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MONTHLY REPORT APRIL 2012 REHABILITATION OF TARBELA HYDROPOWER PLANT

USAID: TARBELA FIXED AMOUNT REIMBURSEMENT AGREEMENT

May 2012

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

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Rehabilitation of Tarbela Hydropower Plant under FARA:

A field visit was conducted by EPP expert on April 5, 2012 to monitor the progress on unit # 3 winding and installation of new seals for relief and bypass valves. The replacement of winding is expected to complete in May 2012, which will add another 10 MW capacity gain. A total of 118MW have already been achieved with installation of new modernized winding at Unit 1 & 4. Spare Seals & Guides for Relief and Bypass Valves on Turbine Side at Units 1-10 installed during the reporting month. Procurement of remaining equipment pumps, digital governors and SCADA system is under process.

EPP verified WAPDA claims of \$ 50,000 for installation of Spare Seals & Guides for Relief and Bypass Valves on Turbine Side at Units 1-10 and \$ 250,000 for the completion of Training and forwarded the claims to USAID Energy Office for approval and further processing.

To ensure environmental compliance and implementation of EMMP, EPP contracted an engineering firm which carried out a site visit on April 5, 2012. During the audit observations were made and issues were shared with the plant management to take necessary corrective actions. A follow up visit is scheduled for next month. An environmental audit report has been submitted to the USAID/ENR.

Amendment-I of the Tarbela FARA, revised the completion date to December 31, 2012. Out of the \$16.5 million assistance amount committed for Tarbela, total disbursement as of April 2012 is \$10,579,917.

The schedule of status for the Tarbela FARA is tabulated below:

LINE ITEM #	UNIT #	WORK ITEM DESCRIPTION	AMOUNT (USD million)	PRESENT STATUS
1	4	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#4	3.7	Work completed and 100% amount reimbursed
2	3	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#3	3.7	Installation of winding is in process and expected to complete in May 2012. 90% amount has been reimbursed
3	1	Replacement of Damaged Generator Stator Windings with Class F Insulation Windings, Unit#1	3.7	Work completed and 100% amount reimbursed
4	1-14	Upgrading of the SCADA System, Units 1-14	1.0	New SCADA system is under manufacturing with ABB and shipment is expected in October
5	1-10	Spare Seals & Guides for Relief and Bypass Valves on Turbine Side, Units 1-10	0.5	Installation completed on all units. 90% amount reimbursed and 10% claim is in process with USAID
6	1-10	Replacement of Electromechanical Governors by Digital Ones, Unit 1-10	3.0	Governors are scheduled to be shipped from GE USA in May 2012

7	I-10	Replacement of Worn out Station Drainage and Dewatering Pumps, Units I-10	0.4	New Station Drainage Pumps received at Tarbela and replacements of old pumps have been started Unwatering pumps are scheduled for shipment in May 2012.
8		Training	0.5	20 WAPDA engineers from Tarbela power station have completed training on hydropower maintenance and operations in Switzerland. 50% Amount reimbursed and remaining 50% Claim is in process with USAID
Total Allocated Amount			16.5	

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