



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Sopakha  
**Address:** Government Secondary School, West  
Sikkim, Gyalshing, West District, Sikkim,  
India  
**Coordinator Name:** Mr. Rohit Sharma



Green Schools Programme

Centre for Science and Environment

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Tel: +91-11 29955124, 29956110, 40616000

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

## SCHOOL PROFILE

1

**Name of the School / Institution**

Sopakha

2

**Address**

Government Secondary School, West Sikkim, Gyalshing, West District, Sikkim, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 3595 (NUMBER) 111111

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 9735086426

5

**Principal Name**

T.R. Chettri

6

**GSP Coordinator Name**

Mr. Rohit Sharma

7

**GSP Coordinator Email**

heavenlyparent2911@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9734009520

9

**Category Of The School**

Day Scholar

10

**School Shifts**

Both

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:10

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	94	130	224
Teachers	16	4	20
Non-Teaching Staff	2	1	3
TOTAL	112	135	247

4(b)

How many visitors visit your school

7

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?

June, July, Aug, Sep

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Sancha Hang Limboo	Sancha Hang Limboo
2.	Kalpana Limboo	kalpanasubba@gmail.com
3.	Sanjay Rai	sanjumukarung@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sancha Hang Limboo	sanchahang92@gmail.com
2.	Kalpana Limboo	kalpanasubba@gmail.com
3.	Sanjay Rai	sanjumukarung@gmail.com
4.	Bishal Gurung	gurungbishal111@gmail.com
5.	Mani Hang Limboo	manihang9@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Ashok Rai		5
2.	Bishal Rai		6
3.	Kushang Limboo		6
4.	Amit Rai		7
5.	Deepak Chettri		8
6.	Manoj Subba		9

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

1 How many classrooms does your school have?

12

2 Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	$X = \text{Area of floor (LxB)}$	$Y = \text{Area of openings (LxH)}$	Percentage of the floor area being ventilated ( $Y/X \times 100$ )
---	----------------------------------	-------------------------------------	---

I	252.81	15.00	5.93
II	134.85	17.00	12.61
III	265.20	17.00	6.41
IV	251.32	18.00	7.16
V	360.64	25.08	6.95
VI	297.51	23.10	7.76
VII	301.95	24.79	8.21
VIII	294.90	91.14	30.91
IX	336.49	24.30	7.22
X	320.00	15.30	4.78
TOTAL	2,815.67	270.71	

### 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	0	0	0
Personal two-wheeler	0	0	0	0

Bicycle	0	0	0	0
On foot	224	20	3	247
Others (non-motorised)	0	0	0	0
SUB-TOTAL	224	20	3	247

### 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.	Rohit Sharma	heavenlyparent2911@gmail.com
2.	Phurba Dorjee Sherpa	djspace29@gmail.com
3.	Om Prakash Tamang	prakashtamang@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rohit Sharma	heavenlyparent2911@gmail.com
2.	Phurba Dorjee Sherpa	djspace29@gmail.com
3.	Om Prakash Tamang	prakashtamang@gmail.com
4.	Mai Tshering Lepcha	mt11@gmail.com
5.	Bishal Gurung	gurungbishal111@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Sujata Limboo		9
2.	Keran Rai		9
3.	Manoj Limboo		9
4.	Suk Bir Baraily		9
5.	Bhim Rai		9

### Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

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)	10	36.00	2
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)	500	8800.00	2
Animal waste (kilogrammes)	10	180.00	2
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14	722.40	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	534.00	9738.40	

### Supporting Documents

1. 20161117\_172514.jpg

4

What appliances does your school have?



	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	0	0	0
CFL Bulbs	1	14	1
LED Lights	0	0	0
Fans	0	0	0

### Supporting Documents

1. Photo2717.jpg

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

5

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

120

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.	Sanjay Rai	sanjurai@gmail.com
2.	Om Prakash Tamang	prakeshtamanh@gmail.com
3.	Poonam Rai	poonamrai@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sanjay Rai	sanjurai@gmail.com
2.	Om Prakash Tamang	prakeshtamanh@gmail.com
3.	Poonam Rai	poonamrai@gmail.com
4.	Laxyashree Sharma	laxyashree@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mahaendra Rai		9
2.	Sajan Rai		9
3.	Bishnu Chettri		8
4.	Srijana Rai		7
5.	Deepak Chettri		8
6.	Sumitra Limboo		8

### 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	4	5	9
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)	2	2	9
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	1	1	3
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

### Supporting Documents

1. DSCN1312.JPG

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?

Yes

6(a) Please provide details

Chocolates, Toffees etc.

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

Yes

7(a) Please provide the names?

chocolates, candies, gums, pens,copies, geometry box

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

No

### Supporting Documents

1. DSCN3142.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mai Tshering Lepcha	mai32@gmail.com
2.	Kamal Dahal	kamal_dahal@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mai Tshering Lepcha	mai32@gmail.com
2.	Kamal Dahal	kamal_dahal@rediffmail.com
3.	Sanbir Limboo	sun45subba@yahoo.com
4.	Passang Dorjee Sherpa	passang3219@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Kabita Rai		8
2.	Santosh Limboo		9
3.	Suk Bir Baraily		9
4.	Sabita Limboo		9
5.	Tila Rupa Chettri		9
6.	Resha Rai		8
7.	Sephang Limboo		7

### 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)	2,444
Ground coverage area	1,600
Green landscaped area on-ground	100
Surface parking area	0

Play area that is paved/ concrete on ground	400
Play area that has grass on ground	0
Service Area on ground	50
Roof and terrace area	0
Green cover on exposed roof & terrace	100
Total built up/constructed area	1,012
Total no. of floors	10
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	200	0	200
Animals	50	0	50

### 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. 20161022\_120145.jpg
2. 20160608\_125516.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Sancha Hang Limboo	sancha92f@gmail.com
2.	Kalpana Subba	kalpukhoyu@hotmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sancha Hang Limboo	Sancha92@gmail.com
2.	Kalpana Subba	kalpukhoyu@hotmail.com
3.	Norgain Dadul	dadullep12@yahoo.com
4.	Kabita Rai	

#### Students

Sno.	Name	Email	Grade/Class
1.	Bhim Kumari Rai		9
2.	Santa Bir Limboo		9
3.	Torbu Rai		9
4.	Sancha Rani Rai		9
5.	Meena Rai		8
6.	Bishnu Chettri		8

### 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	250
Toilet flushing	150
Personal cleaning	5
Washing clothes	0

Cooking	120
Cleaning Utensils	100
Washing Vegetables	10
Mopping floors	5
Gardening	42
Total	682

### 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

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

13-18 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?	No
If your school has an eco-club, do they have water component?	No
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?	No
Does your school use appliances with a quick-wash setting?	No
Are dual flush systems installed in the toilets?	No
Does your school encourage bottled water for drinking water?	No



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?	No
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

### Supporting Documents

1. 20161022\_120716.jpg
2. 20161022\_120929.jpg
3. 20161022\_121209.jpg

## Task 5: Does your school harvest rainwater?

6

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

No

6(a)

Calculate your school's rainwater harvesting potential (in litres).

50000

## 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?	No
Are the toilets accessible and safe to use for differently abled children?	No
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?	No

Is there sufficient light during day time?

No

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?

4

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

	Girls	Boys	Common	Total
Number of toilets	3	3	3	9

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

0

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?

No

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Jitendra Chettri	jiten1983@gmail.com
2.	Aita Hang Limboo	abiral_sawa@yahoo.com
3.	Mani Hang Limboo	manihang02@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Jitendra Chettri	jiten1983@gmail.com
2.	Aita Hang Limboo	abiral_sawa@yahoo.com
3.	Mani Hang Limboo	manihang02@gmail.com
4.	Laxyashee Sharma	slaxyashree@yahoo.com
5.	Kabita Rai	kabita91@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Bali Hang Limboo		10
2.	Lozi Hangma Limboo		10
3.	Sancha Hangma Limboo		9
4.	Sabita Limboo		9
5.	Raman Gurung		10
6.	Bishal Rai		10
7.	Suk Lal Rai		10
8.	Anusha Limboo		10
9.	Sujata Rai		8
10.	Nirmala Rai		9

### 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	7	0	3	3	1
Playgrounds	6	0	2	2	2
Common area (e.g. reception, corridors)	6	0	2	2	2
Staffroom	7	2	2	2	1
Laboratory	5	2	1	1	1
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	4	1	1	1	1
Others	0	0	0	0	0
Total	35	5	11	11	8

### Supporting Documents

1. 20161020\_134338.jpg
2. CAM05382.jpg

## 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	15
Kitchen waste	50

Paper	10
Plastic	2
Wood, glass, metal, classroom furniture	2
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	79

### Supporting Documents

1. DSCN1410.JPG

### 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?

No

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)	✗	✗	✗	✓

### Supporting Documents

1. DSCN1445.JPG

## Task 5: How does your school dispose waste?

8

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

Don't know

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	2	1	1
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0

Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	3	3	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

## Supporting Documents

1. DSCN1498.JPG

11

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

No

## 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

### Supporting Documents

1. DSCN1635.JPG

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

### Supporting Documents

1. DSCN1642.JPG



## FEEDBACK

1

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

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

2015

1(b)

If yes, how many times have you done the audit?

2

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?

Audit team has to visit once.

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Good
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. Picture of Canteen selling UPPF
2. Pictures of Green Cover
3. Pictures of landscaped area
4. Building construction plan
5. Pictures of dustbins in classroom showing segregation at source
6. Pictures of playground with more than two dustbins
7. Picture of audit team weighing solid waste
8. Picture of types of solid waste generated
9. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of burning waste
12. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc