Early Warning System

ADB-48078-005

MFF Power Transmission Enhancement Investment Program II Tranche 3

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MFF Power Transmission Enhancement Investment Program II Tranche 3

Quick Facts

Countries	Pakistan
Financial Institutions	Asian Development Bank (ADB)
Status	Approved
Bank Risk Rating	A
Voting Date	2018-06-28
Borrower	Government of Pakistan
Sectors	Energy, Infrastructure
Investment Type(s)	Grant, Loan
Investment Amount (USD)	$ 284.00 million
Loan Amount (USD)	$ 280.00 million
Grant Amount (USD)	$ 4.00 million

Project Description

According to the bank website, the project will support the National Transmission & Despatch Company Limited (NTDC) in meeting the electricity demand of 1,150 MW efficiently and reliably at loan centers in Punjab Province by deploying high-level technologies and climate-change-resilient transmission systems. Tranche 3 will support installation of 500 kV substation in Lahore North, 500 kV switching station near Maira, 220 kV substation near Jauharabad, and 194 km of associated new transmission lines in Punjab and reconductoring of 44 km of transmission lines with high-temperature, low-sag (HTLS) conductors near Lahore. Tranche 3 will support the first large-scale grid-connected battery energy storage system (BESS) pilot project in Pakistan, which will provide subsecond frequency regulation. This pilot project will use wind power to help the NTDC comply with frequency requirements in the existing Grid Code, and will supplement the functions of the supervisory-control and data-acquisition system being upgraded under Tranche 2. The BESS pilot project will recommend on the (i) revision of the Grid Code for better frequency compliance; and (ii) development of a commercial ancillary services market. Tranche 3 will promote the deployment of HTLS conductors, which can operate at higher ambient temperatures within the required vertical clearance. Tranche 3 will also support the replacement of porcelain insulators with a fog-resistant type, such as glass or composite insulators, which are expected to perform better in heavily polluted areas.

Investment Description

- Asian Development Bank (ADB)

Contact Information

Responsible ADB Officer Zhang, Lei
Responsible ADB Department Central and West Asia Department
Responsible ADB Division Energy Division, CWRD
Executing Agencies National Transmission & Despatch Company Limited
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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

- MFF Power Transmission Enhancement Investment Program II Tranche 3: 220 kV Jauharabad Sub-station wi [Original Source]
- MFF Power Transmission Enhancement Investment Program II Tranche 3: 500 kV Lahore North Sub-station [Original Source]
- MFF Power Transmission Enhancement Investment Program II Tranche 3: 500 kV Maira Switching Station I [Original Source]
- MFF Power Transmission Enhancement Investment Program II Tranche 3: Environmental Assessment and Rev [Original Source]
- MFF Power Transmission Enhancement Investment Program II Tranche 3: Grid Connected Battery Energy St [Original Source]
- Part 1 (1.48 MB) [Original Source]
- Part 1 (1.78 MB) [Original Source]
- Part 2 (6.57 MB) [Original Source]
- Part 2 (6.68 MB) [Original Source]
- Power Transmission Enhancement Investment Program II, Tranche 3: Grid Connected Battery Energy Stora [Original Source]
- Project Disclosure PDF [Original Source]
- Second Power Transmission Enhancement Investment Program - Tranche 3: 220 kV Jauharabad Substation L [Original Source]
- Second Power Transmission Enhancement Investment Program - Tranche 3: 220 kV Jauharabad Substation L [Original Source]
- Second Power Transmission Enhancement Investment Program - Tranche 3: 500 kV Maira Grid Station Land [Original Source]
- Second Power Transmission Enhancement Investment Program - Tranche 3: 500 kV Maira Grid Station Land [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-48078-004 MFF Power Transmission Enhancement Investment Program II Tranche 2
- 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