



Regional: Integrated Resource Planning with Strategic Environmental Assessment for Sustainable Power Sector Development in the Greater Mekong Subregion

Project Name	Integrated Resource Planning with Strategic Environmental Assessment for Sustainable Power Sector Development in the Greater Mekong Subregion
Project Number	49208-001
Country	Regional
Project Status	Active
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	<p>TA 9003-REG: Integrated Resource Planning with Strategic Environmental Assessment for Sustainable Power Sector Development in the Greater Mekong Subregion</p> <p>Agence Francaise de Developpement US\$ 1.10 million</p>
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships Private sector development
Sector / Subsector	Energy - Energy sector development and institutional reform
Gender Equity and Mainstreaming	No gender elements
Description	Based on the recommendations and lesson learnt of previous RETAs, the proposed RETA is designed to (i) enhance the GMS countries' capacity in applying IRP with SEA in their PDPs; (ii) improve regulations, policies, programs and/or targets for RE and EE as necessary and as validated through the IRP; and (iii) support the cross-border interconnections as necessary and as validated through the IRP. The RETA will particularly focus on Viet Nam as the country has greater potential for mitigating climate change impacts. The RETA outputs will be also disseminated through RPTCC meetings, which are organized twice a year. The TA activities will be closely coordinated with the GMS Environment Operations Center (EOC)'s Core Environment Program (CEP), which has provided assistance on the SEA for power development planning in Viet Nam.
Project Rationale and Linkage to Country/Regional Strategy	Demand for energy across the Greater Mekong Subregion (GMS) has risen strongly, often at a faster rate pace than economic growth. It is anticipated that energy demand will be tripled over the next 15_20 years. In particular, the demand for electricity is growing rapidly, which will require a major expansion of the power system. According to the current power development plans (PDPs) of the respective GMS countries, the total installed capacity of the region is projected to be almost doubled by 2025, mostly driven by large hydro and coal-fired power additions. Along with these developments, environmental and social pressures are expected to be heightened, adding concerns related to climate change. One way to address this concern is to improve the PDP planning process in a way to consider environmental and social impacts at the more upstream stage through strategic environmental assessment (SEA) and to examine all supply-side options and demand-side options using integrated resource planning (IRP). In this regard, this TA is designed to (i) enhance the GMS countries' capacity in applying IRP with SEA in their PDPs; (ii) improve regulations, policies, programs and/or targets for RE and EE as necessary and as validated through the IRP; and (iii) support the cross-border interconnections as necessary and as validated through the IRP. The RETA will particularly focus on Viet Nam as the country has greater potential for mitigating climate change impacts. The RETA impact is a more economically, environmentally, and socially sustainable power sector developed for greater mitigation of climate change impacts in the GMS. The TA outcome is enhanced capacity of Viet Nam and awareness of other GMS countries in applying IRP with SEA in developing its PDP. This TA is in line with ADB's Strategy 2020 and ADB's Energy Policy 2009, promoting regional integration and clean energy development. It is listed in the Regional Cooperation Strategy and Program (2012-2014), the GMS Economic Cooperation Program Strategic Framework (2012_2022) which is supported by the GMS Road Map for Expanded Energy Cooperation, and the GMS Regional Investment Framework 2013-2022.

Impact	A more economically, environmentally, and socially sustainable power sector developed for greater mitigation of climate change impacts in the Greater Mekong Subregion
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Project Outcome

Description of Outcome	Power sector planning in GMS countries using IRP and SEA strengthened
Progress Toward Outcome	Key activities undergoing to enhance the capacity of power sector planning in the GMS countries using IRP and SEA

Implementation Progress

Description of Project Outputs	<ol style="list-style-type: none"> 1. Viet Nam's IRP and SEA capacity enhanced 2. Awareness among GMS countries increased 3. Knowledge Products (KPs) Shared
Status of Implementation Progress (Outputs, Activities, and Issues)	A consulting firm is now on board. Inception missions in Cambodia, Laos, Myanmar, Thailand, and Vietnam completed. Initial findings for Vietnam and gap analysis for rest GMS countries are being completed.
Geographical Location	

Summary of Environmental and Social Aspects

Environmental Aspects

Involuntary Resettlement

Indigenous Peoples

Stakeholder Communication, Participation, and Consultation

During Project Design	GMS countries were directly consulted in developing this TA through their representatives in the regional power trade coordination committee (RPTCC). The consultations were held on 25-26 June 2014 during the 16th Meeting of the RPTCC held in Cambodia and on 24-25 November 2014 during the 17th Meeting of the RPTCC held in Lao PDR. The final scope and terms of reference were endorsed by the GMS countries at the 18th Meeting of the RPTCC held on 9-10 June 2015 in Myanmar.
During Project Implementation	Stakeholder communication, participation and consultation will be carried out through workshops and training sessions within each of the GMS countries and regular meetings of the regional meetings through RPTCC.

Business Opportunities

Consulting Services	On board are one international consulting firm and one individual consultant. The consulting firm was engaged to provide technical services for a total of 43 person-months of consulting services (22 person-months of international consulting inputs and 21 person-months of national consulting inputs).
Procurement	Some equipment will be procured through the consultant contract.

Responsible Staff

Responsible ADB Officer	Lee, Hyunjung
Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Energy Division, SERD
Executing Agencies	<i>Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines</i>

Timetable

Concept Clearance	19 Aug 2015
Fact Finding	-
MRM	-
Approval	27 Nov 2015
Last Review Mission	-
Last PDS Update	27 Mar 2017

TA 9003-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Nov 2015	-	27 Nov 2015	31 Dec 2018	-	-

Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
0.00	1,100,000.00	100,000.00	0.00	0.00	0.00	1,200,000.00	27 Nov 2015	151,081.59

Project Page <https://www.adb.org/projects/49208-001/main>

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