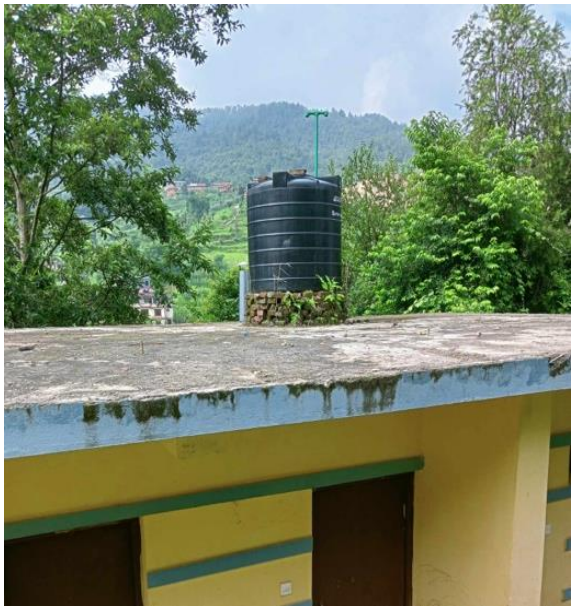
Saraswati Clean Water Project Summary: $1,182

The Saraswati Secondary School, located not far from Kathmandu, has 562 students, 22 teachers, one school employee in the accounting department, one bus driver, and two school assistants. The students and staff currently do not have access to any clean, potable water. The school and community are contributing 53% of the total cost of the project.

Below is the current water source for the school. Without access to clean water, the students and staff are often sickened by waterborne illnesses such as cholera, dysentery, E.coli, typhoid fever, and other bacterial diseases.

The students, below, are attending a ‘health camp’ to learn about the issues surrounding polluted waters and how to stay healthy.

It was originally planned to dig a deep bore hole next to the school and install a water filtration system. Upon further research, it was discovered that the school can tap into an existing water source, and pipe it to a water tank (below photo, right). From this holding tank, the water will then go through a filtration system similar to the one also shown below. The filtered, potable water will then be stored in a second water tank, providing clean water upon demand at the newly installed faucets.



Because a bore hole will not be dug, the price of the project has been reduced by $400.

A more detailed proposal and budget can be found on the following pages.

Proposal on Drinking Water
Saraswati Secondary School
Lele, Lalitpur, Nepal


Saraswati Secondary School

The historical background of Shree Saraswati Secondary School in Bagmati Province, Lalitpur District dates back over six decades. It is located near Tileshwar, the place of Nile Saraswati, which is the Southernmost of the four Saraswati in Kathmandu valley. The school is named after Saraswati, the goddess of knowledge, music, and arts in Hinduism.

The school serves as the only public secondary school in the Lele area, providing education from ECD (Early Childhood Development) to grade 12. The total number of students in the school is 562, and there are 22 teachers, one school employee in the accounting department, one bus driver, and two school assistants. The school has been playing a significant role in providing quality education to the students of the surrounding areas.

The school has been contributing to the social, cultural, and economic development of the local community by producing educated and skilled individuals. The chairperson of the school is Milan Silwal, who is also the Ward Precedent in the local government. The school has been operating with the support of the local community, government, and other stakeholders.

Objectives of the project:

a) Provide safe drinking water to schoolteachers and children.
b) Prevent infections and illnesses caused by lack of personal hygiene and drinking contaminated water.

The ultimate goal of this proposal is to promote the health and well-being of students and staff by ensuring that they are properly hydrated throughout the school day, which can improve concentration, cognitive function, and overall academic performance. It can also help reduce the consumption of sugary drinks, which are linked to obesity and other health problems. In summary, the objective of a drinking water proposal in school is to promote the health and well-being of students by ensuring that they have access to safe and clean drinking water throughout the school days.

Budget:

Description	Unit	Rate	TGUP/LSF	School	Total
Basin			39,000		39,000
Water Pulling /Filtration Machines	1 piece	10,000	55,000		55,000
Basin Tap	9 set	1,000	9,000		9,000
Drum of 1000 litre	1 set	10,000	10,000		10,000
CPVC 32 mm 10 ft	11 piece	913		10,043	10,043
CPVC 25 mm 10 ft	11 piece	500		5,500	5,500
Waste pipe 2.5mm 10ft	15 piece	1,800	27,000		27,000
Drain hole 3x6 ft	4 piece	2,000		8,000	8,000
Mirror	5 piece	1,000		5,000	5,000
Tile wheel	3 piece	300		900	900
Cement	5 Bags	700		3,500	3,500
Sand	20 QF	150		3,000	3,000
Tile putting	4 kg	60		240	240
Tank nipple	6 piece	300		1,800	1,800
Angle volve	10 set	600		6,000	6,000
Gate volve	3 piece	1,000		3,000	3,000
Mechanic wages	10 people	1,500		15,000	15,000
Shipping/delivering charge	1 truck	3,000		3,000	3,000
Pipe clip 1 inch	12 piece	100		1,200	1,200
Pipe clip 3/4inch(2cm)	12 piece	60		720	720
Pipe clip 2.5 inch	10 set	150		1,500	1,500
Screw nail 1.5 inch	1 packet	500		500	500
Female socket 1 inch	4 piece	200		800	800
Female socket 3/4 inch	5 piece	300		1,500	1,500
Female elbow ¾ inch	12 piece	191		2,292	2,292

Female elbow ½ inch	12 piece	191		2,292	2,292
Male socket 1 inch	4 piece	850		3,400	3,400
PPR female T	4 piece	900		3,600	3,600
Connecting pipe 24 inch	10 set	200		2,000	2,000
R socket 2.5 inch	10 set	141		1,410	1,410
Elbow socket 2.5 inch	20 piece	273		5,460	5,460
T socket 2.5 inch	6 piece	377		2,262	2,262
Elbow 20mm	40 piece	44		1,760	1,760
T 20mm	6 piece	61		366	366
Socket 20mm	10 piece	29		290	290
Union 20 mm	6 piece	293		1,758	1,758
Elbow 25mm	30 piece	86		2,580	2,580
T 25 mm	8 piece	103		824	824
Socket 25 mm	6 piece	52		312	312
Union 25 mm	6 piece	348		2,088	2,088
Open tap	1 piece	3,000		3,000	3,000
Labor cost		25,000		25,000	25,000
Transportation		10,000		10,000	10,000
Miscellaneous		5,000		5,000	5,000
VAT 13%			18,200	20,397	38,597
Total			**158,200** **(47.2%)** **$1,182**	**177,294** **(52.8%)** **$1,325**	**335,494** **$2,507**