

Drinking Water Supply | Bio-Sand Filters



Access to clean drinking water is a human right, yet fresh water remains a pipe dream for many Nepalese. The presence of water alone is not enough; drinking quality must be guaranteed.

Initial position and challenges

On April 25, 2015, an earthquake with a magnitude of 7.8 shook Nepal and left it in ruins - followed by numerous aftershocks, some of which were also devastatingly strong, until the end of July. Almost 8,800 people died, over 22,000,000 were injured, entire villages were wiped out and supplies collapsed. The already precarious drinking water supply was exacerbated by the earthquake - numerous wells and springs were destroyed.



Capital
Kathmandu
Area
147 000 km²
Population
31 Mio.
Life expectancy
73 Jahre
Child mortality
25 (pro 1000)
Alphabetisation
68 %
Religions
81 % Hindus; 9 %
Buddhisten; 4 % Muslime;
1 & Christen; 5 % Sonstige

Commitment

Access to clean drinking water is a human right, but fresh water remains a pipe dream for many Nepalese. After the earthquake, employees of our partners were trained in the production of bio-sand filters for obtaining clean drinking water in collaboration with a project manager from Thailand and a local NGO. In the following two years, 2000 filters were produced and distributed to affected families.

The project has since been relaunched to produce more bio-sand filters. The filters reliably clean water of bacteria, viruses and heavy metals and are produced locally using existing materials.



Objectives

In order to ensure the long-term supply of drinking water in Nepal, AVC and its partners ensure the continuous production of simple but effective water filters. One such bio-sand filter supplies a family with up to 80 liters of drinking water per day.

Financial needs

	since 2022	2023	2024
One-time costs			
Creation & transportation of filters	26 400	29 400	21 000
Training villagers	1 100	1 800	1 200
Running costs			
Wage costs for local project managers	4 000	4 700	4 600
Total costs			
Financed	100 %	162 %	100 %

Amounts in CHF, including expenses for project management, administration and fundraising