



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA NO- 2 RAIPUR  
**Address:** DEEN DAYAL UPADHYAY NAGAR,  
SECTOR- 4, RAIPUR, RAIPUR, RAIPUR,  
Chhattisgarh, India  
**Coordinator Name:** MRS. GEETU



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 NO- 2 RAIPUR

2

Address

DEEN DAYAL UPADHYAY NAGAR, SECTOR- 4, RAIPUR, RAIPUR, RAIPUR, Chhattisgarh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0771 (NUMBER) 2263743

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9425562939

5

Principal Name

MR. B.S. AHIRE

6

GSP Coordinator Name

MRS. GEETU

7

GSP Coordinator Email

geetu5775@yahoo.co.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9425562939

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	594	534	1128
Teachers	20	13	33
Non-Teaching Staff	10	3	13
TOTAL	624	550	1174

4(b)

How many visitors visit your school

10

5

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

210

6

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

Sep

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	MRS. NEELIMA SATHE	MRS. NEELIMA SATHE

#### Administrative staff

Sno.	Name	Email
1.	MR. PRANAV SONI	pranavnsoni@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RISHABH VERMA	nilimasathe326@gmail.com	8
2.	SATWIK PANDEY	nilimasathe326@gmail.com	8
3.	OM PRAVEER	nilimasathe326@gmail.com	8
4.	AASTHA MANSAGAR	nilimasathe326@gmail.com	8
5.	PRACHI SHARMA	nilimasathe326@gmail.com	8
6.	SIMMI BAGHEL	nilimasathe326@gmail.com	8

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

1 How many classrooms does your school have?

39

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)
8A	485.30	32.37	6.67
7A	513.00	92.14	17.96
7B	535.90	108.54	20.25
6B	520.00	106.80	20.54
6A	535.00	106.80	19.96

5A	535.90	106.80	19.93
5B	513.00	108.54	21.16
9A	513.00	108.54	21.16
9B	485.30	92.14	18.99
8B	485.30	92.14	18.99
<b>TOTAL</b>	<b>5,121.70</b>	<b>954.81</b>	

### 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	70	0	0	70
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	340	0	0	340
Taxi three-wheeler	350	0	0	350
Personal four-wheeler	10	2	0	12
Personal two-wheeler	50	20	0	70
Bicycle	68	1	3	72
On foot	250	10	0	260
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1138</b>	<b>33</b>	<b>3</b>	<b>1174</b>

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

5

How many students suffer from respiratory ailments ?

10

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.	WASIM KHAN	warner.dgg777@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	SANTOSH YADAV	warner.dgg777@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	PRANJALI ALONI	pranjaliaroni762001@gmail.com	11
2.	PALLAVI CHUDASAMA	palluchudasama11@gmail.com	11
3.	AKANKSHA PATEL	sureshmdpatel@rediffmail.com	11
4.	SHALLY YADAV	dawntraders7@gmail.com	11
5.	DIVYA PATRE	patreshankarrao@gmail.com	11

### Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. DSC\_0105.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)	3958	14248.80	1,3,5
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
<b>TOTAL</b>	<b>3958.00</b>	<b>14248.80</b>	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	13	1.5,2	2,3,4,5
Refrigerator	1	180	5
Microwave	0	0	0
Tube Lights	209	40	0
CFL Bulbs	0	0	0
LED Lights	24	10	0
Fans	128	40	0



### Supporting Documents

1. DSC\_0103 %281%29.JPG
2. DSC\_0108.JPG
3. DSC\_0109.JPG

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

5

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

275

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.	Mrs Geetu	geetu5775@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	Mr Santosh Yadav	geetu5775@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Ishita Mandal	ishitatk@gmail.com	11
2.	Anjali Agrawal	sandhyaagrawal87@gmail.com	11
3.	Nafis Raza	nafisindian2001@gmail.com	11
4.	Deepali Choudhary	choudharyvijaykumar73@gmail.com	11
5.	Divesh Pandey	diveshpandey29.dp@gmail.com	11

### 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. WP\_20160908\_001.jpg
2. WP\_20160908\_002.jpg
3. WP\_20160908\_003.jpg
4. WP\_20160908\_004.jpg

5. WP\_20160908\_005.jpg

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

1097.00

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

26.00

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?

Biscuits and chocolates

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

No

#### Supporting Documents

1. food audit.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Elizabeth J Mathew	elizabethmathew44@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Santosh Yadav	elizabethmathew44@gmail.com
2.	A. B. Singh	elizabethmathew44@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Shikhar Jha	purnimakjha@rediff.com	9
2.	Tejaswini Panda	purnimakjha@rediff.com	9
3.	Ishan Bawne	ganeshbawne333@gmail.com	9
4.	Palak Chandak	ganeshbawne333@gmail.com	9
5.	Aditya G	ganeshbawne333@gmail.com	9
6.	Yash Raj Sahu	kcsahoo7324@gmail.com	9
7.	Deepanshi	kcsahoo7324@gmail.com	9
8.	Chanchal	kcsahoo7324@gmail.com	9
9.	Anisha	kcsahoo7324@gmail.com	9

### 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> )	9
Ground coverage area	9
Green landscaped area on-ground	0
Surface parking area	240

Play area that is paved/ concrete on ground	9,472
Play area that has grass on ground	0
Service Area on ground	84
Roof and terrace area	2,624
Green cover on exposed roof & terrace	0
Total built up/constructed area	9,636
Total no. of floors	1
Others	609

### 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	33	30	63
Animals	14	9	23

### 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. DSC08725.JPG
2. DSC08726.JPG
3. DSC08729.JPG



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Geetu	geetu5775@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	Santosh Yadav	geetu5775@yahoo.co.in
2.	A.B. Singh	geetu5775@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Ishita Pandey	ishitapandey2001@gmail.com	11
2.	Radha Pandey	navin11174@gmail.com	11
3.	Shiksha Pandey	shikshapandey100@gmail.com	11
4.	Harsh Rathore	rsharshyash@yahoo.com	11
5.	Rishabh Chouhan	rishabhchouhan2000@gmail.com	11

### 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	1100
Toilet flushing	550
Personal cleaning	0
Washing clothes	2
Cooking	2
Cleaning Utensils	5
Washing Vegetables	0

Mopping floors	50
Gardening	0
Total	1709

### 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

=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?	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?	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. WP\_20160926\_003.jpg
2. WP\_20160927\_005.jpg
3. WP\_20160926\_009.jpg
4. WP\_20160926\_002.jpg
5. WP\_20160926\_001.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).

1937

**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?

6

9 How many hand pumps do you have?

0

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

78

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

	Girls	Boys	Common	Total
Number of toilets	27	27	0	54

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

26

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

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.	P N Soni	Pranavnseni@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	A B Singh	Pranavnseni@gmail.com
2.	Santosh Yadav	Pranavnseni@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Surbhi Sharma	gpsharma190767@gmail.com	11
2.	Antra Dewangan	annapurna116@gmail.com	11
3.	Namita Bagh	prafullakumarbagh@gmail.com	11
4.	Tulsi Ram Dadsena	prahalladadadsen@gmail.com	11
5.	Nitish Kumar Patel	prabhatpatel.pkp@gmail.com	11

### 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 Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	1	0	1	0	0
Playgrounds	3	1	2	0	0

Common area (e.g. reception, corridors)	2	1	1	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	3	0	3	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	3	1	2	0	0
Total	16	3	13	0	0

### Supporting Documents

1. IMG-20161111-WA0001.jpg
2. IMG-20161111-WA0002.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	1
Kitchen waste	0
Paper	25
Plastic	0
Wood, glass, metal, classroom furniture	4
E-waste	0
Biomedical waste	0
Sanitary waste	4
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

34

### Supporting Documents

1. IMG-20161111-WA0006.jpg
2. IMG-20161111-WA0003.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 &amp; 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?

Designated dumping site (Dhalao)

### Supporting Documents

1. IMG-20161025-WA0006.jpg
2. IMG-20161111-WA0008.jpg

9

Does your school burn waste?

Yes

### Supporting Documents

1. IMG-20161111-WA0007.jpg
2. IMG-20161111-WA0008.jpg

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPaper

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	1	1	0
Washing machines	0	0	0
Air conditioners	12	12	0
Heaters	0	0	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)	102	90	12
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	3	3	0
Projectors	13	13	0
Whiteboards	16	16	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	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 dealer

## 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

No documents uploaded by the school.

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-20161025-WA0001.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?

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?

Whatever is possible

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Average
Distribution of time among tasks	Average
Sequencing of tasks	Average
Orientation for conducting tasks	Average

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?

35.00

### Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Photographs of lunch boxes
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Pictures of dustbins in classroom showing segregation at source
7. Pictures of playground with more than two dustbins
8. Picture of audit team weighing solid waste
9. Picture of types of solid waste generated
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of burning waste
12. Pictures of respective audit teams doing survey