

Solar Powered Drinking Water in Kampot Province

Project Objective

The proposed pilot project from RainWater Cambodia (RWC) and the Sre Chea commune Council aims to effectively demonstrate the appropriateness of solar power for rural communities in Cambodia by improving the water supply within the Sre Chea commune and providing electricity to key community buildings using solar power.

Description

In this project, a solar powered water pump is used. Groundwater will be extracted via a bore-hole and pumped into a water reservoir. The water will then be distributed to 60 households via a gravity pipeline system.

The project will also feature solar panels to provide electricity to the community hall and primary school which are located close to the proposed water source. With the provision of access to electricity, students can study in environments conducive to learning. In addition, the school's computer and other electronic devices can be powered for educational purposes.

Relevance to Country's Energy and Environment Policies

This project is relevant to the Royal Cambodian Government's Millennium Development Goals as well as the Energy and Environment policies. As such, the entire Cambodian population will have access to safe water supply by 2025 and electricity by 2030 towards promoting renewable energy in rural Cambodia.

Innovation and Knowledge Transfer

The renewable solar energy and safe water supply project is new in the rural Cambodian villages. The project is an innovative solution to the lack of safe water and electricity in the Sre Chea commune.

Project Highlights

Project ID	: 3-C-074
Country	: Cambodia
Lead Partner	: RainWater Cambodia
Partners	: Sre Chea Commune Council
Total Project Cost	: € 69,199
EEP Financing (% to total project cost)	: € 55,471 (80%)
Technical Focus	: Renewable energy and Water Supply
Activity	: Solar power, water supply
Duration	: 15 months

There will be extensive training for the beneficiaries regarding water safety, hygiene and renewable energy.

Training from local contractors and entrepreneurs regarding project technology will also be featured as the acquisition of knowledge and skills to replicate the project in other communities is very essential.



Current water sources in Sre Chea (Community pond and hand dug well)

Solar Powered Drinking Water in Kampot Province



Commune building to have solar panels installed.

For more information:

Name of contact person: ***Mr. Pheng Kea***

E-mail: Pheng_kea@yahoo.com

Webpage: www.rainwatercambodia.org