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# Energy Sector: Pacific and Southeast Asia

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**11TH BUSINESS OPPORTUNITIES FAIR 2023**  
4 - 5 OCTOBER 2023 | 9:00 AM - 5:00 PM | MANILA

# Priority Areas

- ❖ Offshore wind (incl. port)
- ❖ Solar PV
- ❖ Geothermal
- ❖ TND/Grid strengthening
- ❖ Battery energy storage system
- ❖ Smart metering
- ❖ Access to energy solutions
- ❖ Regional inter-connectivity
- ❖ Electricity market development
- ❖ Vehicle to grid solutions



# Indicative 2024 Project Pipeline

No.	DMC	Project Name	Amount (\$ million)
1	FSM	Renewable Energy Development Project (second additional financing)	15.0
2	FSM	Climate Resilient Energy and Water Project	13.0
3	INO	Affordable and Sustainable Energy Transition Program (PBL)	600.0
4	INO	Accelerating Indonesia's Clean Energy Transition Program, Phase 1 (RBL)	1,123.0
5	PAL	Smart Grid Project	17.7
6	PHI	Climate Change Action Program, Subprogram 2 (PBL)	400.0
7	PNG	Clean Energy Development Program (PBL)	250.0
8	RMI	Electrification Project	10.0
9	SAM	Alaoa Multi-Purpose Dam Project	95.1
10	SOL	Renewable Energy Development Project	15.0
11	TON	Grid Strengthening Project	8.0
		<b>Total</b>	<b>2,546.8</b>



# Indicative 2025 Project Pipeline

No.	DMC	Project Name	Amount (\$ million)
1	CAM	National Project on Energy Storage for Utility-Scale Solar Plants	40.0
2	CAM	Grid Reinforcement Project (additional financing)	80.0
3	CAM	Energy Transition Sector Development Program (subprogram 2) (PBL)	75.0
4	INO	Renewable Grid Strengthening Project	400.0
5	INO	Accelerated Coal Retirement Facility Project (FI)	200.0
6	INO	Sustainable Energy Transition - DAMRI e-bus Project	15.6
7	PHI	Smart and Green Transmission Project	300.0
8	PHI	Geothermal Derisking Facility Project	200.0
9	SOL	Disaster Resilient Clean Energy Financing	1.0
10	TIM	Power Grid (Transmission) Strengthening Project	50.0
11	TON	Nuku'alofa Network Upgrade Project Area 4	5.0
		<b>Total</b>	<b>1,366.6</b>



# Indicative 2026 Project Pipeline

No.	DMC	Project Name	Amount (\$ million)
1	INO	Accelerating Indonesia's Clean Energy Transition Program, Phase 2	600.0
2	INO	Affordable and Sustainable Energy Transition Program, Subprogram 2 (PBL)	300.0
3	INO	Geothermal Power Expansion Project	300.0
4	PHI	Climate Change Action Program, Subprogram 3	400.0
5	SAM	Renewable Energy Project	15.0
6	SOL	Renewable Energy Development, additional financing	25.0
7	TON	Floating Photovoltaic Project	11.7
8	TUV	Increasing Access to Renewable Energy Project, Phase 3	33.0
		<b>Total</b>	<b>1,684.7</b>



# Indicative 2024 Technical Assistance Pipeline

No.	DMC	TA Name
1	INO	Accelerated Coal Retirement Facility Project
2	NIU	Niue Clean and Resilient Energy Development Support
3	PHI	Smart and Green Transmission Project
4	PHI	Geothermal Derisking Facility Project
5	SOL	Preparation of the Disaster Resilient Clean Energy Financing (additional financing)
6	REG	SEA Energy Sector Development Investment Planning and Capacity Building Facility, Phase 2 (additional financing)
7	REG	GMS/ASEAN Regional Power Pool Market and Interconnection Feasibility Study
8	REG	Preparing the Pacific Renewable Energy Investment Facility, Phase 3 (additional financing)



# Cambodia

Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
Grid Reinforcement Project	Design, Supply, Installation and Commissioning of 230kV and 114kV Indoor Substations	EPC	45.4	Q4 023
Grid Reinforcement Project	Design, Supply, Installation and Commissioning of 230kV and 115kV Overhead and Underground Transmission Lines	EPC	28.0	Q4 2023
Grid Reinforcement Project	Battery Energy Storage System	EPC	6.7	Q1 2024
Energy Transition Sector Development Program	Battery Energy Storage System	EPC	19.3	Q1 2024
Energy Transition Sector Development Program	Energy Efficient Streetlighting	Small Works Contractor	2.5	Q1 2024



# Indonesia

Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
Geothermal Power Generation Project	Design, Supply, Installation and Commissioning of Geothermal Power Plant-Patuha Unit 2	EPC	114.92	Q4 2023
Geothermal Power Generation Project	Design, Supply, Installation and Commissioning of Geothermal Power Plant-Dieng Unit 2	EPC	113.84	Q1/Q2 2024



# Philippines

Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
Geothermal Derisking Facility	Design, Due Diligence	Consulting Firms/ Individuals	0.8	Q2 2024
Transmission Investment Program (Phase 1)	Design, Due Diligence, Feasibility	Consulting Firms/ Individuals	0.8	Q1 2024
Futures and Capacity Energy Market Design	Design, Due Diligence	Consulting Firms/ Individuals	0.3	Q1 2024
Pre-Feasibility for OSW Port Infrastructure	Due Diligence, Pre-Feasibility, Investment Plan	Consulting Firms/ Individuals	0.3	Q4 2023



# Timor-Leste

Project title	Scope	Services	Estimated value (\$ million)	Advertisement
Power Distribution Modernization Project	Supply of AMR meters and distribution panels	Consulting Services (Firm)	5.0	Q1 2024
Power Distribution Modernization Project	Installation of prepaid meters	Consulting Services (Firm)	1.6	Q4 2023
Power Distribution Modernization Project	Installation of AMR meters and distribution panels	Consulting Services (Firm)	1.0	Q1 2024
Power Distribution Modernization Project	Supply and installation of Distribution Automation System (DAS), including construction of control/dispatch center	Consulting Services (Firm)	10.4	Q2 2024
Power Distribution Modernization Project	Warehouse rehabilitation and extension	Consulting Services (Firm)	1.0	Q1 2024
Power Distribution Modernization Project	Installation of Distribution Management Information System (DMIS) with Geographical Information System (GIS)	Consulting Services (Firm)	5.02	Q4 2023



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# Greater Mekong Subregion/ASEAN

Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
Regional power market development in the GMS/ASEAN	Regional power pool market design, market development roadmap, shadow trading operation, and pilot trading preparation	Consulting Firm	0.8	Q4 2023

**THE GMS ECONOMIC COOPERATION PROGRAM**

Founded in 1992 with assistance from ADB to enhance economic cooperation in the subregion

**Vision:** a more integrated, prosperous, and harmonious region

**3 Cs:** Connectivity, Competitiveness, Community



**MEMBER COUNTRIES**

- 1 Cambodia
- 2 China, People's Republic of (PRC)  
Yunnan Province  
Guangxi Zhuang Autonomous Region
- 3 Lao People's Democratic Republic
- 4 Myanmar
- 5 Thailand
- 6 Viet Nam



# Pacific Countries (1)

Country	Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
COO	Renewable Energy Sector Development Project	SCADA system	EPC	1.0	2024
FSM	Clean Energy Project (approved in 2022)	Small hydro project and energy + water supply for outer islands	TBD	5	2024
FSM	Floating Solar Plus Project	Floating PV, BESS and grid connection	DBO	TBD	2024
KIR	Climate-Adapted Renewable Energy Sector Project (CARES - STREP 2)	Solar PV and BESS totaling 7.5 MWp and 13.5 MWh	DBO	20	2024
KIR	Climate-Adapted Renewable Energy Sector Project (CARES)	Sector Reforms, Project Management, Construction supervision	Consulting Firm	2	2024
NAU	Floating Solar Plus Project	Floating PV, BESS and grid connection	DBO	TBD	2024
PAL	Preparing Disaster resilient clean energy financing facility (additional financing)	Project preparation	Consulting Firm/individuals	1.5	2024



# Pacific Countries (2)

Country	Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
PAL	Smart Grid Project	10 MW / 15 MWh BESS, grid protection systems and 5 No. EV charging stations	EPC	15.0	2024
PNG	Energy Sector Development Program	<ul style="list-style-type: none"> <li>Transmission and distribution, FS, due diligence</li> <li>Policy reform advisory (tariff, IPP/PPA, SOE reforms)</li> </ul>	Consulting Firms	0.35 0.40	2024
RMI	Floating Solar Plus Project	Floating PV, BESS and grid connection	DBO	TBD	2024
SAM	Alaoa Multipurpose Dam Project	Multipurpose dam construction	Turnkey	78	2024
SOL	Sustainable Solar Development	Hybrid solar generation and storage capacities	EPC	50	2024
TON	Floating Solar Plus Project	Floating PV, BESS and grid connection	DBO	TBD	2024



# Pacific Countries (3)

Country	Project Title	Scope	Services	Estimated Value (\$ million)	Advertisement Date
TUV	Increasing Access to Renewable Energy Project Phase 2 (IAREP 2)	Rooftop PV, Floating PV plus, grid connection	DBO	4.5	2024
TUV	Increasing Access to Renewable Energy Project Phase 2 AF (IAREP 2)	BESS in at least 3 outer islands	EPC	2	2024
VAN	Floating Solar Plus Project	Floating PV, BESS and grid connection	DBO	TBD	2024
REG	Pacific Renewable Energy Investment Facility Phase 2 (Additional Financing)	Project preparation and implementation support	Consulting Firms/ Individuals	3	2024
REG	Pacific Renewable Energy Investment Facility Phase 3	Project preparation and implementation support	Consulting Firms/ Individuals	3	2024



# Thank You!

