



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Kendriya Vidyalaya  
**Address:** Harsinghpura, Post Office Pundri, Karnal,  
Karnal, Haryana, India  
**Coordinator Name:** Harish Kumar Rathi



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

2

**Address**

Harsinghpura, Post Office Pundri, Karnal, Karnal, Haryana, India

3

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

(ISD) 91 (STD) 01748 (NUMBER) 202706

4

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

(ISD) 91 (Number) 8295600447

5

**Principal Name**

Mohd. Ahmad

6

**GSP Coordinator Name**

Harish Kumar Rathi

7

**GSP Coordinator Email**

rathiharishkumar@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9988656168

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	601	346	947
Teachers	17	18	35
Non-Teaching Staff	05	00	5
TOTAL	623	364	987

4(b) How many visitors visit your school

36

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

225

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

Aug, Sep, Oct

7 Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	T.K. Mishra	T.K. Mishra
2.	Sunil Kumar	singroha5050@gmail.com
3.	Jasvir Singh	nirmalvats87@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir Singh	
2.	Joginder Singh	
3.	Manjeet	
4.	Mahabir	bhardwaj08@gmail.com
5.	Surender	

#### Students

Sno.	Name	Email	Grade/Class
1.	Amarpreet	amarpreet2605@gmail.com	9
2.	Chirag	chiragkapoor535@gmail.com	9
3.	Rupesh	repeshsingh753@gmail.com	9
4.	Prasitha	sriprasitha2003@gmail.com	9
5.	Ankit	pachanan.m@dainikbhaskar.com	9
6.	Perna	prernatyagi049@gmail.com	9
7.	Naveen	naveenyadav174@gmail.com	10
8.	Nikhil	harshitahlawat100@gmail.com	10
9.	Kajal	madhadkajal@gmail.com	10
10.	Sonam	sonamali@gmail.com	10

### 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)
8 B	49.00	39.00	79.59
9 A	49.00	39.00	79.59
11 B	49.00	39.00	79.59
12 A	49.00	39.00	79.59
2 B	49.00	39.00	79.59
9 B	49.00	39.00	79.59
1 B	49.00	39.00	79.59
10 A	49.00	29.36	59.92
4 B	49.00	29.36	59.92
5 B	49.00	39.00	79.59
TOTAL	490.00	370.72	

### 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	273	11	0	284
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	197	13	0	210

Taxi three-wheeler	53	0	0	53
Personal four-wheeler	0	6	0	6
Personal two-wheeler	27	4	0	31
Bicycle	67	0	0	67
On foot	330	6	0	336
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>947</b>	<b>40</b>	<b>0</b>	<b>987</b>

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

5

How many students suffer from respiratory ailments ?

5

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.	T.K. Mishra	tkmishra1959@gmail.com
2.	Dipti Anand	diptianand13@yahoo.co.in
3.	R.K. Sahu	rk.sahu23@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir Singh	
2.	Joginder Singh	
3.	Mahabir Bhardwaj	bhardwaj08@gmail.com
4.	Surender	
5.	Santosh	

#### Students

Sno.	Name	Email	Grade/Class
1.	Rupesh	rupeshsingh753@yahoo.com	9
2.	Abhay	abhay330@gmail.com	9
3.	Kunal	kunalthiplayalsharmal@gmail.com	9
4.	Pargat	ps1213@gmail.com	9
5.	Subham	108441155@gmail.com	9
6.	Perna	prernatyagi049@gmail.com	9
7.	Neetu	tyaginaresh48@gmail.com	9
8.	Kajal M	modhadkajal@gmail.com	10
9.	Aman	amanjaltu03@gmail.com	9
10.	prasitha	sriprasitha2003@gmail.com	9

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

1

Does your school have access to an electricity bill?

Yes

## Supporting Documents

1. Scan1.PDF

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)	3000	10800.00	0
Electricity from generator (diesel) (litres)	50	2280.00	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)	35.5	1831.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3085.50	14911.80	

No documents uploaded by the school.

4

What appliances does your school have?



	Number	Size	BEE Star Rating
Air Conditioners	5	1.5	2 star
Refrigerator	3	165	3 star
Microwave	1	20	4 star
Tube Lights	341	28	0
CFL Bulbs	0	0	0
LED Lights	47	7	0
Fans	283	85	0

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?

310

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.	Dr. Dipti Anand	diptianand13@yahoo.co.in
2.	Vinita Chaudhry	vineeta.choudhary2011@gmail.com
3.	Sangeeta Ranga	sangitachopra12@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir Singh	
2.	Joginer	jogenderchhikara@gmail.com
3.	Mahavir Prasad	bhardwaj08@gmail.com
4.	Manjeet	
5.	Santosh	

#### Students

Sno.	Name	Email	Grade/Class
1.	Shubham	satishasc755@gmail.com	8
2.	Ritik	satyapalyadavciscf2001@gmail.com	8
3.	Ronit	sanayammiglani29@gmail.com	8
4.	Prince	ajadsingh523@gmail.com	8
5.	Kiran	pawancisfnfl@gmail.com	8
6.	Diya	lovishdua7@gmail.com	8
7.	Mayank	muna7289@gmail.com	8
8.	Arsh	rajkumardhiman@gmail.com	8
9.	Jyoti	manoj40545@gmail.com	8
10.	Yashika	smanish@pan.jagran.com	8

### 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

### Supporting Documents

1. IMG\_20161116\_100948\_HDR.jpg

2(a)(1)

How many students out of total student population bring home-made lunch?

940.00

2(a)(2)

Of the students who bring lunch from home, how many bring packaged food?

0.00

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	5	1000	1
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)	3	450	1
Ice-cream	0	0	0
Carbonated beverages	0	0	0

Sugar sweetened noncarbonated beverages	1	160	1
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

### Supporting Documents

1. IMG\_20161116\_104325\_HDR.jpg
2. IMG\_20161116\_104157\_HDR.jpg

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	80
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

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

Due to shortage of space in canteen and manpower.

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?

Yes

6(a)

Please provide details

our school provides biscuits and chips on independence day and children day

7

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

No

8

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

No

### Supporting Documents

1. IMG\_20161116\_102419\_HDR.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Dr. Dipti Anand	diptianand13@yahoo.co.in
2.	Sunil Kumar	singroha5050@gmail.com
3.	Jasvir	nirmalvats87@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir Singh	
2.	Joginder	jogenderchhikara@gmail.com
3.	Mahabir	
4.	Manjeet	

#### Students

Sno.	Name	Email	Grade/Class
1.	Yuvraj	shubhamsingh.10k@gmail.com	9
2.	Sahil	sahilrajput9813@gmail.com	9
3.	Jaskaran	devinder096@gmail.com	9
4.	Mehak	mehaksandhu456@yahoo.com	9
5.	Divya	divyamalik2002@gmail.com	9
6.	Raman	gautamtyagi705@gmail.com	10
7.	Komal	tannukaushik66@gmail.com	10
8.	Muskan		10
9.	Ashwani		10
10.	Deepanshi		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> )	41,701

Ground coverage area	2,112
Green landscaped area on-ground	19,500
Surface parking area	1,120
Play area that is paved/ concrete on ground	4,620
Play area that has grass on ground	9,600
Service Area on ground	130
Roof and terrace area	2,047
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,160
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	20	1	21
Animals	7	0	7

### 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. IMG\_20161117\_130047.jpg
2. IMG\_20161117\_130110.jpg
3. IMG\_20161117\_125919.jpg
4. IMG\_20161117\_125709.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	T.K. Mishra	tkmishra1959@gmail.com
2.	Dr. Dipti Anand	diptianand13@yahoo.co.in
3.	Sangeeta Ranga	sangitachopra12@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir singh	
2.	Joginder	jogenderchhikara@gmail.com
3.	Mahabir	bhardwaj08@gmail.com
4.	Manjeet	
5.	Jai Narayan	

#### Students

Sno.	Name	Email	Grade/Class
1.	Hitesh	aryantyagi781@gmail.com	8
2.	Pankaj Kumar		8
3.	Sahil	ssahilsandhu74@gmail.com	8
4.	Paras	sangeeta2964@gmail.com	8
5.	Kanchan		8
6.	Charu		8
7.	Chakshu		8
8.	Deepak	samdhyandeepak@gmail.com	8
9.	Parvesh	vedprakash2015@gmail.com	8
10.	Dhruv		8

### 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	1500
Toilet flushing	4000
Personal cleaning	500
Washing clothes	200
Cooking	50
Cleaning Utensils	300
Washing Vegetables	50
Mopping floors	400
Gardening	1000
Total	8000

### 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?	No
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?

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

1500

### 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?

7

9 How many hand pumps do you have?

0

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

35

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

	Girls	Boys	Common	Total
Number of toilets	4	4	0	8

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

20

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

Once 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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Vineeta Choudhary	vineeta.choudhary2011@gmail.com
2.	Dr. Dipti Anand	dipti.anand13@yahoo.co.in
3.	R.K. Shau	rksahu23@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Dalbir Singh	
2.	Jodinder	jogenderchhikara@gmail.com
3.	Mahavir Prasad	bhardwaj08@gmail.com
4.	Manjeet	
5.	Santosh	

#### Students

Sno.	Name	Email	Grade/Class
1.	Ashwani Kumar		9
2.	Surya	miriyalasurya090@gmail.com	9
3.	Jas Karan	devinder096@gmail.com	9
4.	Yuvraj Singh	pok@gmail.com	9
5.	Sahil	sahilrajput9813@gmail.com	9
6.	Deven	deven.kaushik@gmail.com	9
7.	Chirag	chiragkapoor535@gmail.com	9
8.	Vishal	vishalarya827@gmail.com	9
9.	Ankit Tandewal	ankittunderwal1234@gmail.com	9
10.	Naman Mishra	namanmishra133@gmail.com	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. 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	29	0	29	0	0
Playgrounds	1	0	0	0	1
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	5	0	5	0	0
Canteen	1	0	0	1	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	10	4	6	0	0
Others	10	1	7	2	0
Total	60	5	51	3	1

### Supporting Documents

1. IMG\_20161118\_084237.jpg
2. IMG\_20161118\_085159.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	90
Kitchen waste	7.5

Paper	120
Plastic	2
Wood, glass, metal, classroom furniture	10
E-waste	0
Biomedical waste	45
Sanitary waste	90
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	364.5

### Supporting Documents

1. IMG\_20161118\_085811.jpg
2. IMG\_20161118\_092624.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?

Open dumping

### Supporting Documents

1. IMG\_20161118\_085812.jpg

9

Does your school burn waste?

Yes

### Supporting Documents

1. IMG\_20161118\_090701.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

Horticultural Paper



Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	4	4	0
VCR or DVD players	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	5	5	0
Heaters	2	2	0
Microwaves	1	1	0
Ovens	2	2	0
Toasters	0	0	0
Electric Kettles	5	5	0
Personal computers (CPU, mouse, screen and keyboard included)	64	64	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	11	10	1
Copying equipment (Photocopiers)	2	2	0
Projectors	15	15	0
Whiteboards	9	9	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	12	6	6
Fax machines	1	1	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?

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?

By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

## Supporting Documents

1. IMG\_20161118\_092737.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?

Support from local Administration as well as from Villager of Harsinghpura to aware the nearby people not to through the waste near by vidyalaya. Also financial support for establish different unit of recycling etc.

8 How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Good
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?

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?

45.00

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Picture of types of solid waste generated
12. Pictures of housekeeping staff disposing different types of solid waste
13. Pictures of burning waste
14. Pictures of respective audit teams doing survey