

## Final Report Safe Water Program Phase II / 2015 - 2017

Project Partner [ECCA](#), Kathmandu, Nepal

Sponsoring Partner Victorinox, Switzerland, CHF 30'000 over three years

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### Report

#### 1. Project Goals

The project aimed at improving the hygienic environment by providing safe drinking water to schools and the related local communities.

The program's concept was based on four pillars:

- a. Education:
  - i. Declare "Safe Water School"
  - ii. Water conservation and management
  - iii. Proper storage of treated drinking water
  - iv. Hand washing
  - v. Training of teachers and students
- b. Infrastructure:
  - i. Separate water tank for chlorinating (and storing) drinking water from related piping system installed; facility for proper hand washing
  - ii. Develop mechanism to assure smooth and sustainable operations and maintenance of facilities
  - iii. Adequate water supply
- c. Application:
  - i. Local production of chlorine solution
  - ii. Tulip filter
  - iii. Soap for hand washing



- d. From School to Community:
  - i. Mobilisation of school based on Children Club
  - ii. Sampling of water quality in the community
  - iii. Sensitisation activities, such as interaction with various stakeholders outside the school, promoting and selling water disinfectant products, social marketing activities, etc.

The aim of this second phase was to on-board an additional 15 schools to the 20 schools already on-boarded in Phase I. In addition, the first 20 schools had to be supported throughout Phase II in order to maintain the results achieved up to year-end 2014. The on-boarding activities include the following topics:

- a. Training / orientation for teachers and students on the use of the WATA device and chlorine solution production
- b. Training on the use of chlorine solution, water and sanitation, hand washing, water conservation and management, point of use treatment, proper storage of treated water
- c. Nature Club management training for the nature club members for sustainable management of club and active participation in social mobilisation activities



The project also included the duty for ECCA to perform water quality tests, organise awareness raising activities, develop resource material and make regular follow-up and monitoring visits.

The main quantitative objectives were:

	2015	2016	2017
# of staff & students benefitting within new and existing schools	10'300	11'800	13'300
WATASOL bottles sold in new and existing schools	5'153	5'886	6'887
WATASOL bottles sold in the communities	3'885	4'233	4'935
Refresher Trainings for existing schools	20	25	30
Awareness raising events and activities	62	62	62

ECCA provided half-yearly reports on the progress made.

## 2. Results achieved

Key results at a glance:

- WATASOL technology successfully implemented in 25 schools
- More than 15'500 people gained access to clean drinking water on a sustainable basis (within the schools)
- Additional 57'000 bottles of WATASOL produced for sale and free distribution
- Awareness on the importance of safe water raised within and outside the schools

At the end of 2017, phase II of the Safe Water Program was successfully concluded within its budget of a total of CHF 30'000 over three years. ECCA has done a great job with the integration of 15 new schools besides its support to the existing 20 schools. There was though one drawback regarding the number of schools with the Safe Water Program: six schools have dropped out again of the program as another international NGO introduced ultrafiltration systems free of charge combined with a 10-year period covering chemicals, replacement parts and maintenance. Another four schools merged or were closed down. All these schools were part of the Phase I project. It means that as of end of December 2017, a total of 25 schools are still supported through this project.

Besides the provision of safe water in all schools covered by the program, almost 33'000 bottles of WATASOL were sold within the school and the community. This amounts to approximately 7.9 million litres of safe water provided through treatment of water with WATASOL. Another 24'000 bottles of WATASOL were distributed for free since the important earthquakes in 2015. At the beginning, this free distribution took place right after the earthquake for all impacted people. Thereafter, free distribution continued to families in need, as many did not recover from the earthquake damage. Overall, assuming that a household would need 20 litres of safe water per day, the safe water provided over the program's three year period would fulfil the needs of approximately 625 households per year, reached within the surrounding communities and in addition to the core program.



**पिउने पानी सर्वेक्षण**

विद्यालयको नाम श्री हरि तिमल माध्यमिक विद्यालय कक्षा १०औं उमेर १५  
 परिवार संख्या ५ तिथि २०१७/१२/१८

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सर्वेक्षण  
 तपाईंको नाम: \_\_\_\_\_  
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 तपाईंको सम्पर्क नम्बर: \_\_\_\_\_  
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Surveys conducted before and after the implementation of the program within schools demonstrate a positive impact on the awareness and behaviour with regard to the safe water issue.

After our project visit in February 2017, we introduced a new measure: amount received from sales of WATASOL bottles by the nature club members. Given that very low prices were applied, the initial target was achieved by 53% only, resulting in approximately CHF 600. This money was then used (by the students) to organise and / or participate in other events related to their club's activities.



Looking at the quantitative objectives and results, the following can be shown:

	2015		2016		2017	
	Target	Result	Target	Result	Target	Result
# of staff & students benefitting within new& existing schools	10'300	9'445	11'800	13'278	13'300	15'591
WATASOL bottles sold in new and existing schools	5'153	4'103	5'886	6'972	6'887	6'436
WATASOL bottles sold in the communities	9'037	9'550	10'120	11'792	11'822	11'615
Refresher Trainings for existing schools	20	20	25	25	30	40
Awareness raising events & activities	62	74	62	124	62	129

One can see that in most cases, the objectives were easily exceeded. As a general tendency, results were better in newly on-boarded schools than in existing ones. This shows that on-going attention is needed.

### 3. Lessons learned for dropforlife

One of dropforlife's aims is to support projects with a sustainable impact, ideally with an entrepreneurial aspect. During our third project visit, we transparently addressed this issue with our project partner ECCA. We agreed that going forward, sales proceeds of WATASOL bottles would be reported. Not to finance the project itself, but at least show that the project could generate benefits for the nature clubs and instil some entrepreneurial spirit. Nevertheless, we realise that this is very difficult in the context of a school environment and a project partner deeply anchored in the non-profit world.



dropforlife being outside the project country, we learned very late about the “problematic situation” with the schools being provided with new water purification systems and therefore dropping out of ECCA’s portfolio. It is therefore crucial to have local project partners being on top of happenings and to foster close exchange of information with our project partners.

Overall, the program was successful based on its very efficient education and awareness program within schools, and namely with the education of children impacting and shaping the future. ECCA is a wonderful project partner for practical and on-the-ground awareness and education programs. The number of individual beneficiaries reached amounted to almost 62’000 per year.

