



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Govt. Junior High School Samalingdum
East Sikkim

Address: Samalingdum East Sikkim p.o. Dhojay
dara, Gangtok, East District, Sikkim, India

Coordinator Name: Mrs. Anita Das



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. Junior High School Samalingdum East Sikkim

2

Address

Samalingdum East Sikkim p.o. Dhojay dara, Gangtok, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03592 (NUMBER) 280381

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9474635345

5

Principal Name

Zigmee D. Bhutia

6

GSP Coordinator Name

Mrs. Anita Das

7

GSP Coordinator Email

anita1siliguri@gmail.co

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9476300686

9

Category Of The School

Day Scholar

10

School Shifts

Morning

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:8

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	74	71	145
Teachers	11	8	19
Non-Teaching Staff	1	0	1
TOTAL	86	79	165

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, Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Anita Das	Anita Das
2.	Prakash Rai	prakashrai1968@gmail.com
3.	-	-

Administrative staff

Sno.	Name	Email
1.	-	-
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Alisha Guatam	anita1siliguri@gmail.com	8
2.	Angel Bhattarai	anita1siliguri@gmail.com	8
3.	Akarti Mukhia	anita1siliguri@gmail.com	8
4.	Alka Sharma	anita1siliguri@gmail.com	7
5.	Anjana Gautam	anita1siliguri@gmail.com	7
6.	Ashish Dorjee	anita1siliguri@gmail.com	7
7.	Aditi Subba	anita1siliguri@gmail.com	6
8.	Abishek Sharma	anita1siliguri@gmail.com	6
9.	Alina Subba	anita1siliguri@gmail.com	5
10.	Avinash Sharma	anita1siliguri@gmail.com	5

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

1

How many classrooms does your school have?

10

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)
L.K.G.	14.47	0.57	3.97
U.K.G	14.47	0.57	3.97
I	135.10	0.63	0.47
II	135.10	0.63	0.47
III	27.50	0.36	1.31
IV	20.27	0.36	1.78
V	20.30	0.81	3.99
VI	28.50	0.10	0.35
VII	29.29	0.28	0.94
VIII	29.29	0.28	0.94
TOTAL	454.29	4.59	

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	11	0	11

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	5	0	5
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	145	3	1	149
Others (non-motorised)	0	0	0	0
SUB-TOTAL	145	19	1	165

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.	Menlom Lepcha	menlomlepcha64@gmail.com
2.	Sujata Chettri	pietrogotan@gmail.com
3.	-	-

Administrative staff

Sno.	Name	Email
1.	Ugen Bhutia	ugenbhutia36@gmail.com
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Chetan Ramudamu	anita1siliguri@gmail.com	8
2.	Bikram Bhattarai	anita1siliguri@gmail.com	8
3.	Hemant Sharma	anita1siliguri@gmail.com	8
4.	Dependara Sharma	anita1siliguri@gmail.com	7
5.	Bikram Khatri	anita1siliguri@gmail.com	7
6.	Bhim Kumari Sharma	anita1siliguri@gmail.com	7
7.	Bishal Khatri	anita1siliguri@gmail.com	6
8.	Bhuwan Pariyar	anita1siliguri@gmail.com	6
9.	Bhumika Sharma	anita1siliguri@gmail.com	6
10.	Dhan Maya Dorjee	anita1siliguri@gmail.com	5

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. samalingdum 1.jpg
2. samalingdum 8.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)	25	90.00	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)	20	72.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	29	1496.40	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	74.00	1658.40	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	00	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	0	0	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	2	600	4

Supporting Documents

1. samalingdum 13.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?

Yes

6(a)

Name the alternate sources of energy employed/ installed in your school?

Solar

Supporting Documents

1. solar.jpg



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Bejoy Khawas	bejoykhawas79@gmail.com
2.	Dorjee Choden Bhutia	dorjeecho43@gmail.com
3.	N.D. Bhutia	norbubhutia20.nb@gmail.com

Administrative staff

Sno.	Name	Email
1.	-	-
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Puran Chettri	puranchettri413@gmail.com	7
2.	Sunil Rai	sunilrai20@gmail.com	8
3.	Yozana Sherpa	anita1siliguri@gmail.com	8
4.	Sunita Biswakarma	anita1siliguri@gmail.com	8
5.	Sai Kishore Chettri	anita1siliguri@gmail.com	8
6.	Yankee Doma Bhutia	anita1siliguri@gmail.com	6
7.	Yerusha Rai	anita1siliguri@gmail.com	6
8.	Bishal Chettri	anita1siliguri@gmail.com	6
9.	Tika Devi Sharma	anita1siliguri@gmail.com	5
10.	Sushma Sharma	anita1siliguri@gmail.com	5

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?

Eclairs and Dairymilk

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.	D.K. Rai	raideokumar29@gmail.com
2.	B.S. Bhattarai	bbhattarai198@gmail.com
3.	Sandup Lama	anita1siliguri@gmail.com

Administrative staff

Sno.	Name	Email
1.	-	-
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Roshan	anita1siliguri@gmail.com	8
2.	Ramesh	anita1siliguri@gmail.com	8
3.	Durga	anita1siliguri@gmail.com	7
4.	Devika	anita1siliguri@gmail.com	7
5.	Januka	anita1siliguri@gmail.com	7
6.	Karma Bhutia	anita1siliguri@gmail.com	6
7.	Karishma	anita1siliguri@gmail.com	6
8.	Gayatri	anita1siliguri@gmail.com	6
9.	Pempa Dadul	anita1siliguri@gmail.com	8
10.	Tika Devi	anita1siliguri@gmail.com	5

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)	2,368
Ground coverage area	1,880
Green landscaped area on-ground	100
Surface parking area	0
Play area that is paved/ concrete on ground	338
Play area that has grass on ground	40
Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,880
Total no. of floors	3
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	2	17
Animals	5	0	5

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. land .jpg
2. land 2.jpg
3. land 3.jpg

4. land 4.jpg

5. land 5.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Meena Rai	anita1siliguri@gmail.com
2.	Rinju Bhutia	anita1siliguri@gmail.com
3.	Chumden Bhutia	anita1siliguri@gmail.com

Administrative staff

Sno.	Name	Email
1.	G.T. Bhutia	anita1siliguri@gmail.com
2.	Tsheten Bhutia	anita1siliguri@gmail.com
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Sujata Bhattarai	anita1siliguri@gmail.com	8
2.	Meera Rai	anita1siliguri@gmail.com	8
3.	Kiran Pradhan	anita1siliguri@gmail.com	8
4.	Narayan Sharma	anita1siliguri@gmail.com	7
5.	Karma Rapgyal	anita1siliguri@gmail.com	7
6.	Nikita	anita1siliguri@gmail.com	7
7.	Kopil Dorjee	anita1siliguri@gmail.com	6
8.	Megraj Pradhan	anita1siliguri@gmail.com	6
9.	-	-	
10.	-	-	

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	2160
Toilet flushing	100
Personal cleaning	10
Washing clothes	10
Cooking	15
Cleaning Utensils	30
Washing Vegetables	15
Mopping floors	5
Gardening	15
Total	2360

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

7-12 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

No documents uploaded by the school.

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).

3765

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?	No
Are there sufficient toilets for men in your school?	No
Are the toilets accessible and safe to use for children?	Yes
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?	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?

2

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

	Girls	Boys	Common	Total
Number of toilets	1	1	0	2

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?

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.	Prisca Rai	winnirai123@gmail.com
2.	Kamal Pradhan	kamal010175@gmail.com
3.	Ranjan Tamang	anita1siliguri@gmail.com

Administrative staff

Sno.	Name	Email
1.	Suman Thapa	anita1siliguri@gmail.com
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Suraj Tiruwa	anita1siliguri@gmail.com	8
2.	Surya Bdr	anita1siliguri@gmail.com	8
3.	Pratima Sharma	anita1siliguri@gmail.com	7
4.	Manisha Sharma	anita1siliguri@gmail.com	7
5.	Neeruta Sharma	anita1siliguri@gmail.com	7
6.	Promod Chettri	anita1siliguri@gmail.com	6
7.	Purna Kumari	anita1siliguri@gmail.com	6
8.	Narendra Sharma	anita1siliguri@gmail.com	6
9.	Reeca Dorjee	anita1siliguri@gmail.com	6
10.	Prem Kumari	anita1siliguri@gmail.com	6

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	10	10	0	0	0
Playgrounds	1	1	0	0	0
Common area (e.g. reception, corridors)	1	1	0	0	0
Staffroom	1	1	0	0	0
Laboratory	0	0	0	0	0
Canteen	1	1	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	14	14	0	0	0

Supporting Documents

1. samalingdum 22.jpg
2. land 4.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	0

Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0
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)	15

No documents uploaded by the school.

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

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	0
Kitchen waste	15
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total (in kilogram)

15

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)	✓	✗	✗	✗

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?

Open dumping

No documents uploaded by the school.

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Plastic

10

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

	Total	Working conditions	Non-working condition
TVs	0	0	0
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)	5	1	4
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	0	0	0
Copying equipment (Photocopiers)	0	0	0

Projectors	0	0	0
Whiteboards	0	0	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

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?

Authorised dismantler

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?

-

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?

Never

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?

8.00

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. Pictures of Green Cover
5. Pictures of landscaped area
6. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Pictures of respective audit teams doing survey