



## **Regional: Promoting Sustainable Energy for All in Asia and the Pacific - Renewable Energy Mini-grids and Distributed Power Generation (Subproject A)**

Project Name	Promoting Sustainable Energy for All in Asia and the Pacific - Renewable Energy Mini-grids and Distributed Power Generation (Subproject A)				
Project Number	48435-002				
Country	Regional				
Project Status	Active				
Project Type / Modality of Assistance	Technical Assistance				
Source of Funding / Amount	<table border="1"> <tr> <td colspan="2"><b>TA 8944-REG: Promoting Sustainable Energy for All in Asia and the Pacific - Renewable Energy Mini-grids and Distributed Power Generation (Subproject A)</b></td> </tr> <tr> <td>Clean Technology Fund</td> <td>US\$ 3.50 million</td> </tr> </table>	<b>TA 8944-REG: Promoting Sustainable Energy for All in Asia and the Pacific - Renewable Energy Mini-grids and Distributed Power Generation (Subproject A)</b>		Clean Technology Fund	US\$ 3.50 million
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Clean Technology Fund	US\$ 3.50 million				
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth				
Drivers of Change	Governance and capacity development Partnerships				
Sector / Subsector	<b>Energy</b> - Energy sector development and institutional reform				
Gender Equity and Mainstreaming	Effective gender mainstreaming				
Description	<p>Access to modern energy is essential for the provision of reliable and efficient lighting, heating, cooking and telecommunications services, and enables the delivery of clean water, sanitation, and health care. Yet, across Asia and the Pacific, more than 600 million people are without access to electricity and 1.8 billion people rely on the traditional use of biomass for cooking .ADB started the Energy for All initiative in 2008 to develop new methodologies and approaches for scaling up access to energy and to spearhead a regional partnership to provide access to modern forms of energy. ADB is also a lead organization and hosts the secretariat of the regional hub of the global Sustainable Energy for All (SE4ALL), an initiative launched by the UN Secretary General in 2011.</p> <p>The SE4ALL initiative has three targets: (i) ensure universal access to modern energy services; (ii) double the annual global rate of improvement in energy efficiency; and (iii) double the share of renewable energy in the global energy mix, all by 2030. This subproject contributes to the energy access target and is under cluster regional technical assistance (Cluster TA 0017) Promoting Sustainable Energy for All in Asia and the Pacific approved by the Board on 16 July 2015.</p> <p>The outcome of the subproject will be the increased growth and private sector participation in the renewable energy mini grids and distributed power generation sector. This subproject will address the fundamental challenge of providing access to energy by utilizing combinations of technologies and private sector business models.</p>				
Project Rationale and Linkage to Country/Regional Strategy	There is a need to address the fundamental challenge of providing access to energy through combinations of technologies and new business models that deliver clean, reliable, and affordable energy to bottom-of-the-pyramid consumers under-served by conventional electricity grids. Achieving sustainable energy for all targets requires overcoming financing barriers and de-risking investments for energy access and off-grid projects by providing concessional finance to a range of early to mid-stage mini-grid and distributed power generation companies; as well as building south-south regional cooperation, and encouraging regulators, policy-makers and other stakeholders to recognize that a healthy enabling environment for private sector developers will be a critical step to achieving universal energy access. There is increasing interest in encouraging private sector involvement in this area due to the limitations of public funds alone in achieving the required replication and scale up.				
Impact	SE4ALL targets in Asia and the Pacific achieved				

### **Project Outcome**

Description of Outcome	Increased growth and private sector participation in the renewable energy mini grids and distributed power generation sector
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## Progress Toward Outcome

### Implementation Progress

Description of Project Outputs	Pipeline, due diligence and preparation of transactions for ADB financing Building capacity of local financial institutions and other investment partners Promotion and knowledge-sharing of successful projects and business models with private companies, governments, electric utilities, and other stakeholders to encourage improvements in the regulatory and investment environment
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Status of Implementation Progress (Outputs, Activities, and Issues)

Geographical Location

### Summary of Environmental and Social Aspects

Environmental Aspects

Involuntary Resettlement

Indigenous Peoples

### Stakeholder Communication, Participation, and Consultation

During Project Design

During Project Implementation

### Business Opportunities

**Consulting Services** The TA will require 148 person-months of international and 72 person-months of national consulting services in the areas of technology evaluation, project development, investment, finance, etc. Individual consultants will be engaged to be flexible and timely fielded. Some international and national consultants as individual consultants will be engaged in long-term support roles. Some resource persons will also be engaged for the capacity building activities. For legal due diligence, external legal counsel for individual transactions will be engaged through OGC in line with existing PSOD processes and paid for from the TA.

**Procurement** Engagement of experts will follow ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Partnership with other clean energy and energy access centers of excellence will be promoted. Output-based or lump sum contracts will be considered as appropriate where possible to reduce administrative burden and improve efficiency and economy. Disbursements under the TA will be performed in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).

### Responsible Staff

Responsible ADB Officer	Zhai, Yongping
Responsible ADB Department	SDSC
Responsible ADB Division	SDSC-ENE
Executing Agencies	<i>Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines</i>

### Timetable

Concept Clearance	-
Fact Finding	-
MRM	-
Approval	14 Aug 2015
Last Review Mission	-
Last PDS Update	20 Aug 2015

### TA 8944-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual

14 Aug 2015

-

14 Aug 2015

31 Dec 2020

-

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Financing Plan/TA Utilization							Cumulative Disbursements	
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
0.00	3,500,000.00	0.00	0.00	0.00	0.00	3,500,000.00	14 Aug 2015	3,500.00

Project Page <https://www.adb.org/projects/48435-002/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=48435-002>

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