



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Bordang junior high school
Address: Po bordang, singtam, singtam, East District, Sikkim, India
Coordinator Name: Ambika 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

Bordang junior high school

2

Address

Po bordang, singtam, singtam, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3592 (NUMBER)

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9434144108

5

Principal Name

Ashok kr Roka

6

GSP Coordinator Name

Ambika Tamang

7

GSP Coordinator Email

ambi_22in@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8016288528

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	123	112	235
Teachers	9	6	15
Non-Teaching Staff	0	1	1
TOTAL	132	119	251

4(b)

How many visitors visit your school

10

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.	Anup Rasaily	Anup Rasaily
2.	-	-
3.	-	-

Administrative staff

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

Students

Sno.	Name	Email	Grade/Class
1.	Rabin Cehtri	ambi_22in@yahoo.com	8
2.	Raj Pradhan	ambi_22in@yahoo.com	8
3.	Kumar Dorjee	ambi_22in@yahoo.com	8
4.	Anjali Dorjee	ambi_22in@yahoo.com	8
5.	Pritika Subba	ambi_22in@yahoo.com	8
6.	Sapna Kumari	ambi_22in@yahoo.com	8
7.	Pooja Subba	ambi_22in@yahoo.com	8
8.	-	-	
9.	-	-	
10.	-	-	

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)
Pre Primary	33.00	1.30	3.94
II	33.00	1.30	3.94
III	34.16	1.76	5.15
V	30.38	2.70	8.89
VII	30.38	2.70	8.89
VIII	30.38	2.70	8.89
			0.00
			0.00
			0.00
			0.00
TOTAL	191.30	12.46	

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	28	14	0	42

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	207	1	1	209
Others (non-motorised)	0	0	0	0
SUB-TOTAL	235	15	1	251

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

5

How many students suffer from respiratory ailments ?

5

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.	Bandana Rai	ambi_22in@yahoo.com
2.	-	-
3.	-	-

Administrative staff

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

Students

Sno.	Name	Email	Grade/Class
1.	Srijana Pradhan	ambi_22in@yahoo.com	8
2.	Karuna Subba	ambi_22in@yahoo.com	8
3.	Rahul Sunar	ambi_22in@yahoo.com	8
4.	Meghnath Sharma	ambi_22in@yahoo.com	8
5.	Subam Rai	ambi_22in@yahoo.com	8
6.	Seshehang Limboo	ambi_22in@yahoo.com	8
7.	-	-	
8.	-	-	
9.	-	-	
10.	-	-	

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)	120	432.00	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)	15	774.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	135.00	1206.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------

Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	0	0	0
CFL Bulbs	8	20	3
LED Lights	0	0	0
Fans	0	0	0

No documents uploaded by the school.

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

5

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

153

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.	Seema Pradhan	ambi_22in@yahoo.com
2.	-	-
3.	-	-

Administrative staff

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

Students

Sno.	Name	Email	Grade/Class
1.	Siddharth Singh	ambi_22in@yahoo.com	8
2.	Aron Pradhan	ambi_22in@yahoo.com	8
3.	Asha Kami	ambi_22in@yahoo.com	8
4.	Lok Maya Dorjee	ambi_22in@yahoo.com	8
5.	Geeta B.K.	ambi_22in@yahoo.com	8
6.	Prashant Pariyar	ambi_22in@yahoo.com	8
7.	-	-	
8.	-	-	
9.	-	-	
10.	-	-	

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?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	0
Idli/vada and sambhar	0
Pav bhaji	0
Momos	30
Others	0

4(b)

Give descriptions for rare local snacks served in your school:?

Momo

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?

Toffees and Chocolates

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.	Jigme Wanchuk Bhutia	ambi_22in@yahoo.com
2.	-	-
3.	-	-

Administrative staff

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

Students

Sno.	Name	Email	Grade/Class
1.	Sangit B.K.	ambi_22in@yahoo.com	8
2.	Jeewan Dorjee	ambi_22in@yahoo.com	8
3.	Smriti Adhikari	ambi_22in@yahoo.com	8
4.	Buddhi Maya	ambi_22in@yahoo.com	8
5.	Arati B.K.	ambi_22in@yahoo.com	8
6.	Deepa Rai	ambi_22in@yahoo.com	8
7.	Vishal Darnal	ambi_22in@yahoo.com	8
8.	-	-	
9.	-	-	
10.	-	-	

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)	337
Ground coverage area	335
Green landscaped area on-ground	2
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0
Service Area on ground	0
Roof and terrace area	2
Green cover on exposed roof & terrace	0
Total built up/constructed area	4
Total no. of floors	7
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	7	3	10
Animals	4	0	4

Task 4: Find out if your school uses pesticides

4

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Bandana Rai	ambi_22in@yahoo.com
2.	-	-
3.	-	-

Administrative staff

Sno.	Name	Email
1.	Ashok Kumar Roka	ashokrroka@gmail.com
2.	-	-
3.	-	-
4.	-	-
5.	-	-

Students

Sno.	Name	Email	Grade/Class
1.	Suriti	ambi_22in@yahoo.com	8
2.	Yogesh	ambi_22in@yahoo.com	8
3.	Suraj	ambi_22in@yahoo.com	8
4.	Siddharth	ambi_22in@yahoo.com	8
5.	Josiah	ambi_22in@yahoo.com	8
6.	Lokmaya	ambi_22in@yahoo.com	8
7.	0	0	0
8.	0	0	0
9.	0	0	0
10.	0	0	0

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	300
Personal cleaning	150
Washing clothes	0
Cooking	80
Cleaning Utensils	250
Washing Vegetables	80
Mopping floors	100
Gardening	50
Total	1260

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?

Panchayat

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?	Yes
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?	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?	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. bordang--2.jpg
2. bordang-1.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).

133

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?	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?	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	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.	Mohan Psd. Dhamala	ambi_22in@yahoo.com
2.	-	-
3.	-	-

Administrative staff

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

Students

Sno.	Name	Email	Grade/Class
1.	Jewel Bhujel	ambi_22in@yahoo.com	8
2.	Sonu Rai	ambi_22in@yahoo.com	8
3.	Kriti Adhikari	ambi_22in@yahoo.com	8
4.	Karina Sharma	ambi_22in@yahoo.com	8
5.	Suraj Tamang	ambi_22in@yahoo.com	8
6.	Durga Chettri	ambi_22in@yahoo.com	8
7.	Binu Biswakarma	ambi_22in@yahoo.com	8
8.	-	-	
9.	-	-	
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	6	6	0	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	0	1	0
Staffroom	1	1	0	0	0
Laboratory	0	0	0	0	0
Canteen	0	0	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	9	7	1	1	0

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	8
Kitchen waste	20
Paper	5
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)	33

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)?

25.00

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

For charity

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	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)	1	1	0
Laptop computer (CPU, mouse, screen and keyboard included)	4	3	1
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	0	0	0
Copying equipment (Photocopiers)	1	1	0
Projectors	0	0	0
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	3	3	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?

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?

No

No documents uploaded by the school.



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?

1

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?

Financial Problem

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?

No

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?

6.00

Checklist of uploaded documents

1. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc