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The World Bank

Report No: ISR15021

Implementation Status & Results
India
POWER SYSTEM DEVELOPMENT PROJECT IV (P101653)

Operation Name: POWER SYSTEM DEVELOPMENT PROJECT IV (P101653) Project Stage: Implementation Seq.No: 13 Status: ARCHIVED Archive Date: 28-Jun-2014

Country: India Approval FY: 2008

Product Line: IBRD/IDA Region: SOUTH ASIA Lending Instrument: Specific Investment Loan

Implementing Agency(ies):

Key Dates

Board Approval Date	18-Mar-2008	Original Closing Date	31-Jul-2013	Planned Mid Term Review Date	28-Feb-2010	Last Archived ISR Date	12-Mar-2014
Effectiveness Date	16-May-2008	Revised Closing Date	31-Jul-2014	Actual Mid Term Review Date	12-Apr-2010		

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the project is to strengthen India's electricity transmission system in order to increase reliable power exchange between regions and states.

Has the Project Development Objective been changed since Board Approval of the Project?

○ Yes ◉ No

Component(s)

Component Name	Component Cost
Transmission System Strengthening Schemes	1000.00

Overall Ratings

	Previous Rating	Current Rating
Progress towards achievement of PDO	Highly Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Low	Low

Implementation Status Overview

The implementation support mission for the project was carried out from April 29-May 16, 2014.

POWERGRID continues to demonstrate efficiency in project implementation and as on June 9, 2014, almost 96% of funds have been disbursed in PSDP IV whereas for additional financing almost 84% of funds have been disbursed, 1.5 months before project closing date. POWERGRID has recorded cost savings under the schemes approved at the appraisal stage. With completion of restructuring on May 23, 2014, a new scheme (SRSS 13) has been added to PSDP IV. On assessment of progress of work under this scheme, it is noted that the scheme is facing severe right-of-way issues, especially in the state of Karnataka (400kV D/C Gooty-Madhugiri and 400kV D/C Quad Madhugiri-Yelhanka lines). Even though all the packages under this scheme have been awarded and implementation has begun, the progress is slower than anticipated. POWERGRID is in dialogue with the state authorities

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to resolve the matter at the earliest and is expected to complete the scheme by December 2014, five (5) months after the loan closing date. Works under all other schemes financed under PSDP IV and IV FAF have been completed.

Locations

Country	First Administrative Division	Location	Planned	Actual
India	Bengal	State of West Bengal		
India	State of Maharashtra	Wardha		
India	State of Madhya Pradesh	Tala		
India	Bengal	Shiliguri		
India	State of Madhya Pradesh	Seoni		
India	State of Orissa	Raurkela		
India	State of Jharkhand	Ranchi		
India	State of Chhattisgarh	Raipur		
India	State of Chhattisgarh	Raigarh		
India	State of Bihar	Purnia		
India	State of Maharashtra	Parli Vaijnath		
India	State of Orissa	State of Orissa		
India	State of Maharashtra	State of Maharashtra		
India	State of Maharashtra	State of Maharashtra		
India	State of Madhya Pradesh	State of Madhya Pradesh		
India	State of Chhattisgarh	Korba		
India	Rajasthan	Kankroli		
India	State of Jharkhand	Jamshedpur		
India	State of Madhya Pradesh	Gwalior		
India	Bengal	Durgapur		
India	State of Madhya Pradesh	Damoh		
India	State of Madhya Pradesh	Bhopal		
India	State of Orissa	Baripada		

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Country	First Administrative Division	Location	Planned	Actual
India	State of Maharashtra	Aurangabad		
India	State of Maharashtra	Akola		
India	Uttar Pradesh	Agra		
India	State of Chhattisgarh	State of Chhattisgarh		
India	State of Madhya Pradesh	Bina		
India	Uttar Pradesh	Birsinghpur		
India	Rajasthan	Bhiwadi		

Results

Project Development Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Growth in power exchange between the regions	☐	Text	Value	37,750 GWh	78,384 GWh	68,000 GWh
			Date	30-Jun-2007	31-Mar-2014	31-Jul-2014
			Comments		Provisional figures. Outperformed the PAD targets of 58,000 GWh and revised target of 68,000 Gwh for FY2014	End project target revised upwards to 68,000 GWh.

Intermediate Results Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Growth in transmission capacity - circuit kms	☐	Text	Value	59,400 kms	106,804 ckm	107,000 kms
			Date	30-Jun-2007	31-Mar-2014	31-Jul-2014
			Comments		Provisional figures. Exceeded the PAD target of 95,000 ckm and marginal below the revised target of 170,000 ckm for FY2014	Target revised upwards to 107,000 ckm.
Growth in transformation capacity - MVA	☐	Text	Value	59,400 MVA	205,923 MVA	185,000 MVA
			Date	30-Jun-2007	31-Mar-2014	31-Jul-2014

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		Comments		Provisional figure. Exceeded the PAD target of 92,000 MVA and the revised target of 185,000 MVA for FY2014	Target revised upwards to 185,000 MVA.
Transmission lines constructed or rehabilitated under the project	☒ Kilometers	Value		0.00	0.00
		Date	30-Jun-2007	31-Mar-2014	31-Jul-2014
		Comments	CSI Retrofit per SEGEN - Sept. 2013.	No line was rehabilitated under the project.	No line was rehabilitated under under the project
Transmission lines rehabilitated under the project	☒ Kilometers Sub Type Breakdown	Value		0.00	0.00
		Date	30-Jun-2007	31-Mar-2014	31-Jul-2014
		Comments	CSI Retrofit per SEGEN - Sept. 2013.	No lines to be rehabilitated under the project	No lines to be rehabilitated under the project
Transmission lines constructed under the project	☒ Kilometers Sub Type Breakdown	Value		5279.00	5500.00
		Date	30-Jun-2007	31-Mar-2013	31-Jul-2014
		Comments	CSI Retrofit per SEGEN - Sept. 2013.	circuit kilometers already commissioned under the project	circuit kilometres to be constructed under the project

Data on Financial Performance (as of 16-May-2014)

Financial Agreement(s) Key Dates

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P101653	IBRD-48900	Effective	18-Mar-2008	28-Mar-2008	16-May-2008	31-Jul-2013	31-Jul-2014
P101653	IBRD-75930	Effective	21-Oct-2008	27-Jan-2009	30-Mar-2009	31-Jul-2014	31-Jul-2014

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P101653	IBRD-48900	Effective	USD	600.00	600.00	0.00	576.19	23.81	96.00
P101653	IBRD-75930	Effective	USD	400.00	400.00	0.00	337.19	62.81	84.00

Disbursement Graph

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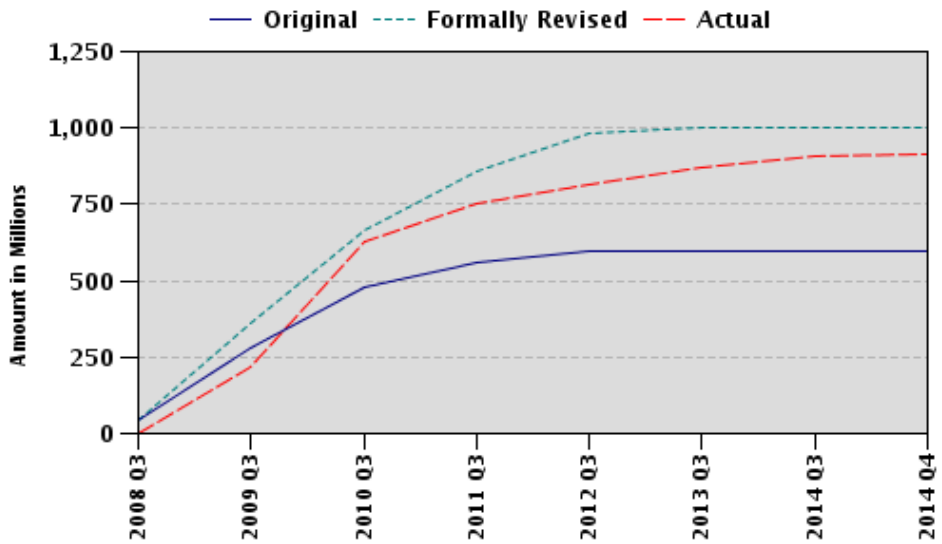

Key Decisions Regarding Implementation

With the completion of the project restructuring, the attention is now being focused on the completion of the new scheme (SRSS 13) included under PSDP IV. The scheme is facing severe right-of-way issues and completion is expected by December 2014, five months after the loan closing date. POWERGRID is in dialogue with the state representatives to resolve the issue at the earliest. With this delay in commissioning of the scheme, the PDO rating is being downgraded from Highly Satisfactory to Satisfactory.

Restructuring History

Level 2 CD Decision on 23-May-2014

Related Projects

P112798-Power System Development IV - Additional Financing

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