded onto the IRD Incident Management System (IMS) Portal and placed in circulation with EQUALS program management, IRD Office of Risk Management & Global Security and USAID PLSO key personalities:
  - i. NRMCM SIR 1194 (TIER I) GWSP 2015 000100 - IDF on Camp Liz - Km 43.
  - ii. NRMCM SIR 1195 (TIER I) GWSP 2015 000101 - IDF on Camp Liz - Km 43.
  - iii. NRMCM SIR 1196 (TIER I) GWSP 2015 000102 - IDF on Camp Liz - Km 43.
  - iv. NRMCM SIR 1197 (TIER I) GWSP 2015 000103 - IDF on Camp Liz - Km 43.
  - v. NRMCM SIR 1198 (TIER I) GWSP 2015 000104 - IDF on Camp Liz - Km 43.
  - vi. NRMCM SIR 1199 (TIER I) GWSP 2015 000105 - IED found by ANP - Km 29+500.
  - vii. NRMCM SIR 1200 (TIER II) GWSP 2015 000109 - Attack on ANSF - Km 27 to Km 29.
  - viii. NRMCM SIR 1201 (TIER II) GWSP 2015 000110 - Dispute between ANA and LNs - Km 50.
  - ix. NRMCM SIR 1202 (TIER I) GSWP 2015 000112 - IDF on KPF - Km 41.
  - x. NRMCM SIR 1203 (TIER II) Attack on KPF Observation Post - Km 41.
  - xi. NRMCM SIR 1204 (TIER I) GSWP 2015 000117 - APPF Guard on AWOL and Unsuspecting death - Km 43.
  - xii. NRMCM SIR 1205 (TIER I) GSWP 2015 000126 - Vehicle Accident– Km 48.
  - xiii. IRD SIR 0004 GSWP-2015-000111 Staff Mugging - Initial.
  - xiv. IRD SIR 0004 GSWP-2015-000114 Staff Mugging - Final.
  - xv. IRD SIR 0005 GSWP-2015-000119 Various INS Activity, IED, SAF - Initial.
  - xvi. IRD SIR 0005 GSWP-2015-000120 Various INS Activity, IED, SAF - Supplement 1.
  - xvii. IRD SIR 0005 GSWP-2015-000127 Various INS Activity, IED, SAF - Supplement 2.
  - xviii. IRD SIR 0006 GSWP-2015-000129 Various INS Activity, IED, SAF - Supplement 3.
  - xix. IRD SIR 0006 GSWP-2015-000132 Various INS Activity, IED, SAF - Final.
  - xx. IRD SIR 0007 GSWP-2015-000133 IED Clearance Operation by ANA - Final.
  - xxi. IRD SIR 0008 GSWP-2015-000134 Kidnap of LN Drivers x 2 - Initial.
  - xxii. IRD SIR 0008 GSWP-2015-000135 Kidnap of LN Drivers x 2 - Supplement.

- xxiii. IRD SIR 0009 GSWP-2015-000-138 RCIED, Minor injury to 3 x FMCC Employees - Final.
- xxiv. IRD SIR 00010 GSWP-2015-000-142 SAF Attack - Final.
- xxv. IRD SIR 00011 GSWP-2015-000-146 SAF Attack -Final.
- xxvi. IRD SIR 00012 GSWP-2015-000-147 SAF Attack - Final.
- xxvii. IRD SIR 00013 GSWP-2015-000-148 SAF Attack - Initial.
- xxviii. IRD SIR 00013 GSWP-2015-000-148 SAF Attack - Supplement.
- xxix. IRD SIR 00013 GSWP-2015-000-148 SAF Attack - Final.
- xxx. IRD SIR 00014 GSWP-2015-000-149 VBIED IVO Kabul Airport - Final.
- xxxi. IRD SIR 00015 GSWP-2015-000-154 SAF Attack - Final.

### **2.2.1 C. Future Activities**

- Continue with weekly Camp Liz Close Out meeting, coordination in regards to close out of Camp Liz and the organization of security provisions to related tasks.
- Continue with bi-weekly Kabul Close Out meeting, coordination in regards to close out of Kabul Main Office and the organization of security provisions for related tasks.
- Drawdown of NRMC contracted services.
- Continual assessments of security procedures and update of the Security Risk Assessment (SRA) database to ensure all venues visited by IRD staff are routinely inspected and meet EQUALS security standards.
- Continue with routine weekly trips to Kajaki Dam Unit 2 Project site visit via Kandahar, and AMTEX.
- Continue with security equipment accountability and serial number checks in Camp Liz and Kabul Main Office.
- Continue back loading of non-essential security equipment from Kabul main office via the Logistics Department as per disposition instructions from USAID.
- Continue back loading of sensitive items from Camp Liz via the Logistics Department as per disposition instructions from USAID.
- Continue with regular visits, Key Leader Engagements (KLE) and shuras with the District Centre (DC) Sub Governors, the ANP, ANA and KPF Commanders in Camp Liz Area of Responsibility (AOR) to maintain relationships.
- Daily meetings between PRMC, NRMC and PSRM to continue.
- Continuous training and mentorship of APPF at both locations, Camp Liz and Kabul.

## **2.3 Human Resources (HR)**

### **2.3.1 HR Accomplishments**

In addition to routine duties, the HR team accomplished the following during this quarter:

- Processed HR documents for one new expat.
- Created email accounts for the newly hired local and expat staff.
- Contract termination/retrenchment letters were issued for twenty seven local staff members.
- Conducted annual/probationary performance appraisals for all eligible staff.
- Prepared contract amendments/salary increment and promotion letters.
- Recruited 3 staff members (one expat and two national):
  - Nick Knowles, Program Risk & Security Manager.
  - Mohammad Munir Shafizada, Junior Accountant.
  - Sayed Omer, Road Field Engineer (rehired).

- Six (6) Staff members demobilized/resigned:
  - Mohammad Farjad Mirzad, Junior Accountant, last working day was October 10, 2015.
  - Abdul Qayum Zazai, Deputy Transportation Team Lead, last working day was October 10, 2015.
  - Gary Moxon, Program Risk & Security Manager, last working day was November 15, 2015.
  - Ajmal Sherzai, Reports Officer, last working day was November 21, 2015.
  - Hedayatullah Mayar, Mechanical QA Engineer, last working day was December 17, 2015.
  - Garikai Crispen Mpande, GIRoA Infrastructure Data Center Manager, last working day was December 27, 2015.
  
- Twenty three (23) staff members were retrenched:
  - 15 October 2015:
    - Abdul Wahid Khalid, Operations Manager.
    - Khisraw Hedayat, Transport Supervisor.
    - Shah Mohammad, Mechanic (Handy Man).
    - Sayed Omar Hamkar, Laundry Attendant.
    - Mohammad Edres, Local National Cook.
    - Mir Zaman, Road Engineer.
    - Mohammad Rafiq Arefy, Road Engineer.
    - Sayed Omer, Road Field Engineer.
    - Ahmaddudin Shams, Survey Rodman.
  
  - 29 October 2015, Masihullah Wahidi, Security Finance Manager.
  
  - 17 November 2015:
    - Nida Mohammad, Driver.
    - Ghulam Sakhi, House Attendant/DEFAC.
    - Asadullah, Cleaner, last working day was November 17, 2015
    - Yousuf Shah, Community Outreach Officer.
    - Sayed Jamaluddin, G-K QA Construction Manager.
    - Ahmad Suliman Jameel, Document Archive Manager.
    - Faridullah, Lab Attendant.
    - Fazal Mohammad Haidari, Senior Road Engineer.
    - Noor Said, Survey Crew Chief.
    - Mohammad Naqeeb Ahmadzai, Senior Road Engineer.
    - Nasir Rahman Hiwad, Bridge Engineer.
  
  - 31 December 2015:
    - Abdul Hafeez, Finance Accountant Officer.
    - Mohammad Sadiq, Senior Lab Technician.
  
- Eleven (11) National staff received a salary increase/promotion during this quarter.
  - Abdul Hafeez, Finance Accountant Officer.
  - Zabiullah Barekzai, Senior HR Officer/ Recruiter.
  - Mohammad Naqeeb Ahmadzai, Senior Road Engineer.
  - Sayed Kamal Hashimi, Construction QA Engineer.
  - Akbar Jan Ahmadzai, Construction QA Engineer.
  - Ezatullah Ulfat, Sr. Trainer (Power Plant Assistant).
  - Abdul Wadood Gharsheen, Construction QA Engineer.
  - Mohammad Nader Safi, Road Engineer.
  - Asadullah Noori, Senior Accountant.
  - Abdullah Qaderi, Material Testing Engineer/ Technician.

- Asadullah Azad, Program Reports Manager.

The EQUALS Program had a total of 98 national and expatriate staff members on board at the end of this period. The table below identifies the nationality breakdown.

**Table 23:** The number of National and Expat employees of EQUALS.

Nationality	No
Afghan	84
American	1
UK	4
Indian	2
Greek	1
Filipino	2
Ugandan	1
Nepali	1
Tajikistani	1
Irish	1
<b>Total</b>	<b>98</b>

National staff leave utilization status is shown in the table below:

**Table 24:** National staff Leave Status

Leave Used – October – December 2015	Days
Annual Leave	253.5
Sick Leave	145.5
Comp Time	290.8
Leave Without Pay	14
Additional Leave	5
Family Leave	16
Bereavement Leave	9
Maternity Leave	0
Paternity Leave	0

### 2.3.2 HR Salient Issues and Concerns

None

### 2.3.3 HR Future Activities

Routine activities are planned for the next reporting period.

## 2.4 Logistics

### 2.4.1 Accomplishments

In addition to routine activities, the Logistics Team accomplished the following in 4<sup>th</sup> quarter:

- Prepared Close Out schedule for Camp Liz and prepared inventory lists as instructed.
- Clearance received from 28 Camp Liz retrenched Staff.
- Disposition of surplus items completed and handed over to relevant recipients as per USAID instruction.
- Moved Stock Container from Baron Car Park A to Car Park B.

- Received USAID Disposition Instruction for Camp Liz property: to sell the scrap items; return the gym and excess security equipment are both going to USAID.
- Returned sensitive items USAID.
- Sale of Camp Liz scrap items completed.
- Transferred survey equipment to Ministry of Higher Education.
- Prepared E-top up request and PR for the month of November and December 2015 and January 2016.
- Prepared Postpaid SIM Cards summary and submitted to Procurement for processing
- Processed Camp Liz Requests and PRs for the month of November and December 2015 and January 2016 have been submitted to Procurement Unit for further processing.
- Processed Kabul Office Requests and PRs for the month of November and December 2015 and January 2016 have been submitted to Procurement Unit for further processing.
- Baron Invoice for accommodation and offices prepared and submitted to Procurement.
- Submitted taxation documents of Oct 2015 to Medium Tax Office.
- Expats Visas/Work Permits are all up to date.

#### **2.4.2 Salient Issues and Concerns**

None

#### **2.4.3 Future Activities**

- Identification of activities for Kabul Office close out plan.
- Routine activities are scheduled for the next reporting period.

### **2.5 Communications and Information Technology**

#### **2.5.1 Accomplishments**

In addition to routine activities, the IT Team accomplished the following during the 4<sup>th</sup> quarter:

- Re-located the Security Ops Room network system.
- Re-installed office Internet.
- The Camp Liz monthly data & retrenched employee profiles were backed up.
- Back up of staff data to the server conducted on a regular basis.
- The follow up on Camp Liz close-out is going on and the IT team finished the sanitization of computers for the retrenched employees.
- Working on sorting files for EQUALS DATA to be sent to IRD/HQ for disaster recovery.
- Performed sanitization of spare server computers to make them ready for disposal.
- Close out procedure was explained through a skype call to Camp Liz IT section.
- Communicated with IRD HQ on sensitive IT equipment disposal.
- The mirroring of EQUALS archived data for HQ is ongoing.
- The mailbox size for four (4) employees have been upgraded to 100 GB package.
- Routine activities.

#### **2.5.1 A Salient Issues and Concerns**

- None.

#### **2.5.1 B Future Activities**

- Kabul Office close out plan and
- As per Chief of Party instruction, the EQUALS data backup (Disaster Recovery backup) to be moved to IRD/KFZ project for safekeeping at the off-site location.
- Routine activities are scheduled for the next reporting period.

## **2.6 Transportation**

### **2.6.1 Accomplishments**

In addition to routine activities, the Transportation Team accomplished the following during this period:

- Seven (7) Armored Vehicles permits were renewed.

### **2.6.2 Salient Issues and Concerns**

- None

### **2.6.3 Future Activities**

- Routine activities are planned for the next reporting period.

## **2.7 Travel**

### **2.7.1 Accomplishments**

In addition to routine activities, the Travel Team conducted the following in 4<sup>th</sup> quarter:

- Submitted all pending invoices of Travel Unit for the month of October, November and December to Finance.
- Processed and booked all domestic flights for nationals and expats.
- Expatriate staff Travel authorizations sent to HQ for flight bookings.

### **2.7.2 Salient Issues and Concerns**

- None

### **2.7.3 Future Activities**

- Routine activities are planned for the next reporting period.