



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA LUMDING  
**Address:** OFFICERS COLONY LUMDING,  
NAGAON, LUMDING, Nagaon, Assam,  
India  
**Coordinator Name:** SUBIN THOMAS



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

KENDRIYA VIDYALAYA LUMDING

2

Address

OFFICERS COLONY LUMDING, NAGAON, LUMDING, Nagaon, Assam, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3674 (NUMBER) 265509

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9435523638

5

Principal Name

SATISH KUMAR SHARMA

6

GSP Coordinator Name

SUBIN THOMAS

7

GSP Coordinator Email

vishu\_engg2006@yahoo.co.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9847907854

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	463	439	902
Teachers	32	9	41
Non-Teaching Staff	6	1	7
TOTAL	501	449	950

4(b) How many visitors visit your school

235

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

194

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

Nov

7 Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	SULABH DEEP	SULABH DEEP
2.	ALOK KUMAR	alokalok8888@gmail.com
3.	RASHID HUSSAIN	rashidjmi86@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	SATISH KUMAR SHARMA	satishdhikauli@gmail.com
2.	SUBIN THOMAS	thomaskottakkakam@gmail.com
3.	R L RAJAK	rajendralallrajak@gmail.com
4.	PRABIR NANDI	pnandi.1010@gmail.com
5.	R K SAHU	rajeshksahulanka@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	DONA MAJUMDER	kvlumding@gmail.com	11
2.	SAIKAT BANARJEE	kvlumding@gmail.com	11
3.	PROSATTAM KUMAR	kvlumding@gmail.com	10
4.	ROHAN BARUA	kvlumding@gmail.com	10
5.	DIYA ZEHERA	kvlumding@gmail.com	10
6.	SAURAV DAS	kvlumding@gmail.com	8
7.	ADITI BARDHAN	kvlumding@gmail.com	8
8.	DIPAYAN DAS	kvlumding@gmail.com	8
9.	SAYANTAN BISWAS	kvlumding@gmail.com	11
10.	LAL RAMAWII	kvlumding@gmail.com	11

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

1

How many classrooms does your school have?

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)
I	225.00	180.00	80.00
II	225.00	180.00	80.00
III	225.00	180.00	80.00
IV	225.00	180.00	80.00
V	225.00	180.00	80.00
VI	225.00	180.00	80.00
VII	225.00	180.00	80.00
VIII	225.00	180.00	80.00
IX	225.00	180.00	80.00
X	225.00	180.00	80.00
TOTAL	2,250.00	1,800.00	

### 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?

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)	127	12	1	140
Taxi four-wheeler	569	2	0	571

Taxi three-wheeler	124	10	0	134
Personal four-wheeler	0	0	0	0
Personal two-wheeler	4	6	2	12
Bicycle	48	2	2	52
On foot	30	9	2	41
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>902</b>	<b>41</b>	<b>7</b>	<b>950</b>

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

5

How many students suffer from respiratory ailments ?

4

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. ARUP DUTTA	arupdutta321@gmail.com
2.	Ms. JUNE CHANDA	june1503@gmail.com
3.	Mr. ALOK KUMAR	alokalok8888@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. SULABH DEEP	sulabh777.du@gmail.com
2.	Mr. RASHID HUSSAIN	rashidjmi86@gmail.com
3.	Mr. BHASKAR UPADHYAY	bupadhyaybhu@gmail.com
4.	Mr. BRAHMA NAND KOLI	bnkoli17@gmail.com
5.	Ms. M. GHOSH	mghosh.2810@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ANKITA PAUL	kvlumding@gmail.com	11
2.	PRANAY CH DEY	kvlumding@gmail.com	12
3.	RITUPARNA BHOWMICK	kvlumding@gmail.com	12
4.	SAGAR CHETRY	kvlumding@gmail.com	11

### 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)	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	15.00	54.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	7	7	4
Refrigerator	1	165	4
Microwave	1	5	3
Tube Lights	210	40	4



CFL Bulbs	1	20	3
LED Lights	0	0	0
Fans	175	75	3

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?

300

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. PARAMITA NAG	pnag480@gmail.com
2.	Mr G.B. SONAR	gyansonar@gmail.com
3.	Mr. JULKARNAIN AHMED	julkarnainahmed@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. SAGAR BEHERA	sagarbehera584@gmail.com
2.	Mr. HAMID ALI	hamidali169@gmail.com
3.	Mr. D.K. Jha	deepaksnd@gmail.com
4.	Mr T SEN	tapashimg007@gmail.com
5.	Ms. R. DAS	rima.ngn@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	SIVA DAS	kvlumding@gmail.com	11
2.	SUDIPTA DAS GUPTA	kvlumding@gmail.com	11
3.	DEBLEKHA DEY	kvlumding@gmail.com	10
4.	UJBAL PRASAD	kvlumding@gmail.com	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

Yes

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

No documents uploaded by the school.

2(a)(1) How many students out of total student population bring home-made lunch?

685.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

35.00

2(a)(3) Do teachers have the responsibility to ensure that students are carrying lunch from home?

Yes

### 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	13	450	10
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)	27	940	10
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	7	1340	10
Packaged/Bottled Energy Drinks	3	173	10

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	2,500
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	1,350

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

Paratha Samosa are served during lunch break

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	1,340
Sweet lassi	0
Salted butter milk	0
Aam Panna	0
Others	0

## 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

Distribution of sweet and health drink are distributed

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

Yes

7(a) Please provide the names?

On Sports day, children day quality chocolates are distributed.

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

Yes

8(a) Does the school distribute packaged food items as rewards during schools events?

Social Science exhibition and other type of competitions are conducted national, regional and school level

8(b) Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr D CHANDA	dipjaychanda@gmail.com
2.	Mr. MANISH SHARMA	sharma.manish961@gmail.com
3.	Mr. R.B. SAAH	rambinay80@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. MANOJ NEGI	manoj1984.negi@gmail.com
2.	Mr. R.L. RAJAK	rajendralallrajak@gmail.com
3.	Mr. SANDEEP KUMAR	sandeeplohan001@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ARISIA SAHA	kvlumding@gmail.com	10
2.	AMARDEEP NAHA	kvlumding@gmail.com	10
3.	VISHAL KUMAR SINGH	kvlumding@gmail.com	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 (m <sup>2</sup> )	15,000
Ground coverage area	5,876
Green landscaped area on-ground	2,699
Surface parking area	76
Play area that is paved/ concrete on ground	770
Play area that has grass on ground	5,106
Service Area on ground	3,749

Roof and terrace area	1,819
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,410
Total no. of floors	3
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	30	0	30
Animals	3	0	3

### 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.	Mr. R.L. RAJAK	rajendralallrajak@gmail.com
2.	Mr. SANDEEP KUMAR	sandeeplohan001@gmail.com
3.	Mr. RAKESH KUMAR THAKUR	thakurrakesh902@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. SAJJAN SINGH	sajjansingh260181@gmail.com
2.	Mrs. TULIKA SHARMA	tulikasharma088@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	PANCHAMI DEB	kvlumding@gmail.com	10
2.	RAHUL BISWAS	kvlumding@gmail.com	10
3.	ROHAN LIMBU	kvlumding@gmail.com	10

### 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	1975
Toilet flushing	500
Personal cleaning	55
Washing clothes	10
Cooking	15
Cleaning Utensils	29
Washing Vegetables	3



Mopping floors	15
Gardening	7
Total	2609

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

2 Where does the water your school uses, come from?

Ground water, Rain water

3 Who supplies the water in your school?

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

=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?	Yes
Are dual flush systems installed in the toilets?	Yes
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?	No
Does your school use a drip or irrigation system?	No

Any other step taken for water conservation? (if Yes, please specify)

Yes

No documents uploaded by the school.

## 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?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop

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, Mopping, Toilets

6(b)(2)

Does your school have rainwater storage tank?

No

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:

Average

No documents uploaded by the school.

6(f)

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

No

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?

Yes

## 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?

10

9 How many hand pumps do you have?

0

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

24

11

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

	Girls	Boys	Common	Total
Number of toilets	6	6	4	16

12

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

1

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

Twice a day

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

17

Does your school treat wastewater?

Yes

18

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening, Flushing

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs J DEY	joyeeta.musu@gmail.com
2.	Mr. R JOISHI	joshirakesh999@yahoo.com
3.	Mr. ALOK KUMAR	alokalok8888@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. BRAHMA NAND KOLI	bnkoli17@gmail.com
2.	Mr. SULABH DEEP	sulabh777.du@gmail.com
3.	Mr. RASHID HUSSAIN	rashidjmi86@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	PARTHA ROY KARMAKAR	kvlumding@gmail.com	10
2.	PRIYANKA DUTTA	kvlumding@gmail.com	10
3.	TANMOY CHAKRABORTY	kvlumding@gmail.com	10
4.	SNEHA ROY	kvlumding@gmail.com	10

### 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. Housekeeping (Sweeper)
2. 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	24	0	24	0	0
Playgrounds	7	0	7	0	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	4	0	4	0	0
Laboratory	7	0	7	0	0
Canteen	5	0	5	0	0
Clinic/ Sick room	2	0	2	0	0
Library	3	0	3	0	0
Toilets	8	0	8	0	0
Others	0	0	0	0	0
Total	65	0	65	0	0

No documents uploaded by the school.

### 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	17
Kitchen waste	13
Paper	6
Plastic	7
Wood, glass, metal, classroom furniture	12
E-waste	2
Biomedical waste	2
Sanitary waste	3

Construction and Demolition (C & D) waste	3
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	65

No documents uploaded by the school.

#### 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)				
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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?

Designated dumping site (Dhalao)

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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	7	7	0
Heaters	3	3	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	73	73	0



Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	13	13	0
Copying equipment (Photocopiers)	3	3	0
Projectors	7	7	0
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	9	9	0
Fax machines	3	3	0
Telex	0	0	0
Telephones	3	3	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 dismantler

## 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?

As part of the curriculum , As part of extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



## 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?

No

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?

Need a good rain water harvesting plant. Proper waste disposal plant etc.

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?

170.00

### Checklist of uploaded documents

1. Pictures of respective audit teams doing survey