



# India: Power Grid Transmission (Sector) Project

Project Name	Power Grid Transmission (Sector) Project		
Project Number	38492-013		
Country / Economy	India		
Project Status	Closed		
Project Type / Modality of Assistance	Loan		
Source of Funding / Amount	Loan 2152-IND: Power Grid Transmission (Sector) Project		
	Ordinary capital resources	US\$ 400.00 million	
Strategic Agendas	Environmentally sustainable growth		
Drivers of Change			
Sector / Subsector	Energy / Electricity transmission and distribution		
Gender	No gender elements		
Description	The objective of the Project is to help strengthen and develop India's national transmission grid, comprising 765 kV and 400 kV transmission lines and associated substations, to improve system reliability, facilitate interstate and interregional power transfers by removing transmission bottlenecks, reduce transmission losses, facilitate efficient utilization of existing and planned power plants, facilitate development of a national power trading market, and hence promote increased private sector participation through open access to the national transmission grid.		
Project Rationale and Linkage to Country/Regional Strategy	ADB's strategy for the power sector as contained in the "2003-2006 Country Strategy and Program for India" is in synergy with the 10th Plan to develop infrastructure needed for economic growth and poverty reduction.		
Impact	The Project aims to provide adequate and reliable power supply to meet demands for electricity in India by strengthening and developing India's national transmission grid.		
Project Outcome			
Description of Outcome	National transmission grid strengthened and expanded with transmission bottlenecks removed and losses reduced.		
Progress Toward Outcome	1. Availability of transmission grid at 99% or greater by 2012 - in 2010, the availability of national grid is maintained at 99.55%. 2. Transmission losses in the range of 3-4% in 2006-07 - in 2010, the transmission losses are less than 4%. Remarks - achieved the target.		
Implementation Progress			
Description of Project Outputs	1. Tamil Nadu I Grid Strengthened 2. Tamil Nadu II Grid Strengthened 3. Tamil Nadu, Andhra Pradesh, and Union Territory of Pondicherry Grid Strengthened 4. Grid Strengthening for Kerala I 5. Grid Strengthening for Kerala II 6. Northern Region System Strengthening Scheme V 7. Enhancement of Transmission Capacity in East-West Corridor of Northern Region 8. Western Region Strengthening Scheme VII 9. Procurement of Bulk Conductors and Insulators Subproject		
Status of Implementation Progress (Outputs, Activities, and Issues)	1. Tamil Nadu Grid Strengthened - Subproject commissioned in June 2009. 2. Grid Strengthening for TN II - Subproject commissioned in September 2010. 3. Grid Strengthening of Tamil Nadu and Andhra Pradesh - Subproject commissioned in September 2010. 4. Grid Strengthening for Kerala I - (a) Trinulveli-Edamon multicircuit (4 circuit) line completed in March 2010. (b) 400 kV Edamon-Muvattupuzha line - Out of 438 towers, 109 foundations completed, 49 tower erection and 4 kms stringing completed. Balance works expected to be completed progressively by March 2012. 5. Grid Strengthening for Kerala II - Supply of Conductor/Insulators completed. Out of 222 locations, 217 foundations completed, 150 tower erection and 8 kms stringing completed. Balance works expected to be completed by March 2012. Muvatupuzha (New) and North Trichur substations: Works are under progress. The subproject is expected to be completed progressively by March 2012. 6. Northern Region System Strengthening Scheme V - Subproject commissioned in March 2010. 7. Enhancement of Transmission Capacity (East/West) Corridor of NRS - Subproject commissioned in March 2010. 8. Western Region Strengthening Scheme VII - Subproject commissioned in October 2010. 9. Procurement of Bulk Conductors and Insulators - Supplies completed in March 2009. - Additional bulk conductors - Supplies completed in March 2010.		
Geographical Location			
Safeguard Categories			
Environment	B		
Involuntary Resettlement			
Indigenous Peoples			
Summary of Environmental and Social Aspects			

Environmental Aspects	The desk review indicated that the institutional arrangements for safeguards are required to be strengthened and the internal reporting and monitoring mechanisms are required to be streamlined. the EA has been requested to develop documentation so as to prepare a time-bound Action Plan to improve the implementation of safeguards.
Involuntary Resettlement	
Indigenous Peoples	
<b>Stakeholder Communication, Participation, and Consultation</b>	
During Project Design	
During Project Implementation	
<b>Business Opportunities</b>	
Consulting Services	Not required.
Procurement	Procurement of goods and services for the Project will be carried out in accordance with the ADB Guidelines for Procurement. Supply of materials will be on the basis of international competitive bidding (ICB).
Responsible ADB Officer	Karbar, Vallabha R.
Responsible ADB Department	South Asia Department
Responsible ADB Division	India Resident Mission
Executing Agencies	Power Grid Corporation of India Limited Sunil Agrawal sunil9@powergridindia.com 'SAUDAMINI', Plot No. 2, Sector-29, Gurgaon-122 001 (Haryana)
<b>Timetable</b>	
Concept Clearance	07 Mar 2004
Fact Finding	28 Jul 2004 to 18 Aug 2004
MRM	29 Sep 2004
Approval	21 Dec 2004
Last Review Mission	-
PDS Creation Date	22 Nov 2006
Last PDS Update	13 May 2011

## Loan 2152-IND

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
21 Dec 2004	03 Nov 2005	10 Jan 2006	31 Dec 2009	31 Mar 2012	05 Oct 2012

  

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	568.00	Cumulative Contract Awards			
ADB	400.00	17 Jun 2022	400.00	0.00	100%
Counterpart	168.00	Cumulative Disbursements			
Cofinancing	0.00	17 Jun 2022	400.00	0.00	100%

  

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

Project Page	<a href="https://www.adb.org/projects/38492-013/main">https://www.adb.org/projects/38492-013/main</a>
Request for Information	<a href="http://www.adb.org/forms/request-information-form?subject=38492-013">http://www.adb.org/forms/request-information-form?subject=38492-013</a>
Date Generated	05 June 2023

ADB provides the information contained in this project data sheet (PDS) solely as a resource for its users without any form of assurance. Whilst ADB tries to provide high quality content, the information are provided "as is" without warranty of any kind, either express or implied, including without limitation warranties of merchantability, fitness for a particular purpose, and non-infringement. ADB specifically does not make any warranties or representations as to the accuracy or completeness of any such information.