



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Govt.Sec. School Langang  
**Address:** Langang, West Sikkim, Gayzing, West District, Sikkim, India  
**Coordinator Name:** Mr. Nirmal Thapa



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.Sec. School Langang

2

**Address**

Langang, West Sikkim, Gayzing, West District, Sikkim, India

3

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

(ISD) 91 (STD) 0353 (NUMBER) 123456

4

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

(ISD) 91 (Number) 9733037765

5

**Principal Name**

Bhim Dhoj Subba

6

**GSP Coordinator Name**

Mr. Nirmal Thapa

7

**GSP Coordinator Email**

n4\_syari@rediffmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9434356786

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: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	244	134	378
Teachers	11	15	26
Non-Teaching Staff	02	00	2
TOTAL	257	149	406

4(b)

How many visitors visit your school

20

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?

Nov

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr Dinesh Basnet	Mr Dinesh Basnet
2.	Mr. Nirmal Thapa	n4_syari@eediffmail.com
3.	Mr. Dhanapati Sharma	dpdahal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Bhim Dhoj Subba	bhimsubba5@gmail.com
2.	Mr. Roshan Pradhan	

#### Students

Sno.	Name	Email	Grade/Class
1.	Rajkumar Thakur		Class-X
2.	Mangal Hang Subba		Class-X
3.	Jasme Gurung		Class-IX
4.	Amir Subba		Class-IX
5.	Yashal Bhutia		Class-X
6.	Khusbo Gurung		Class-IX

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

1 How many classrooms does your school have?

11

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-X	29.00	5.00	17.24
Class-IX	60.00	26.00	43.33

Class-VIII	38.00	13.00	34.21
Class-VIIA	42.00	16.00	38.10
Class-VIIB	38.00	13.00	34.21
Class-VI	38.00	7.00	18.42
Class-V	22.00	9.00	40.91
Class-IV	14.00	9.00	64.29
Class-III	14.00	5.00	35.71
Class-II	22.00	9.00	40.91
<b>TOTAL</b>	<b>317.00</b>	<b>112.00</b>	

### 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	00	00	00	0
Public Bus	00	00	00	0
School Transport(Other than bus)	00	00	00	0
Public transport (other than bus, Metro, car pool)	00	00	00	0
Taxi four-wheeler	00	01	00	1
Taxi three-wheeler	00	00	00	0
Personal four-wheeler	00	06	01	7
Personal two-wheeler	00	01	00	1
Bicycle	00	00	00	0
On foot	378	18	01	397

Others (non-motorised)	00	00	00	0
SUB-TOTAL	378	26	2	406

### 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.	Mr. Nirmal Thapa	n4_syari@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Roshan Pradhan	
2.	B.D.Subba	

#### Students

Sno.	Name	Email	Grade/Class
1.	Rohit Gupta		10
2.	Amrit Maya Rai		10
3.	Bhasker Sharma		10
4.	Abhi Limboo		9
5.	Sevika Manger		9
6.	Altaf Hussain		8

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

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. IMG\_20161019\_143440552.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)	06	21.60	01
Electricity from generator (diesel) (litres)	00	0.00	00
Petrol (litres)	00	0.00	00
Diesel (litres)	00	0.00	00
CNG (kilogrammes)	00	0.00	00
Kerosene (litres)	00	0.00	00
Coal (kilogrammes)	00	0.00	00
Wood (kilogrammes)	80	1408.00	01
Animal waste (kilogrammes)	00	0.00	00
Solar (kwh)	00	0.00	00
Wind (kwh)	00	0.00	00
LPG (kilogrammes)	29	1496.40	02
Piped Natural Gas (kilogrammes)	00	0.00	00
TOTAL	115.00	2926.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	00	00	00
Refrigerator	00	00	00
Microwave	00	00	00
Tube Lights	00	00	00
CFL Bulbs	01	15	3
LED Lights	01	09	3



Fans	00	00	00
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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?

210

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.	Nirmal Thapa	n4_syari@rediffmail.com
2.	Dhanapati Sharma	dpdahal9@gmail.com
3.	Dinesh Basnet	basnetdinesh6@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Roshan Pradhan	
2.	Hem Kumar Rai	

#### Students

Sno.	Name	Email	Grade/Class
1.	Nar Bahadur Pradhan		10
2.	Biswa Hang Subba		10
3.	Gunjan Gurung		9
4.	Hangma Limboo		9
5.	Yogesh Limboo		9
6.	Navin Sharma		8
7.	Gita Sharma		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	05	40	09
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	02	60	09
Potato fries and Burgers	00	00	09
Confectionery items (chocolate, candies, gums)	06	400	09
Ice-cream	01	120	09
Carbonated beverages	00	00	09
Sugar sweetened noncarbonated beverages	02	30	09
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	00	00	09
Packaged/Bottled Energy Drinks	00	00	09

### Supporting Documents

1. IMG\_20161020\_132747408.jpg
2. IMG\_20161020\_142303053.jpg
3. IMG\_20161020\_142338450.jpg
4. IMG\_20161020\_142511996.jpg
5. IMG\_20161020\_142609707.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?

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. IMG\_20161020\_111437456.jpg
2. IMG\_20161020\_112011357.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Nirmal Thapa	n4_syari@rediffmail.com
2.	Rinchen Ongyal Bhutia	kyongtherpa@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bhim Dhoj Subba	bhimsubba5@gmail.com
2.	Hem Kumar Rai	itzhem.raai96@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Prashant Limboo		10
2.	Jharna Limboo		10
3.	Su-Hangma Subba		09
4.	Dil Kumar Rai		09
5.	Hari Chandra Darjee		08
6.	Laxmi Rai		08

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

1

Complete the table:

	Your school's area
Site area in square meter (m <sup>2</sup> )	2,400
Ground coverage area	600
Green landscaped area on-ground	300
Surface parking area	36
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	1,500
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,464
Total no. of floors	3
Others	3

### 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	12	00	12
Animals	00	00	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. IMG\_20161021\_104804123.jpg
2. IMG\_20161021\_104948937.jpg
3. IMG\_20161021\_105110371.jpg
4. IMG\_20161021\_105133700.jpg
5. IMG\_20161021\_105304988.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Nirmal Thapa	n4_syari@rediffmail.com
2.	Binita Subba	vyneesubba@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Roshan Pradhan	
2.	Hem Kumar Rai	

#### Students

Sno.	Name	Email	Grade/Class
1.	Mangal Hang Subba		10
2.	Rojina Subba		10
3.	Subham Rai		09
4.	Kunsang Subba		09
5.	Rekha Devi Sharma		09
6.	Ram Kumar Sharma		08
7.	Punal Lepcha		08

### 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	150
Toilet flushing	150
Personal cleaning	80
Washing clothes	00
Cooking	40

Cleaning Utensils	25
Washing Vegetables	15
Mopping floors	15
Gardening	30
Total	505

### 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. IMG\_20161117\_101332910.jpg
2. IMG\_20161117\_101407581.jpg
3. IMG\_20161117\_101454839.jpg
4. IMG\_20161117\_101607797.jpg
5. IMG\_20161117\_104130555.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).

473020

## 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?

4

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	05	05	00	10

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

6

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.	Mr. Nirmal Thapa	n4_syari@rediffmail.com
2.	Mr.Dhana Pati Sharma	dpdahal9@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Hem Kumar Rai	
2.	Roshan Pradhan	

#### Students

Sno.	Name	Email	Grade/Class
1.	Raj Kumar Thakur		10
2.	Nar Bahadur Pradhan		10
3.	Kabita Sharma		10
4.	Pratham Gurung		10
5.	Rohit Gupta		09
6.	Prashant Gurung		09
7.	Jusme Gurung		09
8.	Dup Tshering Bhutia		08

### 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	8	00	00	08	00
Playgrounds	2	00	00	02	00
Common area (e.g. reception, corridors)	2	00	00	02	00
Staffroom	1	00	00	01	00
Laboratory	1	00	00	01	00
Canteen	1	00	01	00	00
Clinic/ Sick room	0	00	00	00	00
Library	0	00	00	00	00
Toilets	0	00	00	00	00
Others	0	00	00	00	00
Total	15	0	1	14	0

### Supporting Documents

1. IMG\_20161117\_141429770.jpg
2. IMG\_20161117\_141636650.jpg
3. IMG\_20161117\_141640237.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	20
Kitchen waste	10
Paper	05
Plastic	02
Wood, glass, metal, classroom furniture	04

E-waste	01
Biomedical waste	01
Sanitary waste	08
Construction and Demolition (C & D) waste	00
Hazardous waste	00
Total Generated Solid Waste (in kilogram)	51

### Supporting Documents

1. IMG\_20161117\_141859263.jpg
2. IMG\_20161117\_142127829.jpg
3. IMG\_20161117\_142237383.jpg
4. IMG\_20161117\_142239253.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)				

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)

### Supporting Documents

1. IMG\_20161117\_142436039.jpg
2. IMG\_20161117\_142450783.jpg

9

Does your school burn waste?

Yes

### Supporting Documents

1. IMG\_20161117\_142513734.jpg
2. IMG\_20161117\_142540145.jpg
3. IMG\_20161117\_142548733.jpg

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

PlasticPaper

10

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

	Total	Working conditions	Non-working condition
TVs	1	01	00
VCR or DVD players	0	00	00
Refrigerators and freezers	0	00	00
Washing machines	0	00	00
Air conditioners	0	00	00
Heaters	0	00	00
Microwaves	0	00	00
Ovens	0	00	00
Toasters	0	00	00
Electric Kettles	0	00	00
Personal computers (CPU, mouse, screen and keyboard included)	4	04	00
Laptop computer (CPU, mouse, screen and keyboard included)	0	00	00
Notebook computers	0	00	00
Notepad computers	0	00	00
Printers	2	02	00
Copying equipment (Photocopiers)	0	00	00
Projectors	0	00	00
Whiteboards	11	11	00
Electrical & electronic typewriters	0	00	00
Pocket & desk calculators	1	01	00
Fax machines	0	00	00
Telex	0	00	00
Telephones	0	00	00



Pay telephones	0	00	00
Mobiles	0	00	00
Answering systems	0	00	00

### Supporting Documents

1. IMG\_20161117\_143059991.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?

Yes

Policy document

IMG\_20161117\_141859263.jpg

13

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

Yes

### Supporting Documents

1. IMG\_20160913\_141719803.jpg
2. IMG\_20160913\_135527159.jpg

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

### Supporting Documents

1. IMG\_20161117\_141215916.jpg

2. IMG\_20161117\_141059116.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?

we need the idea of disposing the solid non bio-degradable waste as we have limited land resource.

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?

Once

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?

7.00

**Checklist of uploaded documents**

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Picture of Canteen selling UPPF
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Pictures of dustbins in classroom showing segregation at source
7. Pictures of playground with more than two dustbins
8. Picture of audit team weighing solid waste
9. Picture of types of solid waste generated
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of burning waste
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