

Project Report

**REAM REY WATER PROJECT
PURSAT, CAMBODIA
January 2018 – January 2019**



**Presented to:
WINE INTO WATER**



HOPE International
Development Agency

ホープ・インターナショナル開発機構
HOPE International Development Agency Japan

WATER PROJECT IN REAM REY OVERVIEW

Thanks to HOPE *Integrated Community Development Program* the life of hundreds of families in Ream Rey has dramatically improved. Since the program started in 2018, **40 wells have been installed providing approximately 240 families with access to clean water**. The construction of the wells and 100 compost latrines together with the provision of health and sanitation trainings helped decrease the spread of water-born and bacterial diseases. The well water is used as well to irrigate home gardens, growing nutritious vegetables and fruits that the families have planted. When water and food are secured, people can invest more time and resources into income generating activities and their children's education. In Ream Rey, in addition to water and sanitation, HOPE supported villagers through animal bank, micro-credit programs and school building construction.

PROJECT SUMMARY

Title: Ream Rey Water Project

Period: January 2018 – January 2019

Location: Ream Rey Village, Rokat Commune, Kravanh District, Pursat Province, Cambodia



Objective: Support the neediest families in Ream Rey by providing them with tools and resources to increase standards of living and pursue income generating activities. **Construction of wells to allow rural families to access clean water** is at the core of the integrated community development approach.

Beneficiaries: Approximately 240 families, among which Wine into Water supported approximately 144 families.

PROJECT ACTIVITIES AND OUTCOMES

In late 2017, HOPE Cambodia staff met with families, community leaders, and the local government over several months, working together to create a plan to address the many needs in the village of Ream Rey. Together, they identified key investments that would help the families in the village overcome poverty: clean water, health, education, roads, and opportunities for stronger livelihoods, and the integrated approach started in January 2018.

1. WATER PROVISION: INSTALLATION OF 40 WELLS FOR 240 FAMILIES

(24 WELLS FOR 144 FAMILIES SUPPORTED BY WINE INTO WATER)

From January 2018 until January 2019 HOPE helped villagers of Ream Rey to install 40 wells that are now providing approximately 240 families with clean water. Each well provides clean water to an average of 5-6 families. All families using the well live within 150 meters from the well site. Local families have actively participated to the construction of the well by digging and mixing the cement. They have also taken trainings to learn how to maintain the well. The involvement of the beneficiary families through all stages of the well construction has contributed to build ownership and is essential to ensure the sustainability of the well over the years.

INSTALLATION PROCESS

January – April 2018 (Dry season)

40 wells were dug and installed:

- Digging the wells during the dry season ensures that the wells are deep enough to provide a reliable source of water throughout the year.
- Purchase and transportation of construction material
- Placement of concrete rings in the hole, by qualified well technicians.
- Installation of water pump

May – October 2018 (Rainy season)

- Soil is added to the well surrounding area which will be compacted by the rain.

November 2018 – January 2019 (Dry season)

- Installation of the well apron (concrete surrounding of the well, to prevent water contamination).

The construction of the 40 wells was achieved in January 2019.

Moreover, 100 composting latrines have been constructed to increase sanitary habits, whereas toilets were non-existent. The latrines, built at least 30 meters away from the well to avoid water contamination, provide a safe solution to waste management, decreasing the spread of bacterial diseases. The latrines will also provide fertilizer for home gardens once the waste has undergone a year-long process of composting.



PROJECT ACTIVITIES AND OUTCOMES (continued)

2. HEALTH AND SANITATION EDUCATION TO APPROXIMATELY 240 FAMILIES

(144 FAMILIES SUPPORTED BY WINE INTO WATER)

Access to clean water is key to a healthy life. However, to maximize its benefits, people should adopt good hygiene practices that prevent the development and spread of diseases. During and following the installation of wells and latrines, HOPE staff have visited the users regularly, providing trainings about water use and well maintenance, as well as health and sanitation practices. Trainings included topics such as water-borne diseases (cause, symptoms, prevention), proper maintenance of the wells and the latrines, good practice of using and conserving water, and basic hygiene habits. Resources such as posters were deployed for easier understanding. HOPE also trained some of the villagers to act as focal points and trainers on health and hygiene practices to build knowledge inside the groups, ensuring ownership and sustainability.

3. HOME GARDENING STARTED BY 40 FAMILIES AND

ADDITIONAL 200 FAMILIES TRAINED ON HOME GARDENING TECHNIQUES

(24 AND 120 FAMILIES SUPPORTED BY WINE INTO WATER)

Families that received a well also received seeds and tools to start home gardens that can be irrigated using the well water. HOPE offered trainings on techniques for better cultivation, alongside tools and seeds allowing the families to plant a variety of nutritious vegetables and fruits that could not be grown before. The home gardens increase food security and nutrition quality of the families and when crops are more than necessary to satisfy the families' needs, they are sold on the local markets, thus becoming source of income.



Phorn Kagna and Soeun Sinat's Story

Phorn Kagna and Soeun Sinat are mom and dad to a big family. They have four children of their own and have been caring for three orphaned nieces ever since their parents abandoned them. The youngest child is 3 years old. Phorn Kagna's elderly aunt, Pein Proem, with no one to care for her, has also become part of Phorn Kagna's family. It was not easy to provide for so many people. Phorn Kagna and Soeun Sinat worked hard, finding wood in the jungle to sell or taking any labour jobs they could find in the town centre or from middlemen. For all their efforts and hard work, they struggled to make \$50 each month, which simply was not enough to feed the big family.

This year, things have changed for Phorn Kagna and her family when HOPE started working in her village. She was selected to receive a well and a latrine right by her home; the well was completed in April 2018. With the well, the family now has access to a plentiful supply of clean water. Before, they had to make multiple trips each day to a river, to rice fields, or to a canal along a small oxcart path. They were often sick with waterborne diseases; with the fresh water from the well, the family is in better health. They have also received a water buffalo,

which is helping them to plough their rice fields. The family has started a vegetable garden, which they can water using the water from the well. With quality seeds and skills for cultivation, Phorn Kagna's garden is already thriving with abundant harvests of nutritious crops. They have been able to sell extra vegetables at the market; with the earnings, they have already bought 2 bicycles and a used motorbike, which will help them bring crops to the market more easily. Pein Proem, the grandmother, makes rice cakes to sell in the village too.



These are big changes for Phorn Kagna's family. Phorn Kagna feels relief to be able to support her family. Her aunt is also happy with the new family business of selling crops at the market; now she can also contribute to the family's well-being by helping to make rice cakes to sell. Phorn Kagna's children and nieces are attending classes at the new school in Ream Rey. The family is hopeful for what the future holds.

LIST OF BENEFICIARY FAMILIES supported by Wine into Water

Update of Water Project in Ream Rey Village (as of January 2019)								
Name of family		Well		Health Education	Latrine installation	Home Garden		
		Installation	Maintenance training			Training	Provision of Seeds & tools	crop harvest (no. of times by Jan.2019)
1	Seom Men	Done	Completed	Completed	Done	Completed	Done	Twice
2	Yeom Bin	Done	Completed	Completed	Done	Completed	Done	Twice
3	Vann Kheam	Done	Completed	Completed	Done	Completed	Done	Twice
4	Iem Koem	Done	Completed	Completed	Done	Completed	Done	Twice
5	Ma SokHim	Done	Completed	Completed	Done	Completed	Done	Twice
6	KaeB Nhob	Done	Completed	Completed	Done	Completed	Done	Twice
7	Seng VichiKa	Done	Completed	Completed	Done	Completed	Done	Twice
8	Thaong Savuth	Done	Completed	Completed	Done	Completed	Done	Twice
9	Harch Hay	Done	Completed	Completed	Done	Completed	Done	Twice
10	Yin Sary	Done	Completed	Completed	Done	Completed	Done	Twice
11	Ry Chek	Done	Completed	Completed	Done	Completed	Done	Twice
12	Seum Nan	Done	Completed	Completed	Done	Completed	Done	Twice
13	Nan Nath	Done	Completed	Completed	Done	Completed	Done	Twice
14	Ngoun Roun	Done	Completed	Completed	Done	Completed	Done	Twice
15	Seun Sinath	Done	Completed	Completed	Done	Completed	Done	Twice
16	Morn Ram	Done	Completed	Completed	Done	Completed	Done	Twice
17	Run Da	Done	Completed	Completed	Done	Completed	Done	Twice
18	Kong Sarin	Done	Completed	Completed	Done	Completed	Done	Twice
19	Phat Sal	Done	Completed	Completed	Done	Completed	Done	Twice
20	Choun SoKheun	Done	Completed	Completed	Done	Completed	Done	Twice
21	Kheun Sokha	Done	Completed	Completed	Done	Completed	Done	Twice
22	Som SoPhea	Done	Completed	Completed	Done	Completed	Done	Twice
23	Heum Seun	Done	Completed	Completed	Done	Completed	Done	Twice
24	Sen Seun	Done	Completed	Completed	Done	Completed	Done	Twice

PROJECT COST

The cost per well was USD1,551.37 / ¥176,948 including the hard of costs of the well installation itself and the soft costs involving the screening, training, and the coaching/ monitoring of recipient families.

The 4,250,000 Yen support from Wine into Water covered the costs for approximately 24 wells.

Please refer to the financial report below for details.

FINANCIAL REPORT for Cambodia Ream Rey Water Project (2018)

USD1.00=¥113.9300

Cost Item	Value in USD	Value in JPY
Well Installation: 40 wells in the year	26,340.00	¥ 3,000,916
Site Selection / Labour	336.00	¥ 38,280
Rings	11,436.00	¥ 1,302,903
Ring Installation / Labour	448.00	¥ 51,041
Cement - Ring Seal	136.00	¥ 15,494
Steel	1,044.00	¥ 118,943
Well Lid	224.00	¥ 25,520
Rope Pump	5,236.00	¥ 596,537
Apron Installation / Labour	728.00	¥ 82,941
Cement - Apron	2,244.00	¥ 255,659
Gravel	2,104.00	¥ 239,709
Sand	560.00	¥ 63,801
Wire	112.00	¥ 12,760
Brick	1,168.00	¥ 133,070
Home Gardening Seeds & Tools	376.00	¥ 42,838
Home Gardening Training Materials	188.00	¥ 21,419
Cambodia Administration	35,291.50	¥ 4,020,761
4 Staff Salary	28,235.00	¥ 3,216,814
Guard and cleaner	1,170.00	¥ 133,298
Driver	1,105.00	¥ 125,893
Motorcycle and vehicle fuel and maintenance	1,551.50	¥ 176,762
Truck fuel and maintenance	898.00	¥ 102,309
Staff Sector Training	150.00	¥ 17,090
Office Supplies	321.50	¥ 36,628
Communication	104.50	¥ 11,906
Office Rent and Utilities	1,756.00	¥ 200,061
Community Participation	423.50	¥ 48,249
Cambodia Costs Total	62,055.00	¥ 7,069,926
Overseas Bank Transfer fees		¥ 8,000
TOTAL COST for HOPE-JP	62,055.00	¥ 7,077,926
Average cost per well	1,551.37	¥ 176,948

Designated Funds received from Wine into Water covered cost for approx. 24 wells Including home gardens	16 January 2019	¥ 2,000,000
	25 March 2019	¥ 2,000,000
	27 March 2019	¥ 250,000