



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** pipaley govt secondary school  
**Address:** p o pipaley west sikkim, jorethang, West District, Sikkim, India  
**Coordinator Name:** dhan prasad rai



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**

pipaley govt secondary school

2

**Address**

p o pipaley west sikkim, jorethang, West District, Sikkim, India

3

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

(ISD) 91 (STD) 3595 (NUMBER) 0

4

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

(ISD) 91 (Number) 9733153069

5

**Principal Name**

puspa chettri

6

**GSP Coordinator Name**

dhan prasad rai

7

**GSP Coordinator Email**

dp1822@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9593574615

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	120	138	258
Teachers	07	15	22
Non-Teaching Staff	02	03	5
TOTAL	129	156	285

4(b)

How many visitors visit your school

12

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?

Oct

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Prayash adhikari	Prayash adhikari

#### Administrative staff

Sno.	Name	Email
1.	Rangit rai	

#### Students

Sno.	Name	Email	Grade/Class
1.	roshni rai		10
2.	laxmi tamang		10
3.	keshav rai		10
4.	salestina biswa		10
5.	sukmit rai		9
6.	priyanka rai		9
7.	suzana rai		9
8.	priya sharma		8
9.	narbahadur pradhan		8
10.	raja baitha		6

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

1 How many classrooms does your school have?

13

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)
1	26.84	4.83	18.00
2	26.84	4.83	18.00

3	26.84	4.83	33.33
4	26.84	4.83	33.33
5	31.58	5.39	9.09
6	31.58	5.39	33.33
7	31.58	5.39	33.33
8	31.58	5.39	33.33
9	31.58	5.39	33.33
10	31.58	5.39	33.33
TOTAL	296.84	51.66	

### 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	1
Taxi four-wheeler	0	14	1	15
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	3	2	5
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	258	5	2	265

Others (non-motorised)	0	0	0	0
SUB-TOTAL	258	22	5	285

### 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.	angelina lepcha	lepcha2015angelina@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	lachi maya manger	

#### Students

Sno.	Name	Email	Grade/Class
1.	sweekrity rai		10
2.	sunil sharma		10
3.	radha rai		9
4.	srijana ria(b)		9
5.	babu ram biswa		8
6.	adarsh rai		8
7.	dawa lamu tamang		8
8.	anita rai		6
9.	pemma thsring tamang		6
10.	ram bahadur rai		6

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

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. 20161020\_134253 %28452x800%29.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)	60	216.00	3
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)	800	14080.00	1
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	860.00	14296.00	

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	1	0	3
CFL Bulbs	0	00	0
LED Lights	0	0	0
Fans	15	200	3

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?

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.	lakpa doma sherpa	s_lakpadamasherpa@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	sanu hang subba	

#### Students

Sno.	Name	Email	Grade/Class
1.	kumar khathi		10
2.	tanuja jogi		10
3.	pushpa biswa		10
4.	sudha rai		9
5.	anmaol rai		9
6.	raviraj rai		9
7.	swastika damai		9
8.	regina sherpa		8
9.	nima tshrng sherpa		8
10.	santhi manger		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	30	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	2	50	10
Potato fries and Burgers	0	0	0
Confectionery items (chocolate, candies, gums)	8	120	10
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	3	80	8

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	3

Others

0

4(b)

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

nothing

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?

creamy triffie

8

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

Yes

8(a)

Does the school distribute packaged food items as rewards during schools events?

mahendra club

8(b)

Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	dhan prasad rai	dp1822@gamil.com

#### Administrative staff

Sno.	Name	Email
1.	sanu hang subba	

#### Students

Sno.	Name	Email	Grade/Class
1.	subash dorgee		10
2.	nim lamu sherpa		10
3.	sagar rai		10
4.	bandhana rai		9
5.	enuka chettri		9
6.	roshna sharkee		8
7.	prenna rai		8
8.	pratima rai		6
9.	nilam khati		6

### 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> )	2,760
Ground coverage area	553
Green landscaped area on-ground	2,207
Surface parking area	0
Play area that is paved/ concrete on ground	0

Play area that has grass on ground	2,620
Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	964
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	20	0	20
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. 20161006\_152755 %28640x480%29.jpg
2. 20161006\_152215 %28640x480%29.jpg
3. 20161006\_151551 %28640x480%29.jpg
4. 20161006\_151601 %28640x480%29.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	pushpa dhakal	puspadahal24@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	sanu hang subba	

#### Students

Sno.	Name	Email	Grade/Class
1.	man kumari rai		10
2.	purnima tamang		10
3.	sumitra rai		10
4.	manoj rai		9
5.	nitant gurung		9
6.	piter rai		9
7.	sabnam rai		8
8.	subot rai		8
9.	binot subba		6
10.	sancha kumar rai		6

### 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	300
Toilet flushing	180
Personal cleaning	80
Washing clothes	00

Cooking	180
Cleaning Utensils	150
Washing Vegetables	120
Mopping floors	00
Gardening	560
Total	1570

### 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

2-6 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?	Yes
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. 20161006\_150737 %28640x480%29.jpg
2. 20161006\_151056 %28640x480%29.jpg
3. 20161006\_151148 %28480x640%29.jpg

## Task 5: Does your school harvest rainwater?

6

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

Yes

6(a)

Does your school harvest different catchments?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Toilets, Kitchen (Cooking/Washing vegetables and utensils)

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

35169.00

6(b)(2)(b)

Total number of storage tanks

1.00

6(b)(2)(c) Location of tanks:

Over ground

6(b)(2)(d) Material options for tanks

Combination of PVC + RCC + Brick

6(c) How much area in your school is harvested?

10 to 20 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Storage tank

6(e) Rate your catchment on cleanliness:

Good

### Supporting Documents

1. 20161006\_150506 %28800x450%29.jpg
2. 20161006\_150649 %28800x450%29.jpg

6(f) Does your school clean your catchment and system (structure)?

No

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1) Please specify when does your school monitor the groundwater level?

Do not follow any such pattern

6(h) What is the trend of groundwater level in your school across the year?

No change

6(i) If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

Yes

## 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?

2

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	3	4	1	8

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

2

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.	eric bandass	eric.bandass2010@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	lachi maya manger	

#### Students

Sno.	Name	Email	Grade/Class
1.	alina rai		10
2.	christina rai		10
3.	grashmi rai		10
4.	kamala rai		9
5.	susant dorjee		9
6.	sonam rai		9
7.	bhupen chettri		9
8.	hema biswa		8
9.	akansha rai		8

### 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	13	0	0	13	0
Playgrounds	1	1	0	0	0
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	1	1	0	0	0
Laboratory	1	1	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	0	2	0
Library	0	0	0	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	18	3	0	0	0

### Supporting Documents

1. IMG\_20161110\_142424 %28600x800%29.jpg
2. IMG\_20161110\_143114 %28600x800%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	10
Kitchen waste	15
Paper	5
Plastic	2
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)	32

### Supporting Documents

1. IMG\_20161108\_141727 %28800x600%29.jpg
2. IMG\_20161108\_120738 %28600x800%29.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?

Open dumping

### Supporting Documents

1. IMG\_20161108\_120246 %28600x800%29.jpg

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	1	1	
VCR or DVD players	0	0	
Refrigerators and freezers	0	0	
Washing machines	0	0	
Air conditioners	0	00	
Heaters	0	0	
Microwaves	0	0	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	



Personal computers (CPU, mouse, screen and keyboard included)	6	6	
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	2	2	
Copying equipment (Photocopiers)	0	0	
Projectors	1	1	
Whiteboards	0	0	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	0	0	
Fax machines	0	0	
Telex	0	0	
Telephones	0	0	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	0	0	

### Supporting Documents

1. 20161018\_100000 %28800x450%29.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. 20161105\_120241 %28800x600%29.jpg
2. 20161105\_114412 %28800x600%29.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

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?

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?

sufficient fund should be give, orientation- program should be conducted more than once a year,

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	Average

Orientation for conducting tasks	Average
9	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>No</p>
10	<p>Could you finish all the tasks in given period of time online?</p> <p>Yes</p>
11	<p>How many times did you contact the Green Schools Programme Team for guidance and counseling?</p> <p>Twice</p>
12	<p>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?</p> <p>Yes</p>
13	<p>Did your students enjoy doing the Water activities?</p> <p>Yes</p>
13(a)	<p>How many students were involved in the activities?</p> <p>15.00</p>

### Checklist of uploaded documents

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Traditional food items sold in canteen
4. Pictures of Green Cover
5. Pictures of dustbins in classroom showing segregation at source
6. Picture of audit team weighing solid waste
7. Picture of types of solid waste generated
8. Pictures of Electronic items used by school and storage of non-working electronic items
9. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
10. Pictures of respective audit teams doing survey