



BUSINESS OPPORTUNITIES FAIR



Asian Development Bank Headquarters, Manila, Philippines

8th ADB Business Opportunities Fair

Energy Sector, Southeast Asia

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22 March 2017

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ADB Southeast Asia Regional Department (SERD)

SERD Countries having ongoing operations

- **Cambodia**
- **Indonesia**
- **Lao PDR**
- **Myanmar**
- **Philippines**
- **Viet Nam**



SOUTHEAST ASIA KEY ENERGY SECTOR FOCUSES

POWER INFRASTRUCTURE DEVELOPMENT

- Power generation
- Renewable energy
- Energy efficiency/loss reduction (supply, demand)

ACCESS TO ENERGY

- On-grid and off-grid
- OBA¹

POWER SECTOR REFORMS

- Sector restructuring/ unbundling
- Financial recoveries

REGIONAL COOPERATION

- GMS (RPTCC)²
- ASEAN³
- BIMP-EAGA⁴

¹ Output-Based Aid

² Greater Mekong Subregion (Regional Power Trade Coordinating Committee)

³ Association of Southeast Asian Nations

⁴ Brunei Darussalam-Indonesia-Malaysia-Philippines East ASEAN Growth Area

Lending Pipeline - 2017

DMC	Project	Indicative Loan Amount (\$ million)
INO	Sustainable Energy Access in Eastern Indonesia – Electricity Grid Development Program	600
INO	Sustainable and Inclusive Energy Program – Subprogram 2	600 ^a (OCR=500+ AIF=100)
INO	Sustainable Energy Access in Eastern Indonesia – Power Generation Program	500
VIE	Power Transmission Investment Program– Tranche 4	160
VIE	Market-Oriented Power Sector Reform Program – Subprogram 1	160 ^b

INO	Grant - Pilot Carbon Capture and Storage Activity in the Gas Processing Sector in Indonesia	19
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^a Potential co-financing by the WB, KfW and AFD

^b Potential co-financing by the WB and KfW

Note: Projects are indicative, pending ADB Management and Board approval, and approval timelines are subject to change.



Lending Pipeline - 2018-2019

DMC	Project	Indicative Loan Amount (\$ million)	ADB Approval
INO	Sustainable Energy Access in Eastern Indonesia– Electricity Grid Development Program 2	600	2018
MYA	Power Network Development Project	420	
VIE	Renewable Energy Development Project (Solar)	48	
INO	Sustainable and Inclusive Energy Program– Subprogram 3	500 (OCR=400+ AIF=100)	2019
INO	Electricity Grid Strengthening Program– Java-Bali	600	
PHI	Energy Sector Development Program	100	
VIE	Market-Oriented Power Sector Reform Program– Subprogram 2	160 ^a	
VIE	Rural Electrification Project	325	
VIE	Distribution Grid Development Project for Viet Nam Power Corporation	360 (OCR=335+ AIF=25)	

^a Potential co-financing by the WB, KfW and AFD

Note: Projects are indicative, pending ADB Management and Board approval, and approval timelines are subject to change.



Non-lending Pipeline- 2017-2018

Type	DMC	Project	\$ million	ADB Approval
CDTA	INO	Scaling up Energy Efficiency in Indonesia	1.000	2017
PATA	INO	Energy Sector White Paper	0.600	
CDTA	VIE	Enhancing Readiness for Solar Power Deployment in Viet Nam	0.225	
PPTA	VIE	Power Transmission Grid Reinforcement	1.000	
PATA	REG	GMS Power Market Assessment and Investment Study (2020-2025)	1.500	
PATA	INO	Identification and Preparation of Demand Side Infrastructure Investment Opportunities, Phase 1	0.500	2018
CDTA	INO	Strengthening Verification in Results-based Programs in Indonesia's Power Sector, Phase 2	0.500	
PPTA	INO	Second Sector Loan for Cleaner Power Generation in Eastern Indonesia	0.800	
PATA	INO	Sustainable and Inclusive Energy Program– Phase 2	1.500	
PPTA	LAO	GMS Rural Electrification Project	1.500	
PPTA	MYA	Power Network Development Project	1.500	
PPTA	VIE	Power Sector Reform Program 2	1.000	
PATA	REG	Regional Action Plans for Sustainable Power Sector Development and Climate Change Mitigation	1.000	

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Tentative ICB Packages - 2017

Loan/ Grant No.	Project Name	Amount (\$ million)	Description
L49203-INO (advance actions)	Sustainable Energy Access in Eastern Indonesia-Power Generation Sector Program	110.00	EPC – 100 MW Gas-Fired Power Plant (Kaitim 2 Peaker)
L3084-MYA	Power Distribution Improvement Project	1.24	Goods (Cables and conductors)
L3374-VIE	Power Transmission Investment Program, Tranche 3	8.45	Goods and civil works – Extension of substations (500 kV Cau Bong, 220 kV Vung Tau, 220 kV Tra Vinh, 220 kV Duc Hoa, 220 kV Uyen Hung)
		25.46	Goods and civil works – Construction of 500 kV My Tho-Duc Hoa transmission line
		92.93	Goods and civil works – Construction of 500 kV Duc Hoa substation and connections and 220 kV Binh Long-Tay Ninh transmission line

Tentative ICB Packages - 2017 *(continued)*

Loan/ Grant No.	Project Name	Amount (\$ million)	Description
L3161/8286-VIE	Ha Noi and Ho Chi Minh City Power Grid Development Sector Project	3.45	Goods – Construction of 110 kV Phuong Liet substation
		7.65	EPC– UG cable at Thanh Cong-Thuong Dinh 110 kV transmission line
		4.99	Goods – Construction of 110 kV Tran Hung Dao substation
		7.52	Goods and civil works – Phuoc Long 110 kV substation and feeders
		4.7	Goods and civil works – Underground Cables, Cau Bong - Binh Tan 220 kV transmission line
		5.79	Civil works – 220 kV Cau Bong - Binh Tan transmission line

Tentative ICB Packages - 2017 *(continued)*

Loan/ Grant No.	Project Name	Amount (\$ million)	Description
L3161/8286 -VIE	Ha Noi and Ho Chi Minh City Power Grid Development Sector Project	12.64	Goods and civil works – 110 kV underground cable in Tay Ho - Yen Phu
		3.43	Goods – 110 kV lines Ngoc Hoi substation
		13.34	Goods – Tan Cang substation
		25.02	Goods and civil works – 220 kV Cat Lai-Tan Cang transmission line
		8.19	Goods and civil works – 110 kV Park substation and incoming line

Remarks

- Procurement process is solely driven by the Borrower, The dates in the presentation are tentative.
- Engagement of Consultants to support Technical Assistances is driven by ADB
- Understand the country context is crucial as the countries have unique challenges
- Deploy technical experts having right experience in advance technologies, smart grid, renewable energy integration etc..

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