Early Warning System

ADB-48078-004

MFF Power Transmission Enhancement Investment Program II Tranche 2

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Quick Facts

Countries	Pakistan
Financial Institutions	Asian Development Bank (ADB)
Status	Approved
Bank Risk Rating	B
Voting Date	2017-09-29
Borrower	Government of Pakistan
Sectors	Energy
Investment Type(s)	Loan
Loan Amount (USD)	$ 260.00 million
Project Cost (USD)	$ 345.00 million

Project Description

Tranche 2 will expand 220 kilovolts (kV) transmission system in Sindh and Balochistan provinces to remove transmission network bottlenecks in the system and to enable the network to handle the expected future loads. It will also adopt high level technology to upgrade supervisory control and data acquisition (SCADA) system cross the national grid to enable the transmission system operator, NTDC, to monitor and control the grid in real-time and prevent or reduce the duration of outages in the network, thus increase grid stability, reliability and resilience to accommodate more intermittent renewable energy. It will also feed computerized metering data complying with the Grid Code into the system for settlement (SFS) of the market operator, CPPA-G, to streamline revenue collection, billing and payment processes, and create a foundation for a future energy trading platform.

PROJECT RATIONALE AND LINKAGE TO COUNTRY/REGIONAL STRATEGY

A reliable and sustainable energy sector is essential to the economic growth and wellbeing of Pakistan. Load shedding has become common and severe, leading to civil strife and factory closures. Over one-third of the population does not have access to grid electricity which lessens opportunities for inclusive growth. Chronic power shortages are estimated to have reduced gross domestic product (GDP) growth by at least 2% in 2012 and 2013, and are considered the major cause of the slowdown in large-scale manufacturing, which grew at only 1.1% in fiscal year (FY) 2012 and 4.1% in FY2013.

This proposed investment program will continue to support NTDC to improve power transmission infrastructure and management in Pakistan by building on the work completed under the Power Transmission Enhancement Investment Program (MFF-0007).

IMPACT

Transmission infrastructure improved, and energy market transparency and efficiency improved.

CONSULTING SERVICES

The recruitment of consultants will follow ADB Guidelines on the Use of Consultants (2013, as amended from time to time), using quality- and cost-based selection method with 90:10 quality/cost weighting.

PROCUREMENT

Projects will be procured through international competitive bidding following ADB s Procurement Guidelines (2015, as amended from time to time).

Investment Description

- Asian Development Bank (ADB)

Contact Information

ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: http://www.adb.org/site/accountability-mechanism/main

Bank Documents

- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV DI Khan-Zhob Transmission L [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV DI Khan-Zhob Transmission L [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV Mirpur Khas Substation Draf [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV Mirpur Khas Substation Init [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV Mirpur Khas Substation Init [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: 220 kV Zhob Substation Draft Land [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: New 220 kV Guddu-Shikarpur-Uch-Sib [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: New 220 kV Guddu-Shikarpur-Uch-Sib [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: New 220 kV Guddu-Shikarpur-Uch-Sib [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: NTDC Telecommunication and SCADA S [Original Source]
- Power Transmission Enhancement Investment Program II - Tranche 2: SCADA Phase 3 and Revenue Metering [Original Source]
- Project Disclosure PDF [Original Source]

Other Related Projects

- ADB-48078-002 Second Power Transmission Enhancement Investment Program
- ADB-48078-003 Second Power Transmission Enhancement Investment Program - Tranche 1
- ADB-48078-001 Power Transmission Enhancement Investment Program II
- ADB-48078-005 MFF Power Transmission Enhancement Investment Program II Tranche 3
- ADB-48078-006 Second Power Transmission Enhancement Investment Program (Tranche 4)
- ADB-54111-011 Subproject 6: Strengthening Gender Capacity of Pakistan's National Transmission Company