



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Government Senior Secondary School,
Chujachen

Address: Chujachen, Rongli, Rongli, East District,
Sikkim, India

Coordinator Name: Kiran 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 Senior Secondary School, Chujachen

2

Address

Chujachen,Rongli, Rongli, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3592 (NUMBER) 123456

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9609877078

5

Principal Name

Pramod Pradhan

6

GSP Coordinator Name

Kiran Rai

7

GSP Coordinator Email

kirannrai@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9002629298

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:12

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	393	452	845
Teachers	28	31	59
Non-Teaching Staff	7	3	10
TOTAL	428	486	914

4(b)

How many visitors visit your school

15

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, Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Kiran Rai	Kiran Rai

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Parita Gurung		12
2.	Tulasha Sharma		11
3.	Sheetal Pradhan		12
4.	Deo Kumar Rai		12
5.	Suruk Dahal		11
6.	Yogesh Rai		11
7.	Sonam Gurung		10
8.	Sandhya Chettri		9

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

1 How many classrooms does your school have?

30

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	150.00	64.50	43.00
V	225.00	64.50	28.67
VI(A)	300.00	74.50	24.83

VII(A)	400.00	94.50	23.63
VIII(A)	400.00	94.50	23.63
XI(B)	600.00	144.50	24.08
X(A)	400.00	94.50	23.63
XI(ARTS)	625.00	124.50	19.92
XII(ARTS)	400.00	94.50	23.63
XII(SCIENCE)	400.00	94.50	23.63
TOTAL	3,900.00	945.00	

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-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	1	0	0	0	1
No. of vehicles more than five years old	1	0	0	0	1
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	1	0	0	0	1
Parking area (m2)	50	0	0	0	50

No documents uploaded by the school.

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	1	0	0	0	0	0
Car	00	0	0	0	0	0

Van	00	0	0	0	0	0
Other vehicles	00	0	0	0	0	0
SUB-TOTAL	1	0	0	0	0	0

Supporting Documents

1. IMG_20161025_131644k.jpg

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	80	0	2	82
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	100	12	2	114
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	12	1	13
Personal two-wheeler	0	1	0	1
Bicycle	0	0	0	0
On foot	665	34	5	704
Others (non-motorised)	0	0	0	0
SUB-TOTAL	845	59	10	914

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.	Kiran Rai	kirannraii@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Deo Kumar Rai		12
2.	Yogesh Rai		11
3.	Sheetal Pradhan		12
4.	Anchala Gurung		11
5.	Sonam Gurung		10
6.	Arpan Rai		9
7.	Sandhya Chettri		9
8.	Upasana gurung		12

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?

Yes

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)	00	0.00	0
Petrol (litres)	130	6071.00	4
Diesel (litres)	125	5700.00	4
CNG (kilogrammes)	00	0.00	0
Kerosene (litres)	00	0.00	0
Coal (kilogrammes)	00	0.00	0
Wood (kilogrammes)	50	880.00	3
Animal waste (kilogrammes)	00	0.00	0
Solar (kwh)	00	0.00	0
Wind (kwh)	00	0.00	0
LPG (kilogrammes)	00	0.00	0
Piped Natural Gas (kilogrammes)	00	0.00	0
TOTAL	455.00	13191.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	N/A
Refrigerator	0	0	N/A
Microwave	0	0	N/A
Tube Lights	0	0	N/A
CFL Bulbs	30	12	N/A
LED Lights	0	0	N/A

Fans	30	30	N/A
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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?

180

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.	Krishna Kumar Pradhan	krishnakumarpradhan82@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Rashi Jain		12
2.	Tikaram Chettri		12
3.	Palden Lepcha		11
4.	Srijana Pradhan		11
5.	Devika Gurung		11
6.	Tulasha Sharma		11
7.	Bishal Gurung		10
8.	Lamu Sherpa		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	8	1200	9
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	3	200	9
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	4	500	9
Ice-cream	0	0	0
Carbonated beverages	3	405	8
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	120	8
Packaged/Bottled Energy Drinks	0	0	0

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	8

Others

0

4(b)

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

School does not serve rare local cuisine. But school celebrate World Tourism Day. On this occasion the students exhibits traditional local cuisine like sekwa, kokti, buck-wheat bread, etc.

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.	Krishna Kumar Pradhan	krishnakumarpradhan82@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Rashi Jain		12
2.	Tikaram Chettri		12
3.	Palden Lepcha		11
4.	Srijana Pradhan		11
5.	Tulasha Sharma		11
6.	Bishal Gurung		10
7.	Roshan Rai		9
8.	Pranay Rai		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 ²)	211
Ground coverage area	1,016
Green landscaped area on-ground	10,117
Surface parking area	50
Play area that is paved/ concrete on ground	139
Play area that has grass on ground	697

Service Area on ground	0
Roof and terrace area	1,070
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,982
Total no. of floors	9
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	234	14	248
Animals	62	1	63

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. IMG_20161112_112228yyy.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Bikash Gurung	bikky2gurung@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Sita Chettri		12
2.	Sapna Rai		11
3.	Padma Sharma		11
4.	Chandra Kumari Gurung		11
5.	Deepika Gazmer		10
6.	Sabita Kharka		10
7.	Uma Sharma		9
8.	Nuzangmu Sherpa		11

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	1500
Toilet flushing	800
Personal cleaning	200
Washing clothes	00
Cooking	100
Cleaning Utensils	40

Washing Vegetables	5
Mopping floors	8
Gardening	15
Total	2668

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?

Panchayat

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?	Yes

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).

20000

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?

8

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	4	4	0	8

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

8

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

1

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

Twice 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

Used for gardening and horticulture

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Bikash Gurung	bikky2gurung@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bhoj Kumar Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Sita Chettri		12
2.	Sapna Rai		11
3.	Padma Sharma		11
4.	Chandra Kumari Gurung		11
5.	Deepika Gazmer		10
6.	Uma Karki		9
7.	Sabita Khadka		10
8.	Nuzangmu		11

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	30	0	10	20	0
Playgrounds	2	0	1	1	0
Common area (e.g. reception, corridors)	6	0	4	2	0
Staffroom	4	0	2	2	0
Laboratory	4	0	0	4	0
Canteen	3	0	1	2	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	4	0	4	0	0
Total	54	0	23	31	0

Supporting Documents

1. IMG-20161110-WA0006.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	6
Kitchen waste	10
Paper	3
Plastic	1
Wood, glass, metal, classroom furniture	5
E-waste	0.03
Biomedical waste	00
Sanitary waste	9

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	34.03

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?

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)?

8.00

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	0	0	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)	20	15	5
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	3	2
Copying equipment (Photocopiers)	1	1	0
Projectors	1	1	0
Whiteboards	8	8	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	1	1	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?

Taken back by manufacturer

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. DSC04722kk.jpg

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?

No

Supporting Documents

1. IMG-20161110-WA0008.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

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?

Making school a Green School depends on the positive and cooperative attitude of the school family. If it is so, nothing will hinder a school from becoming a Green school. I tried hard to create such environment in my school.

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?

Once

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?

24.00

Checklist of uploaded documents

1. Picture of School owned vehicles
2. Picture of Mid-day meal being served
3. Traditional food items sold in canteen
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Pictures of dustbins in classroom showing segregation at source
7. Pictures of respective audit teams doing survey