



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Kendriya Vidyalaya, Durg  
**Address:** Near 5 Building, Malviya Nagar, DURG,  
Durg, Chhattisgarh, India  
**Coordinator Name:** JOGENDRA PRADHAN



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, Durg

2

**Address**

Near 5 Building, Malviya Nagar, DURG, Durg, Chhattisgarh, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 0771 (NUMBER) 2323302

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 9424235475

5

**Principal Name**

Gloria Minj

6

**GSP Coordinator Name**

JOGENDRA PRADHAN

7

**GSP Coordinator Email**

jogendra.pradhan6@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9424235475

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	1277	1150	2427
Teachers	20	45	65
Non-Teaching Staff	8	3	11
TOTAL	1305	1198	2503

4(b)

How many visitors visit your school

5

5

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

200

6

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

July

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Jogendra Pradhan	Jogendra Pradhan
2.	Ashok Kumar Bharti	ankit.1515@rediffmail.com
3.	Shanti Kumar Tirkey	shanti_prakash07@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj, Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Vedang Mishra	m.vedang123@gmail.com	7
2.	J S Siddharth	jskcec@gmail.com	8
3.	Siddharth Singh	sighsiddharth@gmail.com	8
4.	Parish Choubey	parishsinghch@gmail.com	9
5.	Tushar Rusia	devesh.rusia@gmail.com	9
6.	Samarth Shukla	samarthshukla8989@gmail.com	10
7.	Rashi Sahu	rupal_197201@yahoo.co.in	11
8.	Amisha Mishra	amishamishra2k@gmail.com	11
9.	Alok Vardanik	alokvardanik2008@gmail.com	12

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

1 How many classrooms does your school have?

48

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 A	50.00	8.00	16.00
II A	50.00	8.00	16.00
III A	49.00	12.00	24.49
IV A	49.00	12.00	24.49
V A	49.00	12.00	24.49
VI A	49.00	12.00	24.49
VII D	49.00	12.00	24.49
VIII A	49.00	12.00	24.49
IX A	49.00	12.00	24.49
X A	49.00	12.00	24.49
TOTAL	492.00	112.00	

### 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	864	0	0	864
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	510	0	0	510
Taxi three-wheeler	384	6	0	390

Personal four-wheeler	96	20	4	120
Personal two-wheeler	192	24	4	220
Bicycle	333	0	0	333
On foot	44	20	2	66
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>2423</b>	<b>70</b>	<b>10</b>	<b>2503</b>

### 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 Chaturvedi	sanjae1507@gmail.com
2.	R K Jha	jharudrakant@gmail.com
3.	A N Singh	singhamarnath1971@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj , Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Vandana Choudhary	vandhanachoudhary.135@gmail.com	12
2.	Gauri Jadhav	gaurijadhav.179@gmail.com	12
3.	Shivani Parihar	parihar.shivani12@yahoo.cin	12
4.	Ankush Raman Patel	ankushpatelarp@gmail.com	11
5.	Purnansh Choubey	purnansh12@gmail.com	10
6.	Sakshi sahu	sakshisahu0428@gmail.com	8

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

1

Does your school have access to an electricity bill?

Yes

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)	25290	91044.00	0
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	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	25304.20	91776.72	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	32	1.5 Tons	5
Refrigerator	2	350 W	3
Microwave	1	1350W	5
Tube Lights	350	40w	0



CFL Bulbs	6	45w	0
LED Lights	10	20	0
Fans	300	250	0

### Supporting Documents

1. acc.jpg

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

5

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

90

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.	Jogendra Pradhan	jogendra.pradhan6@gmail.com
2.	T Hirwani	singh.than71@yahoo.com
3.	A K Bharti	ankit.1515@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj, Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.in
4.	N Usha Rani	gyankirti23@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	N Deepika	raghumanth@gmail.com	10
2.	Raj Kothari	rajkothari133@gmail.com	7
3.	Sonima Dhabre	dhabresonima5@gmail.com	8
4.	Mita Singh	mitasingh19062002@gmail.com	9
5.	Animesh Sahu	animeshsahu@gmail.com	10
6.	Khushboo Patle	khushboo.patle09@gmail.com	11
7.	Smiti Kosley	smitikosley@gmail.com	11
8.	priyam Shrishimal	priyam789@gmail.com	12

### 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

No documents uploaded by the school.

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

2180.00

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

30.00

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
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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?

Munch, Perk, Dairy Milk, Biscuit like goodday, treat, butterbite etc.

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

No

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Y K Tiwari	yogendratiwari1978@gmail.com
2.	Bindu Shivrajan	nair.bindushivrajana1@gmail.com
3.	S K Rajput	rajput13april@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj, Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Vandana Choudhary	vandanachoudhary.135@gmail.com	12
2.	Gauri Jadhav	gaurijadharv.179@gmail.com	12
3.	Neha Sahu	nehasahu10408@gmail.com	12
4.	Shivam Dalvi	vasantnandadalvi@gmail.com	12
5.	Ashish Raman Patel	ankushpatelarp@gmail.com	11
6.	Puransh Choubey	puransh12@gmail.com	10
7.	Gouri Sajeev	gaurisajeev5121@gmail.com	10
8.	Sakshi Sahu	sakshisahu0428@gmail.com	8
9.	Mallika Shrivastava	kindmahima12@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 (m <sup>2</sup> )	61,026
Ground coverage area	3,487

Green landscaped area on-ground	34,550
Surface parking area	0
Play area that is paved/ concrete on ground	2,500
Play area that has grass on ground	16,540
Service Area on ground	100
Roof and terrace area	3,350
Green cover on exposed roof & terrace	0
Total built up/constructed area	6,881
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	40	7	47
Animals	90	20	110

### 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.	V Bhardwaj	vkbdmt@yahoo.com
2.	A K Bharti	ankit.1515@gmail.com
3.	H L Sahu	sahi_hl1958@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj, Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Harbhan Kapoor		10
2.	Rajshekhar Sinha		9
3.	Agranshu		9
4.	Ankit		9
5.	Pulkit Sahu		9
6.	Ishika Dubey		9
7.	Kritika Verma		9
8.	Chetna Sahu		9
9.	Sunima Dhabre		8
10.	Agrima		7

### 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	1000

Toilet flushing	1500
Personal cleaning	500
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	300
Gardening	1000
Total	4300

### 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

2-6 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?	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

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?

Paved + Unpaved

6(b)

How does your school harvest rainwater?

Combination of both

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?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

2000.00

6(b)(2)(b)

Total number of storage tanks

1.00

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

Underground + Over-ground + Semi underground

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

Combination of PVC + RCC + Brick

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

51 to 60 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Storage tank, Collection sump, Pump unit, Recharge structure

6(e) Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

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?

If there was an increase, please specify

6(h)(1) Please specify how much was the increase?

1-5 metre annually

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?

40

9

How many hand pumps do you have?

2

10

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

14

11

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

	Girls	Boys	Common	Total
Number of toilets	6	6	8	20

12

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

12

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.	A K Bharti	ankit5858@gmail.com
2.	V Bhardwaj	vkbdmt@yahoo.com
3.	H L Sahu	sahu_hl1958@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	Gloria Minj, Principal	durgkv09@gmail.com
2.	Supriya Mallik	smallik458@gmail.com
3.	S K Verma	skverma99@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Satvik Rajput		8
2.	spandan Tamrakar		8
3.	Anubhav Jha		9
4.	Agranshu		9
5.	Indu Vardanik		9
6.	Tushar Rusia		9
7.	Tanushree Mahajan		9
8.	Rajkishore		9
9.	Ankit		9
10.	Nafeesa		9

### 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	48	0	48	0	0
Playgrounds	24	0	16	8	0
Common area (e.g. reception, corridors)	12	0	8	4	0
Staffroom	12	0	8	4	0
Laboratory	9	0	6	3	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	1	1	0
Library	4	0	2	2	0
Toilets	16	0	8	8	0
Others	16	0	8	8	0
Total	143	0	105	38	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	150
Kitchen waste	0
Paper	20
Plastic	0

Wood, glass, metal, classroom furniture	10
E-waste	5
Biomedical waste	5
Sanitary waste	20
Construction and Demolition (C & D) waste	50
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	261

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?

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)?

50.00

5c What is the purpose of the compost that is generated per month?

For 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)	✗	✗	✓	✗

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	2	2	0



VCR or DVD players	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	32	32	0
Heaters	1	1	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	183	151	32
Laptop computer (CPU, mouse, screen and keyboard included)	1	0	1
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	15	15	0
Copying equipment (Photocopiers)	3	3	0
Projectors	11	11	0
Whiteboards	10	10	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 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 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

No documents uploaded by the school.



## 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?

No

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?

no

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	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?

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?

20.00

**Checklist of uploaded documents**

1. Picture of 5 star appliances used by school