

Responses for Green Schools Programme Audit 2016

School Name: Lingtam SS

Address: Lingtam, Via Rongli, Rongli, East District,

Sikkim, India

Coordinator Name: Mr I B 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

Lingtam SS

2 Address

Lingtam, Via Rongli, Rongli, East District, Sikkim, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03592 (NUMBER) 55836

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9832359708

5 Principal Name

Shabnum Golay

6 GSP Coordinator Name

Mr I B Pradhan

GSP Coordinator Email

lingtamsecondaryschool@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9832359708

9 Category Of The School

Day Scholar

School Shifts

Both

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:10

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	124	158	282
Teachers	06	13	19
Non-Teaching Staff	01	07	8
TOTAL	131	178	309

4(b) How many visitors visit your school

2

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

222

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.	RL Pradhan	RL Pradhan
2.	Sonam Doma Bhutia	lingtamsecondaryschool@yahoo.com
3.	Pemala Bhutia	lingtamsecondaryschool@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Karan Manger	karan76@hotmail.com
2.	Tsheten Bhutia	btsheten@gmail.com
3.	Manita Pradhan	
4.	Susma Pradhan	sus.pradhan@yahoo.com
5.	Hema Rai	

Students

Sno.	Name	Email	Grade/Class
1.	Sova Pradhan		8
2.	Sumiran Rai		8
3.	Sarita Pradhan		8
4.	Suk Maya Tamang		8
5.	Tashi Sherpa		8
6.	Abita Tamang		9
7.	Alina Gurung		9
8.	Amisha Manger		9
9.	Anil Pradhan		9
10.	Anjali Chettri		9

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	32.16	3.16	9.84
2	32.16	3.16	9.84
3	21.60	3.35	15.51
4	32.16	3.16	9.84
5	32.16	3.16	9.84
6	71.28	3.35	4.70
7	32.16	3.16	9.84
8	32.16	3.16	9.84
9	71.28	2.98	4.18
10	71.28	3.35	4.70
TOTAL	428.40	32.01	

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	0	0	0

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	0	2	2
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	282	25	0	307
Others (non-motorised)	0	0	0	0
SUB-TOTAL	282	25	2	309

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



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?



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Pemala Bhutia	Bhutiapemala@gmail.com
3.	Bimla Rai	bimlarai11@yahoo.in

Administrative staff

Sno.	Name	Email
1.	Sonam Wongmu Sherpa	sonam2015.ss@gmail.com
2.	K P Sharma	kamalvardwaj@gmai. com
3.	RL Pradhan	
4.	Chunu Tamang	chunutamang14@gmail. com
5.	Sonam Doma Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Prashan Rai		9
2.	Nim Lhamu tamang		9
3.	Meena Manger		9
4.	Abinash Manger		10
5.	Aita aya Tamang		10
6.	Amber Rai		10
7.	Asunya Gurung		10
8.	Bebeek Rai		10
9.	Bijoy Gurung		10
10.	Bijay Rai		10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

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)	70	252.00	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)	28.4	1465.44	4
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	98.40	1717.44	

No documents uploaded by the school.

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	6	28	3
CFL Bulbs	5	8	4
LED Lights	0	0	0
Fans	0	0	0

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

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

150

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.	Anuka Manger	anukamanger@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Chunu Tamang	chunutamang14@gmail.com
2.	Sonam Wongmu Sherpa	sonam2015.ss@gmail.com
3.	Karan Manger	karan76@hotmail.com
4.	Bimla Rai	bimlarai11@yahoo.in
5.	Chamu Bhutia	

Students

Sno.	Name	Email	Grade/Class
1.	Kamala Gurung		10
2.	Kabita Gurung		10
3.	Karma Cheden Sherpa		10
4.	Laxuman Tamang		10
5.	Loden Tshering Sherpa		10
6.	Roshni Chettri		9
7.	Sushila Gurung		9
8.	Suren Rai		9
9.	Mahesh Gurung		9
10.	Jeena Gurung		9

Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

Does your school serve midday meals?

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	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.

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	600
Others	0

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

Potato and beaten rice

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?

No

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.	Sonam Wongmu Sherpa	sonam2015.ss@gmail.com

Administrative staff

Sno.	Name	Email
1.	K B Manger	karan76@hotmail.com
2.	S K Shah	
3.	Manita Pradhan	

Students

Sno.	Name	Email	Grade/Class
1.	Santaman Manger		9
2.	Chemical Lama		9
3.	Dawa Tshering Sherpa		9
4.	Amrita Pradhan		9
5.	Sandeep Thapa		9
6.	Many Manger		10
7.	Malati Gurung		10
8.	Mingma Dorjee Tamang		10
9.	Mani raj Manger		10
10.	Mon Bdr Bhujel		10

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

Complete the table:

	Your school's area
Site area in square meter (m2)	3
Ground coverage area	369
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	407
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,177
Total no. of floors	10
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	50	0	50
Animals	20	0	20

Task 4: Find out if your school uses pesticides

4

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Susma Pradhan	sus.pradhan@hahoo.con

Administrative staff

Sno.	Name	Email
1.	Karan Manger	karan76@hotmail
2.	Dongmit Lepcha	
3.	KP Sharma	kamalvardwarj@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sandeep Thapa		9
2.	Anita Tamang		9
3.	A run Rai		9
4.	Rebika		9
5.	Sachin Tamang		9
6.	Biran Rai		10
7.	Daden Bhutia		10
8.	Dawa Lhamu Sherpa		10
9.	Dheraj Manger		10
10.	Jeena Manger		10

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	300
Toilet flushing	0
Personal cleaning	250

Washing clothes	0
Cooking	100
Cleaning Utensils	150
Washing Vegetables	100
Mopping floors	10
Gardening	10
Total	920

Task 3: What are the sources, supply and storage of water in your school

Where does the water your school uses, come from?

Ground water

Who supplies the water in your school?

Private supplier

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?

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?	No
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?	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

Task 5: Does your school harvest rainwater?

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.

Toilets

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

Yes

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

1500.00

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

3.00

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

Over ground

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

PVC

6(c)	How much area in your school is harvested?
	10 to 20 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

No

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? Pre-monsoon
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? Pre-monsoon
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?

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

How many hand pumps do you have?

0

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

3

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

	Girls	Boys	Common	Total
Number of toilets	3	3	1	7

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

2

How many other water outlets (example: taps in play fields, sprinklers, swimming pool) do you have?

0

ls there a water storage system in place to supply water in the toilets?

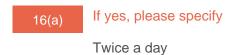
Yes

Is the water supply sufficient?

Yes

Are the toilets cleaned?

Yes



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

Does your school treat wastewater?

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.	IB Pradhan	ipradhan774@gmail.com

Administrative staff

Sno.	Name	Email
1.	Krishna Maya	
2.	R L Pradhan	rudrapradhan1968@gmail.com
3.	Tsheten Bhutia	btsheten@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Phur Lhamu Sherpa		10
2.	Pramila Tanang		10
3.	Ramu Tamang		10
4.	Nar Maya Rai		10
5.	Nim Lhamu Sherpa		10
6.	Nitu Kri Shah		10
7.	Pem Dorjee Sherpa		10
8.	Pempa Lhamu Tamang		10
9.	Phu Doma Sherpa		10
10.	Phu Dorjee Tamang		10

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

Does your school segregate solid waste?

Yes

Who segregates the waste at source?

1. Students and teachers

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)	2	0	0	2	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	3	0	3	0	0
Others	1	0	1	0	0
Total	23	0	19	4	0

No documents uploaded by the school.

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	3
Kitchen waste	15
Paper	2

Plastic	2
Wood, glass, metal, classroom furniture	1
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)	23

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



No

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

What is the quantity of compost that is generated per month(in kilogram)?

5.00

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

For school garden

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)	✓	×	×	×

Task 5: How does your school dispose waste?

What is the final destination for waste that is disposed of externally?

Designated dumping site (Dhalao)

No documents uploaded by the school.

Does your school burn waste?

No

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	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	8	8	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	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	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	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

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

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?

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

Has your school participated in the Green Schools Programme (GSP) Audit before?

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?

Awareness programs

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

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

No

Could you finish all the tasks in given period of time online?

No

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

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?

Checklist of uploaded documents

50.00

- 1. Electricity Bill
- 2. Picture of Mid-day meal being served
- 3. Traditional food items sold in canteen
- 4. Picture of types of solid waste generated
- 5. Pictures of housekeeping staff disposing different types of solid waste
- 6. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc