

Responses for Green Schools Programme Audit 2016

School Name: Kateng Govt. Sec. School

Address: P.O. Kateng, via Rangpo, Kateng, South

District, Sikkim, India

Coordinator Name: ANUP KUMAR RAY



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

Kateng Govt. Sec. School

2 Address

P.O. Kateng, via Rangpo, Kateng, South District, Sikkim, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3595 (NUMBER) 9434448255

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9434448255

5 Principal Name

L P Pradhan

6 GSP Coordinator Name

ANUP KUMAR RAY

GSP Coordinator Email

rayanup1964@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9002365955

Category Of The School

Day Scholar

School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:10

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	98	90	188
Teachers	9	9	18
Non-Teaching Staff	2	1	3
TOTAL	109	100	209

4(b) How many visitors visit your school

10

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?

Aug, Sep, Oct, Nov

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Miss Junu Tamang	Miss Junu Tamang

Administrative staff

Sno.	Name	Email
1.	Dawa Singh Tamang	

Students

Sno.	Name	Email	Grade/Class
1.	Ravi Tamang		9
2.	Thomas Kami		9
3.	Wangdup Tamang		9
4.	Miss Salina Manger		9
5.	Gyalchen Tamang		9

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

How many classrooms does your school have?

12

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 I	22.29	9.00	40.38
CLASS II	22.29	9.00	40.38
CLASS V	27.00	5.00	18.52
CLASS VI	28.48	7.00	24.58
CLASS VII	28.48	7.00	24.58

CLASS IX	29.00	7.00	24.14
CLASS X	14.60	3.50	23.97
VERNACULAR ROOM	22.29	8.50	38.13
CLASS IV	22.29	9.00	40.38
STAFF ROOM	36.33	7.00	19.27
TOTAL	253.05	72.00	

Task 3: How eco-friendly are the vehicles in your school?

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?

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	8	0	8
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	188	8	2	198
Others (non-motorised)	0	0	0	0
SUB-TOTAL	188	19	2	209

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

How many students suffer from respiratory ailments?

0

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 Roshan Sharma	rayanup1964@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dawa Singh Tamang	rayanup1964@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Miss Mala Tamang		10
2.	Sang Dorjee Tamang		10
3.	Merain Manger		8
4.	Miss Manesha Tamang		10
5.	Miss Nima Dolma Tamang		10

Task 2: How much energy does your school consume?

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

Does your school have its own vehicles?

No

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	5

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)	750	13200.00	0
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	5	258.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	815.00	13674.00	

No documents uploaded by the school.

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	2	80	3
CFL Bulbs	2	30	3
LED Lights	0	0	0
Fans	2	80	3

Supporting Documents

- 1. AdobePhotoshopExpress_de2f17721e05484d80ea85cd594a82a8.jpg
- 2. AdobePhotoshopExpress_6596de0164f346e896f4a0b87a75d5bd.jpg
- 3. AdobePhotoshopExpress_58dc6aff1e624b5f8d2a5727772cfd91.jpg

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

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

350

Are there any alternate sources of energy employed/ installed in your school?

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sn	0.	Name	Email
1.		Miss Tashi Lhamu Bhutia	rayanup1964@gmail.com

Administrative staff

Sı	no.	Name	Email
1.		Dawa Singh Tamang	rayanup1964@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Miss Sunita Manger		10
2.	Miss Saie Nepal Tamang		9
3.	Miss Urmila Tamang		10
4.	Miss Dil Kumari Tamang		10
5.	Mangal Singh Tamang		10

Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

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

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.



No

Does your school serve traditional Indian beverages?

No

Task 4: What kind of food does your school promote?

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

No

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a) Please provide the names?

Chocolates normally distributed by birthday boy or girl. On 15th August school distribute cadburry type sweets.

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

No

Supporting Documents

- 1. AdobePhotoshopExpress_72d5ac0ba3c84e45966eb969247bae5a.jpg
- 2. WP_20161114_15_28_15_Pro.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mr Ashok Kumar Singh	rayanup1964@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dawa Singh Tamang	rayanup1964@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Miss Alisha Manger		10
2.	Miss Sunita Sunwar		10
3.	Dechen Tamang		10
4.	Karma Wangchoy Tamang		10
5.	Bishal Tamang		9

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

Complete the table:

	Your school's area
Site area in square meter (m2)	5,880
Ground coverage area	708
Green landscaped area on-ground	3,091
Surface parking area	0
Play area that is paved/ concrete on ground	161
Play area that has grass on ground	1,920
Service Area on ground	0
Roof and terrace area	708

Green cover on exposed roof & terrace	0
Total built up/constructed area	827
Total no. of floors	2
Others	0

Task 3: Explore the number of species of plants and animals in your school

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	65	0	65
Animals	20	0	20

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. AdobePhotoshopExpress_89bf32c665e24ee780fa3d59a4665748.jpg
- 2. AdobePhotoshopExpress_779e1ba54ab1461094b2b886df2999d8.jpg
- 3. AdobePhotoshopExpress_04fee8ff7b0b445dad8c776dc56ac975.jpg
- 4. WP_20161118_14_33_04_Pro.jpg
- 5. AdobePhotoshopExpress_f0f2137f9c9a45749ab29e2bcf2b832a.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mr Palchen Bhutia	rayanup1964@gmail.com

Administrative staff

Sno.	Name	Email	
1.	Mr D S Tamang rayanup1964@gmail.co		

Students

Sno.	Name	Email	Grade/Class
1.	Nirain Manger		10
2.	Miss Semsi Dolma Tamang		9
3.	Prabin Manger		10
4.	Shanker Thapa		10
5.	Sonam Tshering Tamang		10

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)		
Drinking	500		
Toilet flushing	2000		
Personal cleaning	1000		
Washing clothes	0		
Cooking	200		
Cleaning Utensils	100		
Washing Vegetables	50		
Mopping floors	50		

Gardening	100
Total	4000

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

Where does the water your school uses, come from?

Surface water, Rain water

Who supplies the water in your school?

Public Health Engineering Department (PHED)

Does your school get daily water supply?

Yes

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?

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?	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?	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?	Yes
Does your school use a drip or irrigation system?	No

Supporting Documents

- 1. AdobePhotoshopExpress_6596de0164f346e896f4a0b87a75d5bd.jpg
- 2. AdobePhotoshopExpress_f0f2137f9c9a45749ab29e2bcf2b832a.jpg
- 3. WP_20161116_11_54_15_Pro.jpg
- 4. WP_20161117_13_31_02_Pro.jpg
- 5. 11_18_2016 7_15_35 PM.jpg

Task 5: Does your school harvest rainwater?

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

Yes

Does your school harvest different catchments?.

Yes

6(a)(1) Which is the catchment area being harvested by your school?

Rooftop + Paved

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, 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)

15000.00

6(b)(2)(b) Total number of storage tanks

6.00

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

Over- ground + Semi underground

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

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

Storage tank, Pump unit

6(e) Rate your catchment on cleanliness:

Good

Supporting Documents

- 1. WP_20161116_14_42_59_Pro.jpg
- 2. WP_20161116_12_56_54_Pro.jpg
- 3. WP_20151119_11_44_30_Pro.jpg
- Does your school clean your catchment and system (structure?)? Yes Please specify when does your school clean the catchment and RWH system? 6(f)(1) Pre-monsoon Does your school monitor the rainwater harvesting structure for its efficiency? 6(g) Yes Please specify when does your school monitor the groundwater level? 6(g)(1) Pre-monsoon What is the trend of groundwater level in your school across the year? 6(h) No change If your school's RWH structure is more than a year old, is there any improvement in the 6(i) 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?	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

How many drinking water taps do you have?

8

9 How many hand pumps do you have?

1

How many ablution taps (taps used for washing hands only) do you have?

2

How many water closets (used for defecation and urination) do you have?.

	Girls	Boys	Common	Total
Number of toilets	3	2	2	7

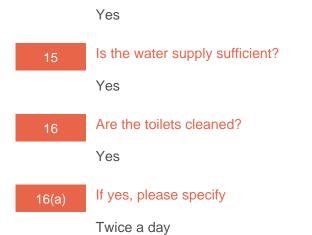
How many urinals (strictly used for urination only) do you have?

2

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

1

ls there a water storage system in place to supply water in the toilets?



Task 7: Does your school reuse/recycle waste water?

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

No

Please specify the fate of wastewater

Used for gardening and horticulture

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email		
1.	Ms Sukmati Tamang	rayanup1964@gmail.com		

Administrative staff

Sno.	Name	Email
1.	D S Tamang	rayanup1964@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Miss Sushmita Tamang		10
2.	Miss Chandra Maya Tamang		10
3.	Miss Urmila Sunwar		10
4.	Miss Anisha Rai		10
5.	Miss Moni Dolma Tamang		10
6.	Miss Jyoti Tamang		9

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

Does your school segregate solid waste?

Yes

a Who segregates the waste at source?

1. Other: students

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	12	0	11	1	0
Playgrounds	2	0	2	0	0

Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	4	0	4	0	0
Total	24	0	23	1	0

Supporting Documents

- 1. WP_20161116_14_24_33_Pro.jpg
- 2. WP_20161116_14_13_11_Pro.jpg
- 3. AdobePhotoshopExpress_19f227e17abb436dadcd31f1fb1b9459.jpg
- 4. AdobePhotoshopExpress_79bc7bea891144bfa62493345e3e0aa3.jpg
- 5. WP_000124.jpg

Task 3: How much waste does your school generate?

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	12.5
Kitchen waste	5
Paper	6.25
Plastic	3
Wood, glass, metal, classroom furniture	6
E-waste	0.1
Biomedical waste	0.15

Sanitary waste	0.5
Construction and Demolition (C & D) waste	1
Hazardous waste	0.06
Total Generated Solid Waste (in kilogram)	34.56

Supporting Documents

- $1. \ Adobe Photoshop Express_6596 de 0164f 346e 896f 4a0b 87a75d 5bd.jpg$
- 2. AdobePhotoshopExpress_679457d244f04c4ba39797a237eacad1.jpg

Task 4: How much waste does your school recycle/treat?

Does your school recycle any generated waste?

Yes

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	15
Kitchen waste	5
Paper	1
Plastic	0.6
Wood, glass, metal, classroom furniture	1
E-waste	0.1
Biomedical waste	0.05
Sanitary waste	0.1
Construction and Demolition (C & D) waste	0.1
Hazardous waste	0
Total (in kilogram)	22.95000000000006

Yes

Supporting Documents

- 1. WP_20161116_12_56_54_Pro.jpg
- 2. AdobePhotoshopExpress_6688f6fc11d1461bbdbc5074cc26d35e.jpg

What is the methodology used?

Natural composting without added microbes

What is the quantity of compost that is generated per month(in kilogram)?

3.00

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

For school garden

Does your school encourage students & teachers to reuse textbooks?

Yes

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?

Yes

Supporting Documents

1. AdobePhotoshopExpress_ba664d5d689546199a87e388ee801ab9.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPaper

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	1	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	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	12	11	1
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	1	1	0
Projectors	1	1	0
Whiteboards	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	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

Supporting Documents

1. AdobePhotoshopExpress_48dcdbbf83a540a2b8502c4e5cdbec63.jpg

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Task 6: School's initiatives

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. DSC07149.JPG
- 2. WP_20150417_14_29_07_Pro.jpg
- 3. WP_20160621_10_55_36_Pro.jpg

What form do these awareness drives take?

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

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. AdobePhotoshopExpress_679457d244f04c4ba39797a237eacad1.jpg
- 2. WP_20151119_11_52_44_Pro.jpg



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

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

Yes

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

What would be the help required to make your school a Green School?

Monetary help from department and few infrastructural development which we are lacking.

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

Orientatio	on for conducting tasks	Good
9	Would your school like to recommend any topic/s that deleted in the audit?	you strongly feel should be added or
10	Could you finish all the tasks in given period of time or Yes	nline?
11	How many times did you contact the Green Schools P counseling? Never	rogramme Team for guidance and
12	Water being the focus this year, did you find the quest your school understand how to become water efficient Yes	•
13	Did your students enjoy doing the Water activities? Yes	

Checklist of uploaded documents

- 1. Picture of Mid-day meal being served
- 2. Pictures of Green Cover
- 3. Pictures of landscaped area

5.00

4. Pictures of dustbins in classroom showing segregation at source

How many students were involved in the activities?

- 5. Pictures of playground with more than two dustbins
- 6. Picture of audit team weighing solid waste
- 7. Picture of types of solid waste generated
- 8. Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 9. Pictures of burning waste
- 10. Pictures of Electronic items used by school and storage of non-working electronic items
- 11. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 12. Pictures of respective audit teams doing survey