

‘Bhutan 2030’ – clean water for better education



Photo: Rotary Club of Thimphu

Many schools in Bhutan obtain their drinking water from protected sources or streams. However, during the monsoon season, water quality deteriorates, increasing the risk of waterborne diseases such as diarrhoea, dysentery and typhoid fever. Inadequate WASH conditions (i.e. water, sanitation, and hygiene) can also lead to skin infections and conjunctivitis. As many central schools also function as boarding schools, access to safe drinking water is particularly important for the health and school attendance of the children.. (Text: Sven Kaun-Feederle)

The 'Bhutan 2030' project aims to supply clean drinking water to all 424 schools.

This project is being led by the Rotary Club of Thimphu, in collaboration with the Bhutanese Ministry of Education (MoESD) and other international partners. The Rotary Club and the German Bhutan Himalaya Society (DBHG) are providing support, for example by financing and installing additional SkyHydrant ultrafiltration systems to provide clean

drinking water in schools. The initiative has already reached over 130 schools and monasteries, improving the lives of tens of thousands of children in the process.

How donations from Germany are bringing about concrete change.

Thanks to donations totalling €14,000 from the Rotary Club Karlsruhe-Fächerstadt, in collaboration

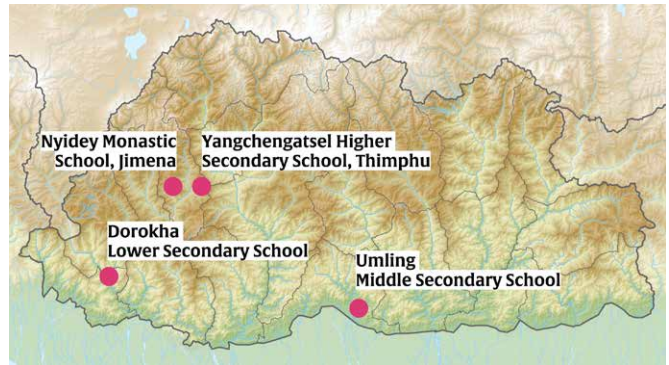
with the German Bhutan Himalaya Society (DBHG), an additional four filters have been purchased and installed.

Coordinated by project manager Lam Dorji (Rotary Club of Thimphu) and in close collaboration with the Bhutanese Ministry of Education, four more educational institutions can now enjoy clean drinking water.

- Yangchen Gatshel Higher Secondary School, Thimphu
- Umling Middle Secondary School, Sarpang,
- Dorokha Lower Secondary School, Samtse and
- Nyidey Monastic School, Jimena, Thimphu.

Why SkyHydrant technology is particularly sustainable

The SkyHydrant filter is a robust and simple solution that is also highly effective. It purifies water using modern membrane technology and weighs only 20 kilograms.



Karte Bhutan: Wikipedia

- High performance: up to 10,000 litres of drinking water per day
- No electricity or chemicals required: purely mechanical operation makes it ideal for remote regions.
- Easy to use: maintenance can be carried out by trained school staff.
- Cost: approx. 4,500 US dollars (including transport to Bhutan).

The MoESD provides the necessary infrastructure, such as water tanks, pipes, and protective shelters. This creates a reliable and sustainable solution.

This is a typical installation of a SkyHydrant water filter.

In a typical gravity-fed configuration, raw water is either pumped or manually transported to a collection tank positioned on a stand or mound. This creates a pressure of two to four metres. This pressure then forces the water through the ultrafiltration unit and into a clean water tank. The filtered water can then be stored in tanks and connected to taps.

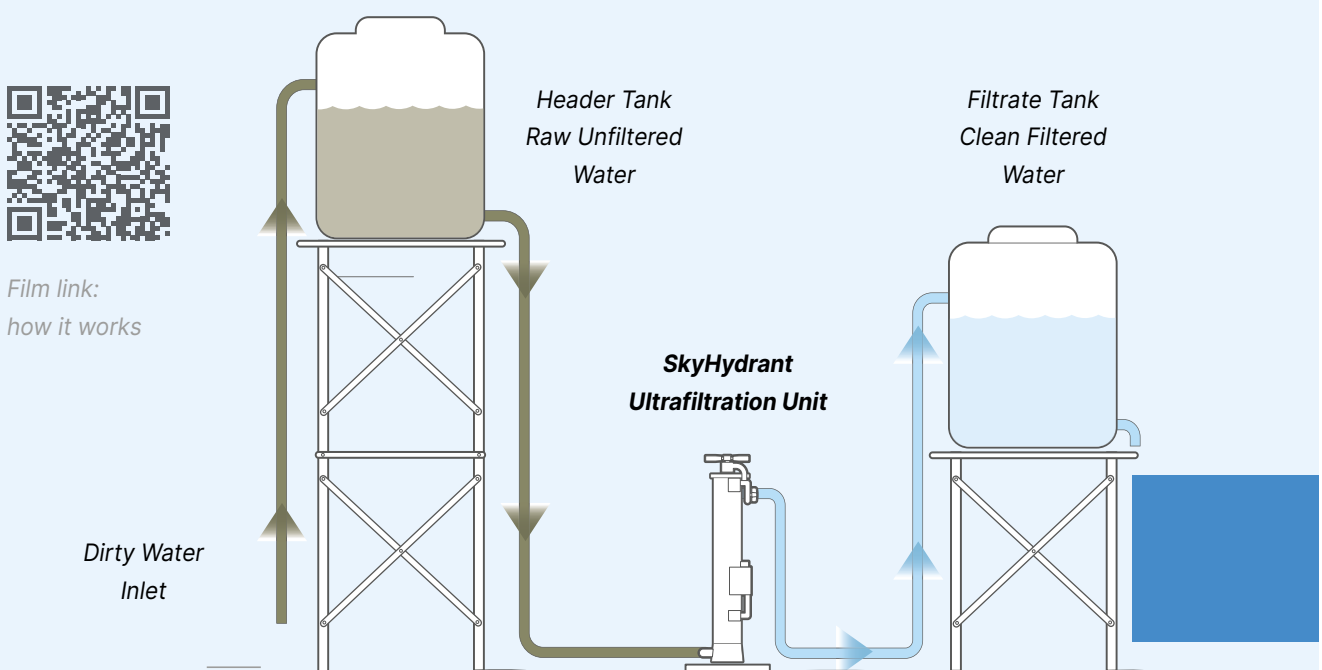


Photo: Umling Middle Secondary School, Sarpang



Fewer illnesses and less absenteeism mean more opportunities for education, even in remote regions.

The four new filters will benefit several hundred schoolchildren, teachers and monastery residents directly. This means:

- Health protection: less diarrhoea and dysentery will be less common.
- Better education: fewer absences and improved concentration in class.
- Preventive care reduces the burden on the healthcare system.
- A better quality of life for families and neighbourhoods.

Outlook: Our goal is to provide an even greater number of schools in Bhutan with clean water.

By 2030, all 424 schools in Bhutan are expected to have access to clean drinking water. Each new filter installed brings us closer to achieving this goal and transforming the lives of thousands of children. With your donations, you can be part of this success story, which is secure, transparent and sustainable. Every contribution, no matter how big or small, has a direct impact on the ground and helps to create a better future. ■

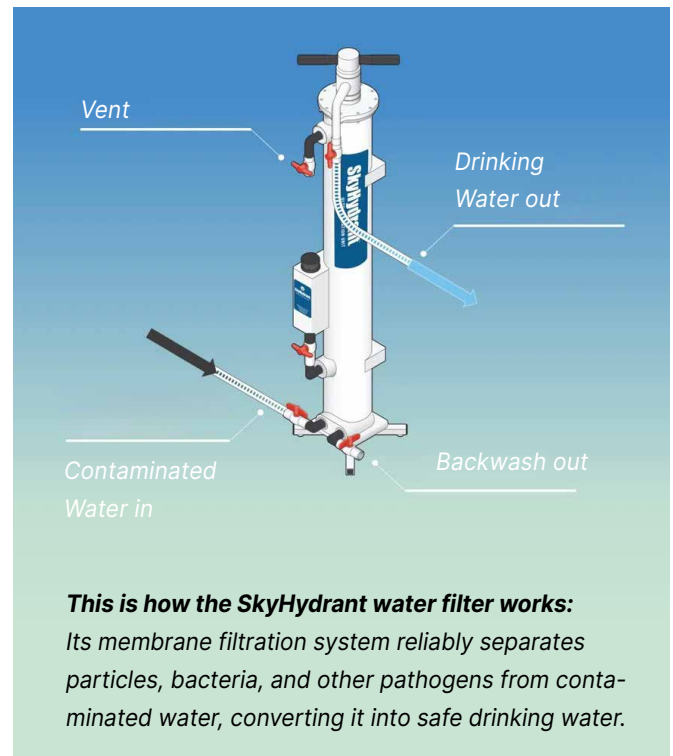


Photo: Dorokha Lower Secondary School, Samtse; Grafik: SkyJuice Foundation Inc.



From left to right::
Karma Gyeltshen,
 President of the Rotary Club
 of Thimphu,
Dr Irmela Harz,
 Vice President of the
 German Bhutan Himalaya
 Society (DBHG),
Sven Kaun-Feederle,
 Board Member of the DHBG
 and the Rotary Club
 Karlsruhe-Fächerstadt,
Lam Dorji,
 WASH Chair,
 Rotary Club of Thimphu ,
Shambay Dawa,
 Principal, Yangchen Gatshel
 Higher Secondary School

'Now, many children have access to clean drinking water. Seeing how much this has changed their everyday lives fills me with deep joy. This contributes to their future and to a healthy Bhutan.'

Lam Dorji

'Thanks to the donations we received, we were able to support more schools. Seeing the concrete impact of our help is moving – it's a small contribution towards the big goal of Bhutan 2030.'

Dr Irmela Harz, Sven Kaun-Feederle



Rotary 
 Club of Thimphu

Rotary 
 Club Karlsruhe
 Fächerstadt

Would you like to support the work of the German Bhutan Himalaya Society? Then you can easily make a donation via PayPal using the QR code below or by bank transfer: Sparkasse KölnBonn (IBAN: DE89 3705 0198 0016 4122 80, BIC: COLSDE33XXX). Upon request, you will receive a donation receipt.



**Deutsche
 Bhutan Himalaya
 Gesellschaft e. V.**

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