

# Safe Drinking Water Program

## Report 2024 - 2025

Submitted to: Tareno AG, Switzerland

Submitted by: [prachet.shrestha@gmail.com](mailto:prachet.shrestha@gmail.com), ECCA, Jwagal, Kopundol, Lalitpur, Nepal  
(January 3, 2025)

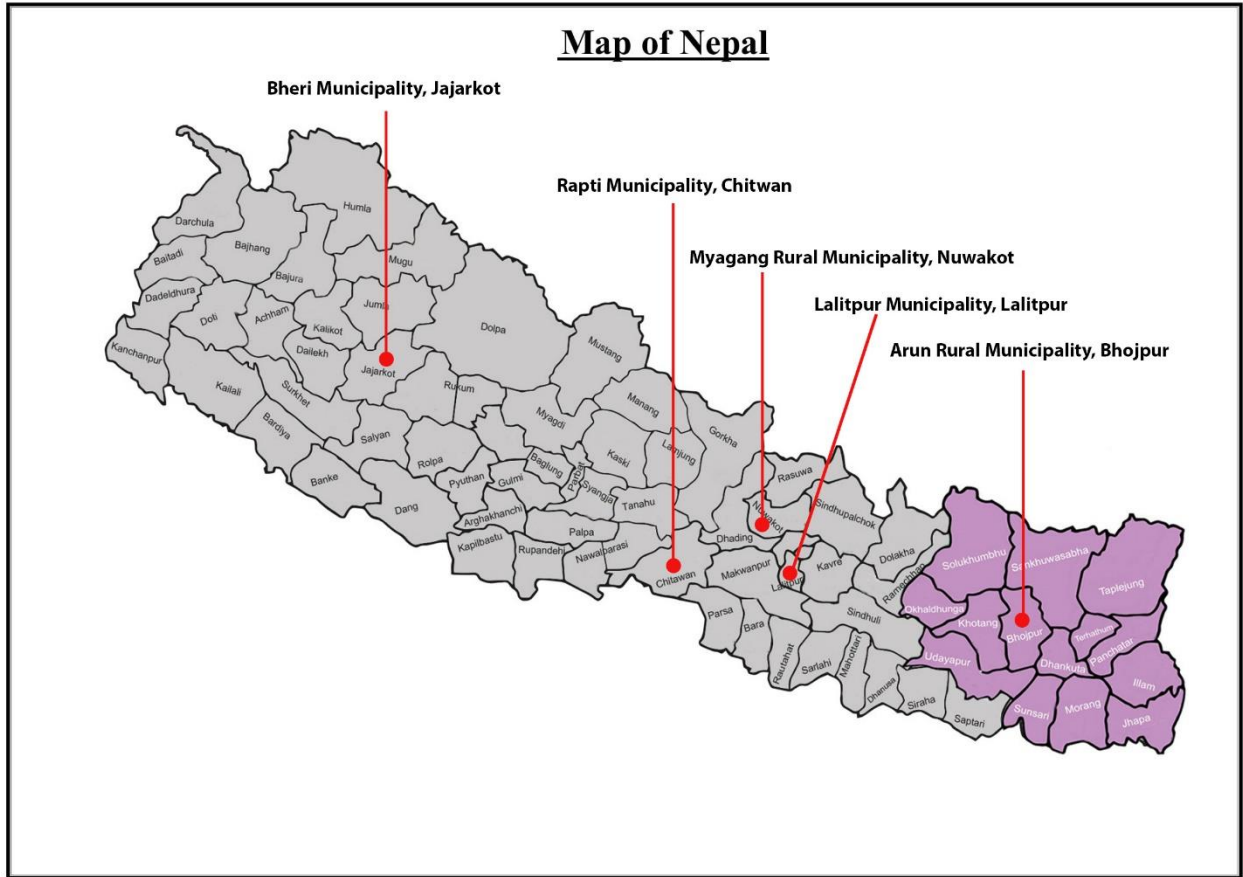
### Activities Implemented

#### 1. Management of water filter



The stainless steel water filter body and Tulip ceramic candles (developed by Netherlands based <https://www.basicwaterneeds.com/tulip-technology/>) were purchased separately and assembled in ECCA office. This Tulip candle has 3-layer system (Silver impregnated; Granular Activated Carbon; and outer ceramic (diatomaceous earth)) and hence can remove bacteria, turbidity and protozoa. It complies with WHO standards. Depending on the number of users, 13 liter and 18 liter capacity water filter was provided, in which 1 and 2 ceramic candles were fitted respectively. To educate the school teachers/students on how to clean this Tulip ceramic candle, sticker was designed and printed (which illustrated the cleaning procedure). This sticker was pasted on the upper half of the water filter body while Tareno logo was pasted on the lower half.

Required no. of water filters were then transported to the targeted villages / schools.



## 2. Providing water filter fitted with Tulip ceramic candle

This time, ECCA targeted the schools outside Kathmandu Valley, since there is much need there. The targeted schools were in different regions of Nepal.

District	Municipality and local ward	Distance from Kathmandu
Chitwan	Rapti Municipality, ward 12	185 km
Nuwakot	Myagang Rural Municipality	80 km
Jajarkot	Bheri Municipality	625 km
Bhojpur	Arun Rural Municipality, ward 2	400 km

S.N.	School Name	Address	18 liter capacity (fitted with 2 Tulip ceramic candles)	13 liter capacity (fitted with 1 Tulip ceramic candles)	Tulip ceramic candle
1	Rastriya Basic School	Rapti Municipality, ward 12, Chitwan	4		8
2	Bhabisya Nirman Basic School		4		8
3	Ganesh Secondary School		12		24
4	Rastriya Basic School		4		8
5	Chandradevi Basic School	Myagang Rural Municipality, Nuwakot	3	2	8
6	Baghbhairum Basic School		3	2	8
7	Bidhyoparjan Basic School		1	2	4
8	Dhaneshwori Basic School		2	2	6
9	Bajradevi Basic School		2	2	6
10	Devasthan Basic School		2	2	6
11	Myagang Rural Municipality Office		2	0	4
12	Shree Saraswoti Secondary School, ward 7	Bheri Municipality, Jajarkot	4	2	10
13	Shree Suryajyoti Basic School, ward 7		3	3	9
14	Shree Chandrajyoti Basic School, ward 7		3	3	9
15	Shree Janabikash Basic School, ward 8		3	3	9
16	Shree Masta Basic School, ward 8		3	3	9
17	Baljyoti Primary School, ward 7		2	2	6
18	Sima Primary School, ward 7		2	2	6
19	Shree Baljyoti Basic School, ward 7		1	2	4
20	Gyankunj Primary School, ward 8		1	2	4
21	Sayauli Sana Kisan Krisi Sahakari Sanstha Ltd., ward 7		1	2	4
22	Chandeswori Basic School	Arun Rural Municipality, ward 2, Bhojpur		4	4
	<b>Total</b>		<b>62</b>	<b>40</b>	<b>164</b>



Distribution of water filters to the principals in Bheri Municipality



Carrying water filters to the schools in Bheri Municipality



Use of water filter in a school in Bheri Municipality





Two principals carrying water filters to their schools in Myagang Rural Municipality



Placement and use of water filters in a school in Myagang Rural Municipality

### 3. Maintenance of existing water purification system in a school

Bal Vinod Secondary School (located in Nah: Tole, Lalitpur Municipality, Lalitpur district, established AD 1950) had Reverse Osmosis water filtration system. But it was non-operational since few months, thereby creating difficulty in providing disinfected drinking water to the students and faculty. Due to high maintenance cost (NPR 45,500), the school was facing difficulty to repair the system. At the request of the school, ECCA contributed NPR 25,000. Thereafter, the school repaired the system, which benefitted around 200 students and 22 teachers. Acknowledging the contribution, the school pasted sticker of ECCA logo and Tareno logo.



Water purification RO system



Water purification RO system, water tank, and drinking water station



During maintenance work