



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kewzing senior secondary school,kewzing
Address: Zero point kewzing , South Sikkim ,
Ravangla , South District, Sikkim, India
Coordinator Name: Karma Eden 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

Kewzing senior secondary school,kewzing

2

Address

Zero point kewzing , South Sikkim , Ravangla , South District, Sikkim, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) (NUMBER) 0000

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9609878230

5

Principal Name

Motilal koirala

6

GSP Coordinator Name

Karma Eden Bhutia

7

GSP Coordinator Email

karmaedenbhutia@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9647881486

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: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	220	267	487
Teachers	20	17	37
Non-Teaching Staff	05	02	7
TOTAL	245	286	531

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?

Sep, Oct, Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Karma Eden Bhutia	Karma Eden Bhutia

Administrative staff

Sno.	Name	Email
1.	Narapati sharma	Snarapati @gmail. Com

Students

Sno.	Name	Email	Grade/Class
1.	Mingma Sherpa		3
2.	Chewang tashi Sherpa		4
3.	Passang Bhutia		5
4.	Pema yangchen Sherpa		6
5.	Priskila Bhutia		7
6.	Needup Tshering Bhutia		8
7.	Kichhen doma Bhutia		9
8.	Sunil chettri		10
9.	Rapden sherpa		11
10.	Daw chikki Sherpa		12

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

1 How many classrooms does your school have?

12

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)
1	41.29	30.00	72.66
2	41.31	30.00	72.62

3	41.52	30.00	72.25
6	46.88	30.00	63.99
7	47.59	30.00	63.04
8	48.73	30.00	61.56
9	73.77	60.00	81.33
10	41.00	30.00	73.17
11	38.78	30.00	77.36
12	32.14	30.00	93.34
TOTAL	453.01	330.00	

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?

Operator-owned 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)	60	0	0	60
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	06	01	7
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	427	31	6	464

Others (non-motorised)	0	0	0	0
SUB-TOTAL	487	37	7	531

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

5

How many students suffer from respiratory ailments ?

8

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.	Karma Eden Bhutia	karmaedenbhutia@gmail.com
2.	Sonam norbu Bhutia	Norbu2009@gmail.com
3.	Lachung Bhutia	Lachung 5777@gmail.com

Administrative staff

Sno.	Name	Email
1.	M. L. Koirala	motilalkoirala325@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Binod kami		3
2.	Sonam Palden Bhutia		4
3.	Raj Kumar		5
4.	Navin sharma		6
5.	Preti Tamang		7
6.	Gagan Darjee		8
7.	Krishna Chettri		9
8.	Rinzing Bhutia		10
9.	Tenzing Ongmoo Bhutia		11
10.	Mangal Man Limboo		12

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG-20161104-WA0004.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)	82	295.20	00
Electricity from generator (diesel) (litres)	00	0.00	0
Petrol (litres)	00	0.00	0
Diesel (litres)	00	0.00	0
CNG (kilogrammes)	00	0.00	0
Kerosene (litres)	00	0.00	0
Coal (kilogrammes)	00	0.00	0
Wood (kilogrammes)	00	0.00	0
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	82.00	295.20	

Supporting Documents

1. IMG-20161104-WA0004.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	00	00	00

Refrigerator	00	00	00
Microwave	00	00	00
Tube Lights	00	00	00
CFL Bulbs	4	18	Light
LED Lights	4	7	Light
Fans	00	00	00

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?

200

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.	Depen Gurung	gurungdepen16@gmail.com
2.	Pem doma Bhutia	Pemdoma 1974@gmail.com

Administrative staff

Sno.	Name	Email
1.	Karma Eden Bhutia	Karmaedenbhutia@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Tsheten dorji sherpa		10
2.	Praman rai		10
3.	Cheten Bhutia		10

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	00	00	00
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	00
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	00	00	00
Ice-cream	00	00	00
Carbonated beverages	00	00	00
Sugar sweetened noncarbonated beverages	00	00	00
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	00	00	00
Packaged/Bottled Energy Drinks	00	00	00

Supporting Documents

1. IMG_20161109_123337.jpg
2. IMG_20161110_162502.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	0
Idli/vada and sambhar	0
Pav bhaji	0

Momos	12
Others	12

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

Tea, Momos and Noodles called thukpa and is a traditional food..

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?

Teachers farewell,

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

No

Supporting Documents

1. IMG_20161110_162408.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Narapati sharma	snarapati@gmail.com

Administrative staff

Sno.	Name	Email
1.	Jigme dorji Bhutia	
2.	Dawa thinlay Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Soniya chettri		10
2.	Bhawana		10
3.	Manisha		10

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)	18,200
Ground coverage area	1,000
Green landscaped area on-ground	93
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	266
Service Area on ground	0
Roof and terrace area	187
Green cover on exposed roof & terrace	0

Total built up/constructed area	1,149
Total no. of floors	1
Others	159

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	4	0	4
Animals	5	0	5

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_20161111_193427.jpg
2. IMG_20161111_193738.jpg
3. IMG_20161111_193501.jpg
4. IMG_20161111_193230.jpg
5. IMG_20161111_193520.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Karma Eden Bhutia	karmaedenbhutia@gmail.com

Administrative staff

Sno.	Name	Email
1.	Motilal koirala	
2.	Karma Eden Bhutia	karmaedenbhutia@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Krishna chettri		9
2.	Anup chettri		9
3.	Gagan		8
4.	Yangchen		8
5.	Gandhen		7

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	35
Toilet flushing	100
Personal cleaning	05
Washing clothes	00
Cooking	30
Cleaning Utensils	100
Washing Vegetables	10

Mopping floors	00
Gardening	05
Total	285

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?

Municipality, 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

19-24 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?	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?	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?	No
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_20161117_173358.jpg
2. IMG_20161117_173609.jpg
3. IMG_20161117_173719.jpg
4. IMG_20161117_173754.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).

15

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?

0

9 How many hand pumps do you have?

0

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

5

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

	Girls	Boys	Common	Total
Number of toilets	4	4	2	10

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Karma Eden Bhutia	karmaedenbhutia@gmail.com

Administrative staff

Sno.	Name	Email
1.	Lachung Bhutia	lachung5777@gmail.com
2.	Narapati sharma	Snarapati@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Bhawana gautam		10
2.	Daw chikki sherpa		12
3.	Mangal man limboo		12
4.	Soniya chettri		10
5.	Gagan darjee		8
6.	Chetan lohar		9
7.	Anup chettri		9
8.	Agni rai		9
9.	Krishna chettri		9
10.	Ugen sherpa		9

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

1 Does your school segregate solid waste?

No

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	12	00	00	00	12

Playgrounds	1	00	00	00	1
Common area (e.g. reception, corridors)	1	00	00	00	1
Staffroom	2	00	00	00	2
Laboratory	1	00	00	00	1
Canteen	1	00	1	00	00
Clinic/ Sick room	0	00	00	00	00
Library	1	00	00	00	1
Toilets	2	00	00	2	00
Others	0	00	00	00	0
Total	21	0	1	2	18

Supporting Documents

1. IMG_20161118_124252.jpg
2. IMG_20161118_110337.jpg
3. IMG_20161118_124504.jpg
4. IMG_20161118_124431.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	01
Kitchen waste	60
Paper	2
Plastic	1
Wood, glass, metal, classroom furniture	0.5
E-waste	00
Biomedical waste	00

Sanitary waste	2
Construction and Demolition (C & D) waste	3
Hazardous waste	00
Total Generated Solid Waste (in kilogram)	69.5

Supporting Documents

1. IMG_20161118_144014.jpg
2. IMG_20161118_143713.jpg
3. IMG_20161118_143557.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)				

Supporting Documents

1. IMG_20161118_143557.jpg
2. IMG_20161118_144014.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. IMG_20161118_124108.jpg
2. IMG_20161118_124252.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	00	00
VCR or DVD players	0	00	00
Refrigerators and freezers	0	00	00
Washing machines	0	00	00
Air conditioners	0	00	00

Heaters	0	00	00
Microwaves	0	00	00
Ovens	0	00	00
Toasters	0	00	00
Electric Kettles	1	01	00
Personal computers (CPU, mouse, screen and keyboard included)	0	00	00
Laptop computer (CPU, mouse, screen and keyboard included)	13	03	10
Notebook computers	0	00	00
Notepad computers	0	00	00
Printers	2	01	01
Copying equipment (Photocopiers)	0	00	00
Projectors	0	00	00
Whiteboards	12	12	00
Electrical & electronic typewriters	0	00	00
Pocket & desk calculators	0	00	00
Fax machines	0	00	00
Telex	0	00	00
Telephones	0	00	00
Pay telephones	0	00	00
Mobiles	0	00	00
Answering systems	0	00	00

Supporting Documents

1. IMG_20161118_105327.jpg
2. IMG_20161118_105452.jpg
3. IMG_20161118_105406.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. IMG_20161118_110204.jpg
2. IMG_20161118_150101.jpg
3. IMG_20161118_150117.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_20161118_150414.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?

Rain water harvesting and proper waste management policy will definitely lead my school towards winning the green school award. Looking forward for a enthusiastic years ahead..

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	Average
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?

5.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Picture of types of solid waste generated
12. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
13. Pictures of housekeeping staff disposing different types of solid waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
16. Pictures of respective audit teams doing survey