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# USAID ENERGY POLICY PROGRAM

## MONTHLY REPORT AUGUST 2012 REHABILITATION OF TARBELA HYDROPOWER PLANT

USAID: TARBELA FIXED AMOUNT REIMBURSEMENT AGREEMENT

**September 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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## REHABILITATION OF TARBELA HYDROPOWER PLANT

USAID: TARBELA FIXED AMOUNT REIMBURSEMENT AGREEMENT

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:**

Rehabilitation work under the Tarbela FARA is anticipated to go beyond the completion date of December 2012 due to the delay in procurement of two items, as discussed below. As requested by EPP, WAPDA has provided a detailed reasoning for the delay and requested for an extension in the FARA completion date:

(1) The Digital Governors were shop tested by WAPDA Engineers at GE Works, USA and are scheduled for shipment in October 2012. The installation and commissioning of the Digital Governors on Units 1 – 10 is scheduled to be commenced in the lean water period between Nov 2012 to June 2013, subject to the availability of shutdown. Therefore, this activity is anticipated to be completed in June 2013;

(2)The SCADA System was awarded to ABB Sweden in August 2012 with a completion period of 14 months. Therefore, the testing and commissioning of this activity is scheduled to be completed in October 2013.

Under Amendment-I of the Tarbela FARA the completion date of the project was revised to December 31, 2012. Of the \$16.5 million USG funding committed for Tarbela, total disbursement as of August 2012 is \$11,249,917.

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. 100% 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		SCADA System was awarded in early August 2012 with a completion period of 14 months. Therefore, the testing and commissioning of this activity is scheduled to be completed in October 2013
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.

LINE ITEM #	UNIT #	WORK ITEM DESCRIPTION	AMOUNT (USD)	CLAIMS SUBMITTED (USD)	PRESENT STATUS
6	1-10	Replacement of Electromechanical Governors by Digital Ones, Unit 1-10	3,000,000		Digital Governors were inspected by WAPDA Engineers at GE, USA and are scheduled for shipment in October 2012(the initial delivery date was August 2012). The installation and commissioning of the Digital Governors on Units 1 – 10 is anticipated to be completed in June 2013
7	1-10	Replacement of Worn out Station Drainage & Dewatering Pumps, Units 1-10	400,000		Installation completed on all units.
8		Training	500,000	500,000	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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