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# USAID ENERGY POLICY PROGRAM

## SITE VISIT REPORT GOMAL ZAM MULTIPURPOSE DAM PROJECT



**May 2011**

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## SITE VISIT REPORT

### GOMAL ZAM MULTIPURPOSE DAM PROJECT

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

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## 1. PURPOSE of VISIT

A field visit to Gomal Zam Multipurpose Dam Project was conducted through May 17 - 19 by a Senior Energy Expert from USAID Generation and Transmission Improvement Program 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 the 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 and inspected the project on site for physical verification of completed works.

Following is the brief summary of project works completed and verified up to May 15, 2011.

- |  |               |
|--|---------------|
| 1. Main Dam and Spillway concrete and related works: | 97 % complete |
| 2. Hydropower and Switchyard component:              | 91 % complete |
| 3. Transmission Line                                 | 50 % complete |

The EPC contractor suspended works on Dec. 15 due to non- payment of outstanding invoices by WAPDA. Subsequently payments were released in early Feb. and contractor re-mobilized on Feb. 15 and commenced the construction activities. At present the work is progressing, however due to suspension of works the following milestones specified in the Activity Agreement are delayed;

Item # 4 – Main Dam and Spillways concrete and related works – 100% completion expected on June 30, 2011 instead of March 31, 2011.

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

WAPDA and contractor promised to expedite the construction activities and achieve the final completion date of October 31, 2011 as specified in the Activity Agreement.

The main dam is in the final stages of completion and the placement of Roller Compacted Concrete ( RCC ) on left abutment was completed to its maximum level of 763 meters. Work on the right abutment has already been completed to its maximum level of 763 meters. The construction of bridge girders on the spillway piers were in progress and it is expected that the 100 % completion of main dam and spillways will be achieved by end June 2011. 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 30km (50 % 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 44 meters in the reservoir. Outflow from the bottom outlet was higher than the inflow to meet the water rights of the downstream farmers. The site photographs taken on May 18, 2011 showing progress of works are in the share folder.

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**

