



Source: Mainstreaming Climate Resilience into Development Planning (TA 8179)

Climate-Resilient Rural Infrastructure in Kampong Cham Province

*Rural Roads Improvement Project II
(ADB Loan Nos. 3151, 8299, and 8300; Grant Nos. 0401, 0402, and 0467)*

OUTCOME

Safe, climate-resilient, and cost-effective road network that provides all-year-round access

OUTPUT

- Rural roads improved to climate-resilient condition
- Rural road asset management improved
- Rural road safety and awareness program enhanced
- Connectivity improved for Mekong River islands

ADAPTATION ACTIVITIES

- Rehabilitation of roads and jetties to climate-resilient condition
- Incorporation of climate risks in policies and operations

- Preparation of hazard maps to guide rural road maintenance operations
- Preparation of guidance manuals for incorporating climate resilience in road planning, design, and maintenance
- Training in climate change adaptation strategies for rural infrastructure
- Development of a community-based emergency management system
- Development of a framework for climate change adaptation
- Other activities: assessment of feasibility of establishing a rainwater drainage canal system; pilot-testing of micro-irrigation systems and solar pumping systems; assessment of renewable energy potential; installation of solar lighting systems; and conduct of training in community-based tourism, entrepreneurship, and small business development

PROJECT AT A GLANCE

**Executing agency**

Ministry of Rural Development

**Implementing agency**

Ministry of Rural Development

**Budget**

\$192.7 million (PPCR, \$9.0 million grant and \$7.0 million loan; ADB, \$54.0 million; Export-Import Bank of Korea, \$41.0 million; Agence Française de Développement, \$40.0 million; Australia, \$18.5 million; Nordic Development Fund, \$5.4 million; and government, \$17.8 million)

**Target provinces**

Kampong Cham, Tbong Khmum, Takéo, Kampong Speu, Kampong Chhnang, Pursat, Battambang, Banteay Mean Chey, Siem Reap, and Kampong Thom

**Resilience instruments to be developed and tested**

- 240 kilometers (km) of rural roads—193.9 km in Tbong Khmum and 50 km on the five Mekong River islands—to be rehabilitated to climate-resilient condition
- 11 jetties with climate-resilient standards to be rehabilitated or developed
- Micro-irrigation and solar pumping systems to be pilot-tested and implemented to reduce water consumption during the dry season
- Hazard maps and guidance manuals incorporating climate resilience standards and strategies to be prepared
- Community-based emergency management systems to be developed

**Total beneficiaries (no. of women and girls)**

100,000 (51,000)

**Project approval date**

8 August 2014

**Project completion date**

31 December 2020



Source: Ministry of Public Works and Transport

CONTACTS

GOVERNMENT

Ministry of Rural Development

Chan Darong, Project Director
E-mail: darongchan@gmail.com

Song Sophal, Project Manager
E-mail: songsophal.mrd@gmail.com

ASIAN DEVELOPMENT BANK

Shihiru Date, Senior Transport Specialist
E-mail: sdate@adb.org

Ancha Srinivasan, PPCR Focal Point for Cambodia
E-mail: asrinivasan@adb.org



Creative Commons Attribution 3.0 IGO license (CC BY 3.0 IGO)

© 2017 ADB. The CC license does not apply to non-ADB copyright materials in this publication.

<https://www.adb.org/terms-use#openaccess> <http://www.adb.org/publications/corrigea>

Publication Stock No. ARM178998-2

ADB recognizes “Korea” as the Republic of Korea and “Kampuchea” as Cambodia.

Printed on recycled paper
pubsmarketing@adb.org