



Pakistan: MFF Power Transmission Enhancement Investment Program II Tranche 2

Project Name	MFF Power Transmission Enhancement Investment Program II Tranche 2				
Project Number	48078-004				
Country	Pakistan				
Project Status	Approved				
Project Type / Modality of Assistance	Loan				
Source of Funding / Amount	<table border="1"> <tr> <td colspan="2">Loan 3577-PAK: MFF Power Transmission Enhancement Investment Program II Tranche 2</td> </tr> <tr> <td>Ordinary capital resources</td> <td>US\$ 260.00 million</td> </tr> </table>	Loan 3577-PAK: MFF Power Transmission Enhancement Investment Program II Tranche 2		Ordinary capital resources	US\$ 260.00 million
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Ordinary capital resources	US\$ 260.00 million				
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth				
Drivers of Change	Governance and capacity development Knowledge solutions				
Sector / Subsector	Energy - Electricity transmission and distribution				
Gender Equity and Mainstreaming	No gender elements				
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.				

Project Outcome

Description of Outcome	Coverage, reliability, transparency, and quality of the power transmission service in Pakistan improved.
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Progress Toward Outcome

Implementation Progress

Description of Project Outputs	220kV transmission network augmented and expanded SCADA system upgraded and SFS developed
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Status of Implementation Progress (Outputs, Activities, and Issues)

Geographical Location

Safeguard Categories	
Environment	B
Involuntary Resettlement	B
Indigenous Peoples	C

Summary of Environmental and Social Aspects
Environmental Aspects
Involuntary Resettlement
Indigenous Peoples

Stakeholder Communication, Participation, and Consultation
During Project Design
During Project Implementation

Business Opportunities	
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).

Responsible ADB Officer	Zhang, Lei
Responsible ADB Department	Central and West Asia Department
Responsible ADB Division	Energy Division, CWRD
Executing Agencies	<i>National Transmission & Despatch Company Limited WAPDA House Shahrah-e-Quaid-e-Azam Lahore, Pakistan</i>

Timetable	
Concept Clearance	-
Fact Finding	-
MRM	27 Jun 2017
Approval	29 Sep 2017
Last Review Mission	-
Last PDS Update	03 Oct 2017

Loan 3577-PAK

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	345.00	Cumulative Contract Awards			
ADB	260.00	-	0.00	0.00	%
Counterpart	85.00	Cumulative Disbursements			
Cofinancing	0.00	-	0.00	0.00	%

Project Page	https://www.adb.org/projects/48078-004/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=48078-004
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