



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA, RAIGARH
Address: NEAR CIRCUIT HOUSE, CHANDMARI,
RAIGARH, RAIGARH, Chhattisgarh, India
Coordinator Name: Alice Mathew



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

KENDRIYA VIDYALAYA, RAIGARH

2

Address

NEAR CIRCUIT HOUSE, CHANDMARI, RAIGARH, RAIGARH, Chhattisgarh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 7762 (NUMBER) 223238

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9968350978

5

Principal Name

B Gayathri

6

GSP Coordinator Name

Alice Mathew

7

GSP Coordinator Email

alicemathew@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9827107931

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:12

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	564	437	1001
Teachers	19	17	36
Non-Teaching Staff	1	0	1
TOTAL	584	454	1038

4(b)

How many visitors visit your school

12

5

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

240

6

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

Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Alice Mathew	Alice Mathew
2.	Sugriti Sahu	sugriti1010@gmail.com

Administrative staff

Sno.	Name	Email
1.	B Gayathri	raigarhkv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ayush Mishra	am942550454@gmail.com	9
2.	Durgesh Patel	patelrohit123@gmail.com	9
3.	Diksha Shrivastav	diksharaigarh57@gmail.com	9
4.	Pushpendra Patel	pushpendraidpatel@gmail.com	9
5.	Sanskriti Verma	VermaSanskriti2002@gmail.com	9

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

1 How many classrooms does your school have?

25

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)
Class I A	53.42	12.54	23.47
Class II A	45.63	17.48	38.31
Class IV A	56.75	12.54	22.10
Class V A	52.73	12.54	23.78
Class VII A	51.82	12.54	24.20

Class IX B	51.12	17.48	34.19
Class X A	50.40	17.48	34.68
Class XI A	50.40	17.48	34.68
Class VI A	50.40	17.44	34.60
Class XII A	51.48	17.78	34.54
TOTAL	514.13	155.30	

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	26	0	0	26
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	37	0	0	37
Taxi four-wheeler	106	0	0	106
Taxi three-wheeler	148	3	0	151
Personal four-wheeler	49	0	0	49
Personal two-wheeler	164	10	0	174
Bicycle	308	0	0	308
On foot	163	23	1	187
Others (non-motorised)	00	0	0	0
SUB-TOTAL	1001	36	1	1038

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.	S K VERMA	skverma_1970@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	B GAYATRI	raigarhkv @gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sushant Verma	sushant_verma.2004@yahoo.com	8
2.	Parasmani Khunte	Paras2002.ck@gmail.com	8
3.	Sikta Chakrabarty	utpalchakrabarty@45gmail.com	8
4.	Shilpi Karmakar	shilpi.karmakar321@gmail.com	9
5.	Anish Agrawal	Anishagrawal808@gmail.com	8

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. EB1 001_new.jpg
2. EB2 001_new.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)	2003	7210.80	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)	14.2	732.72	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2017.20	7943.52	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	1.5	0
Refrigerator	2	165	0
Microwave	0	0	0
Tube Lights	213	40	0
CFL Bulbs	3	8	0
LED Lights	0	0	0

Fans	135	60	0
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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.	ALICE MATHEW	alicemathew@gmail.com

Administrative staff

Sno.	Name	Email
1.	B Gayathri	raigarhkv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Mahak Acharya	24acharyarajesh@gmail.com	8
2.	Isha Yadav	sarojyogaraigarh@gmail.com	8
3.	Tejram Patel	Tejrampatel10@gmail.com	8
4.	Sandhya Thakur	sandhyathakur172001@gmail.com	9
5.	Yogendra Patel	7067046463@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

No

2 Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

Supporting Documents

1. DSC04620.JPG

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

1001.00

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

10.00

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	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?

No

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?

Dairy milk chocolate & Biscuits

8

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

No

Supporting Documents

1. DSC04665.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	S K Verma	skverma_1970@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	B GAYATHRI	raigarhkv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Siddharth Kumar	siddharth909.sk@gmail.com	9
2.	Ayush Soni	ayush987soni@gmail.com	9
3.	Jyotsna Tiwari	ntnarendratiwari03@gmail.com	9
4.	Ritam	Ritamghosh123456@gmail.com	8
5.	Gourav Trivedi	sarojgirdher71@gmail.com	8

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)	76,890
Ground coverage area	2,991
Green landscaped area on-ground	49,830
Surface parking area	3,100
Play area that is paved/ concrete on ground	4,065
Play area that has grass on ground	8,100
Service Area on ground	10
Roof and terrace area	2,500

Green cover on exposed roof & terrace	0
Total built up/constructed area	5,982
Total no. of floors	2
Others	8,794

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	60	50	110
Animals	10	0	10

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. school plan1-page-001.jpg
2. school plan -2-page-001.jpg
3. school plan-3-page-001.jpg
4. DSC04645.jpg
5. DSC04646.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Sughrity Sahu	sughrity1010@gmail.com

Administrative staff

Sno.	Name	Email
1.	B GayathriG	raigarhkv@gmail.com
2.	Samay Lal	

Students

Sno.	Name	Email	Grade/Class
1.	Vaibhav Singh	thakurvaibhavsingh2001@gmail.com	10
2.	Praveen Sahu	praveensahu488@gmail.com	10
3.	Dipendu Bhattacharya	Sukhendubhattacharya3@gmail.com	10
4.	Nisha Sao	saogomati930@gmail.com	10
5.	Torsa Pradhan	savitapradhan403@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	1800
Toilet flushing	810
Personal cleaning	215
Washing clothes	30
Cooking	0
Cleaning Utensils	25

Washing Vegetables	0
Mopping floors	120
Gardening	800
Total	3800

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

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

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?	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?	No

Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. DSC04650.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).

11255200

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)?	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?

8

9 How many hand pumps do you have?

2

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

32

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

	Girls	Boys	Common	Total
Number of toilets	20	20	0	40

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

48

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

6

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

More than twice 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.	Samrat Pradhan	samrat.pradhan@gmail.com

Administrative staff

Sno.	Name	Email
1.	B Gayathri	raigarhkv@gmail.com
2.	Hasina	
3.	Sara	

Students

Sno.	Name	Email	Grade/Class
1.	Himani Chourasia	devdattchourasia@gmail.com	9
2.	Bharti Mehar	kailashmehar400@gmail.com	9
3.	Vivekanand Purseth	snpurseth@gmail.com	9
4.	Bhawna Mishra	SM924610@gmail.com	9
5.	Bhabhyadarshi	nrutyomd@gmail.com	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	25	0	25	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	6	0	6	0	0

Staffroom	1	0	1	0	0
Laboratory	7	0	7	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	7	0	7	0	0
Others	5	0	5	0	0
Total	54	0	54	0	0

Supporting Documents

1. DSC04649.JPG
2. DSC04626.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	35
Kitchen waste	0
Paper	61
Plastic	5
Wood, glass, metal, classroom furniture	215
E-waste	47
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	365

Supporting Documents

1. solid wastes.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)	✗	✗	✓	✗

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

Supporting Documents

1. DSC04634.JPG
2. DSC04639.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	2	2	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	2	2	0
Heaters	1	1	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)	50	47	3
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0

Printers	6	6	0
Copying equipment (Photocopiers)	2	2	0
Projectors	6	6	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	1	1	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. DSC04621.JPG

11

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

Supporting Documents

1. IMG_20161111_140943.jpg

11a

Who collects your e-waste, when not in working condition?

Kabadiwalla/ Scrapdealer

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. distribution of old books.jpg

13a

What form do these awareness drives take?

As part of the curriculum , 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

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?

PROVIDING THE RESOURCES AND FINANCIAL ASSISTANCE

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	Average
9	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>No</p>
10	<p>Could you finish all the tasks in given period of time online?</p> <p>Yes</p>
11	<p>How many times did you contact the Green Schools Programme Team for guidance and counseling?</p> <p>Once</p>
12	<p>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?</p> <p>Yes</p>
13	<p>Did your students enjoy doing the Water activities?</p> <p>Yes</p>
13(a)	<p>How many students were involved in the activities?</p> <p>30.00</p>

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
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 types of solid waste generated
9. Pictures of housekeeping staff disposing different types of solid waste
10. Pictures of Electronic items used by school and storage of non-working electronic items
11. Certificate of disposing e-waste from authorised dealer/dismantler
12. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
13. Pictures of respective audit teams doing survey