



FACT SHEET

December, 2015

Tarbela Hydroelectric Power Station Rehabilitation Project-II

Geographic Focus	National, Project located in Khyber Pakhtunkhwa
Implementing Partner	Water and Power Development Authority (WAPDA)
Funding	\$25.0 Million
Dates	Aug 2014 – Dec 2017

Major works under Tarbela Repair & Rehabilitation (Phase-I) project are completed, and as a result 128 MW have been achieved. Going forward, efforts are now focused on ensuring long-term sustainability and reliability of power plant. Upon GOP's request, USAID is partnering with the Government of Pakistan to contribute another \$25 million for the rehabilitation of additional units.

Completion of the phase II project will add 20 MW capacity to the national grid and produce about 60 GWh/year of electricity, which is sufficient to supply electricity to 185,240 individuals. The replacement of equipment's will also add to the reliability and sustainability, and enhance the life of Tarbela hydro power plant by at least 15-20 years.



Tarbela hydroelectric Power Station

Objectives

- Mitigate Pakistan's energy shortage by restoring 20 MW to the national grid through rehabilitating the power station and enhance the reliability and sustainability of the power plant.

Main Components

- Procurement of Generator Surface Air Coolers for Units 1- 4 & 11-14.
- Procurement & Installation of 60 Ton Truck Mounted Mobile Crane.
- UP- Gradation of Static Exciter of Units 5-8
- Replacement of the Existing Rotary Excitation System with Static Excitation System for Units 1- 4
- Design, manufacturing, model testing and supply of Stainless Steel Runner for Unit 5-8
- Procurement & Installation of Screw Type Compressors for Units 1-10
- Rehabilitation of Electric Overhead Travelling (EOT) Cranes for Unit No.1-10
- Design, Manufacturing, Supply, Erection, Testing and Commissioning of 220KV SF6 Circuit breakers along-with 220KV Disconnecter Switches and other associated auxiliaries at 500/220KV Tarbela Switchyard

Status/Actions Needed

- WAPDA has already placed purchase orders for major equipment that includes Generator Surface Air Coolers, Mobile Crane, Static Exciter, EOT crane.
- Project Implementation Letter (PIL) signed in September 2015, which will help in disbursement of \$3.7 million for the procurements already completed and installed.