

**Community Project on Renovation of Filtration Plant
For Clean Drinking Water**

Mahendra Bhawan Secondary Boarding School

Address: Gyaneshor, Sanogaucharan



School Compound

Introduction

Mahendra Bhawan Secondary Boarding School is one of the renowned educational institutions of Kathmandu Valley. It is located at *Gyaneshwor, Sanogaucharan*, Kathmandu. It was established in 1957 (2014 B.S.) This school has been running the classes from Nursery Grade to 10 Grade. It is the institution that has been providing practical education to all the students by well-experienced, innovative, and qualified tutors. The school also has been providing well-equipped infrastructure to fulfill the need for quality education for students/teachers. The school has enrolled 28 teaching staff, 8 non-teaching staff, and 250 students.

The school is having acute shortage of drinking water due to unplanned urbanization besides lack of drinkable water which is provided by Nepal Government. So, we are hoping to work with The Little Sister's Fund (LSF)/Education for Empowerment (E4E) with this project. This project will provide clean drinking water to the staff, and community children who come to study at school. It will ultimately also generate knowledge and awareness on primary health and sanitation.



Current status of Filtration Implant

Objectives

The major goals of the project are:

1. To provide clean drinking water at school
2. To provide basic knowledge and awareness regarding primary health and sanitation
3. To maintain personal hygiene
4. To cope with health challenges and water borne diseases

Expected Outcomes

1. Community people/students can get pure drinking water at the school which prevent them from water borne diseases
2. Students will be aware regarding primary health and situation
3. Students can maintain personal hygiene which ultimately helps to manage healthy environment
4. It also helps to educate the people around the locality of the school

Action Plan

S. N	Activities	Date	Working days	Who?	What to do?	How?
1	Meeting of Committee Members about planning of work	Aug 15, 022	1	Committee Member	Meeting	Discussion
2	Observe old filtration plant	Aug 18 – 19,	2	Committee Member	Observation	Sight Seeing

	and find out what to do to make it work	022				
3	List the Materials required for the renovation of filter plant	Aug 19, 022	1	Skill Worker	Listing	Visiting the field
4	Visiting the market for a research of materials	Aug 20-22, 022	3	Committee Member	Visiting Market	Research about necessary materials
5	Buying & storing materials from the market to school compound	Aug 25, 022	1	Committee Member	Buying	From the Market
6	Plumbing and Renovation	Aug 26 – 31, 022	6	Skill Worker	To purify underground water	Renovation of existing filter plant
7	Ready to use the filtration plant	Sep 1 onwards

Budgeting

We request for the financial support of management of pure drinking water.

SN	Description	Quantity	Rate	LSF/E4E Share	School Share	Total
A	Materials					
I	Equipment					
1	78''*72'' Sack Media Set	1	30,000	30,000	-	30,000
2	40''* 36''Carbon Media Set	1	20,000	20,000	-	20,000
3	1'' Side Multiple Valve	2	6,000	12,000	-	12,000
4	1 HP Pump Set	1	12,500	12,500	-	12,500
5	2'' Filter Vessel Washer	1	1,500	1,500	-	1,500
II	Pipes & Fitting					
6	¾'' Pipe	8	500	4,000	-	4,000
7	¾ elbow	15	150	2,250	-	2,250
8	¾ tee	7	150	1,050	-	1,050
9	¾ socket	8	150	1,200	-	1,200
10	¾ union	3	150	450	-	450
11	¾ ball valve	3	700	2,100	-	2,100

12	1'' tee	8	250	2,000	-	2,000
13	1'' Pipe	6	850	5,100	-	5,100
14	1'' female socket	10	250	2,500	-	2,500
15	1'' union	8	250	2,000	-	2,000
16	Seal Tape	30	20	600	-	600
17	1'' Male Socket	2	500	1000	-	1000
B	Labor Charge		30,000	-	30,000	30,000
C	Communication		5,000	-	5,000	5,000
D	Lunch & transportation		15,000	-	15,000	15,000
E	Project management		21,000	21,000	-	21,000
	Grand Total			121,250	50,000	171,250

Committee Members

1. Pushpa Basnyat (Principal) - Leader
2. Prakriti Karki (Vice Principal) - Member
3. Vim K.C (Sports Teacher/ Hostel In charge) - Member
4. Ghanashyam Adhikari (Administrative Staff) - Member
5. Suvana Majhi (LSF/E4E Girl) - Member