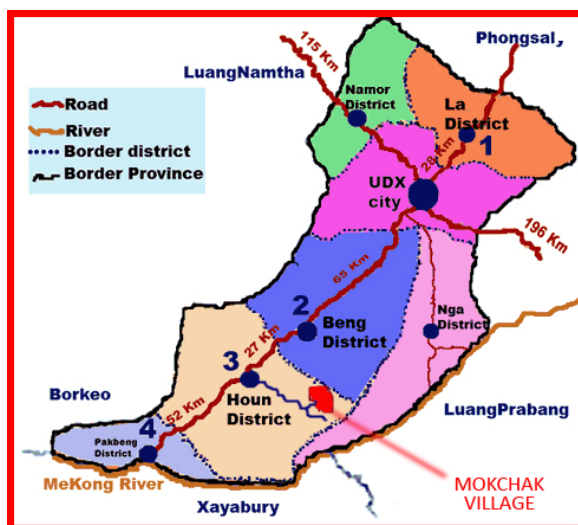


LAO REHABILITATION FOUNDATION

**MOKCHAK VILLAGE WATER PROJECT**  
Oudomxay Province, Houn District, Lao PDR

**REPORT**  
FEBRUARY 2012



## **I. BACKGROUND INFORMATION**

### **1. The Village**

Mokchak village accessible only by four wheel drive is located at 24 Km of Houn, in Houn District in Oudomxay province, Lao PDR. The village is home to 507 Khamou ethnic people (F 236). It houses 102 families in 82 houses. There are a few septic systems in place, usually shared by 3 or 4 families, but unusable at the moment as there is no water available at proximity. There is no electricity in the village. There is an elementary school with 103 students, a septic system installed near the school, but once again with no access to water.

The economy is essentially farming, 70% of it dry farming corn on the hill slopes (slash and burn) and 30% rice farming in the valley around the village. The main income comes from selling corn; it averages \$200 per family per year.

## 2. Road Access



20 Km of dirt road from Houn and 4 km of difficult road to the village.

## 3. Village Structures



82 houses built of bamboo on stilts



1 elementary school

#### 4. Water Access prior to Implementation of the Project



A small river where people do their bathing and laundry runs near the village from July to April (no water for 4 months). The water is evidently not potable.



An artesian well with potable water reaching the ground surface has been running off and on for nearly 30 years. The World Bank provided funds in 2003 to build a concrete enclosure to contain the water (see above). It is located at 200 meters from the village. Unfortunately, there are irrigated rice fields between the well and the village making its access difficult particularly during the rainy season. Furthermore, the well produces only very little water from March to June.

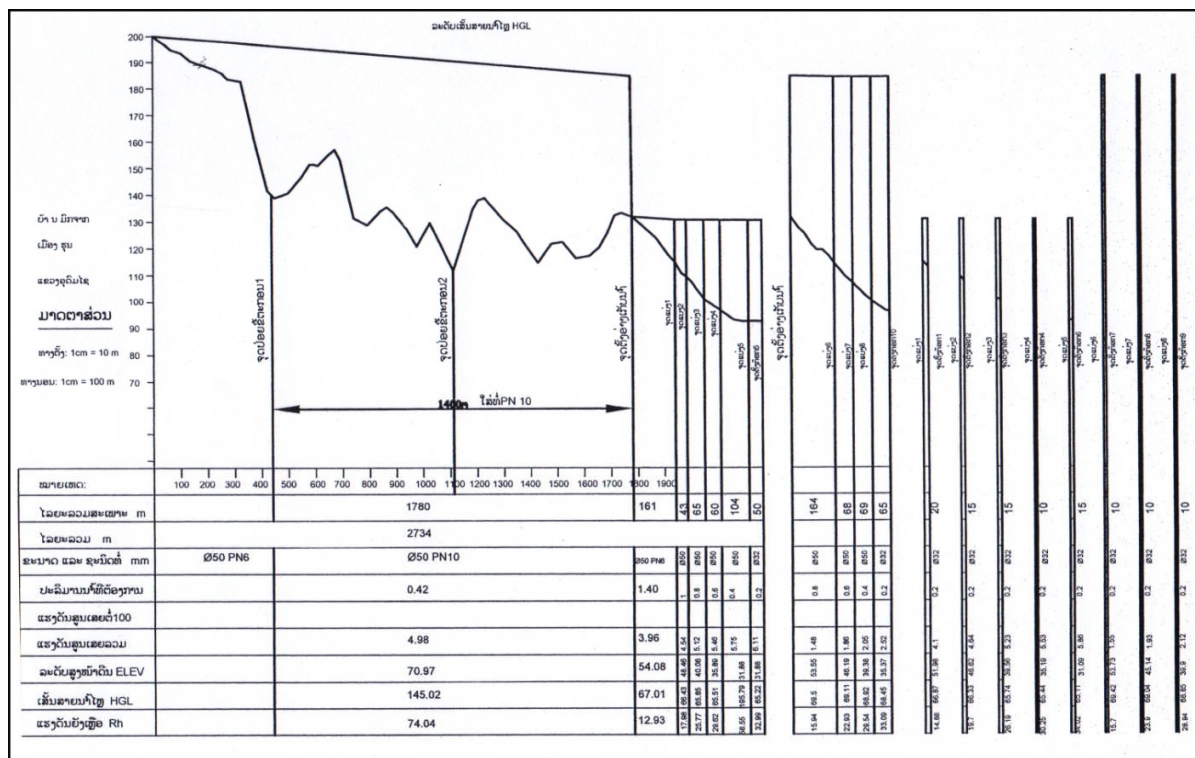




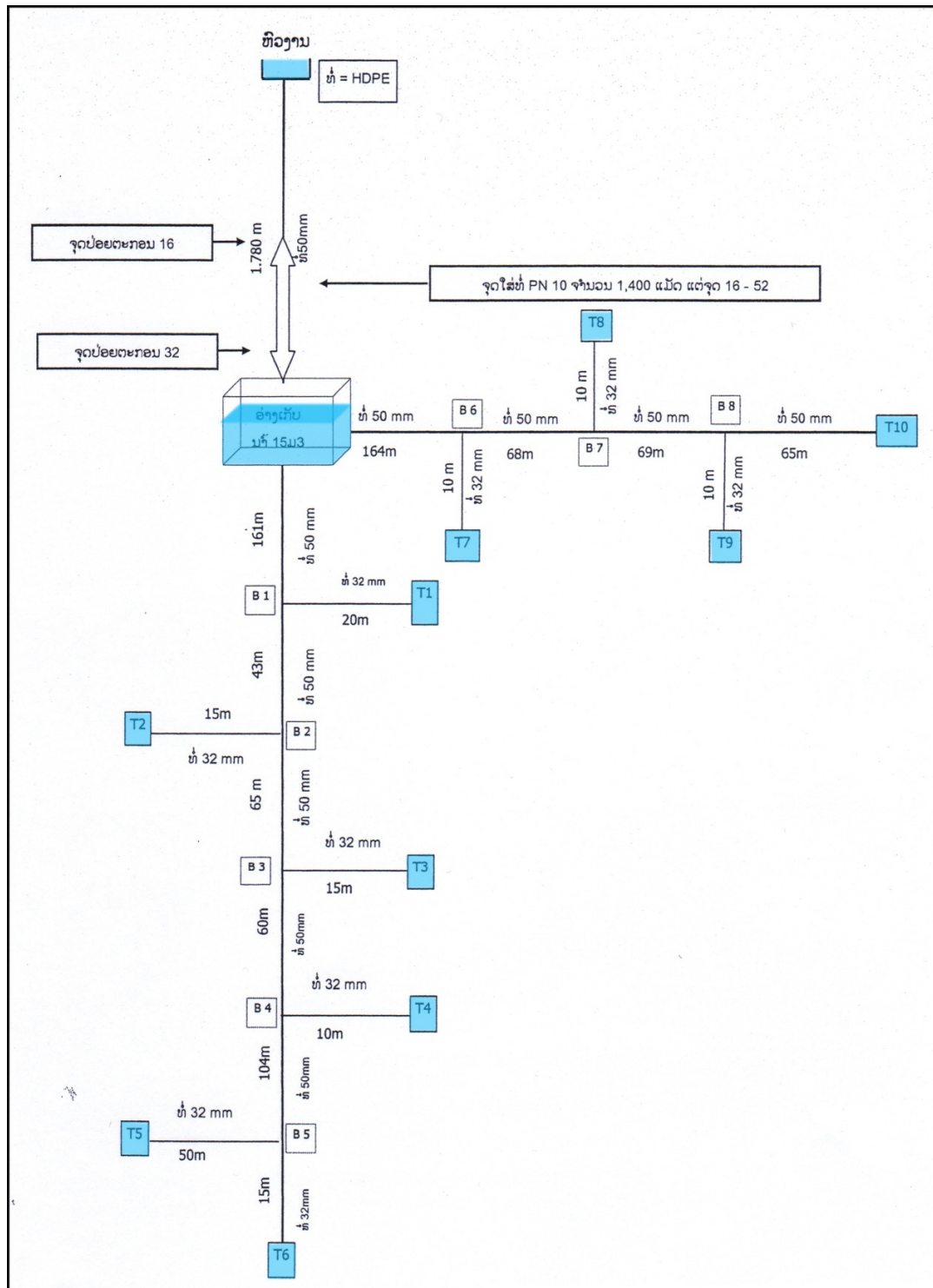
Children spend much of their time daily fetching water for their household needs.

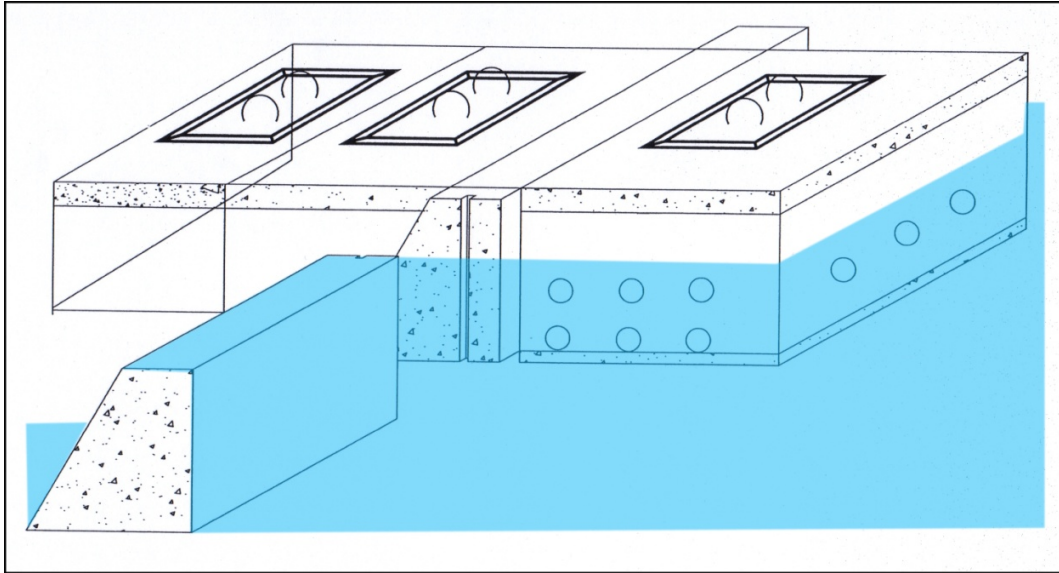
## 5. The Project: Sustainable Gravity-Fed Water System

Abundant water supply available year round was identified in the surrounding hills at a distance of about 3 Km and at an elevation of nearly 100 m above the village center.

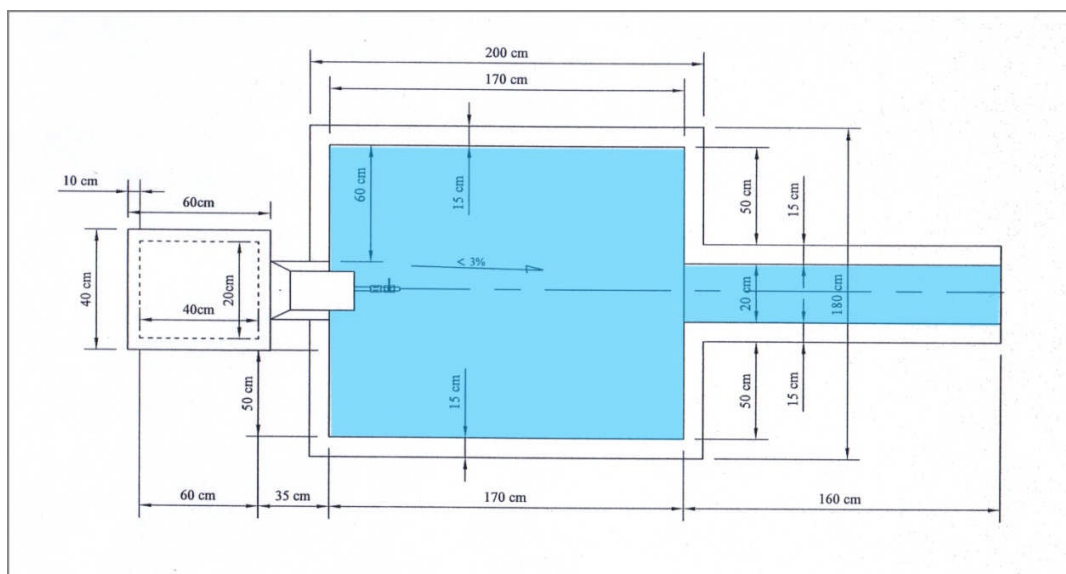


Water to be captured at the source, pipelined underground to a collecting concrete tank and distributed through 10 outlets located near the houses and the school.





Water captured and filtered at the source



Water outlet stations in village and at school (10 units)

## **II. OBJECTIVE**

To improve the overall health of people in remote villages by giving villagers access to clean drinking water.

## **III. PARTNERS**

Provincial Level: Department of Oudomxay Provincial Public Health (Water Unit)  
District Level: Department of Houn District Public Health  
Village Level: Head of Village, Head of Youth, Volunteer Health Worker

## **IV. MATERIAL**

All materials used were of standard quality selected from one of three bidding companies.

Labor, wood for framing and some additional material was provided by villagers.

## **V. ACTIVITIES PERFORMED**

1. Cooperation between Lao Rehabilitation Foundation, Provincial, District and Village levels began in March 2011.
2. Survey was conducted by Oudomxay Water Unit Team on May 16, 2011.
3. Construction started on December 26, 2011 under the management and supervision of Oudomxay Provincial Unit engineers, with the participation of Oudomxay Public Health Department of Houn District and workers selected by the chief of the village.
4. Memorandum of Understanding between LRF and Oudomxay Provincial Public Health was signed on December 8, 2011.
5. Implementation took 35 days and project was completed on February 1, 2012.

## **VI. CONSTRUCTION PHASES**

1. Construction of dam and decanting tank at spring area (3.0m x 3.1m x 0.7m).
2. Dig ditch (2.900m) and bury pipe (diam 50) from spring to village and from large tank to 10 taps in village.



**3. Construction of concrete tank (3.60m x 3.60m x 1.50m), net content 15,000m<sup>3</sup>. (Flow rate: 18L/minute).**



**4. Construction of 10 taps at determined locations in the village (1 tap at primary school)**



**5. Educate villagers on how to take care of and properly use the system. Ten groups of three people have been selected, trained and received tools to maintain the system.**



## **VII. BUDGET AND EXPENDITURE**

The total budget for this project was 17,612 USD (Seventeen thousand six hundred and twelve USD).

Lao Rehabilitation Foundation funded 12,515 USD (71%) and the local community funded 5,097 USD (29%).

## **VIII. HAND-OVER**

A hand-over ceremony was held at the center of the village on February 9, 2012. Dr. Luc Janssens, president of Lao Rehabilitation Foundation handed-over the project to Mr. Khamdy Vonglom, Chief of Houn District Community Party, in the presence of Dr. Bounlian Vongpasith, Deputy Director of Oudomxay Provincial Public Health, Houn District Public Health Water Unit, Head of the village and villagers.



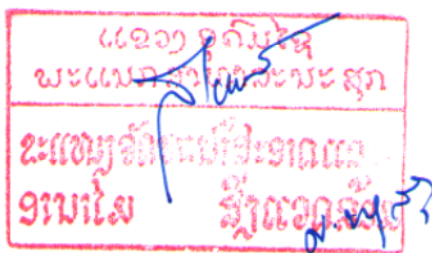
## IX. OUTCOME

1. The project is providing clean drinking and cooking water to more than 500 Khamou people living in this village.
2. Primary school now has clean drinking water at proximity.
3. Access to clean drinking water will decrease the burden of women and children to bring water to the village.
4. Cases of diarrhea and typhoid fever will significantly decrease.
5. Overall living conditions in the village will significantly improve, especially for children.

## X. RECOMMENDATIONS

Lao Rehabilitation should continue to provide funding for water projects for other villages without water and consider funding public latrines at Mokchak village.

Head of Cleaning Water Unit



Reporter

A blue ink signature of Phetsamone Indara.

Phetsamone Indara, M.D

Director of Oudomxay Provincial  
Public Health Department



ດຣ. ບຸນລຽນ ວົງປະ ສິດ  
Dr. BounLian VONGPASITH



## LIFE IN THE VILLAGE BEFORE IMPLEMENTATION OF THE PROJECT



## LIFE IN THE VILLAGE AFTER IMPLEMENTATION OF THE PROJECT







### **Clean Water Reaches Rural Oudomxay**

The more than 500 residents of Mokchark village in Houn district, Oudomxay province, hope their new gravity-fed water system, which became operational last week, will lower the risk of infection from waterborne diseases.

Installation of the new clean water system, which was completed in January, cost about US\$17,525. The Lao Rehabilitation Foundation of the United States provided US\$12,515, or 71 percent of the total funding, while the villagers raised the remaining US\$5,010, or 29 percent.

An official from the provincial Health Department, Dr. Bounlien Vongpasith, said the gravity-fed water system will improve the living conditions of local people.

“In particular, it will mean that women won't have to travel to fetch water that is far from their homes,” he said, adding that children will have clean water to drink, which will reduce their risk of falling ill from diarrhea, typhoid, dysentery, parasites and other ailments. In the past, the people of Mokchark village, who are of Khmu ethnicity, did not have access to clean water or latrines.

The handover ceremony for the clean water system was held last week, attended by President of the Lao Rehabilitation Foundation Dr. Luc Janssens and Houn district Governor Mr Khamdy Vonglom.

By **Xayxana** Leukai  
February 15, 2012





### ເວລາຈັດຕັ້ງປະຕິບັດ:

➢ ບ້ານ ມົກຈາກ ວັນທີ 17 - 18 / 01 / 2012. ໃຊ້ເວລາ 2 ວັນ.

### VI: ວິທີການຈັດຕັ້ງປະຕິບັດ.

- ແຈ້ງໃຫ້ທາງຫ້ອງການສາທາລະນະສຸກເມືອງ
- ສະເໜີຈຸດປະສົມ ແລະ ເປົ້າໝາຍໃຫ້ຫ້ອງການສາທາລະນະສຸກເມືອງ ພ້ອມທັງທຶນງານຂັ້ນເມືອງ
- ພົບອຳນາດການປົກຄອງບ້ານ, ສະເໜີຈຸດປະສົງ

### - ວິຊາການເລີ່ມກໍ່ສ້າງໂຄງການ ແຕ່ວັນທີ 8 / 01 - 18 / 01 / 2012

1. ຫົວງານ: ການກໍ່ສ້າງຫົວງານກໍ່ສ້າງດ້ວຍເບຕົງເສີມເຫຼັກ ມີລວງກວ້າງ 4 ແມັດ. ແລະ ກໍ່ສ້າງສຳເລັດ 90 % ຂອງໜ້າວຽກຫົວງານ.
2. ທ່າສິ່ງນຳ: ສຳເລັດການຂຸດຮ່ອງທໍ່ຈາກຫົວງານ ຫາ ອ່າງ ຍາວ 1.800 ແມັດ, ເລິກ 0.6 ແມັດ. ສຳເລັດ 100% ພ້ອມທັງ ວາງທໍ່, ຕໍ່ທໍ່ ຈາກຫົວງານ ເຖິງອ່າງເກັບນ້ຳ ສຳເລັດ 100%
3. ອ່າງເກັບນ້ຳ: ກໍ່ສ້າງອ່າງເກັບນ້ຳ ຂະໜາດ 15 ແມັດກ້ອນ, ເບຕົງເສີມເຫຼັກ
4. ກ້ອນນ້ຳສາທາລະນະ. ສຳເລັດການຕັດທໍ່ສູນກຽວ ປະກອບກ້ອນ ແລະ ຕີແບບກ້ອນ.

### VII: ຜົນໄດ້ຮັບ:

1. ຫົວງານກໍ່ສ້າງສຳເລັດ 90 %
2. ທ່າສິ່ງທັງໝົດ 80%
3. ອ່າງເກັບນ້ຳ ສຳເລັດ 100%
4. ກ້ອນນ້ຳ ສຳເລັດ 30%

#### ☛ ໜ້າວຽກທີ່ຍັງຄ້າງ:

1. ຫົວງານ ຍັງເກັບວຽກໂບກລະອຽດ ແລະ ຕົບແຕ່ງໃຫ້ຈົບງາມຕາມແບບ.
2. ທ່າສິ່ງ: ຖິ້ມທໍ່ແຕ່ຫົວງານຫາອ່າງ ແລະ ຂຸດຮ່ອງທໍ່ບ່ອນບໍ່ໄດ້ມາດຖານ, ຕິດຕັ້ງບັອກຈຸດປ່ອຍຕະ ກອນແລະ ຂຸດຮ່ອງວາງທໍ່ຈາກອ່າງຫາກ້ອນນ້ຳແຕ່ລະຈຸດ.
3. ອ່າງເກັບນ້ຳ: ຕໍ່ທໍ່ນ້ຳເຂົ້າອ່າງ ແລະ ທໍ່ນ້ຳອອກອ່າງ.
4. ກ້ອນນ້ຳ: ເທເສົາກ້ອນນ້ຳ, ລານກ້ອນ ແລະ ໂບກໃຫ້ຈົບງາມ.

#### ☛ ດ້ານດີ:

- ທາງໂຄງການໃຫ້ການສະໜັບສະໜູນທາງດ້ານງົບປະມານເຂົ້າໃນ ກິດຈະກຳການກໍ່ສ້າງນ້ຳລືນຢູ່ ບ້ານເປົ້າໝາຍ.



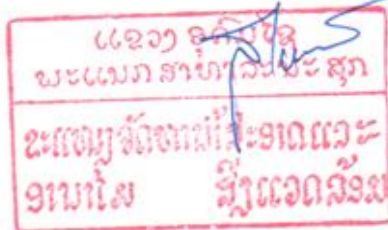


- ທາງພະແນກສາທາລະນະສຸກແຂວງແຂວງໄດ້ອຳນວຍຄວາມສະດວກບຸກຄະລະກອນພ້ອມທັງພາຫະນາເດີນທາງ.
- ພະນັກງານວິຊາການພາກສະໜາມໄດ້ເອົາໃຈໃສ່ຕໍ່ໜ້າທຳການຢ່າງມີຄວາມຮັບຜິດຊອບສູງ.
- ອຳນາດການປົກຄອງ, ຄະນະຮັບຜິດຊອບຂັ້ນ ບ້ານກໍ່ໄດ້ໃຫ້ຄວາມຮ່ວມມືເປັນຢ່າງດີ.

ອຸດົມໄຊ ວັນທີ 19 / 01 / 2012

ຜູ້ລາຍງານ

5. ຫົວໜ້າຂະແໜງນໍ້າສະອາດແຂວງ



໒. ພູ ສາ

*[Handwritten signature]*



LAO PEOPLE DEMOCRATIC REPUBLIC  
PEACE INDEPENDENCE DEMOCRACY UNITY PROSPERITY

Oudomxay Provincial Public Health

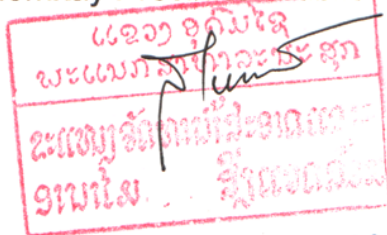
No. **284** /OPPH

Date: **25 FEB 2012**

## RECEIPT

This is to acknowledge that we have received US\$12,515 (twelve thousand five hundred and fifteen USD) is cash from Dr. Luc Janssens, president of Lao Rehabilitation Foundation, Inc. In partial support for the final funding 100% for material construction, construction supervision and monitoring Water Project for Mokchak village, Houn district Oudomxay province.

Head of Water Unit  
Oudomxay Provincial Public Health



ດຣ. ພິມມະ

Director of  
Oudomxay Provincial Public Health



ດຣ. ຄຳພັນ ໄຊຍະວົງ  
Dr. Khamphan XAYAVONG



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ  
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນາຖາວອນ

ແຂວງ ອຸດົມໄຊ  
ເຈົ້າເມືອງ ເມືອງຮຸນ

# ໃບຍ້ອງຍໍ

ເລກທີ... 09/ຈນ...

ເຈົ້າເມືອງ ເມືອງຮຸນ

ນອບໃບຍ້ອງຍໍໃຫ້..... DR. Luc Janssens ..... ປະທານມູນນິທິພັດທະນາພາຍລາວ.....  
ເພື່ອຍ້ອງຍໍຜົນງານດີເດັ່ນ..... ໃນການໃຫ້ທຶນຊ່ວຍເຫຼືອກໍ່ສ້າງນ້ຳລົ້ນ. ບ້ານ. ມີກຈາກ. ເມືອງຮຸນ...  
ຈຳນວນນູນຄ່າ 12.515 ໂດລາ ..... ປະຈຳປີ 2014.....

ຜົນງານດັ່ງກ່າວ ໄດ້ບັນທຶກໄວ້ໃນປຶ້ມຄຳປະຫວັດສາດຂອງເມືອງ ເມືອງຮຸນ.

ເມືອງຮຸນ, ວັນທີ... 02 FEB 2012.....

ເຈົ້າເມືອງ ເມືອງຮຸນ



ຮ່ວມໃຈພັດທະນາເມືອງຮຸນ