



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: C M Rai Government Secondary School
Omchu

Address: Omchu, Namchi, South District, Sikkim,
India

Coordinator Name: Dinesh Gurung



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

C M Rai Government Secondary Schoool Omchu

2

Address

Omchu, Namchi, South District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) (NUMBER) 255676

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9733096216

5

Principal Name

Prabin Pradhan

6

GSP Coordinator Name

Dinesh Gurung

7

GSP Coordinator Email

omchu.ss@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8145316430

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	38	19	57
Teachers	8	9	17
Non-Teaching Staff	4	0	4
TOTAL	50	28	78

4(b)

How many visitors visit your school

5

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.	Azer Rai	Azer Rai

Administrative staff

Sno.	Name	Email
1.	Krishna Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Birkha Bahadur Rai	birkhaarai15@gmail.com	9
2.	Birshika Rai	birshikarai01@gmail.com	9
3.	Jiwan Rai	raijiwan2506@gmail.com	9
4.	Lata Rai	latarei005@gmail.com	9
5.	Ongden Lepcha	ongden007@gmail.com	9
6.	Prabin Rai	prabinrai225@gmail.com	9

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

1 How many classrooms does your school have?

10

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	29.70	4.70	15.82
II	29.70	4.70	15.82
III	13.30	7.90	59.40
IV	13.30	7.90	59.40
V	44.50	6.40	14.38

VI	29.70	5.50	18.52
VII	44.50	6.40	14.38
VIII	29.70	5.50	18.52
IX	29.70	5.50	18.52
X	29.70	5.50	18.52
TOTAL	293.80	60.00	

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	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	11	0	11
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	0	01	1
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	57	06	03	66
Others (non-motorised)	0	0	0	0
SUB-TOTAL	57	17	4	78

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.	Sanjay Rai	sanjakulung4@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mohan Prasad Subba	

Students

Sno.	Name	Email	Grade/Class
1.	Ongcho Lepcha	ongcho006@gmail.com	9
2.	Prasansa Rai	prasansa009@gmail.com	9
3.	Rapden Lepcha	rapdenlepcha18@gmail.com	9
4.	Rongen Lepcha	rongenlepcha115@gmail.com	9
5.	Sharad Rai	sharadrai013@gmail.com	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

No

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)	15.5	55.80	3

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)	2	89.40	1
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	180	3168.00	1
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	197.50	3313.20	

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	2	40	3
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	4	75	3

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?

120

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.	Azer Rai	rai.azer@gmail.com

Administrative staff

Sno.	Name	Email
1.	Krishna Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Birkha Bdr Rai	birkhaarai15@gmail.com	9
2.	Birshika Rai	birshikarai01@gmail.com	9
3.	Jiwan Rai	raijiwan2506@gmail.com	9
4.	Lata Rai	latarai005@gmail.com	9
5.	Ongden Lepcha	ongden007@gmail.com	9
6.	Prabin Rai	prabinrai225@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
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	7	200	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	2	150	10
Potato fries and Burgers	0	0	0
Confectionery items (chocolate, candies, gums)	3	300	10
Ice-cream	1	500	10
Carbonated beverages	1	50	10
Sugar sweetened noncarbonated beverages	1	100	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

Supporting Documents

1. Aqua_Power_HD_20161019_151650.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?

Éclairs, Coffee bites.

8

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

No

Supporting Documents

1. Aqua_Power_HD_20161019_151650.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Sanjay Rai	sanjaykulung@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mohan Prasad subba	

Students

Sno.	Name	Email	Grade/Class
1.	Ongcho Lepcha	ongcho006@gmail.com	9
2.	Prasansa Rai	prasansa009@gmail.com	9
3.	Rapden Lepcha	rapdenlepcha18@gmail.com	9
4.	Rongen Lepcha	rongenlepcha115@gmail.com	9
5.	Sharad Rai	sharadrai013@gmail.com	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)	10,198
Ground coverage area	775
Green landscaped area on-ground	218
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	2,114
Service Area on ground	0
Roof and terrace area	336

Green cover on exposed roof & terrace	0
Total built up/constructed area	1,364
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	6	2	8
Animals	6	0	6

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. 20161022_122659.jpg
2. 20161022_122639.jpg
3. 20161022_122957.jpg
4. 20161022_125559.jpg
5. 20161022_123840.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Dinesh Gurung	omchu.ss@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Krishna Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Shrijana Rai		10
2.	Pem Lhamu Lepcha		10
3.	Mayal Lepcha		10
4.	Dichayop Rai		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	15
Toilet flushing	20
Personal cleaning	0
Washing clothes	0
Cooking	15
Cleaning Utensils	30
Washing Vegetables	10
Mopping floors	0
Gardening	30

Total	120
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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
2-6 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?	Yes
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

Supporting Documents

1. 20161107_121953.jpg
2. 20161107_122338.jpg
3. 20161107_101159.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).

3000

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)?	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?

4

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?

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?

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

Used for groundwater recharge

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Dinesh Gurung	omchu.ss@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mohan Prasad Subba	

Students

Sno.	Name	Email	Grade/Class
1.	Dichhayop Rai		10
2.	Mayal Lepcha		10
3.	Srijana Rai		10
4.	Pem Lhamu Lepcha		10

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	10	0	10	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	2	0	0	2	0

Staffroom	2	0	2	0	0
Laboratory	2	0	2	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	0	0	0	0	0
Library	2	0	0	2	0
Toilets	1	1	0	0	0
Others	0	0	0	0	0
Total	22	1	15	6	0

Supporting Documents

1. 20161107_101844.jpg
2. 20161107_103041.jpg
3. 20161107_103126.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	100
Kitchen waste	15
Paper	75
Plastic	75
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 Generated Solid Waste (in kilogram)

265

Supporting Documents

1. 20161110_125459.jpg

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)	✗	✗	✗	✓

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. 20161110_124953.jpg

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Paper

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)	10	10	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)	0	0	0
Projectors	0	0	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. 20160805_122009.jpg

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

Supporting Documents

1. 20160604_124852.jpg

13a

What form do these awareness drives take?

As part of the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. 20161110_125459.jpg



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?

community participation, funding from department, involvement of students and teachers.

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?

More than twice

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?

15.00

Checklist of uploaded documents

1. Picture of Mid-day meal being served
2. Picture of Canteen selling UPPF
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
6. Pictures of playground with more than two dustbins
7. Picture of audit team weighing solid waste
8. Picture of types of solid waste generated
9. Pictures of burning waste
10. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
11. Pictures of respective audit teams doing survey