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# USAID ENERGY POLICY PROGRAM

## MONTHLY REPORT JUNE 2012 REHABILITATION OF TARBELA HYDROPOWER PLANT

USAID: TARBELA FIXED AMOUNT REIMBURSEMENT AGREEMENT

**July 2012**

*This program is made possible by the support of the American people through the United States Agency for International Development (USAID)*

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Contract No: AID-EPP-I-00-03-00004  
Task Order 08

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### **DISCLAIMER**

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### Rehabilitation of Tarbela Hydropower Plant under FARA:



Unit 3 at Tarbela Power Plant upon completion

A monitoring visit was conducted at the Tarbela Power Plant to verify the progress of ongoing repair and rehabilitation works. The Replacement of generator windings was completed at units 1, 3 & 4, which added a capacity of 128 MW to the national grid. Spare seals & guides for relief and bypass valves on turbine side at units 1-10 have already been installed. The installation of drainage and unwatering pumps is progressing as scheduled. Procurement of digital governors and a SCADA system is under way.

During June, WAPDA's claim of \$ 370,000 for installation of windings at unit 3 was verified and submitted to USAID/ENR for approval and further processing.

Amendment-I of the Tarbela FARA, has revised the completion date of the project to December 31, 2012. Of the \$16.5 million USG funding committed for Tarbela, total disbursement as of June 2012 is \$10,879,917.

The current status of the Tarbela FARA is tabulated below:

LINE ITEM #	UNIT #	WORK ITEM DESCRIPTION	AMOUNT (USD)	CLAIMS SUBMITTED (USD)	PRESENT STATUS
1	4	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#4	3,700,000	3,700,000	Work completed and 100% amount reimbursed
2	3	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#3	3,700,000	2,849,917	Installation of windings completed on May 25, 2012. 90% amount-less spares- has been reimbursed. WAPDA has placed PO for the spares.
3	1	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#1	3,700,000	3,700,000	Work completed and 100% amount reimbursed
4	1-14	Upgrading of the SCADA System, Units 1-14	1,000,000		New SCADA system is under manufacture with ABB and shipment is expected in October 2012
5	1-10	Spare Seals & Guides for Relief & Bypass Valves on Turbine Side, Units 1-10	500,000	500,000	Installation completed on all units. 100% amount has been disbursed to WAPDA.
6	1-10	Replacement of Electromechanical Governors by Digital Ones, Unit 1-10	3,000,000		Inspection of digital governors completed by WAPDA engineers at GE USA. Governors are scheduled to be shipped

					from GE USA in July 2012
<b>7</b>	<b>I-10</b>	Replacement of Worn out Station Drainage & Dewatering Pumps, Units I-10	400,000		New Station Drainage Pumps received at Tarbela and installation is in progress
<b>8</b>		Training	500,000	<b>500,000</b>	20 engineers from Tarbela power station have completed training on O&M in Switzerland. 100% amount disbursed to WAPDA.
<b>Total</b>			<b>16,500,000</b>	<b>11,249,917</b>	

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