



Indonesia: West Kalimantan Power Grid Strengthening Project

Project Name	West Kalimantan Power Grid Strengthening Project
Project Number	41074-013
Country	Indonesia
Project Status	Active
Project Type / Modality of Assistance	Grant Loan
Source of Funding / Amount	Loan 3015-INO: West Kalimantan Power Grid Strengthening Project Ordinary capital resources US\$ 49.50 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration
Drivers of Change	Governance and capacity development Partnerships
Sector / Subsector	Energy - Electricity transmission and distribution
Gender Equity and Mainstreaming	Some gender elements
Description	
Project Rationale and Linkage to Country/Regional Strategy	
Impact	

Project Outcome

Description of Outcome	
Progress Toward Outcome	The loan and grant were declared effective as of 4 April 2014. Construction for 275 kV transmission line and substation has been completed. First and second circuits were energized on 20 January 2016 and 19 May 2016. Construction of the 150 kV transmission line is in progress and 150kV substations are completed with pending commissioning work. The contract for grant component has been completed. PLN is discussing internally on the possibility to increase household connections.

Implementation Progress

Description of Project Outputs	
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Status of Implementation Progress (Outputs, Activities, and Issues)	<p>Procurement progress: Bid Evaluation Reports (BERs) for Package 6 (Transmission Line/TL from Tayan to Sanggau) and Package 7 (TL from Sanggau to Sekadau) are being processed for ADB's approval. BER of Package 5 (Sanggau and Sekadau substations) is being prepared.</p> <p>Safeguards progress: On the ongoing Package 3 (TL Bengkayang-Ngabang-Tayan), ROW clearance to be completed by April 2017. On the new scope (TL Tayan-Sanggau-Sekadau), 82% land acquired for towers. Compensation for towers and ROW to be completed in March and December 2017.</p> <p>The 275kV TL transmission line from Malaysia to Bengkayang is now fully constructed. First and second circuits were energized on 20 January 2016 and 19 May 2016 respectively. Construction of Bengkayang substation is completed, with pending civil works, items and rectification of deficiencies.</p> <p>The construction of 150kV transmission line and substations (Package 3) are experiencing delays due to prolonged land acquisition and Right-of-Way (ROW) issues. Current target of completion is June 2017.</p> <p>Construction of Ngabang substation and extension of Tayan substation (Package 4) is completed, with pending commissioning.</p> <p>Construction of 52.973 km Medium Voltage (MV) and 46.760 km Low Voltage (LV) with 21 unit of distribution transformers have been completed with 672 households connections in 11 villages under 3 districts (Bengkayang, Landak and Sanggau).</p>
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Geographical Location

Summary of Environmental and Social Aspects

Environmental Aspects	<p>This is classified as a Category B project for environment. The project poses no significant environmental risks. The draft IEE prepared shows the proposed 275 kV transmission line: (i) passing through flat to hilly country, with scattered villages and associated small farms and gardens mainly along the roads including shifting cultivation and re-growth; (ii) does not pass through any protected areas, areas with rare or endangered species, or areas of high ecological diversity; (iii) requires 9.04ha land in West Kalimantan area for tower sites; and (iv) requires tall trees to be cleared on land of 30m width, from the centre line, in West Kalimantan</p> <p>In the project area, the vegetation is already highly modified by human activity through shifting and permanent cultivation. The area involves no protected areas, no primary forest, no cultural heritage sites, 30% of land occupied by crops and grassland, 68% is high canopy vegetation such as plantations and forest, and only 2% other land use.</p> <p>Update Initial Environmental Examination (IEE) has been approved for the 150 kV section from Tayan-Sanggau and Sanggau-Sekadau.</p>
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Involuntary Resettlement	<p>- A Resettlement and Customary Communities Plan (RCCP) is being implemented for the 275kV section from Bengkayang to the Malaysian border and for the 150kV section from Bengkayang through Ngabang to Tayan.</p> <p>- Additional RCCP has been approved for the 150 kV section from Tayan-Sanggau and Sanggau-Sekadau.</p>
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Indigenous Peoples	The ethnic minority plans are incorporated in the RCCPs.
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Stakeholder Communication, Participation, and Consultation

During Project Design	Stakeholders meetings were conducted in West Kalimantan; near the border area in Bengkayang and in other areas along the proposed route of the transmission line.
During Project Implementation	<p>PLN and ADB confirmed that internal monitoring are conducted semi-annually, and external monitoring will be conducted twice (three months after compensation payment for 50% of towers, and once 30% of ROW compensation has been provided, for 275 kV TL and 150 kV TL each), according to the updated RCCDP for 275 kV and draft RCCP for 150 kV. All the monitoring reports will be submitted to ADB for web posting, and internal monitoring report will be made available to the affected people as well.</p> <p>During construction, PLN is required to submit the progress of EMP implementation and monitoring twice a year which will be uploaded to the ADB website.</p>

Business Opportunities

Consulting Services	The PIC is already contracted and mobilized: a Joint Venture of Tractebel Engineering GDF Suez (TE) (Thailand) and Powergrid International Limited (Thailand) in subconsultancy with PT Caturbina Guna Persada (Indonesia).
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Procurement	<p>Four ICB packages have been bid out in August 2012 and were awarded in 2013:</p> <p>Package 1: Design, Supply, Installation, Testing and Commissioning of 275kV Overhead Transmission Lines Bengkayang Substation - Jagoibabang</p> <p>Package 2: Design, Supply, Installation, Testing and Commissioning of 275/150kV Bengkayang Substation</p> <p>Package 3: Design, Supply, Installation, Testing and Commissioning of 150kV Transmission Lines Bengkayang - Ngabang - Tayan</p> <p>Package 4: Design, Supply, Installation, Testing and Commissioning of 150/20kV Substation at Ngabang and Tayan;</p> <p>Grant component: Connection to Households in West Kalimantan through Extension of MV and LV Network</p>
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Responsible Staff

Responsible ADB Officer	Palupi, Ira
Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Indonesia Resident Mission
Executing Agencies	<i>P.T. Perusahaan Listrik Negara Kepala Dinas Rencana Pendanaan Gd.Timah Lt.III,Jl. Gatot Subroto Kav.18 Jakarta Selatan, Indonesia</i>

Timetable

Concept Clearance	-
Fact Finding	-
MRM	-
Approval	-
Last Review Mission	-
Last PDS Update	31 Mar 2017

Grant 0354-INO

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Aug 2013	20 Oct 2013	04 Apr 2014	31 Jul 2016	31 Jul 2017	-

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	0.00	Cumulative Contract Awards			
ADB	0.00	27 Aug 2013	0.00	1.66	83%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	27 Aug 2013	0.00	1.66	83%

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

Loan 3015-INO

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Aug 2013	17 Oct 2013	04 Apr 2014	31 Jul 2016	30 Jun 2018	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	78.50	Cumulative Contract Awards			
ADB	49.50	27 Aug 2013	33.11	0.00	67%
Counterpart	29.00	Cumulative Disbursements			
Cofinancing	0.00	27 Aug 2013	28.68	0.00	58%

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

Loan 8272-INO

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
16 Nov 2011	08 Feb 2013	08 Feb 2013	31 Jul 2016	30 Jun 2018	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	0.00	Cumulative Contract Awards			
ADB	0.00	16 Nov 2011	0.00	32.46	66%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	16 Nov 2011	0.00	0.00	0%

Project Page <https://www.adb.org/projects/41074-013/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=41074-013>

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