



Pakistan: Power Transmission Enhancement Investment Program Tranche 4

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|---|---|---|--|----------------------------|---------------------|---|--|-----------------------------------|--------------------|
| Project Name | Power Transmission Enhancement Investment Program Tranche 4 | | | | | | | | |
| Project Number | 37192-044 | | | | | | | | |
| Country | Pakistan | | | | | | | | |
| Project Status | Active | | | | | | | | |
| Project Type / Modality of Assistance | Loan | | | | | | | | |
| Source of Funding / Amount | <table border="1"> <tr> <td colspan="2">Loan 3203-PAK: Power Transmission Enhancement Investment Program - Tranche 4</td> </tr> <tr> <td>Ordinary capital resources</td> <td>US\$ 248.00 million</td> </tr> <tr> <td colspan="2">Loan 8311-PAK: Power Transmission Enhancement Investment Program Tranche 4</td> </tr> <tr> <td>Agence Francaise de Developpement</td> <td>US\$ 82.50 million</td> </tr> </table> | Loan 3203-PAK: Power Transmission Enhancement Investment Program - Tranche 4 | | Ordinary capital resources | US\$ 248.00 million | Loan 8311-PAK: Power Transmission Enhancement Investment Program Tranche 4 | | Agence Francaise de Developpement | US\$ 82.50 million |
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| Ordinary capital resources | US\$ 248.00 million | | | | | | | | |
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| Agence Francaise de Developpement | US\$ 82.50 million | | | | | | | | |
| Strategic Agendas | Inclusive economic growth | | | | | | | | |
| Drivers of Change | Knowledge solutions Partnerships | | | | | | | | |
| Sector / Subsector | Energy - Electricity transmission and distribution | | | | | | | | |
| Gender Equity and Mainstreaming | No gender elements | | | | | | | | |
| Description | ADB approved a multitranche financing facility (MFF) for the Power Transmission Enhancement Investment Program on 13 December 2016 for an amount not exceeding \$800 million. Under tranche 4 the government seeks ADB financing for 10 subprojects covering (i) line bay extension and 281 kilometers (km) of 500-kilovolt (kV) transmission line from the 500-kV Muzaffargarh grid station for electricity evacuation from the 747-MW Guddu power plant; (ii) four new 220-kV grid stations and in/out transmission lines at Chakdara, D.I. Khan, Lalian, and Nowshehra; (iii) installation of a static var system (SVS) at 220-/132-kV Quetta industrial grid station; (iv) extension of 500-kV grid stations at Jamshoro and Gujranwala, and augmentation of 500-kV grid station at Rewat; and (v) the procurement of construction and operational equipment. | | | | | | | | |
| Project Rationale and Linkage to Country/Regional Strategy | The power system needs the new subprojects to meet network demand, safety and security requirements, and to cater for additional generation capacity which is under construction and planned for the future economic growth of Pakistan. Expanding and upgrading the transmission backbone will provide reliable and high-quality supply to meet increasing demand from industrial, commercial, agricultural, and domestic customers. | | | | | | | | |
| Impact | Enhanced power transmission operations and management. | | | | | | | | |

Project Outcome

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| Description of Outcome | An expanded and reliable 500-kV and 220-kV transmission system. |
| Progress Toward Outcome | As of Feb 2017 review mission, remaining 4 of 9 contract packages to be awarded in 2017. Project will be completed within L8311 period ending Dec 2019. |

Implementation Progress

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| Description of Project Outputs | Transmission lines and substations commissioned. |
| Status of Implementation Progress (Outputs, Activities, and Issues) | <p>Target achievable. Contracts awarded for packages ADB-71 and 73. Procurement ongoing for rebid packages ADB-71RA, ADB-71RB, and ADB-71 Shopping with projected CAs by Q3 2017. CA for grid station telecoms eqpt (ADB-81) projected Q3 2017. Procurement for transmission line eqpt (ADB-75) cancelled.</p> <p>Target achievable. Contracts awarded for packages ADB-70, ADB-72R P1 and P2, ADB-77 (except Lot V for rebid), and ADB-78. Procurement ongoing for packages ADB-70R and ADB-70RB (rebid) with CAs projected by Q3 2017.</p> |
| Geographical Location | Lahore, Islamabad |

Safeguard Categories

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| Environment | B |
| Involuntary Resettlement | A |
| Indigenous Peoples | C |

Summary of Environmental and Social Aspects

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|--------------------------|---|
| Environmental Aspects | The tranche's safeguards classifications and requirements are B for environment. |
| Involuntary Resettlement | The tranche is currently classified A for involuntary resettlement, as the Chakdara subproject potentially involves more than 200 significantly affected people. This will be reviewed once the measurement and price assessment of the land is complete and prior to finalization of the LARP. |
| Indigenous Peoples | The tranche's safeguards classifications and requirements are C for indigenous peoples. No subproject under tranche 4 will affect people classified as Indigenous Peoples, as defined by ADB's SPS and by the Indigenous People Development Framework prepared for the project. |

Stakeholder Communication, Participation, and Consultation

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| During Project Design | All consumers (urban, rural, industrial, agricultural, commercial and domestic) connected to the grid are potential beneficiaries; however, their direct participation cannot contribute to the project design. |
| During Project Implementation | Those affected directly by land acquisition and resettlement were closely consulted in preparation of the land acquisition and resettlement plan (LARP) or due diligence reports (DDR) for each subproject as applicable, and will participate in its implementation. |

Business Opportunities

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| Consulting Services | NTDC engaged two international and one national procurement experts, through the project preparation consulting firm, to assist with bid preparation and evaluation. NTDC will engage additional individual consultants to help the PMU with procurement, project supervision, and safeguards monitoring, using the project support component. |
| Procurement | NTDC will continue as the executing and implementing agency for tranche 4. The established PMU, which managed the previous three tranches, will be expanded to include all functions required for implementation, including procurement, contract execution and management, and safeguards implementation and monitoring. The PMU is headed by the General Manager (Projects), and includes an ESIC. The new PMU structure will include a Chief Engineer (Material Procurement and Management) responsible for all procurement and financial matters related to contract management. The invitation for bids for the subprojects are all expected to be released within the first half of 2015. |

Responsible Staff

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

Timetable

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|---------------------|----------------------------|
| Concept Clearance | - |
| Fact Finding | 08 Sep 2014 to 19 Sep 2014 |
| MRM | 09 Oct 2014 |
| Approval | 03 Dec 2014 |
| Last Review Mission | - |
| Last PDS Update | 28 Mar 2017 |

Loan 3203-PAK

Milestones

| Approval | Signing Date | Effectivity Date | Closing | | |
|-------------|--------------|------------------|-------------|---------|--------|
| | | | Original | Revised | Actual |
| 03 Dec 2014 | 12 Dec 2014 | 06 Mar 2015 | 31 Dec 2016 | - | - |

| Financing Plan | | Loan Utilization | | | |
|----------------|--------------------------------|----------------------------|--------|--------|----------------|
| | Total (Amount in US\$ million) | Date | ADB | Others | Net Percentage |
| Project Cost | 335.30 | Cumulative Contract Awards | | | |
| ADB | 248.00 | 03 Dec 2014 | 105.21 | 0.00 | 85% |
| Counterpart | 87.30 | Cumulative Disbursements | | | |
| Cofinancing | 0.00 | 03 Dec 2014 | 52.56 | 0.00 | 42% |

| Status of Covenants | | | | | | |
|---------------------|--------------|--------------|--------|----------------|----------|--------------|
| Category | Sector | Safeguards | Social | Financial | Economic | Others |
| Rating | Satisfactory | Satisfactory | - | Unsatisfactory | - | Satisfactory |

Loan 8311-PAK

| Financing Plan | | Loan Utilization | | | |
|----------------|--------------------------------|----------------------------|------|--------|----------------|
| | Total (Amount in US\$ million) | Date | ADB | Others | Net Percentage |
| Project Cost | 82.50 | Cumulative Contract Awards | | | |
| ADB | 0.00 | - | 0.00 | 0.00 | % |
| Counterpart | 0.00 | Cumulative Disbursements | | | |
| Cofinancing | 82.50 | - | 0.00 | 0.00 | % |

Project Page <https://www.adb.org/projects/37192-044/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=37192-044>

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