



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: C.S.Rai Government Junior High School
Address: Arithang, East Sikkim, Gangtok, East District, Sikkim, India
Coordinator Name: Mr. Hari Narayan Pradhan



AIR



ENERGY



FOOD



LAND



WATER



WASTE

Green Schools Programme

Centre for Science and Environment

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<http://www.greenschoolsprogramme.org/>

SCHOOL PROFILE

1

Name of the School / Institution

C.S.Rai Government Junior High School

2

Address

Arithang,East Sikkim, Gangtok, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) (NUMBER) 0

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7797337971

5

Principal Name

Bhim Shamsar Chettri

6

GSP Coordinator Name

Mr.Hari Narayan Pradhan

7

GSP Coordinator Email

hnp_som@yahoo.co.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9733098547

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:8

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	254	269	523
Teachers	06	33	39
Non-Teaching Staff	02	2	4
TOTAL	262	304	566

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?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Ram Gurung	Mr. Ram Gurung

Administrative staff

Sno.	Name	Email
1.	Jermit Lepcha	

Students

Sno.	Name	Email	Grade/Class
1.	Nazir Hussain		6
2.	Kushal Keshri		6
3.	Sukrit Keshri		7
4.	Mikhal Shewa		7
5.	Abishek Kumar		5
6.	Krishna Biswakarma		7
7.	Gyanasham Giri		5
8.	Bikash Sharma		6
9.	Abishek Chettri		8
10.	Sanjok Chettri		7

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

1 How many classrooms does your school have?

11

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)
Class V A	23.45	6.13	26.14

Class V B	22.53	8.67	38.48
Class VI A	24.90	8.47	34.02
Class VI B	21.33	4.46	20.91
Class VII A	18.79	6.32	33.63
Class VII B	24.38	6.91	28.34
Class VII C	24.92	8.09	32.46
Class VIII A	21.33	4.46	20.91
Class VIII B	22.53	8.67	38.48
Language Class	19.90	7.35	36.93
TOTAL	224.06	69.53	

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	8	1	9
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	4	0	4
Personal two-wheeler	0	2	0	2
Bicycle	0	0	0	0

On foot	523	26	2	551
Others (non-motorised)	0	0	0	0
SUB-TOTAL	523	40	3	566

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.	Tshering Doma Bhutia	tsheringdoma58@gmaill.com

Administrative staff

Sno.	Name	Email
1.	Man Bahadur Sunwar	

Students

Sno.	Name	Email	Grade/Class
1.	Sanju Mahati		5
2.	Sunil Rai		5
3.	Priya Sah		6
4.	Manika Gurung		6
5.	Md.Imran		7
6.	Abhay Darjee		7
7.	Sahil Gupta		7
8.	Priyanka Sah		8
9.	Roshan Singh		8

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. E.Bill0001.jpg
2. E.Bill0005 - Copy.jpg

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)	68	244.80	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)	99.4	5129.04	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	167.40	5373.84	

Supporting Documents

1. IMG-20161115-WA0002.jpg

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	16	15	5
LED Lights	0	0	0
Fans	01	250	2

Supporting Documents

1. IMG-20161107-WA0033.jpg
2. IMG-20161107-WA0027.jpg
3. IMG-20161107-WA0026.jpg

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

5

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

0

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.	Ranjana Chettri	ranjuchettri28@gmail.com

Administrative staff

Sno.	Name	Email
1.	Kamal Chettri	

Students

Sno.	Name	Email	Grade/Class
1.	Tiranga Lama		8
2.	Trishala Subba		8
3.	Rani Sharma		7
4.	Angita Giri		7
5.	Bhumika Rai		7
6.	Md.Faiyaj Alam		7
7.	Sagufta Parveen		6
8.	Sanjana Rai		6
9.	Riya Shah		5

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	4	2810	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	4	440	10
Potato fries and Burgers	2	120	10
Confectionery items (chocolate, candies, gums)	2	20	10
Ice-cream	4	200	6
Carbonated beverages	6	300	6
Sugar sweetened noncarbonated beverages	2	1360	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	4	250	8
Packaged/Bottled Energy Drinks	0	0	0

Supporting Documents

1. IMG_20161115_134024.jpg

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	25
Idli/vada and sambhar	30

Pav bhaji	0
Momos	15
Others	50

4(b) Give descriptions for rare local snacks served in your school:?

Puri,Chapatties,cheda curry,matar chola,Aludum,Alu fry,Paratha,T-momos,Salroti,Faleys,Veg.or non veg. momos,noodles and Dalpuri.

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	10
Sweet lassi	10
Salted butter milk	10
Aam Panna	10
Others	50

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?

Kitkat,Dairy milk,Munch,Peanut Chocolates,coconut chocolate,5-stars etc.

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

Yes

8(a) Does the school distribute packaged food items as rewards during schools events?

Yippee Company (sometimes).

8(b)

Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

Supporting Documents

1. IMG-20161107-WA0038.jpg
2. IMG-20161107-WA0040.jpg
3. IMG-20161107-WA0044.jpg
4. IMG-20161107-WA0052.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Tshering Phuti Bhutia	bhutiatsheringphuti@gmail.com

Administrative staff

Sno.	Name	Email
1.	0	

Students

Sno.	Name	Email	Grade/Class
1.	Punal Lepcha		8
2.	Novnit Sharma		8
3.	Harshavardhan Singh		7
4.	Nurshed Alam		7
5.	Bunu Limboo		7
6.	Santi Gurung		7
7.	Passang Yanki		5
8.	Goldi Kumari		5
9.	Kushal Keshari		6
10.	Retika Rai		6

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)	146
Ground coverage area	164
Green landscaped area on-ground	0
Surface parking area	0

Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0
Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	146
Total no. of floors	3
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	130	0	130
Animals	0	0	0

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_20161116_121325.jpg
2. IMG_20161116_121415.jpg
3. IMG_20161116_121706.jpg
4. IMG_20161116_122003.jpg
5. IMG-20161108-WA0007.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Babita Thapa	babitat177@gmail.com

Administrative staff

Sno.	Name	Email
1.	0	0

Students

Sno.	Name	Email	Grade/Class
1.	Rinzing Bhutia		8
2.	Serena Rai		8
3.	Prince Kr. Singh		6
4.	Srijana Chettri		7
5.	Anushka Rai		7
6.	Chandan Rajak		7
7.	Larench Lepcha		7
8.	Krishna Sundas		6
9.	Amrita		5

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	500
Toilet flushing	100
Personal cleaning	50
Washing clothes	0
Cooking	50

Cleaning Utensils	40
Washing Vegetables	20
Mopping floors	10
Gardening	25
Total	795

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?

Private supplier

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?	No
If your school has an eco-club, do they have water component?	No
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?	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?	Yes
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).

1000

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?

7

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	3	3	1	7

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

More than 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

Wastewater flows directly to the drains

Supporting Documents

1. IMG_20161115_120941.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Devedra Basnet	devendrab330@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rani Devi	

Students

Sno.	Name	Email	Grade/Class
1.	Markus Lepcha		8
2.	Bipana Rai		8
3.	Pratima Bhujel		7
4.	Sancha hang Subba		7
5.	Kelvin Chettri		7
6.	Rajeev Rai		6
7.	Dawa Lahmu		5
8.	Abishek Sharma		5
9.	Rejina Rai		5

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)

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	9	0	0	9	0
Playgrounds	0	0	0	0	0
Common area (e.g. reception, corridors)	3	0	0	3	0
Staffroom	1	0	0	1	0
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	1	0	1	0	0
Others	3	0	0	0	3
Total	17	0	1	13	3

Supporting Documents

1. IMG-20161112-WA0013.jpg
2. IMG-20161112-WA0012.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	245
Paper	100
Plastic	15
Wood, glass, metal, classroom furniture	0
E-waste	0

Biomedical waste	0
Sanitary waste	4
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	369

Supporting Documents

1. IMG-20161112-WA0004.jpg
2. IMG-20161112-WA0001.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)

Supporting Documents

1. IMG-20161112-WA0005.jpg

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		
VCR or DVD players	0		
Refrigerators and freezers	0		
Washing machines	0		
Air conditioners	0		
Heaters	0		
Microwaves	0		
Ovens	0		

Toasters	0		
Electric Kettles	0		
Personal computers (CPU, mouse, screen and keyboard included)	2	1	1
Laptop computer (CPU, mouse, screen and keyboard included)	0		
Notebook computers	1	1	
Notepad computers	0		
Printers	1	1	
Copying equipment (Photocopiers)	1		1
Projectors	1		1
Whiteboards	0		
Electrical & electronic typewriters	0		
Pocket & desk calculators	2	2	
Fax machines	0		
Telex	0		
Telephones	0		
Pay telephones	0		
Mobiles	0		
Answering systems	0		

Supporting Documents

1. IMG-20161117-WA0002.jpg
2. IMG-20161117-WA0007.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?

Yes

Policy document

IMG-20161117-WA0012.jpg

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

Supporting Documents

1. IMG-20161117-WA0013.jpg
2. IMG-20161117-WA0014.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. IMG-20161112-WA0014.jpg
2. IMG-20161112-WA0009.jpg
3. IMG-20161117-WA0006.jpg
4. IMG-20161117-WA0001.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?

02

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?

We need infrastructural development with play ground facility .

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?

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?

9.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of Canteen selling UPPF
3. Traditional food items sold in canteen
4. Building construction plan
5. Pictures of dustbins in classroom showing segregation at source
6. Picture of audit team weighing solid waste
7. Picture of types of solid waste generated
8. Pictures of housekeeping staff disposing different types of solid waste
9. Pictures of Electronic items used by school and storage of non-working electronic items
10. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
11. Pictures of respective audit teams doing survey