



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: martam yangthang government junior high school

Address: p/o bhansari goan via ranipool east
sikkim, gangtok, East District, Sikkim,
India

Coordinator Name: karma thupden bhutia



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

martam yangthang government junior high school

2

Address

p/o bhansari goan via ranipool east sikkim, gangtok, East District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0359 (NUMBER) 225632

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9434117530

5

Principal Name

D B Cintury

6

GSP Coordinator Name

karma thupden bhutia

7

GSP Coordinator Email

bhutiakarma9@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8116310965

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?

State Board of Education (please select name of your state from the list below if applicable)

State: Sikkim

4

Total permanent population of the school

	Male	Female	Total
Students	61	45	106
Teachers	6	10	16
Non-Teaching Staff	1	0	1
TOTAL	68	55	123

4(b)

How many visitors visit your school

30

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.	Mr. sonam lendup bhutia	Mr. sonam lendup bhutia

Administrative staff

Sno.	Name	Email
1.	Mrs. k l bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	tshering palzor bhutia		8
2.	suman upreti		8
3.	mohan siwakoti		8
4.	tashi chewang		6

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)
lkg/ukg	30.16	10.40	34.48
1	16.75	2.16	12.90
2	16.75	2.16	12.90
3	16.75	2.16	12.90
4	16.75	5.16	30.81
5	30.90	6.02	19.48

6	23.13	4.70	20.32
7	23.13	4.70	20.32
8	23.13	4.70	20.32
learning corner	30.16	10.40	34.48
TOTAL	227.61	52.56	

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	0	0	0
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	106	16	1	123
Others (non-motorised)	0	0	0	0
SUB-TOTAL	106	16	1	123

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Mr karma thupden bhutia	ongmubhutiatashi@ymail.com

Administrative staff

Sno.	Name	Email
1.	Mrs ongmu bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	dawa tshering bhutia		8
2.	binu rai		8
3.	Bindu chettri		6
4.	Gyan tshering bhutia		7

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)	4	14.40	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)	15	774.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	19.00	788.40	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	00	00	0
Refrigerator	00	00	0
Microwave	00	00	0
Tube Lights	00	00	0
CFL Bulbs	17	20	0
LED Lights	17	20	0
Fans	00	00	0

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?

126

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.	Ms. reema neopaney	bhutiakarma9@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. K. N. Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	smriti rai		8
2.	dhan bdr. chettri		7
3.	barsa subba		6
4.	laxuman upreti		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

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	0	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.

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	0

Others

0

4(b)

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

sail roti, thuoka

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?

Yes

6(a)

Please provide details

sweets, juice

7

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a)

Please provide the names?

dairymilk

8

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

No

Supporting Documents

1. waste collect.jpg
2. collecting waste.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	MS. P D BHUTIA	bhutiakarma9@gmail.com

Administrative staff

Sno.	Name	Email
1.	MRS. T Y BHUTIA	

Students

Sno.	Name	Email	Grade/Class
1.	ARJUN TAMANG		8
2.	KALPANA KARKI		8
3.	PUNNY MATA SHARMA		7
4.	BHIM KUMAR CHETTRI		7

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)	3,406
Ground coverage area	925
Green landscaped area on-ground	1,206
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	773
Service Area on ground	0
Roof and terrace area	502
Green cover on exposed roof & terrace	0

Total built up/constructed area	502
Total no. of floors	5
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	136	5	141
Animals	97	3	100

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. gree n.jpg
2. GREEN1.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	MR D K RAI	bhutiakarma9@gmail.com

Administrative staff

Sno.	Name	Email
1.	MS. URMILA PRADHAN	

Students

Sno.	Name	Email	Grade/Class
1.	NIMA LHAMU BHUTIA		8
2.	BIDHAN RAI		8
3.	MANITA RAI		7
4.	YAM KUMARI CHETTRI		6

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	60
Toilet flushing	230
Personal cleaning	53
Washing clothes	0
Cooking	25
Cleaning Utensils	70
Washing Vegetables	5
Mopping floors	19
Gardening	10

Total	472
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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, Rain water

3 Who supplies the water in your school?

Public Health Engineering Department (PHED), School's own supply (bore well, rainwater harvesting facility, etc)

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?	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?	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)	Yes

Supporting Documents

1. HARVEST.jpg
2. HARVESTR4444.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?.

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.

Drinking, Gardening, Mopping, Toilets, 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)

28500.00

6(b)(2)(b)

Total number of storage tanks

4.00

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?

31 to 40 per cent

6(d)

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

Storage tank

6(e) Rate your catchment on cleanliness:

Good

Supporting Documents

1. HARVEST.jpg
2. HARVESTR4444.jpg
3. DEEE DRAW.jpg

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?

Do not follow any such pattern

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?

Do not follow any such pattern

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?	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?

5

9 How many hand pumps do you have?

0

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	7	7	0	14

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

15

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

Wastewater flows directly to the drains

Supporting Documents

1. tag 1351.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	MR D B CINTURY	bhutiakarma9@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. GYATSO BHUTIA	

Students

Sno.	Name	Email	Grade/Class
1.	ANU PRIYA SHARMA		6
2.	SONAM WANGCHUK BHUTIA		7
3.	SUDERSHAN PRADHAN		7
4.	DHAN MAYA LOHAR		7

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	11	0	11	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	1	0	0	1	0

Staffroom	1	0	0	1	0
Laboratory	1	0	00	1	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	0	1	0
Toilets	1	0	0	1	0
Others	0	0	0	0	0
Total	18	0	11	7	0

Supporting Documents

1. tag 1322.jpg
2. tag 1330.jpg
3. tag 1360.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	20
Kitchen waste	15
Paper	2
Plastic	0.5
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)

37.5

Supporting Documents

1. tag 1360.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?

Yes

Supporting Documents

1. tag 1362.JPG

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)?

6.00

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
dealerDumped at a
designated
community siteInternal
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)	✓	✗	✗	✗

Supporting Documents

1. tag 1360.jpg

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. 99999.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	1	1	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)	5	3	2
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	9	9	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	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. tag 1329.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

99999.jpg

13

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

Yes

Supporting Documents

1. DEEE DRAW.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. DEEE DRAW.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?

Financial problem

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?

Never

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?

4.00

Checklist of uploaded documents

1. Picture of Renewable sources of Energy
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 Electronic items used by school and storage of non-working electronic items
11. Waste Policy
12. Pictures of respective audit teams doing survey