



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Pangthang Junior High School  
**Address:** Pangthang Nursery, Pangthang.,  
Pangthang Nursery, Pangthang.,  
Gangtok, East District, Sikkim, India  
**Coordinator Name:** Jigme Wangchuk Bhutia



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**

Pangthang Junior High School

2

**Address**

Pangthang Nursery, Pangthang., Pangthang Nursery, Pangthang., Gangtok, East District, Sikkim, India

3

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

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

4

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

(ISD) 91 (Number) 9832854276

5

**Principal Name**

Theasus Lepcha

6

**GSP Coordinator Name**

Jigme Wangchuk Bhutia

7

**GSP Coordinator Email**

jigmeewang87@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9593978430

9

**Category Of The School**

Day Boarding

10

**School Shifts**

Morning

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:7

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	38	35	73
Teachers	7	12	19
Non-Teaching Staff	1	2	3
TOTAL	46	49	95

4(b)

How many visitors visit your school

30

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.	Jigme Wangchuk Bhutia	Jigme Wangchuk Bhutia
2.	Karma Dolkar Bhutia	karmadolkar@gmail.com
3.	Pema Chenzom	pemachenzom@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	Jigme Wangchuk Bhutia	jigmeewang87@gmail.com
2.	Karma Dolkar Bhutia	karmadolkar@gmail.com
3.	Pema Chenzom	pemachenzom@yahoo.com
4.	Kulzang Gyatso Bhutia	kulsonam85@gmail.com
5.	Yangkila Lama	yangkilalama@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Manzil Pradhan		8
2.	Yogendra Pandey		8
3.	Norbu Sangmu Bhutia		8
4.	Geeta Chettri		8
5.	Priya Tamang		8
6.	Chandralall Subba		8
7.	Dikcha Panday		8
8.	Anand Subba		8
9.	Ganesh Chettri		8
10.	Sunta Chettri		8

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

1 How many classrooms does your school have?

8

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	12.00	2.50	20.83
II	12.00	2.50	20.83
III	12.00	2.50	20.83
IV	13.00	2.50	19.23
V	13.00	2.50	19.23
VI	13.00	2.50	19.23
VII	14.00	2.50	17.86
VIII	14.00	2.50	17.86
			0.00
			0.00
TOTAL	103.00	20.00	

### 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	10	18	0	28
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	0	0	0

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	1	0	1
Bicycle	0	0	0	0
On foot	63	0	0	63
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>73</b>	<b>22</b>	<b>0</b>	<b>95</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.	Jigme Wangchuk Bhutia	jigmeewang87@gmail.com
2.	Karma Dolkar Bhutia	karmadolkar@gmail.com
3.	Meena Kr. Sharma	minakadhikari94@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Pema Chenzom	pemachenzom@yahoo.com
2.	Phuntsok G. Tashi	pgtashi@yahoo.com
3.	Yangkila Lama	yangkilalama@yahoo.com.in
4.	Kulzang Gyatso	kulsonam85@gmail.com
5.	Hisshey Lhamu	yeshey333@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Manjit Pradhan		8
2.	Norbu Doma		8
3.	Passangkit Lepcha		8
4.	Dikcha Panday		8
5.	Yogendra Panday		8
6.	Tekendra Karki		8
7.	Geeta Chettri		8
8.	Ganesh Chettri		8
9.	Anand Subba		8
10.	Sunita Chettri8		8

### 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)	150	540.00	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	150.00	540.00	

No documents uploaded by the school.

4 What appliances does your school have?

	Number	Size	BEE Star Rating
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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	0	0	00

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?

15

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.	Pema chenzom	pemachenzom@yahoo.com
2.	Karma Dolkar	karmadolkar@gmail.com
3.	Hissey Lhamu	yeshey333@gmailcom

#### Administrative staff

Sno.	Name	Email
1.	Pema chenzom	pemachenzom@yahoo.com
2.	Karma Dolkar	karmadolkar@gmail.com
3.	Hissey Lhamu	yeshey333@gmai.lcom
4.	Jigme Wangchuk Bhutia	jigmeewang87@gmail.com
5.	Kulzang Gyatso	kulsonam84@gmail.co

#### Students

Sno.	Name	Email	Grade/Class
1.	Manjit Pradhan		8
2.	Norbu Doma		8
3.	Pema lhamu		8
4.	Passang Diki		8
5.	Rinzing Doma		8
6.	Monica Subba		8
7.	Rinchen Lepcha		8
8.	Dawa Bhutia		8
9.	Doma lepcha		8
10.	Karma Doma		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	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?

Yes

6(a)

Please provide details

packed lunch boxes containing sandwiches and samosas.

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

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Pema Chenzom	pemachenzom@yahoo.com
2.	Pema Yangchen	yangchen210@gmail.com
3.	Yangkila Lama	yangkilalama@yahoo.com.in

#### Administrative staff

Sno.	Name	Email
1.	Phuntsok Tashi	pgtashi@yahoo.com.in
2.	Kulzang Gyatso	kulsonam85@gmail.com
3.	Karma Dolkar	karmadolkar@gmail.com
4.	Jigme Wangchuk	jigmeewang87@gmail.com
5.	Hissey Lhamu	yeshey333@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Majit Pradhan		8
2.	Norbu Doma		8
3.	Passang Diki		8
4.	Sanjana Chettri		8
5.	Chandralall Subba		8
6.	Tshering Norbu		8
7.	Karma Bhutia		8
8.	Sonam Doma		8
9.	Chewang Lhamu		8
10.	Lhamu Tshering		8

### 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)	15
Ground coverage area	6
Green landscaped area on-ground	7
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	7
Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	5
Total no. of floors	2
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	10	5	15
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

No documents uploaded by the school.



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Jigme Wangchuk	jigmeewang87@gmail.com
2.	Kulzang Gyatso	kulsonam85@gmail.com
3.	Phuntsok Guru ashi	pgt@yahoo.com.in

#### Administrative staff

Sno.	Name	Email
1.	Meena Gurung	menagurung@gmail.com
2.	Meena Sharma	minadhikari94@gmail.com
3.	Yangkila Lama	Yangkilalama@yahoo.com.in
4.	Hisseyy Lhamu	yeshey333@gmail.com
5.	Karma Dolkar	karmadolkar@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Manjit Pradhan		8
2.	Norbu Doma		8
3.	Geta Chettri		8
4.	Diksha Panday		8
5.	Yogendra Panday		8
6.	Chandralall Subba		8
7.	Anand Subba		8
8.	Ganesh Chettri		8
9.	Priya Tamang		8
10.	Sunita Chettri		8

### 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	20
Toilet flushing	15
Personal cleaning	5
Washing clothes	0
Cooking	10
Cleaning Utensils	10
Washing Vegetables	3
Mopping floors	0
Gardening	10
Total	73

### Task 3: What are the sources, supply and storage of water in your school

2 Where does the water your school uses, come from?

Ground water

3 Who supplies the water in your school?

Public Health Engineering Department (PHED)

4 Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

7-12 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?	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

No documents uploaded by the school.

### 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).

1

### 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?

3

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?

1

13 How many other water outlets (example: taps in play fields, sprinklers, swimming pool) do you have?

2

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.	Phuntsok G Tashi	pgt@yahoo.com.in
2.	Hissey Lhamu Bhutia	yeshey333@gmail.com
3.	Pema Chenzom	pemachenzom@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	Jigme Wangchuk	jigmeewang87@gmail.com
2.	Sonam Zangmu	sonamradupa@gmail.com
3.	Pema Yangchen	yangchen210@gmail.com
4.	Susan Adith Pradhan	susanadith.65@gmail.com
5.	Bishnu Gautam	bishnugautam76@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	manjit pradhan		8
2.	norbu doma		8
3.	passang diki		8
4.	tshering diki		8
5.	priya tamang		8
6.	diksha panday		8
7.	yogendra panday		8
8.	chandra subba		8
9.	anand subba		8
10.	geeta rai		8

### Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

No

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	2	2	0	0	0
Playgrounds	2	2	0	0	0
Common area (e.g. reception, corridors)	2	2	0	0	0
Staffroom	1	1	0	0	0
Laboratory	1	1	0	0	0
Canteen	1	1	0	0	0
Clinic/ Sick room	1	1	0	0	0
Library	1	1	0	0	0
Toilets	1	1	0	0	0
Others	1	1	0	0	0
Total	13	13	0	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	5
Kitchen waste	15
Paper	10
Plastic	5
Wood, glass, metal, classroom furniture	2
E-waste	4
Biomedical waste	1

Sanitary waste	1
Construction and Demolition (C & D) waste	1
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	44

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?





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)				
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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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	1	1	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)	3	3	0

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	1	1	0
Copying equipment (Photocopiers)	1	1	0
Projectors	0	0	0
Whiteboards	0	0	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	2	2	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?

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

No documents uploaded by the school.



13a

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

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?

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?

No

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?

by providing us with the necessary resources.

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?	10.00

### Checklist of uploaded documents

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