



Report on the *Water Purification System* Barahachhetra Secondary School Sewar, Nepal May 13, 2021

The Barahachhetra Secondary School has 593 students, predominantly from the Tharu, Dalit, and Magar caste communities. For cultural reasons, these communities face some of the greatest health and education challenges in the country. The school did not have any potable water. Students and staff were being sickened with cholera, diarrhea, dysentery and other WASH related diseases from drinking the unfiltered water.



TGUP worked with the Nepal Women's Community Service Center (NWCSC) to install a modern filtration and water delivery system. The system receives water from a local reservoir and holds it in a pre-staging fiberglass tank on the roof of the school. From there, it flows through three industrial filters before being stored in a 1,000 liter stainless steel dispensing tank. It is dispensed to end-users through five stainless steel sinks in a common area on the bottom floor. The sinks permit both hand washing and drinking by all members of the school community.

This is the third project TGUP and NWCSC have completed at the Barahachhetra school. The others were a second-story classroom and a playground. The total cost of the project was \$3,847. The school and community contributed \$663 of that cost, making TGUP's contribution \$3,184. Over its expected life, it is projected to benefit 10,000 people. This project was funded by the generosity of the Sumar Lakhani Foundation.

