

Responses for Green Schools Programme Audit 2016

School Name: bhusuk junior high school

Address: gangtok, sikkim, gangtok, East District,

Sikkim, India

Coordinator Name: sarita pradhan



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

bhusuk junior high school

2 Address

gangtok, sikkim, gangtok, East District, Sikkim, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) (NUMBER) 22022

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9434137100

5 Principal Name

ganesh Kumar bista

6 GSP Coordinator Name

sarita pradhan

GSP Coordinator Email

pradhansarita072@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9734133550

9 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:8

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	66	58	124
Teachers	10	9	19
Non-Teaching Staff	1	0	1
TOTAL	77	67	144

4(b) How many visitors visit your school

4

What is the total number of working days of your school in a year?

220

Month(s) in which the GSP audit was carried out?

Oct

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	sarita pradhan	sarita pradhan
2.	ganesh kumar bista	ganeshbista1234@gmail.com
3.	kalzang bhutia	naiveundetected@gmail.com

Administrative staff

Sno.	Name	Email
1.	gyan pradhan	gyan@gmail.com
2.	rakesh rai	rai@yahoo.com
3.	kalzang bhutia	naiveundetected@gmail.com
4.	sita sharma	sharma@gmail.com
5.	sonam norbu bhutia	snbhu@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	rojeena chettri	rogina@gmail	8
2.	srijana chettri	chettri@yahoo.com	8
3.	rahul gurung	rah@yahoo.com	7
4.	pranay subba	sub1@gmail.com	7
5.	sunil manger	sunny@yahoo.com	6
6.	aki Ihamu	lhamu@yahoo.com	6
7.	monika rai	monika@gmail.com	6
8.	phur lhamu tamamg	phuttam@yahoo.com	6
9.	vijay tamang	vij@gmail.com	8
10.	manish chettri	mani12@gmail.com	8

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

1

How many classrooms does your school have?

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	31.00	10.12	32.65
2	31.00	10.12	32.65
3	30.00	8.05	26.83
4	30.00	8.05	26.83
5	30.00	8.05	26.83
6	30.00	8.05	26.83
7	31.00	10.12	32.65
8	31.00	10.12	32.65
0	0.00	0.00	0.00
0	0.00	0.00	0.00
TOTAL	244.00	72.68	

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	11	0	11

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	4	0	4
Bicycle	0	0	0	0
On foot	124	1	1	126
Others (non-motorised)	0	0	0	0
SUB-TOTAL	124	19	1	144

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



1

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

If No, is there an air quality monitoring station (private or government) close to your school?

No

6(a)



Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	poonam chettri	chettripoonam@gmail.com
2.	tshering ongmoo	denzongpao@gmail.com
3.	sarita pradhan	peadhansarita072@gmail.com

Administrative staff

Sno.	Name	Email
1.	k b gurung	kbgur@gmail.com
2.	sita sharma	sita@gmail.com
3.	tseten bhutia	tse@gmail.com
4.	ganesh bista	ganeshbista1234@gmail.com
5.	sonam ongmoo bhutia	sonam@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	buzai rai	buzaiiii@gmail.com	6
2.	anisha tamang	anisha@yahoo.com	6
3.	devila chettri	devi@gmail.com	6
4.	anjali rai	anhali11@gmail.com	6
5.	anmol pradhan	pradhananmol@gmail.com	6
6.	rohit rai	rohit11@gmail.com	6
7.	rinchen rai	rinch@gmail.com	6
8.	bipasa rai	bipsafmail.com	7
9.	arpan rai	arpan12@gmail.com	7
10.	bimal chettri	bimal@gmail.com	7

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

- 1. IMG-20161026-WA0005.jpg
- 2. IMG-20161026-WA0004.jpg
- 3. IMG-20161026-WA0003.jpg
- 4. IMG-20161026-WA0003.jpg
 - 2 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)	36	129.60	0
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)	5	88.00	0
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	41.00	217.60	

Supporting Documents

- 1. IMG-20161026-WA0002.jpg
- 2. IMG-20161026-WA0003.jpg
- 3. IMG-20161026-WA0004.jpg
- 4. IMG-20161026-WA0005.jpg

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	8	80	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	0	0	0

No documents uploaded by the school.

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

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

90

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

Sno.	Name	Email
1.	sita sharma	sita@gmail.com
2.	poonam chettri	chettri@gmail.com
3.	tshering ongmoo bhutia	ongmoo@gmail.com

Administrative staff

Sno.	Name	Email
1.	k.b gurung	kbchettri@gmail.com
2.	phurbu tenzing	phurbu@yahoo.com
3.	gyan pradhan	gyan@yahoo.com
4.	hissay chopel bhutia	hissay@gmail.com
5.	dolmi tamang	tamang@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	amir gurung	gurung@yahoo.com	7
2.	arpan lama	arpan@gmail.com	7
3.	bandana rai	brai@gmail.com	7
4.	binita kami	bini@fnail.com	7
5.	bidhan tamang	btamang@gmail.com	7
6.	bipasha rai	bipsrai@gmail.com	7
7.	dawa tshering tamang	dawatsh@yahoo.com	7
8.	kamal sharma	kamal@yahoo.com	7
9.	mina tamang	minat@gmail.com	7
10.	neelu rai	neelurai@gmail.com	7

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

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	00	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.

Does your school serve traditional Indian snacks?

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?

Ecalairs, munch

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

No

No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	tseten bhutia	tseten123@gmail.com
2.	kalzang bhutia	kalzang111@gmail.com
3.	chomit lepcha	cholep@gmail.com

Administrative staff

Sno.	Name	Email
1.	k b gurung	kbchetrri@gmail.com
2.	phurbu tenzing	phurbu@yahoo.com
3.	gyan pradhan	gyan@yahoo.com
4.	hissay chopel bhutia	hissay@gmail.com
5.	dolmi tamang	tamang@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	lakpa ramang	ljtamang@yahoo.com	7
2.	neeta chettri	neeta1@gmail.com	7
3.	pemalhamu kepcha	pll2@gmail.com	7
4.	pravin gurung	pgurung@gmail.com	7
5.	priyanka chettri	chettripriyanka@gmail.com	7
6.	pranay subba	subba@yahoo.com	7
7.	rahul gurung	rahulgurung@yahoo.com	7
8.	sarita tirwa	stirwa@gmail.com	7
9.	sokey rai	sokeyr@gmail.com	7
10.	sandip darjee	sandip3@gmail.com	7

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

Complete the table:

1

Site area in square meter (m2)	23,311
Ground coverage area	394
Green landscaped area on-ground	250
Surface parking area	0
Play area that is paved/ concrete on ground	116
Play area that has grass on ground	195
Service Area on ground	0
Roof and terrace area	224
Green cover on exposed roof & terrace	0
Total built up/constructed area	394
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	45	4	49
Animals	15	0	15

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. IMG-20161108-WA0009.jpg
- 2. IMG-20161108-WA0002.jpg
- 3. IMG-20161108-WA0003.jpg
- 4. IMG-20161108-WA0007.jpg

5. IMG-20161108-WA0006.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	sita sharma	sita@gmail.com
2.	poonam chettri	chettri@gmail.com
3.	tshering ongmoo	ongmoo@gmail.com

Administrative staff

Sno.	Name	Email
1.	k b gurung	kbchettri@gmail.com
2.	phurbu tenzing	phurbu@yahoo.com
3.	gyan pradhan	gyan@yahoo.com
4.	hissay chopel bhutia	hissay@gmail.com
5.	dolmi tamang	tamang@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	amir gurung	gurung@gmail.com	7
2.	arpan lama	arpan@gmail.com	7
3.	bandana rai	brai@gmail.com	7
4.	binita kami	bini@gmail.com	7
5.	bidhan tamang	btamang@gmail.com	7
6.	bipasha rai	bipsrai@gmail.com	7
7.	dawa tshering tamang	dawatsh@yahoo.com	7
8.	kamal sharma	kamal@yahoo.com	7
9.	mina ramang	minat@gnail.com	7
10.	neelu rai	neelurai@gmail.com	7

Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity

Drinking	700
Toilet flushing	1500
Personal cleaning	0
Washing clothes	0
Cooking	800
Cleaning Utensils	300
Washing Vegetables	50
Mopping floors	0
Gardening	5
Total	3355

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

Who supplies the water in your school?

Panchayat

Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

19-24 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?	Yes

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?	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. IMG-20161109-WA0011.jpg
- 2. IMG-20161109-WA0012.jpg
- 3. IMG-20161109-WA0015.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?.

No

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.

Gardening, Toilets, Kitchen (Cooking/Washing vegetables and utensils), Shower, Brushing teeth, Bathing, Hand washing

6(b)(2) Does your school have rainwater storage tank?

Yes

6(b)(2)(a) Total capacity of storage tank (litres)

4000.00

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

1.00

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

Over ground

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

RCC

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

21 to 30 per cent

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

First flush

Rate your catchment on cleanliness:

Good

Supporting Documents

- 1. IMG-20161109-WA0006.jpg
- 2. IMG-20161109-WA0011.jpg
- 3. IMG-20161109-WA0012.jpg
- 4. IMG-20161109-WA0013.jpg
- 5. IMG-20161109-WA0015.jpg

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

Yes

Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

Please specify when does your school monitor the groundwater level?

Do not follow any such pattern

6(h)	What is the trend of groundwater level in your school across the year?
	No change

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?

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

How many drinking water taps do you have?

5

9 How many hand pumps do you have?

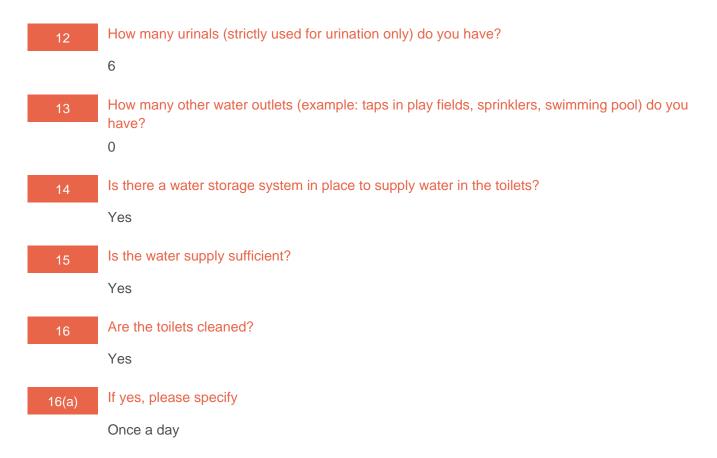
0

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

4

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

	Girls	Boys	Common	Total
Number of toilets	3	3	0	6



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

Does your school treat wastewater?

No

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.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	tseten bhutia	tseten123@gmail.com
2.	kalzang bhutia	kalzang111@gmail.com
3.	chomit lepcha	cholep@gmail.com

Administrative staff

Sno.	Name	Email
1.	k b gurung	kbchettri@gmail.com
2.	phurbu tenzing	phurbu@yahoo.com
3.	gyan pradhan	gyan@yahoo.com
4.	hissay chopel bhutia	hissay@gmail.com
5.	dolmi tamang	tamang@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	lakpa tamang	lktamang@yahoo.com	7
2.	neeta chettri	neeta1@gmail.com	7
3.	pema lhamu lepcha	pll2@gmail.com	7
4.	pravin gurung	pgurung@gmail.com	7
5.	priyanka chettri	chettripriyanka@gmail.com	7
6.	praney subba	subba@yahoo.com	7
7.	rahul gurung	rahulgur@yahoo.com7	7
8.	sarita tirwas	stirwa@gmail.com	7
9.	sokey rai	sokeyr@gmail.com	7
10.	sandip darjee	sandip3@gmail.com	7

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

1

Does your school segregate solid waste?

No

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	8	0	8	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	3	0	3	0	0
Laboratory	0	0	0	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	0	0	0	0	0
Total	16	0	16	0	0

Supporting Documents

- 1. IMG-20161114-WA0019.jpg
- 2. IMG-20161114-WA0021.jpg
- 3. IMG-20161114-WA0023.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	10
Kitchen waste	1
Paper	200
Plastic	100

Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	.1
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	311.1

Supporting Documents

- 1. IMG-20161114-WA0025.jpg
- 2. IMG-20161114-WA0027.jpg
- 3. IMG-20161114-WA0013.jpg
- 4. IMG-20161114-WA0007.jpg

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

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

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?

Open dumping

Supporting Documents

- 1. IMG-20161114-WA0014.jpg
- 2. IMG-20161114-WA0017.jpg
- 3. IMG-20161114-WA0020.jpg

9

Does your school burn waste?

Yes

Supporting Documents

- 1. IMG-20161114-WA0014.jpg
- 2. IMG-20161114-WA0020.jpg

Qa

Where does your school burn waste?

Inside the school

Paper

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)	0	0	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	0	0	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	3	3	0

Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	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

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 dealer

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 the curriculum, By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



FEEDBACK

No

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 support, expert help in installing renewal equipments, different types of motivational activities.

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Good
Orientation for conducting tasks	Good

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Yes

How many times did you contact the Green Schools Programme Team for guidance and counseling?

Once

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

Did your students enjoy doing the Water activities?

Yes

How many students were involved in the activities?

10.00

Checklist of uploaded documents

- 1. Electricity Bill
- 2. Picture of Mid-day meal being served
- 3. Pictures of Green Cover
- 4. Pictures of landscaped area
- 5. Building construction plan
- 6. Pictures of dustbins in classroom showing segregation at source
- 7. Pictures of playground with more than two dustbins
- 8. Picture of audit team weighing solid waste
- 9. Picture of types of solid waste generated
- 10. Pictures of housekeeping staff disposing different types of solid waste
- 11. Pictures of burning waste