



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: LUMSEY JHS
Address: 5TH MILE TADONG, GANGTOK EAST
SIKKIM, GANGTOK, East District, Sikkim,
India
Coordinator Name: PEMA YANGZUM 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

LUMSEY JHS

2 Address

5TH MILE TADONG, GANGTOK EAST SIKKIM, GANGTOK, East District, Sikkim, India

3 Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3592 (NUMBER)

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9832033184

5 Principal Name

TSHERING NAMGYAL BHUTIA

6 GSP Coordinator Name

PEMA YANGZUM BHUTIA

7 GSP Coordinator Email

yangzum84@gmail.com

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 8371885809

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: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	114	156	270
Teachers	07	19	26
Non-Teaching Staff	00	02	2
TOTAL	121	177	298

4(b)

How many visitors visit your school

50

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?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ranu Rai	Ranu Rai

Administrative staff

Sno.	Name	Email
1.	Phul Maya Subba	

Students

Sno.	Name	Email	Grade/Class
1.	Monika Chettri		8
2.	Binay Rasaily		7
3.	Megh Bahadur Chettri		
4.	Rohit Gurung		
5.	Merry Urao		

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)
Pre-Primary	26.50	4.66	17.58
Class I	29.25	6.20	21.20
Class II	10.27	2.76	26.87
Class III	29.34	10.31	35.14
Class IV	29.50	10.22	34.64

Class V	30.17	4.66	15.45
Class VI	29.42	4.64	15.77
Class VII	29.86	4.71	15.77
Class VIII	29.37	4.70	16.00
Bhutia Room	10.76	2.78	25.84
TOTAL	254.44	55.64	

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	5	0	0	5
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	8	18	1	27
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	5	0	5
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	257	3	1	261
Others (non-motorised)	0	0	0	0
SUB-TOTAL	270	26	2	298

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.	Rupmani Basnett	rupmanibasnett@gmail.com

Administrative staff

Sno.	Name	Email
1.	Inchung Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Aitaman Tamang,		
2.	Bishnu Bhakta Sharma,		
3.	Namita Pradhan,		
4.	Sonu Rai		
5.	Sharmila Urao,		
6.	Nandani Chettri,		

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
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Electricity from the board (kwh)	15	54.00	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)	3	154.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	18.00	208.80	

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	0	0	0
CFL Bulbs	10	18	0
LED Lights	0	0	0
Fans	1	55	4

Supporting Documents

1. 20161118_124422 - Copy.jpg
2. 20161118_123751 - Copy.jpg
3. 20161118_124903.jpg
4. 20161118_144911.jpg

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

5

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

250

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.	Sujana Tamang	prisa11pradhan@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sonam Palzor Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Pinky Munda,		
2.	Tika Ram Rai		
3.	Biswas Chettri		
4.	Arati Sunar		
5.	Passang Diki,		
6.	Kishor Chettri		
7.	Nidhi Chettri		

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

Yes

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	8	1000	9
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)	5	200	9
Ice-cream	2	200	10
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	100
Idli/vada and sambhar	0
Pav bhaji	0
Momos	200

Others

0

4(b)

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

sale roti, khabjee, zeroo etc.

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?

Eclairs, munch, milky bar, jelly, coffee bite etc.

8

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

No

Supporting Documents

1. 20161118_144911.jpg
2. IMG-20160622-WA0016.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Ranjeeta Chettri	ranjeetabhutia00@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sangay Chopel Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Solomi Giri		
2.	Yojna Gurung		
3.	Anjana Rai		
4.	Ugen Lepcha		
5.	Lak Tshering Tamang		
6.	Golu Shah		

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)	483
Ground coverage area	3,118
Green landscaped area on-ground	0
Surface parking area	0
Play area that is paved/ concrete on ground	43
Play area that has grass on ground	910
Service Area on ground	4

Roof and terrace area	1,103
Green cover on exposed roof & terrace	0
Total built up/constructed area	572
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	600	2	602
Animals	100	0	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. 20161118_124830.jpg
2. 20161118_144455.jpg
3. 20161118_144526.jpg
4. IMG-20160604-WA0009.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Balaram Pradhan	ranurai140@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rupa Devi Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Namgyal Lepcha		
2.	Karma Tseten Bhutia		
3.	Nikhil Rai		
4.	Mamta Chettri		
5.	Sheetal Bhujel		
6.	Nim Lhamu Lepcha		
7.	Soni Rai		
8.	Devi Chettri		
9.	Aashis karki		
10.	Damber Tamang		

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	200
Toilet flushing	500
Personal cleaning	50
Washing clothes	0

Cooking	10
Cleaning Utensils	50
Washing Vegetables	05
Mopping floors	50
Gardening	50
Total	915

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?

Public Health Engineering Department (PHED)

4 Does your school get daily water supply?

Yes

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

=1 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?	Yes
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)	No

Supporting Documents

1. Intex_Aqua_Power_20161118_144216.jpg
2. Intex_Aqua_Power_20161118_142500.jpg
3. 20161118_145009.jpg
4. IMG-20160604-WA0032.jpg
5. IMG-20160604-WA0023.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).

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?

2

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	2	2	0	4

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

8

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?

No

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 gardening and horticulture

Supporting Documents

1. Intex_Aqua_Power_20161118_143904.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Navin Shilal	navinshilal@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sonam Palzor Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Sonit subba		
2.	Suresh Manger		
3.	Saran Manger		
4.	Aditya Gupta		
5.	Abhijeet Mandal		
6.	Rajib Jaiswal		

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)
3. Gardener

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	0	10	0
Playgrounds	3	0	2	1	0
Common area (e.g. reception, corridors)	2	1	0	1	0
Staffroom	1	0	0	1	0
Laboratory	0	0	0	0	0
Canteen	1	0	0	1	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	1	0	1	0	0
Others	1	0	0	1	0
Total	19	1	3	15	0

Supporting Documents

1. 20161118_124214.jpg
2. 20161118_124006.jpg
3. 20161118_130450.jpg
4. IMG-20160622-WA0017.jpg
5. IMG-20160604-WA0027.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	10
Kitchen waste	30
Paper	5
Plastic	5

Wood, glass, metal, classroom furniture	10
E-waste	0
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	62

Supporting Documents

1. lumse.jpg

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

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	10
Kitchen waste	30
Paper	05
Plastic	05
Wood, glass, metal, classroom furniture	05
E-waste	00
Biomedical waste	00
Sanitary waste	00
Construction and Demolition (C & D) waste	00
Hazardous waste	00

Total (in kilogram)

55

5

Does your school have a composting facility?

Yes

No documents uploaded by the school.

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)?

35.00

5c

What is the purpose of the compost that is generated per month?

For horticultural purposesFor 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 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)				
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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?

Landfill Site

No documents uploaded by the school.

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	0	
VCR or DVD players	0	0	
Refrigerators and freezers	0	0	
Washing machines	0	0	
Air conditioners	0	0	
Heaters	0	0	
Microwaves	0	0	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	3	3	

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

Yes

Policy document

20161118_124312.jpg

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 extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. IMG-20160622-WA0017.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?

2

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?

Ours is government school where fund constraint is the major problem in keeping up the green school concepts like this year was focus on water but we could not incorporate rain water harvesting in our school as it involved purchasing materials for its making

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?

Once

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?

10.00

Checklist of uploaded documents

1. Picture of Air Quality Monitoring equipment of school
2. Picture of Renewable sources of Energy
3. Picture of Mid-day meal being served
4. Photographs of lunch boxes
5. Picture of Canteen selling UPPF
6. Traditional food items sold in canteen
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Building construction plan
10. Pictures of dustbins in classroom showing segregation at source
11. Pictures of playground with more than two dustbins
12. Waste Policy
13. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
14. Pictures of respective audit teams doing survey