



Project Data Sheet

Project 42252-012

Project Name Rural Renewable Energy Development Project

Project Number 42252-012

Country / Economy Bhutan

Project Status Closed

Project Type / Modality of Assistance Technical Assistance

Source of Funding / Amount **TA 7318-BHU: Rural Renewable Energy Development Project**

Japan Special Fund US\$ 900,000.00

Strategic Agendas Environmentally sustainable growth
Inclusive economic growth

Drivers of Change Gender Equity and Mainstreaming
Private sector development

Sector / Subsector **Energy** / Renewable energy generation - solar - Renewable energy generation - wind

Gender Effective gender mainstreaming

Description

The Project will help Bhutan expand rural electrification for all households, and sustain its operations and energy security through a mix of clean energy supply sourced from hydropower, solar, wind, and biogas. The Project has four components: (1) on-grid rural electrification (RE), (2) off-grid solar RE, (3) establishment and grid-connection of pilot wind power generation mills, and (4) a pilot program to promote biogas plants.

Impact Sustained inclusive growth through widening electricity access

Project Outcome

Description of Outcome Agreed project design and feasibility studies between the Government and ADB

Progress Toward Outcome

Implementation Progress

Description of Project Outputs Assessment of on-grid rural electrification project component
Assessment of off-grid solar rural electrification project component
Assessment of wind power generation project component
Assessment of biogas project component

Status of Implementation Progress (Outputs, Activities, and Issues)

The Consultant's final report was submitted on 21 Jan 2011 which documents all the project preparation and analysis tasks completed that were used as the basis for the RRP of Grant 0228-BHU: Rural Renewable Energy Development Project that was approved on 29 Oct 2011 by the ADB Board of Directors.

Geographical Location

Safeguard Categories

Environment	B
Involuntary Resettlement	B
Indigenous Peoples	B

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	<p>The PPTA will require 36.5 person-months of consulting services (21.5 international and 15.0 national, which will include 7 person-months for an individual national environmental consultant). The consultant team will cover eight areas of expertise: (i) power sector management, (ii) rural electrification engineering, (iii) renewable energy (i.e. solar and bio-gas) management, (iv) wind power engineering, (v) economic analysis and evaluation, (vi) financial analysis and management, (viii) social safeguard development, and (viii) environmental assessment and management. The outline terms of reference are in Appendix 2 of the PPTA concept paper. The study will be implemented over 13 months, from September 2009 to September 2010. A consulting firm or consortium of firms will be engaged by ADB through its quality- and cost-based selection procedures in accordance with the Guidelines on the Use of Consultants by ADB and its Borrowers (2007, as amended from time to time), and the TA-financed equipment will be procured under ADB's Procurement Guidelines (2007, as amended from time to time). A national environmental consultant will be individually recruited in advance under a PPTA's retroactive financing framework to prioritize the project scope through environmental survey and assessment, stakeholder consultation and participatory workshops as approved in the concept paper. The disbursements under the TA will be made under ADB's technical assistance disbursement handbook, (January 2008 as amended from time to time).</p>
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Responsible ADB Officer	Ogino, Kaoru
Responsible ADB Department	South Asia Department
Responsible ADB Division	Energy Division, SARD
Executing Agencies	<i>Department of Energy Thimphu Bhutan</i>

Timetable

Concept Clearance	10 Mar 2009
Fact Finding	28 Apr 2009 to 06 May 2009
MRM	-
Approval	27 Jul 2009
Last Review Mission	-
PDS Creation Date	28 May 2009
Last PDS Update	25 Mar 2012

TA 7318-BHU

Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Jul 2009	19 Aug 2009	19 Aug 2009	30 Sep 2010	31 Mar 2011	31 Aug 2011

Financing Plan/TA Utilization

							Cumulative Disbursements	
ADB	Cofinancing	Counterpart		Project Sponsor	Others	Total	Date	Amount
		Gov	Beneficiaries					
900,000.00	0.00	100,000.00	0.00	0.00	0.00	1,000,000.00	17 Jun 2022	866,164.69

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