

## Annexure I-Off-grid lighting initiatives in Southeast Asian countries

Name of the country	Name of the program/initiative/project	Funding organization/Source	Implementing Body	Main objectives	Start date	End date
<b>Cambodia</b>	Rural Electrification Fund	World Bank and Global Environment Facility (GEF)	Royal Government of Cambodia	To provide electricity (of some form) to all rural households by 2020. The programme includes bulk purchase of 12, 000 solar housing systems (each having a capacity of 40 Watt peak (Wp))	2004	
	Moon light rental scheme	Kamworks ( Solar Company in Cambodia)	Kamworks ( Solar Company in Cambodia)	Renting out of solar lanterns by village entrepreneurs at a rate equal to rate kerosene. For scaling up the program, Kamworks is supported by ADB's energy for all programs.	2008	
	Solar Campus	Kamworks and Picosol	Kamworks and Picosol	To provide training on solar energy		
	Solar Guarantee Fund	Kamworks and Picosol	Kamworks and Pico Sol	To develop a solar guarantee fund for solar lantern entrepreneurs thereby facilitating access to finance for them.		
	Microfinance for battery charging stations, solar SMEs	Amret Microfinance and ACLEDA Bank	Royal Government of Cambodia	To provide finance for setting up battery charging stations		
<b>Indonesia</b>	Rural electrification program	Indonesia Government	Indonesia Government	To provide free of cost SHS to households	1997	
	TERI Solar Multi Utility (SMU) program	PT Azet (Private company dealing with renewables)	TERI and PT Azet	The program is based on Lighting a billion lives (LaBL)	2009	
<b>Lao PDR</b>	Rural Electrification Adaptable Program Lending (APL) Program	Phase 1- World Bank and Australia bilateral assistance (AusAID)	Government of Lao PDR and electricity distributing	To increase the access to electricity of rural households in villages and improve financial performance of the		

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			companies	power sector. Establishment of Renewable energy fund for generation of electricity through renewables		
	Rural Electrification Adaptable Lending Program	Phase 2- GEF	Government of Lao PDR and electricity distributing companies	To increase the access to electricity of rural households in villages and improve financial performance of the power sector. Establishment of Renewable energy fund for generation of electricity through renewables		
	Renewable Energy Development in Remote Communities	ADB and Japan fund for poverty reduction	Government of Lao PDR	To assist the Government of Lao PDR in pursuing its ambitious target of electrifying 80% of villages and 90% of households by 2020	2011	
<b>Philippines</b>	Rural Power Project	World Bank	Philippine Government	Major components of the project include rural electrification, capacity building and credit risk guarantee	2003	

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	Alliance for Mindanao Off-grid Renewable Energy (AMORE) Program	Partnership between USAID, DoE Philippines and private sector industries (Sun power etc.)	Winrock international and Philippines government	The major objective of the program is to bring energy services to remote, conflict affected communities in rural Mindanao, the second largest island of Philippines	2002	
	Rural Electrification Services Project	French Filipino Loan Protocol financing	Filipino company Pamtec (PRES),	To improve the living conditions of the residents in Masbate by providing them adequate and reliable energy services		
	Solar Power Technology Supports Project	Department of Agrarian Reform, Philippines	Department of Agrarian Reform, Philippines	To address poverty in the off-grid agrarian reform communities through the introduction of solar PV applications	2005	2007
	Solar Home System Distribution Project	Dutch Government	Philippine National Oil Company	To install SHS system	2002	2007
	Liter of Light	My shelter foundation	My shelter foundation	To use plastic bottles to light up homes not connected to grid electricity	2011	2015
<b>Thailand</b>	National Plan for Thailand Accelerated Rural Electrification	Government of Thailand	Provincial Electricity Authority		1973	1996

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	Small Power Producer Programme and Very Small Power Producer Programme	Government of Thailand	Energy Generating Authority of Thailand	To purchase power from power plants that generate power through combined heat and power plant or through renewable sources, under transparent and predictable power purchase agreements	1992	
	Sun Sawang initiative	Sun Sawang	Sun Sawang	To implement and repair solar systems bought in 2004 by Thai government for the remote areas		
<b>Viet Nam</b>	Rural electrification	Government of Viet Nam	National electricity company	To develop national power grid to supply electricity to 100% households	2011	2020
	Energy Sector Management Assistance Program	UNDP and World Bank	Government of Viet Nam	To provide reliable electricity to rural people	2001	
	Solar Energy Project	Finnish Government	Government of Vietnam	To help Viet Nam on applying solar energy in 17 mountainous communes and localities inhabited by ethnic minority people in Ky Son, Que Phong and Quy Chau districts in the central province of Nghe		

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	Viet Nam Sweden Rural Energy Program	Swedish international Development Agency and the Ministry of Industry and Trade	Government of Viet Nam	To enhance the pace of off-grid electrification in rural Areas mainly through solar PV and bio-gas	2004	2009
	Renewable Energy Development and Network Expansion and Rehabilitation	ADB	Government of Viet Nam	To deploy hydropower in rural areas	2009	
	Clean Energy in Rural Viet Nam	World Vision Australia and Renewable Energy and Energy Efficiency Partnership (REEEP)	Government of Viet Nam	To provide 100MWh supply from renewable energy per year to two or more villages and at generating awareness	2013	2014