



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Singlebong Junior High School East
Sikkim

Address: Westpendam constituency, East Sikkim
Via-Singtam Town., Gangtok, East
District, Sikkim, India

Coordinator Name: Jessica Martha Tamang



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

Singlebong Junior High School East Sikkim

2

Address

Westpendam constituency, East Sikkim Via-Singtam Town., Gangtok, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03592 (NUMBER) 2280381

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9733099154

5

Principal Name

Ramesh Chandra Rai

6

GSP Coordinator Name

Jessica Martha Tamang

7

GSP Coordinator Email

jessi.jtamang@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 7076174397

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?

Other: 'Sikkim SCERT'

4 Total permanent population of the school

	Male	Female	Total
Students	52	55	107
Teachers	7	8	15
Non-Teaching Staff	1	0	1
TOTAL	60	63	123

4(b) How many visitors visit your school

51

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

233

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

July

7 Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	MANISHA CHETTRI	MANISHA CHETTRI
2.	MEENA CHETTRI	meena chettri7914@gmail.com

Administrative staff

Sno.	Name	Email
1.	RAMESH C.RAI	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ANIL BISWAKARMA	singlebongjhs@yahoo.com	8
2.	ALISHA CHETTRI	singlebongjhs@yahoo.com	8
3.	ARPANA SUBBA	singlebongjhs@yahoo.com	8
4.	ABHIJEET CHETTRI	singlebongjhs@yahoo.com	7
5.	ADIP SHARMA	singlebongjhs@yahoo.com	7

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)
LKG	18.26	1.94	10.62
UKG	18.26	1.94	10.62
I	50.01	2.05	4.10
II	50.12	2.05	4.09
III	43.08	1.75	4.06

IV	42.02	1.75	4.16
V	42.78	1.83	4.28
VI	42.60	1.83	4.30
VII	45.80	1.87	4.08
VIII	42.45	1.87	4.41
TOTAL	395.38	18.88	

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	2	0	2
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	4	1	5
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	107	6	0	113
Others (non-motorised)	0	0	0	0
SUB-TOTAL	107	15	1	123

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	YASHODA CHETTRI	yashudachettri7@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramesh C Rai	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ayush Chettri	Singlebongjhs@yahoo.com	8
2.	Chetan Chettri	Singlebongjhs@yahoo.com	8
3.	Dorcas Sanyashi	Singlebongjhs@yahoo.com	8
4.	Anita Chettri	Singlebongjhs@yahoo.com	7
5.	Anita Sharma	Singlebongjhs@yahoo.com	7

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. electricity bill july 2016.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
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Electricity from the board (kwh)	55	198.00	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)	3	134.10	3
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)	45	2322.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	103.00	2654.10	

Supporting Documents

1. bill of lpg.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	0	0	0
LED Lights	0	0	0

Fans	5	300	5
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Supporting Documents

1. 20161103_154629__1478168343_1.39.39.170.jpg
2. 20161103_154636__1478168271_1.39.39.170.jpg

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

5

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

200

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.	Sarila Tamang	Singlebongjhs@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Ramesh C Rai	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ebita Rai	Singlebongjhs@yahoo.com	8
2.	Goma Chettri (A)	Singlebongjhs@yahoo.com	8
3.	Goma Chettri (B)	Singlebongjhs@yahoo.com	8
4.	Bijay Sanyashi	Singlebongjhs@yahoo.com	7
5.	Bikash Tamang	Singlebongjhs@yahoo.com	7

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?

No

8

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

No

Supporting Documents

1. audit team.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Anjit Rai	anjitrai@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramesh C Rai	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Laxuman Rai	singlebongjhs@yahoo.com	8
2.	Mandeep Rai	singlebongjhs@yahoo.com	8
3.	Manju Sharma	singlebongjhs@yahoo.com	8
4.	Divya Rai	singlebongjhs@yahoo.com	7
5.	Deepesh Chettri	singlebongjhs@yahoo.com	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)	1,755
Ground coverage area	547
Green landscaped area on-ground	79
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	547
Service Area on ground	288
Roof and terrace area	201

Green cover on exposed roof & terrace	0
Total built up/constructed area	420
Total no. of floors	5
Others	1

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	30	10	40
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. 20161020_114043__1477025531_1.39.56.83.jpg
2. 20161021_110256__1477028234_1.39.56.83.jpg
3. 20161021_110324__1477028110_1.39.56.83.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Kewal Prasad Sharma	kewalsharma24@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramesh C Rai	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Priya Chettri	singlebongjhs@yahoo.com	8
2.	Prayash Rai	singlebongjhs@yahoo.com	8
3.	Pratik Chettri	singlebongjhs@yahoo.com	8
4.	Sneha Manger	singlebongjhs@yahoo.com	7
5.	Kareena Rai	singlebongjhs@yahoo.com	7

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	123
Toilet flushing	500
Personal cleaning	200
Washing clothes	0
Cooking	120
Cleaning Utensils	100
Washing Vegetables	30
Mopping floors	0

Gardening	90
Total	1163

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?

Private supplier

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?	No
Are dual flush systems installed in the toilets?	Yes
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)

No

Supporting Documents

1. IMG-20161003-WA0008__1478509494_1.39.36.104.jpg
2. 20161109_110459__1478669809_1.39.38.103.jpg
3. 20161109_110941__1478670205_1.39.38.103.jpg
4. 20161109_110950__1478670166_1.39.38.103.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).

20000

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)?	Yes
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?

3

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

	Girls	Boys	Common	Total
Number of toilets	3	2	0	5

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

3

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.	Jessica Martha Tamang	jessi.j.tamang@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramesh C Rai	rairamesh7914@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Samir rai	singlebongjhs@yahoo.com	8
2.	Shara Darjee	singlebongjhs@yahoo.com	8
3.	Saroj Subba	singlebongjhs@yahoo.com	8
4.	Sushmita Rai	singlebongjhs@yahoo.com	8
5.	Suraj Rai	singlebongjhs@yahoo.com	7

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	0	2	08	0
Playgrounds	35	0	0	50	50

Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	5	0	5	0	0
Laboratory	0	0	0	0	0
Canteen	35	0	35	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	0	0	0	0	0
Others	100	0	0	0	100
Total	185	0	42	58	150

Supporting Documents

1. dustbin.jpg
2. dustbin %282%29.jpg
3. dustbin %283%29.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	30
Kitchen waste	20
Paper	1.835
Plastic	7.505
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)	59.34

Supporting Documents

1. weighing waste.jpg
2. weighing weight.jpg
3. weighing weight.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?

No

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. collector.jpg

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	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	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	2	2	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	5	5	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. electric kettle.jpg
2. school%60s computer.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. painting competition.jpg
2. painting competition .jpg
3. painting competition %282%29.jpg

13a

What form do these awareness drives take?

By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. collecting waste.jpg
2. IMG-20161025-WA0020__1477472315_1.39.37.232.jpg
3. audit team.jpg



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?

School needs supports form all sections of society,NGO and Governments in financially,educationally and technically to make our school as Green school.

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?

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?

12.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Picture of Mid-day meal being served
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. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
12. Pictures of Electronic items used by school and storage of non-working electronic items
13. Waste Policy
14. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
15. Pictures of respective audit teams doing survey