



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

## Rainwater Harvesting and Drip Irrigation for High-Value Crop Production in Cambodia

*Spice Value Chain Development Project  
(ADB Private Sector Loan Nos. 7415 and 3162)*

### OUTCOME

Increased production of value-added spice products, with raw materials sustainably sourced from smallholder farmers

### OUTPUT

- Investment in the model farm in Battambang, Cambodia, to expand organic black pepper cultivation or for other purposes
- Demonstration of rainwater harvesting ponds and drip irrigation networks for Akay's model farm in Battambang
- Provision of a credit facility to enable local farmers to invest in climate-resilient farming input such as rainwater harvesting and drip irrigation hardware, or in

additional agricultural input such as high-quality seeds, plants, fertilizers, and pesticides

- Investment in infrastructure and provision of technical assistance for the establishment of an out-grower scheme
- Development of an oleoresin extraction plant in Sihanoukville, Cambodia, to process spices for export

### ADAPTATION ACTIVITIES

- Introduction of rainwater harvesting and drip irrigation technologies
- Promotion of climate-resilient agricultural inputs such as high quality seeds (organic spices), plants, fertilizers and pesticides



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## PROJECT AT A GLANCE



### Implementing agency

Akay Flavours and Aromatics Cambodia Pvt Ltd



### Budget

\$29.0 million (PPCR, \$5.0 million loan; ADB, \$6.5 million; commercial banks, \$6.4 million; compulsory convertible debentures ADB, \$10 million; Equity Akay, \$1.1 million)



### Target province

Battambang



### Resilience instruments to be developed and tested

- Rainwater harvesting irrigation technologies



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

- 1,000 out-grower farmers using water harvesting ponds on farms (500)
- 1,000 out-grower farmers using drip irrigation on farms (500)



### Project approval date

4 September 2014



### Project completion date

31 March 2018

## CONTACTS

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