

CLEAN WATER FOR A BRIGHT FUTURE

SAFE DRINKING WATER FOR HOUSEHOLDS,
INSTITUTIONS, AND COMMUNITIES

 Nepal

PROJECT FUNDING





SCB finances the Safe Drinking Water project in south-eastern Nepal's Madhesh Province.

SCB provides 400 institutions and communities with advanced water filtration technology, reducing the need for firewood and lowering greenhouse gas emissions.

This community-led project not only protects the environment by reducing the need for firewood and contributing towards sustainable forest management; it also promotes enhanced water access, improves health, and offers enhanced social benefits.



CLIMATE ACTION; LIFE ON LAND



Most Nepalis use household fires to boil water, emitting harmful pollution, smoke, and carbon emissions.

Around 80% of Nepal's population relies on biomass fuels, contributing to 5 million tons of CO₂e per year, or 15% of national emissions.

Fires need significant wood, exacerbate deforestation and contribute 11% of global greenhouse gas emissions.

This project supports SDG 13 in reducing greenhouse gas emissions and also makes progress towards sustainable forest management, with fuel-wood saved compared to baseline (SDG 15).



Every day, children in Nepal die from preventable diseases caused by poor water and lack of sanitation.

WHO estimates that 13,000 children under five die each year in Nepal from diarrhoeal diseases, and 13,000 succumb to Acute Respiratory Infections caused by smoke from indoor fires used to boil drinking water (WB).

Children in Akikrit Namuna, a village of poor agricultural workers had a local water source contaminated with arsenic.

Now the community enjoys clean water from a purification filter supported by SCB and maintained by a locally trained technician.



CLEAN WATER AND SANITATION

SCB is financing safe, clean drinking water for those who need it most.

In Nepal, 3.5 million people do not have access to basic water services; 80% of household water sources are contaminated (WHO).

SCB helps to improve and maintain access to clean water for pupils at Shree Secondary School in northeastern Nepal. Previously, the schoolchildren drank from just one tap connected to the nearby river.

Children have access to safely managed sanitation services and wash their hands with soap as part of a water hygiene education campaign.

BETTER SCHOOL ATTENDANCE

“Now the children feel free, 10 students at a time can drink and the filtered water is pure. Before the children used to get sick, now there is no problem.”

Ramnath Chaudhary, English Teacher,
Shree Secondary School





I eat breakfast and walk for more than an hour to go to the woods. It takes all day to find firewood. I spend around a week per month on this chore.”

Pramila (I) is mother of Gopi and Kishan. At 4 months old, the twins are vulnerable to disease so the family is careful to boil water, even though the collection of firewood is time consuming and polluting. When the twins are old enough to attend school, they can drink clean water through this project, and even bring it home.

**MORE MONEY FOR EDUCATION
& WIDER COMMUNITY REACH**

**“With the water, we’ll
save on doctors, allowing
us to invest in books and
school supplies. Our
children can even bring
the water home”**

Sindu Sah, Parent of 2 children
at Janta Secondary School



Locals are trained as 'front-liners' to monitor & maintain the water purification system.



The water filtration units provide communities with safe clean drinking water without requiring the installation of municipal drinking water pipes.

By consulting local communities the project's organisers identify those most at need and most willing to host and maintain the water filter pump units.

Regular test samples are taken to check for water quality and there is an after sales guarantee as well as a mobile app and maintenance calendar, in addition to the locally trained team.

VERIFIED CARBON RESULTS



80 filtration systems throughout Nepal.
Carbon Credits, 5 year crediting cycle.

SCB targets sites that have maximum impact. Each filtration system is tailored to specific local water purification needs.

The water filtration functions with a fiber reinforced plastic vessel, micron filter and UV chamber. It is certified by the Water Quality Association and CE.



The project is listed on [The Gold Standard Registry](#)

Project coordinator:  VNV ADVISORY

1 water unit can process 10,000 litres a day, with each filter able to supply around 2,000 people over a 15-year lifespan.

100,000 verified emission reductions in the first year; 150,000 for every subsequent year until 2037.

SCB is a recognised name in the environmental commodity markets with over 17 years' experience.

Our mission is to promote the adoption of a low-carbon future by reducing the frictional costs of low-carbon practices.

SCB supports partners in reducing their emissions – we provide project developers around the world with carbon capital and a route-to-market for the credits generated. We also bring market transparency, acting as a wholesale partner for our clients.



LET'S TALK

Contact us now to meet
your emissions targets!

**Book a 30-minute
consultation with
our team**

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