



## Thailand: PROVINCIAL SOLAR POWER PROJECT

Project Name	PROVINCIAL SOLAR POWER PROJECT			
Project Number	45923-014			
Borrower/Company	BANGCHAK SOLAR ENERGY COMPANY LTD			
Country	Thailand			
Location				
Approval Number	7356/2875, 7356/8256			
Type of ADB Assistance / Amount	7356/2875	Loan	USD 780.00 million	Approved
	7356/8256	Loan	USD 15.00 million	Approved
Strategic Agendas	Inclusive economic growth			
Drivers of Change	Private sector development			
Sector / Subsector	Energy - Renewable energy generation - solar			
Gender Equity and Mainstreaming				
Responsible ADB Department	Private Sector Operations Department			
Responsible ADB Division	Portfolio Management Division, PSOD			
Responsible ADB Officer	Patil, Avesh			
Project Sponsor(s)				
Description	The Project was developed and implemented over two phases (Phase 2A [Chaiyaphum] and Phase 2B [Ayutthaya]) under 4 standard renewable energy PPAs (25 MW for each site) with PEA in Chaiyaphum and Ayutthaya Provinces. The Project has a total capacity of 50 MW installed gross capacity and utilizes multicrystalline photovoltaic technology. Any additional generation from the Project beyond the PPA contract capacity will be distributed to the grid free of charge as an economic benefit for the country. The Project was developed under a separate engineering, procurement, construction (EPC) arrangements for each phase.			
Objectives and Scope	The Project diversifies Thailand's energy mix through the addition of renewable energy capacity; demonstrates the viability and sustainability of a large-scale private sector solar project; and has installed and is operating 2 large-scale solar power generating facilities with a combined capacity of 50 MW.			
Status of Development Objectives	The target of having at least 32 MW of solar power capacity commissioned by the first quarter of 2013 has been achieved. The project has generated employment of over 100 people (full time equivalent). To add to local economic activity, the project purchased local purchase of goods and services amounting to over B1,000 million from the construction of phases 2A and 2B.			
Status of Operation/Construction	The Project is in its operating stage following COD on 6 March and 5 April 2013 for Project A and B, respectively. The lenders' technical advisor issued its Mechanical Completion Certificate for both projects on 20 May 2013.			
Linkage to Country/Regional Strategy	The country partnership strategy for Thailand 2007 2011 is directed at three core strategic areas infrastructure, environmental sustainability, and capital markets. The government's Alternative Energy Development Plan, approved by the Cabinet on 28 January 2009, notes the immense potential energy in Thailand's solar radiation and the savings on energy imports that can be made through its use, with private sector investment. The Project also supports the Government's long-term objective for the Thailand Clean Technology Fund Investment Plan to utilize CTF resources to support private sector renewable energy projects.			
Safeguard Categories				
Environment				B
Involuntary Resettlement				C
Indigenous Peoples				C

## Summary of Environmental and Social Aspects

Environmental Aspects	In compliance with ADB's Safeguard Policy Statement (2009), the Project is classified as category B for environment, category C for involuntary resettlement, and category C for indigenous peoples. The potential environmental and social impacts of the project have been identified and effective measures to avoid, minimize, mitigate, and compensate for the adverse impacts are incorporated in the Initial Environmental Examination (IEE) reports prepared for Project Phase 2A and Phase 2B. The institutional capacity and commitment of BSE to manage the project's social and environmental impacts are deemed adequate and are described in the Environmental Management Plan included in the IEE reports. On gender classification, the Project has been assigned a 'no gender element' category.
Involuntary Resettlement	No involuntary resettlement expected.
Indigenous Peoples	No indigenous peoples affected.
Stakeholder Communication, Participation, and Consultation	Several public hearing and information dissemination activities were carried out involving different stakeholders to ensure public participation. Such activities were confirmed during the due diligence site visit and were found to be in accordance with ADB's requirements.

## Timetable for assistance design, processing and implementation

Concept Clearance	14 Nov 2011
Due Diligence	23 Mar 2012
Credit Committee Meeting	30 Apr 2012 to 30 Apr 2012
Approval	25 Jun 2012
PDS Creation Date	17 Apr 2012
Last PDS Update	09 Oct 2014

Project Page	<a href="https://www.adb.org/projects/45923-014/main">https://www.adb.org/projects/45923-014/main</a>
Request for Information	<a href="http://www.adb.org/forms/request-information-form?subject=45923-014">http://www.adb.org/forms/request-information-form?subject=45923-014</a>
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