

Ensuring Safe and Resilient Drinking Water Supply Services for Three Communes in Times of Covid-19, Implemented by Teuk Saat 1001, in Tboung Khmum, Kampong Thom, and Siem Reap provinces

Project Background

- Cambodia is highly vulnerable to climate change. 1 cause is the boiling water habit with non-efficient stoves. 70% of rural communities used dry wood or charcoal creating a high rate of deforestation and a bad carbon footprint.
- In 2020, 35% of rural pop in Cambodia lack access of basic water supply, affecting their livelihoods and health.
- TS 1001 model provide safe drinking water at the beneficiaries door step, classifying the water kiosk as a safely managed water supply.
- CCCA 2 financed 3 kiosks as a response to Covid 19 pandemic and to assess the model resiliency regarding the year round provision of safe water.



Overall Objectives

Serving communities with safe drinking water through climate-resilient safely managed water systems and, ensuring continuity of operations even during global pandemic such as Covid-19.

Project Approach



Outputs and key activities

- ✓ 3 sustainable solar panel-powered water kiosks were established in three communes.
- ✓ More than 1500HHs beneficiaries (about 226 HHs with ID Poor I and II)
- ✓ 1050 hygiene items were distributed to 1050 HHs (159 HHs with ID poor I & II)
- ✓ 108 posters and 1050 flyers on hygiene messages were distributed.
- ✓ Door-to-door promotion to 1617 HHs (243 HHs with ID poor I & II) about hygiene messages and the water kiosks operation’.
- ✓ 1 month entrepreneurship training : 10 people acquired and applied new skills to earn a reasonable income.
- ✓ Regular coaching : 1-4 times per month
- ✓ Monthly technical support on water kiosk operation and management
- ✓ Monthly water quality tests confirming compliance with WHO and national drinking water standards, done by and with Teuk Saat 1001 laboratory: 21 water quality tests done.



Key Achievements

- ✓ 3 communes’ inhabitants have access to safe and affordable water, directly at their home freeing women and girls of fetching water for their families.
- ✓ By drinking safe water, households around the water kiosks don’t harm the environment by fetching wood to boil their water.
- ✓ The water sources connected to the water kiosks have the capacity to provide water all year long.
- ✓ 3 Communities received awareness about safe drinking water, climate change related issues, and Covid-19 precautions measures
- ✓ Communities were surveyed on their methods to protect from Covid-19
- ✓ Purification process powered by solar energy.
- ✓ Baseline and endline survey findings: changed behavior and improved health thanks to water kiosks and entrepreneurs engagement.



Lessons Learnt

- Communities switch their habits when receiving the good message
- To ensure sustainability, follow up of the entrepreneurs is a key activity.
- To ensure continuity of production a reserve water source is essential
- The Covid-19 kits (soaps + flyers) strengthened confidence of the communities towards the water entrepreneur
- Franchise commitment to the water kiosks is the key element to provide safe water on a long-term basis to communities

Key Challenges

- The water source assessment by an external provider did not happen due to a cost underestimation
- Due to Covid-19, the water in school program was delayed and did not start as plan
- Covid-19 restrictions prevent the field team to conduct community engagement activities and Endline survey.

Solutions

- The budget was allocated to build additional water sources
- The specific allocation was reserved for when schools were resumed back
- Suitable methodologies were adopted.