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# USAID ENERGY POLICY PROGRAM

## SITE VISIT REPORT GOMAL ZAM MULTIPURPOSE DAM PROJECT



**November 2011**

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## SITE VISIT REPORT

### GOMAL ZAM MULTIPURPOSE DAM PROJECT

Submitted on: November 25, 2011

Contract No: AID-EPP-I-00-03-00004

Order No: AID-391-TO-12-00002

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## 1. PURPOSE of VISIT

A field visit to Gomal Zam Multipurpose Dam Project was conducted through Nov 21 to 23, 2011 by a Senior Energy Expert from USAID Energy Policy Project to verify the completion of works and current status on the main dam, powerhouse and transmission line and other related works. The field visit was important as it relates to expediting the completion of project under the USAID funding.

## 2. STATUS of WORKS COMPLETED

For the purpose of verifying works completed on the Gomal Zam project, Mr. Saleem Paracha Senior Energy Expert from USAID Energy Policy project reviewed the monthly progress reports of Management Consultants at project office and inspected the project at site for physical verification of completed works.

Amendment no. 1 was signed on Oct. 15, 2011 and the completion dates of remaining milestones were revised due to non availability of sufficient water in the reservoir, causing delays in the testing and commissioning of power house and switchyard.

Following is the brief summary of project works completed and verified up to Nov 22, 2011.

- |  |                |
|--|----------------|
| 1. Main Dam and Spillway concrete and related works: | 100 % complete |
| 2. Completion of mechanical testing of dam fixtures; | 100 % complete |
| 3. Hydropower and Switchyard component:              | 93 % complete  |
| 4. Transmission Line                                 | 85 % complete  |

The EPC contractor suspended works on Dec. 15 due to non- payment of outstanding invoices by WAPDA. Subsequently payments were released in early February 2011 , contractor re-mobilized on Feb. 15 and commenced the construction activities. At present the work is progressing, however due to suspension of works by the EPC contractor, 2010 floods causing major damages to the switchyard and non-availability of sufficient water for testing and commissioning of the hydropower plant, following milestones specified in the Activity Agreement were delayed:

Item # 5 – Hydropower & Switchgear Component - 100% completion expected on June 30, 2012 instead of May 31, 2011.

Item # 7 – Transmission Line – 100 % completion expected on April 30, 2012 instead of June 30, 2011.

Item # 8a – Final Completion of all Works expected on August 30, 2012 instead of Oct. 31, 2011.

WAPDA and contractor promised to expedite the construction activities and achieve the final completion date of August 30, 2012 as specified in the Amendment no. 1 of the Activity Agreement signed on October 15, 2011.

The main dam and Spillways construction completed on July 25, 2011 and WAPDA reimbursement request # 4 was verified on July 28 and forwarded to Office of Energy for approval. On the powerhouse side, cable pulling and cleaning of the turbine runners and other parts affected by the floods were in progress. The installation of transmission line towers were also in progress and have been installed on an area of 54 km (85 % completion achieved) starting from the Tank Grid station to the powerhouse. The closure of diversion tunnel and reservoir filling started on March 30, 2011 and

at present the water level was 75 meters high in the reservoir and 9 meters above the power intake. Outflow from the bottom outlet was higher than the inflow to meet the water rights of the downstream farmers. Project site photographs taken on Nov 22, 2011 showing the progress of the works are in the attached file.

During the visit it was verified that works completed and in progress are supervised by certified engineers of the Gomal Zam management consultants in accordance with the approved specifications and applicable standards. It was also verified that the quality of works were in accordance with the applicable standards and specifications.

**Muhammad Salim Paracha**  
**Senior Energy Expert**  
**USAID Generation and Transmission Improvement Project, Islamabad**

