



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:**

KENDRIYA VIDYALAYA HARDOI

**Address:**

CAMPUS (GOVT. INTER COLLEGE  
HARDOI ), GHANTA GHAR ROAD  
HARDOI , HARDOI , HARDOI, Hardoi,  
Uttar Pradesh, India

**Coordinator Name:**

jay kishan kushwaha



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 HARDOI

2

**Address**

CAMPUS (GOVT. INTER COLLEGE HARDOI ), GHANTA GHAR ROAD HARDOI , HARDOI , HARDOI, Hardoi, Uttar Pradesh, India

3

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

(ISD) 91 (STD) 5852 (NUMBER) 233332

4

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

(ISD) 91 (Number) 9451897425

5

**Principal Name**

Prem Narayan

6

**GSP Coordinator Name**

jay kishan kushwaha

7

**GSP Coordinator Email**

jaykishan311@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9454572136

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:7

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	205	122	327
Teachers	6	3	9
Non-Teaching Staff	2	1	3
TOTAL	213	126	339

4(b)

How many visitors visit your school

4

5

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

220

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.	Mr. Sunil Kumar	Mr. Sunil Kumar
2.	Mrs. Preeti Singh	pri_dec@rediffmail.com
3.	Ms. Shalu	

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	kvhardoi@rediffmail.com
2.	Mrs. Beena Rawat	rawatbeena64@gmail.com
3.	Mr. Jay kishan Kushwaha	jaykishan311@gmail.com
4.	Mr. Vinod Jaiswal	vinodjaiswal_1409@rediffmail.com
5.	Ms. Vinodani Devi	vinodani4884@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	SHIVANG MISHRA	yatiarti@gmail.com	6
2.	Apoorv Patel	arunkumar1004@gmail.com	6
3.	Suyansh Yadav	kvhardoi@rediffmail.com	6
4.	Devansh Kumar Vishwakarma	devanshkumar918@gmail.com	7
5.	Pranjal Singh		7
6.	Asmit Gupta	asmitgupta50@gmail.com	7
7.	Kartikey Mishra	Kartikey764@gmail.com	7
8.	Suyash	suyashshukla953@gmail.com	7
9.	Varnit Dixit		7
10.	Pranav Veer Maurya		7

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

1

How many classrooms does your school have?

8

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	45.00	41.30	91.78
Class II	45.00	41.30	91.78
Class III	45.00	41.30	91.78
Class IV	45.00	41.30	91.78
Class V	45.00	41.30	91.78
Class VI	45.00	41.30	91.78
Class VII	45.00	41.30	91.78
OFFICE	45.00	41.30	91.78
			0.00
			0.00
TOTAL	360.00	330.40	

### 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)	100	0	0	100
Taxi four-wheeler	0	1	0	1

Taxi three-wheeler	0	4	2	6
Personal four-wheeler	0	1	0	1
Personal two-wheeler	0	3	0	3
Bicycle	50	0	1	51
On foot	177	0	0	177
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>327</b>	<b>9</b>	<b>3</b>	<b>339</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.	Mr. Sunil Kumar	yadavsunil329@gmail.com
2.	Ms Preeti Singh	pri_t_dec@rediffmail.com
3.	Ms. Shalu	kvhardoi@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	kvhardoi@rediffmail.com
2.	Mrs. Beena Rawat	
3.	Mr. Jay Kishan Kushwaha	
4.	Mr. Vinod Jaiswal	
5.	Ms. Vinodani Devi	

#### Students

Sno.	Name	Email	Grade/Class
1.	Shivang Mishra		6
2.	Apoorv Patel		6
3.	Anudit Somvanshi		6
4.	Suyash Yadav		6
5.	Nivedita Verma		6
6.	Nivedita Mishra		6
7.	Anushka Shanker		6
8.	Kartikey Mishra		7
9.	Kartikey Tripathi		7
10.	Adarsh Shukla		7

### 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)	100	360.00	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
TOTAL	100.00	360.00	

No documents uploaded by the school.

4 What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------



Air Conditioners	0	0	0
Refrigerator	1	165	4
Microwave	0	0	0
Tube Lights	0	0	0
CFL Bulbs	30	20	0
LED Lights	0	0	0
Fans	25	40	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?

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.	Mr. S R Verma	kvhardoi@rediffmail.com
2.	Mr. S Shanker	kvhardoi@rediffmail.com
3.	Mr. Rajesh Tiwari	kvhardoi@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	kvhardoi@rediffmail.com
2.	Ms. Beena Rawat	
3.	Mr. Jay Kishan Kushwaha	jaykishan311@gmail.com
4.	Mr. Vinod Jaiswal	
5.	Ms. Vinodani devi	

#### Students

Sno.	Name	Email	Grade/Class
1.	Garima Kushwaha		7
2.	Saumya Singh		7
3.	Pranjal Singh		7
4.	Varnit Dixit		7
5.	Anubhav Singh		7
6.	Pranav Veer Maurya		7
7.	Anushka Shanker		6
8.	Suyansh Yadav		6
9.	Abhya Mishra		5
10.	Alekhyia		5

### 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. IMG\_2153.JPG
2. IMG\_2157.JPG
3. IMG\_2158.JPG

2(a)(1)

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

327.00

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	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?

Yes

6(a)

Please provide details

On the occasion of Children day, Independence day, Republic day, etc..

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\_2383.JPG
2. IMG\_2385.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. S R Verma	kvhardoi@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	
2.	Mrs. Beena Rawat	
3.	Mr. Jay Kishan Kushwaha	jaykishan311@gmail.com
4.	Mr. Vinod Jaiswal	
5.	Ms. Vinodani Devi	

#### Students

Sno.	Name	Email	Grade/Class
1.	Devansh Kumar		7
2.	Suyash		7
3.	Abhishek Singh		7
4.	Varnit Dixit		7
5.	Akash Rajput		7
6.	Adarsh Shukla		7
7.	Asmit Gupta		7
8.	Atharv Tiwari		7
9.	Anubhav Singh		7
10.	Kartikey Mishra		7

### 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> )	14,400

Ground coverage area	10,000
Green landscaped area on-ground	108
Surface parking area	80
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	3,400
Service Area on ground	10,000
Roof and terrace area	10,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	10,000
Total no. of floors	1
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	100	60	160
Animals	0	0	0

### 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\_2392.JPG
2. IMG\_2394.JPG
3. IMG\_2395.JPG
4. IMG\_2406.JPG
5. IMG\_2407.JPG



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. S. R Verma	kvhardoi@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	kvhardoi@gmail.com
2.	Mrs. Beena Rawat	
3.	Mr. Jay Kishan Kushwaha	jaykishan311@gmail.com
4.	Mr. Vinod Jaiswal	
5.	Ms. Vinodani Devi	

#### Students

Sno.	Name	Email	Grade/Class
1.	Varnit Dixit		7
2.	Suyash		7
3.	Devansh Vishwakarma		7
4.	Garima Kushwaha		7
5.	Saumya Singh		7
6.	Priyanshi Shukla		7
7.	Anushka Shakar		6
8.	Bhawna Patel		6
9.	Suyanshu Yadav		6
10.	Himanshu Kushwaha		5

### 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	500

Toilet flushing	240
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	50
Washing Vegetables	0
Mopping floors	10
Gardening	200
Total	1000

### 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

7-12 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?	No
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?	No
Any other step taken for water conservation? (if Yes, please specify)	No

### Supporting Documents

1. IMG\_2409.JPG
2. IMG\_2410.JPG
3. IMG\_2412.JPG
4. IMG\_2415.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).

1000

## 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?	No
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?

4

9 How many hand pumps do you have?

1

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

2

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

	Girls	Boys	Common	Total
Number of toilets	1	1	0	2

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

0

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

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Rajesh Tiwari	kvhardoi@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Prem Narayan	kvhardoi@rediffmail.com
2.	Ms. Beena Rawat	
3.	Mr. Jay Kishan Kushwaha	jaykishan311@gmail.com
4.	Mr. Vinod Jaiswal	
5.	Ms. Vinodani Devi	

#### Students

Sno.	Name	Email	Grade/Class
1.	Varnit Dixit		7
2.	Astha Srivastava		7
3.	Garima Kushwaha		7
4.	Pranjal Singh		7
5.	Kartikey Mishra		7
6.	Saumya Singh		7
7.	Akash Rajput		7
8.	Priyanshi Shukla		7
9.	Abhishek Singh		7
10.	Suyash		7

### 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	1	0	1	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	1	0	1	0	0
Others	0	0	0	0	0
Total	6	0	6	0	0

### Supporting Documents

1. IMG\_2418.JPG
2. IMG\_2419.JPG
3. IMG\_2421.JPG
4. IMG\_2422.JPG
5. IMG\_2423.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	3
Kitchen waste	0
Paper	3
Plastic	1

Wood, glass, metal, classroom furniture	3
E-waste	0
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	12

### Supporting Documents

1. IMG\_2425.JPG
2. IMG\_2426.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?

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	1	1	0
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0

Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	8	8	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	1	1	0
Projectors	0	0	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	1	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?

No

## 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?

No

14

Is the study of the environment integrated into the curriculum?

Yes

### Supporting Documents

1. IMG\_2425.JPG
2. IMG\_2426.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?

this building is temporary

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	Average
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?

More than twice

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?

2.00

### Checklist of uploaded documents

1. Photographs of lunch boxes
2. Pictures of Green Cover
3. Pictures of landscaped area
4. Building construction plan
5. Pictures of dustbins in classroom showing segregation at source
6. Pictures of playground with more than two dustbins
7. Picture of audit team weighing solid waste
8. Pictures of respective audit teams doing survey