



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Govt.Secondary School Padamchey  
**Address:** Padamchey East Eikkim, Gangtok, East District, Sikkim, India  
**Coordinator Name:** Kailash Sharma



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.Secondary School Padamchey

2

**Address**

Padamchey East Eikkim, Gangtok, East District, Sikkim, India

3

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

(ISD) 91 (STD) 03592 (NUMBER) 257631

4

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

(ISD) 91 (Number) 7602025647

5

**Principal Name**

L.N Sharma

6

**GSP Coordinator Name**

Kailash Sharma

7

**GSP Coordinator Email**

pyakurel29@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 8967624867

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	126	141	267
Teachers	11	09	20
Non-Teaching Staff	5	2	7
TOTAL	142	152	294

4(b)

How many visitors visit your school

5

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?

Sep

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Yangchen Doma Bhutia	Yangchen Doma Bhutia
2.	Islam Mian	islamian119@gmail.com
3.	R.B Gurung	ran4lovepeace@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr L.R Sharma	sailabro@gmail.com
2.	Mrs Mangal Maya Tamang	mangalmaya123@gmail.com
3.	Mr. P.B Tamang	pbassengpadamchey@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mr Ranjan Sharma	ranjansharma@gmailcom	9
2.	Mr. Buddha Kumar Tamang	buddhatamang@gmail.com	9
3.	Mr. Puran Kami	puranhancy@gmail.com	9
4.	Mr. Dipesh Kami	dipeshtour@gmail.com	9
5.	Mr. Indra Bahadur Chettri	indrabdrcaptain12@gmail.com	10
6.	Miss Pratima Tamang	pratima111@yahoo.com	10
7.	Miss Rabita Tamang	rabitatamangtamang@gmail.com	10
8.	Miss Goma Sharma	gomagoma@gmail.com	10
9.	Mr Kezang Tamang	kezangt12@gmail.com	10
10.	Mr. Prabhakar Sharma	prabhakarsha@gmail.com	10

### 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)
I	29.56	3.97	13.42
II	29.56	3.97	13.42
III	27.24	8.52	31.29
IV	33.75	13.86	41.07
V	33.75	13.86	41.07
VI	27.24	8.52	31.29
VII	30.01	7.30	24.31
VIII	33.75	13.86	41.07
IX	61.05	15.79	25.87
X	30.01	7.30	24.31
TOTAL	335.93	96.95	

### 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	12	0	12
Taxi three-wheeler	0	0	0	0

Personal four-wheeler	0	6	0	6
Personal two-wheeler	0	1	0	1
Bicycle	0	0	0	0
On foot	267	04	04	275
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>267</b>	<b>23</b>	<b>4</b>	<b>294</b>

### 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.	KAILASH SHARMA	pyakurel29@gmail.com
2.	MAN SINGH TAMANG	mstheeng@gmail.com
3.	BIKASH SUBBA	bikashsubba564@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	R.B GURUNG	ran4loveandpeace@gmail.com
2.	LILA RAM SHARMA	sailabro@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	PURAN LAMICHANEY		9
2.	RANJAN SHARMA		9
3.	PRIYANKA SHARMA		9
4.	SAUGHAT THAPA		9
5.	DIWAKAR SHARMA		9
6.	DEO KUMAR JOGI		9
7.	DEVI MAYA KAMI		9
8.	GANGA SUNWAR		9
9.	MINCHEN TAMANG		9
10.	TANKA RAM JOGI		9

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

1

Does your school have access to an electricity bill?

Yes

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)	22	79.20	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)	1000	17600.00	2
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14.2	732.72	2
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1036.20	18411.92	

### Supporting Documents

1. fuel bill.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	1	10	4
LED Lights	0	0	0
Fans	1	600	4

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.	Hom Nath Sharma	hnsharma1966@gmail.com
2.	Islam Mian	islaammian119@gmail.com
3.	Bikash Subba	bikashsubba564@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ran Bahadur Gurung	ran4lovenpeace@gmail.com
2.	Mangal Maya Tamang	mangalmaya123@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aita Singh Gurung	aitasinghgurung61@gmail.com	10
2.	Bharat Sharma	bharatsharma23@gmail.com	10
3.	Bimal Tamang	bimaltamang125@gmail.com	10
4.	Devendra Rai	deven85@gmail.com	10
5.	Dinshen Dolma Tamang	dinshentamang@gmail.com	10
6.	Goma Sharma	gomadevisharma91@gmail.com	10
7.	Indra bahadur Chettri	ibchettri2015@gmail.com	10
8.	Buddha Kumar Tamang	buddha656@gmail.com	9
9.	Deo Kumar Jogi	dkg1997@gmail.com	9
10.	Ladup Tamang	tamangladup21@gmail.com	9

### 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

Yes

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	5	10	8
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	2	2	8
Potato fries and Burgers	0	0	0
Confectionery items (chocolate, candies, gums)	10	10	8
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

#### Supporting Documents

1. canteen saling ppf.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?

Yes

7(a)

Please provide the names?

coffey bite, lactoking, koffiko

8

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

No

#### Supporting Documents

1. doing survey.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Kailash Sharma	pyakurel29@gmail.com
2.	Yangchen Doma Bhutia	yanghenfoning@yahoo.com
3.	Hissey palhmu Bhutia	hisheypalmu@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	L.R Sharma	sailabro@gmail.com
2.	P.B Tamang	pbassengpadamchey@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Kezang Tamang	kezungmoktan123@gmail.com	10
2.	Kesang Dolma Tamang	kesangdomatamang19@gmail.com	10
3.	Kiran Tamang	kirantamang12@gmail.com	10
4.	Mani Kumar Lamichaney	lamichaneym.k06@gmail.com	10
5.	Lakpa Doma Tamang	domatamang106@gmail.com	10
6.	Pempa Tamang	pempatamang401@gmail.com	9
7.	Prakash Tamang	prakashtamang@gmail.com	9
8.	Pranay Tamang	pranaytamang420@gmail.com	9
9.	Prem Dorjee Tamang	premdorjee@gmail.com	9
10.	Phauda Singh Gadal	singhphouda	9

### 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> )	360
Ground coverage area	1,000

Green landscaped area on-ground	4,000
Surface parking area	100
Play area that is paved/ concrete on ground	1,650
Play area that has grass on ground	1,500
Service Area on ground	1,000
Roof and terrace area	360
Green cover on exposed roof & terrace	200
Total built up/constructed area	1,200
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	10	2	12
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. green cover 1.jpg
2. green cover2.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Kailash Sharma	pyakurel29@gmail.com
2.	Ran Bahadur Gurung	ran4lovenpeace@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Prem Bdr Tamang	pbassengpadamchey@gmail.com
2.	L.R Sharma	sailabro@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Depesh Sunar		9
2.	Prakash Tamang		9
3.	Indra Bahadur Chhetri		10
4.	Bharat Sharma		10
5.	Mani Kumar lamichaney		10
6.	Goma Devi Sharma		10
7.	Sang Dolma Tamang		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	1000
Toilet flushing	50
Personal cleaning	50
Washing clothes	00
Cooking	20

Cleaning Utensils	50
Washing Vegetables	15
Mopping floors	00
Gardening	20
Total	1205

### 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

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?	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

### Supporting Documents

1. water 1.jpg
2. water 2.jpg
3. water 3.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).

2000

## 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?

6

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	2	2	1	5

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

4

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.	KAILASH SHARMA	pyakurel29@gmail.com
2.	LASHMI DOMA BHUTIA	ldbhutia@gmail.com
3.	MAN SINGH TAMANG	mstheeng@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	PREM BDR TAMANG	pbassengpadamchey@gmail.com
2.	L.R SHARMA	sailabro@gmail.com
3.	R.B GURUNG	ran4lovenpeace@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mani Kr. Lamichaney	lamichaneym.k06@gmail.com	10
2.	Padam Maya Tamang	dragonwong436@gmail.com	10
3.	Passang Wangdup Tamang	tamangpasang152@gmail.com	10
4.	Sang Dolma Tamang	dangdolma0@gmail.com	10
5.	Tek Nath Sharma	nishantattriz198@gmail.com	10
6.	Pempa Tamang	pempa tamang401@gmail.com	9
7.	Prakash Tamang	prakashtamang@gmail.com	9
8.	Puran Lamichaney	puranlamichaney123@gmail.com	9
9.	Som Bdr Gurung	sombdrgurung@gmail.com	9
10.	Sachin Subba	sachinubba123@gmail.com	9

### 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	5	0	5	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	1	0	1	0	0
Total	13	0	13	0	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	40
Kitchen waste	10
Paper	40
Plastic	5
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0

Sanitary waste	1
Construction and Demolition (C & D) waste	40
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	141

### Supporting Documents

1. waste management team.jpg
2. waste management team 2.jpg

## 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	20
Kitchen waste	0
Paper	30
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)	50

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)?

30.00

5c

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

For school garden

6

Does your school encourage students &amp; 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	1	0	1
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)	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	11	11	0
Electrical & electronic typewriters	1	0	1
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 dealer

## 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?

By the showcasing of posters and stickers

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?

Importance of audit and necessary steps to be followed by the school to initiate it should be required

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?

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?

40.00

**Checklist of uploaded documents**

1. Fuel Bills
2. Electricity Bill
3. Picture of Mid-day meal being served
4. Picture of Canteen selling UPPF
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Pictures of respective audit teams doing survey