



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Government Secondary School Turuk

Address: Turuk, South Sikkim, 737128, Namchi,
South District, Sikkim, India

Coordinator Name: Mr. Arun Kumar 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

Government Secondary School Turuk

2

Address

Turuk, South Sikkim, 737128, Namchi, South District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3595 (NUMBER) 31413

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8348165976

5

Principal Name

Mrs. Lata Sharma

6

GSP Coordinator Name

Mr. Arun Kumar Rai

7

GSP Coordinator Email

arunkulung@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9775166830

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	127	126	253
Teachers	04	14	18
Non-Teaching Staff	06	03	9
TOTAL	137	143	280

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?

Aug

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Kabi Rai	Kabi Rai
3.	Bikash Rai	bikashrai81@yahoo.in

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	
2.	Gyan Bahadur Thapa	
3.	Kubir Rai	
4.	Normit Lepcha	
5.	Krishna Bahadur Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Amardip Chettri		10
2.	Preetam Bhujel		10
3.	Kusum Rai		10
4.	Susana Rai		10
5.	Sulochana Rai		9
6.	Manjana Tamang		10
7.	Adarsh Rai		9
8.	Preeti Rai		10
9.	Kul Bahadur Chettri		9
10.	Joshna Pradhan		10

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

1

How many classrooms does your school have?

17

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	30.00	13.39	44.63
2	30.00	13.39	44.63
3	30.00	13.39	44.63
4	30.00	13.39	44.63
5	30.00	13.39	44.63
6	30.00	13.39	44.63
7	30.00	13.39	44.63
8	30.00	13.39	44.63
9	30.00	13.39	44.63
10	30.00	13.39	44.63
TOTAL	300.00	133.90	

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	0	0	0
Taxi three-wheeler	0	0	0	0

Personal four-wheeler	0	9	0	9
Personal two-wheeler	0	0	2	2
Bicycle	0	0	0	0
On foot	253	12	4	269
Others (non-motorised)	0	0	0	0
SUB-TOTAL	253	21	6	280

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.	Bikash Rai	bikashrai81@yahoo.in
2.	Lakpa Tamang	lakpa@yahoo.in
3.	Kabi Rai	raikabi1983@gmail.com

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	
2.	Gyan Bahadur Thapa	
3.	Kubir Rai	
4.	Normit Lepcha	
5.	Krishna Bahadur Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Amardip Chettri		10
2.	Kusum Rai		10
3.	Susana Rai		10
4.	Preeti Rai		10
5.	Preetam Bhujel		10
6.	Manjana Tamang		10
7.	Sulochana Rai		9
8.	Adarsh Rai		9
9.	Joshna Pradhan		10
10.	Kul Bahadur Chettri		9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Electricity bill.PDF

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)	50	180.00	1,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	40	1868.00	4
Diesel (litres)	50	2280.00	4
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	1200	21120.00	3
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14	722.40	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1354.00	26170.40	

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	0	0	0
CFL Bulbs	0	0	0
LED Lights	22	9	5
Fans	18	80	5

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?

250

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.	Kalpana Chettri	kalpana123@gmail.com
2.	Neema Bhutia	neema@yahoo.in
3.	Leenamith Lepcha	leena84@gmail.com

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	latasharma@gmail.com
2.	G.B. Thapa	
3.	K.B. Pradhan	
4.	Normit Lepcha	
5.	Robin Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Amardip Chettri		10
2.	Kusum Rai		10
3.	Preetam Bhujel		10
4.	Susanna Rai		10
5.	Preeti Rai		10
6.	Manjana Tamang		10
7.	Sidhant Rai		10
8.	Sulochana Rai		9
9.	Adarsh Rai		9
10.	Kul Bahadur Chettri		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

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	00	00	00
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	00
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	00	00	00
Ice-cream	00	00	00
Carbonated beverages	00	00	00
Sugar sweetened noncarbonated beverages	00	00	00
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	00	00	00
Packaged/Bottled Energy Drinks	00	00	00

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?

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

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Regina Syangbo	reginasyangbo@gmail.com
2.	Arun Rai	arunkulung@gmail.com
3.	Reshma	reshma@yahoo.in

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	latasharma@gmail.com
2.	G.B. Thapa	
3.	K.B. Pradhan	
4.	Normit Lepcha	
5.	Robin Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Amardip Chettri		10
2.	Susanna Rai		10
3.	Kusum Rai		10
4.	Preeti Rai		10
5.	Preetam Bhujel		10
6.	Sidhant Rai		10
7.	Manjana Tamang		10
8.	Adarsh Rai		9
9.	Sulochana Rai		9
10.	Kul Bahadur Chettri		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 (m2)	5,000
Ground coverage area	100
Green landscaped area on-ground	2,730
Surface parking area	80
Play area that is paved/ concrete on ground	20
Play area that has grass on ground	100
Service Area on ground	2,000
Roof and terrace area	1,500
Green cover on exposed roof & terrace	10
Total built up/constructed area	1,500
Total no. of floors	2
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	1500	0	1500
Animals	2000	0	2000

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.	Lata Sharma	latasharma2014@gmail.com
2.	Bikash Rai	bikash@yahoo.in
3.	Reshma Rai	reshmarai@gmail.com

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	latasharma2014@gmail.com
2.	G. B. Thapa	
3.	K. B. Pradhan	
4.	Normit Lepcha	
5.	Kubir Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Amardip Chettri	amar@gmail.com	10
2.	Susana Rai		10
3.	Preeti Rai		10
4.	Kusum Rai		10
5.	Pritam Bhujel		10
6.	Manjana Tamang		10
7.	Sidhant Rai		10
8.	Adarsh Rai		9
9.	Sulochana Rai		9
10.	Kul Bdr. Chettri		9

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	200
Toilet flushing	500
Personal cleaning	100
Washing clothes	100
Cooking	100
Cleaning Utensils	200
Washing Vegetables	100
Mopping floors	50
Gardening	500
Total	1850

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, Rain water

3

Who supplies the water in your school?

School's own supply (bore well, rainwater harvesting facility, etc)

4

Does your school get daily water supply?

No

4(b)

If supply of water is not daily, please tick the correct option

2 days in a week

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?	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
Any other step taken for water conservation? (if Yes, please specify)	Yes

Supporting Documents

1. Taps.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.

Drinking, Mopping, 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)

60000.00

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

3.00

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

Underground

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

RCC

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

41 to 50 per cent

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

Filter unit, Storage tank, Pump unit

6(d)(1) Where is your filter unit?

Before storage tank

6(d)(2) Types of filter used in your school:

Readymade on line filter

6(e) Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

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

Yes

6(f)(1) Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

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?

Post-monsoon

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?

No

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?

12

9 How many hand pumps do you have?

1

10

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

7

11

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

	Girls	Boys	Common	Total
Number of toilets	2	3	0	5

12

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

0

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?

No

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.	Beekash Rai	beekash@gmail.com
2.	Lakpa Tamang	lakpa@gmail.com
3.	Arun Rai	arunkulung@gmail.com

Administrative staff

Sno.	Name	Email
1.	Lata Sharma	
2.	G.B. Thapa	
3.	Kubir Rai	
4.	K.B. Pradhan	
5.	Normit Lepcha	

Students

Sno.	Name	Email	Grade/Class
1.	Amardeep Chettri		10
2.	Susana Rai		10
3.	Preeti Rai		10
4.	Preetam Bhujel		10
5.	Manjana Tamang		10
6.	Preeti Chettri		10
7.	Kusum Rai		10
8.	Yeshiya Lepcha		10
9.	Adarsh Rai		9
10.	Sulochana Rai		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. Housekeeping (Sweeper)
3. Other: Panchayat

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	11	0	11	0	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	1	0	1	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	2	1	1	0	0
Total	21	1	20	0	0

Supporting Documents

1. Collection bin 1.jpg
2. Collection bin 4.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	5
Kitchen waste	20
Paper	12
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	1
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	.3
Hazardous waste	.2
Total Generated Solid Waste (in kilogram)	47.5

No documents uploaded by the school.

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	5
Kitchen waste	16
Paper	12
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	0

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	40

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)?

5.00

5c

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

For school garden

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)

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	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	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0

Personal computers (CPU, mouse, screen and keyboard included)	11	3	8
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	3	0
Copying equipment (Photocopiers)	1	1	0
Projectors	2	2	0
Whiteboards	5	5	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	20	20	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 dismantler

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?

No

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?

Guidance and financial support.

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	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>Once</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>10.00</p>

Checklist of uploaded documents

1. Electricity Bill
2. Pictures of dustbins in classroom showing segregation at source
3. Pictures of Electronic items used by school and storage of non-working electronic items