



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Govt. sr. sec. school, Khechuperi
Address: Thingling- I Khechuperi, Thingling-I
Khechuperi, Gangtok, West District,
Sikkim, India
Coordinator Name: Mrs. Bandana Chettri



AIR



ENERGY



FOOD



LAND



WATER



WASTE

Green Schools Programme

Centre for Science and Environment

41, Tughlakabad Institutional Area, New Delhi. India - 110062

Tel: +91-11 29955124, 29956110, 40616000

<http://www.greenschoolsprogramme.org/>

SCHOOL PROFILE

1

Name of the School / Institution

Govt. sr. sec. school, Khechuperi

2

Address

Thingling- I Khechuperi, Thingling-I Khechuperi, Gangtok, West District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03595 (NUMBER) 44235

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7872084188

5

Principal Name

Mrs. Jamuna Gurung

6

GSP Coordinator Name

Mrs. Bandana Chettri

7

GSP Coordinator Email

sd87488@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8670587512

9

Category Of The School

Day Boarding

10

School Shifts

Morning

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:12

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	167	198	365
Teachers	20	16	36
Non-Teaching Staff	5	1	6
TOTAL	192	215	407

4(b)

How many visitors visit your school

20

5

What is the total number of working days of your school in a year?

222

6

Month(s) in which the GSP audit was carried out?

Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Tila Devi Sharma	Tila Devi Sharma
2.	R. C Rai	rcrai@gmail.com
3.	Leela Maya Limboo	leela23@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bandana Chettri	bandana@gmail.com
2.	C. S Rai	raics34@gmail.com
3.	Neeraj Subba	neerajlimboo@gmail.com
4.	Deepak Sharma	dep24shar@gmail.com
5.	Lancho Lepcha	lanchlepcha@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Menu Hangma Subba		11
2.	Arun Rai		11
3.	Sushil Rai		11
4.	Say Say Hang Subba		10
5.	Rajon Rai		11
6.	Priyanka Tamang		11
7.	Aita Hangma Limboo		11
8.	Rajesh Rai		9
9.	Amish Bishwakarma		9
10.	Lozee H angma		9

Task 2: Are the rooms in your school well-ventilated?

1 How many classrooms does your school have?

2

Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	X = Area of floor (LxB)	Y = Area of openings (LxH)	Percentage of the floor area being ventilated (Y/X x 100)
Class XII	422.11	205.53	48.69
Class XI	422.11	205.53	48.69
Class X	448.35	247.35	55.17
Class IX 'A'	522.24	252.96	48.44
Class IX 'B'	368.00	220.80	60.00
Class VIII	320.00	192.00	60.00
Class VII	517.61	252.03	48.69
Class V	320.00	192.00	60.00
Class II	296.00	162.20	54.80
Class I	296.00	162.22	54.80
TOTAL	3,932.42	2,092.62	

Task 3: How eco-friendly are the vehicles in your school?

3

What is the ownership used by the vehicles used in your school? Please choose what is applicable?

School does not use or own vehicles

Task 4: How do you travel to school every day?

4

How many members of the school community use each type of transport:

	Students	Teaching Staff	Non Teaching Staff	Total
Schoool Bus	0	0	0	0
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	1	0	1
Personal two-wheeler	0	0	2	2
Bicycle	0	0	0	0
On foot	365	35	4	404
Others (non-motorised)	0	0	0	0
SUB-TOTAL	365	36	6	407

Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

0

6

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

6(a)

If No, is there an air quality monitoring station (private or government) close to your school?

No



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Passang Lepcha	sd87488@gmail.com
2.	Sangay w. Lepcha	sangay5@gmail.com
3.	Ranjeeta Rai	ranjeetarai@gmail.com

Administrative staff

Sno.	Name	Email
1.	Madhu Maya Limboo	madhumaya@yahoo.com
2.	Sanjali Subba	sanjali@yahoo.com
3.	Ujay Doma Bhutia	ujaydoma@hotmail.com
4.	T. T Bhutia	tashitsh@hotmail.com
5.	M. S Limboo	maitasingh34@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Nar Man Rai		9
2.	Kango Hang Limboo		9
3.	Rohit Rai		9
4.	Bishal Limboo		12
5.	Suk Hung Limboo		12
6.	Surastra Rai		12
7.	Chunkit Tamang		12
8.	Pranita Rai		12
9.	Susmita Limboo		12
10.	Ambika Chettri		12

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. bill upload.jpg

2

Does your school have its own vehicles?

No

3

Provide the details of total energy consumed by the school

	Quantity consumed/monthly average	Energy consumed in Megajoules (MJ)	Type of use
Electricity from the board (kwh)	50	180.00	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	0	0.00	0
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	30	1548.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	80.00	1728.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	0	5
Microwave	0	0	0
Tube Lights	7	100	0
CFL Bulbs	30	0	2
LED Lights	0	0	0
Fans	1	51	2

Supporting Documents

1. 5 star.jpg

Task 3: Is your school using any renewable sources of energy?

5

What is the average number of sunny days in your area?

150

6

Are there any alternate sources of energy employed/ installed in your school?

No

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Sangay W Lepcha	sangay@gmail.com
2.	Wongda Lepcha	wongdala21@gmail.com
3.	Reeta Gurung	reetagurung@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Ramesh Acharya	rameshacharya@yahoo.com
2.	Pitamber Basnet	basnetpitamber@gmail.com
3.	T. T Bhutia	bhutia@hotmail.com
4.	B. B Pradhan	pradgan76bhanu@hotmail.com
5.	D. N Sharma	neopaney@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Deepak Rai		9
2.	Yojana subba		9
3.	Premika Rai		9
4.	Buddha Man		9
5.	Priya Rai		9
6.	Nischal Gurung		9
7.	Roshan chettri		9
8.	Mahesh Chettri		9
9.	Ran Maya Subba		9
10.	Anisha Gurung		9

Task 2: Find out about the food service in your school.

1

Does your school have a provision/space to sell packaged food items within the campus

No

2

Does your school serve midday meals?

Yes

No documents uploaded by the school.

Task 3: What kind of food is served/sold in your school

3

What kind of food is being served / sold in your school

	Please count all flavours/variants available in the school canteen separately	Total number of items sold in a month in the canteen	Month the food items were sold in
Savoury snacks and similar packaged food like chips, Kurkure, Cheetos, potato crisps, corn snacks, nuts and seeds, etc	0	0	0
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	0	0	0
Confectionery items (chocolate, candies, gums)	0	0	0
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.

4

Does your school serve traditional Indian snacks?

No

5

Does your school serve traditional Indian beverages?

No

Task 4: What kind of food does your school promote?

6

Does the school distribute packaged food items as rewards during schools events?

No

7

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a)

Please provide the names?

candies,cadburies

8

Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Sakila Rai	raisakila@yahoo.com
2.	Ashok Kr. Chettri	asokchettri@yahoo.com
3.	Lancho Lepcha	lancholepcha@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Sushma Pradhan	pradhansushma@gmail.com
2.	Purnima Rai	raipurni9@hotmail.com
3.	Ninden Lepcha	lepcha@yahoo.com
4.	D. N Sharma	neo_sharma@yahoo.com
5.	Kamala Dahal	dahalkamala@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Nar Man Rai		9
2.	Kangoo Hang Limboo		9
3.	Suk Hang Limboo		12
4.	Tamen Limboo		12
5.	Sita Maya Rai		9
6.	Nikita Rai		9
7.	Norkey Bhutia		9
8.	Pranita Rai		9
9.	Rohit Rai		9
10.	Bishal Limboo		12

Task 2: Measure the four critical areas of your school campus

1

Complete the table:

Your school's area

Site area in square meter (m2)	8,200
Ground coverage area	1,653
Green landscaped area on-ground	193
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	900
Service Area on ground	0
Roof and terrace area	260
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,913
Total no. of floors	6
Others	0

Task 3: Explore the number of species of plants and animals in your school

3

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	15	0	15
Animals	0	0	0

Task 4: Find out if your school uses pesticides

4

Do you use chemical based pesticides in your school green cover?

No

Supporting Documents

1. green field.jpg
2. landscape.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Madhu maya Limboo	madhu@gmail.com
2.	Ramesh Acharya	acharya67@yahoo.com
3.	B. C Roy	roycharan@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ninden Lepcha	lephaninden@gmail.com
2.	Lakh Hang Limboo	sd87488@gmail.com
3.	B. B. Pradhan	sd87488@gmail.com
4.	Srijunga Subba	sd87488@gmail.com
5.	S. M Limboo	sd87488@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Meera Basnet		10
2.	Say Say Limboo		10
3.	Sancha Hangma Limboo		10
4.	Budhi lal Chettri		10
5.	Kalpana Chettri		9
6.	Amish Biswakarma		9
7.	Deepen Limboo		10
8.	Dipesh Limboo		10
9.	Samsa Hang Limboo		10
10.	Sanjay Rai		11

Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
----------	---------------------------------

Drinking	70
Toilet flushing	150
Personal cleaning	10
Washing clothes	10
Cooking	60
Cleaning Utensils	100
Washing Vegetables	30
Mopping floors	20
Gardening	50
Total	500

Task 3: What are the sources, supply and storage of water in your school

2 Where does the water your school uses, come from?

Surface water, Rain water

3 Who supplies the water in your school?

School's own supply (bore well, rainwater harvesting facility, etc)

4 Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

19-24 hours

Task 4: What are the water conservation practices followed in your school?

5 What are the water conservation practices your school follows.

	Yes / No
Does your school have any water and sanitation policy?	Yes
If your school has an eco-club, do they have water component?	Yes
Do all tanks in the school have float valves installed to stop overflow?	No

Do the drinking water points have spill proof taps to check overflow?	Yes
Does your school use appliances with a quick-wash setting?	Yes
Are dual flush systems installed in the toilets?	No
Does your school encourage bottled water for drinking water?	Yes
Does your school grow local plant species which require limited amount of water to grow?	Yes
Has your school initiated any water conservation steps in the school or outside, in the past one year?	Yes
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	Yes

No documents uploaded by the school.

Task 5: Does your school harvest rainwater?

6

Do you have Rainwater harvesting (RWH) system in your school?

Yes

6(a)

Does your school harvest different catchments?.

No

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Mopping, Toilets, Kitchen (Cooking/Washing vegetables and utensils)

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

36245.00

6(b)(2)(b)

Total number of storage tanks

1.00

6(b)(2)(c) Location of tanks:

Over ground

6(b)(2)(d) Material options for tanks

RCC

6(c) How much area in your school is harvested?

10 to 20 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Collection sump

6(e) Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

6(f) Does your school clean your catchment and system (structure?)?

Yes

6(f)(1) Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1) Please specify when does your school monitor the groundwater level?

Do not follow any such pattern

6(h) What is the trend of groundwater level in your school across the year?

No change

6(i) If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

No

Task 6: Are the plumbing and sanitation facilities in your school adequate?

7

Please share details about sanitation and hygiene practices in your school.

	Yes / No
Does the school have separate toilets for males and females?	Yes
Are there sufficient toilets for women in your school?	Yes
Are there sufficient toilets for men in your school?	Yes
Are the toilets accessible and safe to use for children?	Yes
Are the toilets accessible and safe to use for differently abled children?	Yes
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No
Are the toilets situated in the right location in terms of privacy and safety?	Yes
Is there sufficient light during day time?	Yes

8 How many drinking water taps do you have?

3

9 How many hand pumps do you have?

0

10 How many ablution taps (taps used for washing hands only) do you have?

0

11 How many water closets (used for defecation and urination) do you have?.

	Girls	Boys	Common	Total
Number of toilets	8	4	0	12

12 How many urinals (strictly used for urination only) do you have?

5

13 How many other water outlets (example: taps in play fields, sprinklers, swimming pool) do you have?

0

14 Is there a water storage system in place to supply water in the toilets?

Yes

15 Is the water supply sufficient?

Yes

16 Are the toilets cleaned?

Yes

16(a) If yes, please specify

Once a day

Task 7: Does your school reuse/recycle waste water?

17 Does your school treat wastewater?

No

18 Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Passang Tsh. lepcha	sd87488@gmail.com
2.	Tshering Doma Bhutia	sd87488@gmail.com
3.	Dichen Doma Tamang	sd87488@gmail.com

Administrative staff

Sno.	Name	Email
1.	M. R Limboo	sd87488@gmail.com
2.	Laday Lepcha	sd87488@gmail.com
3.	Wongda Lepcha	sd87488@gmail.com
4.	Sakila Rai	sd87488@gmail.com
5.	M. S Limboo	sd87488@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sukkum Hang Limboo		11
2.	Sancha Hang Limboo		11
3.	Priyanka Tamnag		11
4.	som Hang Limboo		11
5.	Som Maya Limboo		11
6.	Tika ram chettri		10
7.	Prem Kumari Limboo		11
8.	Benu Limboo		10
9.	Ambika Chettri		12
10.	Buddhi Hangma		10

Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

Yes

1a

Who segregates the waste at source?

1. Students and teachers

2

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	16	4	6	4	2
Playgrounds	7	0	2	4	1
Common area (e.g. reception, corridors)	9	3	3	2	1
Staffroom	3	1	1	0	1
Laboratory	2	1	0	1	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	3	0	1	1	1
Toilets	5	2	1	1	1
Others	0	0	0	0	0
Total	45	11	14	13	7

No documents uploaded by the school.

Task 3: How much waste does your school generate?

3

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	50
Kitchen waste	10
Paper	5
Plastic	2

Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	5
Construction and Demolition (C & D) waste	15
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	88

No documents uploaded by the school.

Task 4: How much waste does your school recycle/treat?

4 Does your school recycle any generated waste?

No

5 Does your school have a composting facility?

Yes

No documents uploaded by the school.

5a What is the methodology used?

Natural composting without added microbes

5b What is the quantity of compost that is generated per month(in kilogram)?

10.00

5c What is the purpose of the compost that is generated per month?

For horticultural purposes

6 Does your school encourage students & teachers to reuse textbooks?

Yes

7 Table to understand whether internal or external waste recycling procedures are applied to waste.

	Local kabadiwala (the scrap collector)	Authorised dealer	Dumped at a designated community site	Internal procedure
Paper (e.g., used notebooks, used examination paper, subscription newspaper and magazines)	✗	✗	✓	✗
Plastic (e.g. plastic bottles)	✗	✗	✓	✗
Horticultural waste	✗	✗	✓	✗
E-waste (e.g. broken, unusable computers)	✗	✗	✓	✗
Hazardous waste (e.g. diesel fuel, battery)	✗	✗	✓	✗
Wood,glass, metal scrap, other scrap	✗	✗	✓	✗
Biomedical waste (e.g. waste from Nurse's room in school, e.g. band-aids, syringe)	✗	✗	✓	✗

No documents uploaded by the school.

Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Designated dumping site (Dhalao)

No documents uploaded by the school.

9

Does your school burn waste?

No

10

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	0	0	

VCR or DVD players	0	0	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	0	0	
Heaters	0	0	
Microwaves	0	0	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	2	2	
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	2	2	
Copying equipment (Photocopiers)	0	0	
Projectors	0	0	
Whiteboards	14	14	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	2	2	
Fax machines	0	0	
Telex	0	0	
Telephones	0	0	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	0	0	

No documents uploaded by the school.

11

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

No documents uploaded by the school.

11a

Who collects your e-waste, when not in working condition?

Kabadiwalla/ Scrapdealer

Task 6: School's initiatives

12

Does the school have a policy on waste?

No

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



FEEDBACK

1

Has your school participated in the Green Schools Programme (GSP) Audit before?

No

2

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

Yes

3

Did you find the online information relevant to your environmental education activities?

Yes

4

Was the audit easy-to-understand and self-explanatory?

Yes

5

Did you understand the present format of the GSP?

Yes

6

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

7

What would be the help required to make your school a Green School?

sufficient fund should be allocated to undertake each activities.

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Good
Orientation for conducting tasks	Good

9

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

10

Could you finish all the tasks in given period of time online?

Yes

11

How many times did you contact the Green Schools Programme Team for guidance and counseling?

More than twice

12

Water being the focus this year, did you find the questionnaire in Water section helpful to make your school understand how to become water efficient?

Yes

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

10.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Picture of Mid-day meal being served
4. Photographs of lunch boxes
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Picture of types of solid waste generated
12. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
13. Pictures of housekeeping staff disposing different types of solid waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
16. Pictures of respective audit teams doing survey