



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA NO.1  
**Address:** CIVIL LINE, REWA, REWA, REWA,  
Madhya Pradesh, India  
**Coordinator Name:** S.N.OJHA



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.1

2

Address

CIVIL LINE, REWA, REWA, REWA, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 7662 (NUMBER) 258522

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9425330090

5

Principal Name

CHANDAN KOHLI

6

GSP Coordinator Name

S.N.OJHA

7

GSP Coordinator Email

ojha.somnath11@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9406978380

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	1013	825	1838
Teachers	26	21	47
Non-Teaching Staff	7	0	7
TOTAL	1046	846	1892

4(b)

How many visitors visit your school

25

5

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

215

6

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

July, Aug

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	P K SHRIVASTAVA	P K SHRIVASTAVA

#### Administrative staff

Sno.	Name	Email
1.	UGRESEN SAHOO	sahoougrasen@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Nitendra Pathak	pathaknitendra14@gmail.com	8

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

1 How many classrooms does your school have?

38

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)
12 A	600.00	358.00	59.67
12 B	600.00	358.00	59.67
12 C	624.00	358.00	57.37
12 D	624.00	358.00	57.37
11 A	600.00	358.00	59.67
11 B	600.00	358.00	59.67
11 C	624.00	358.00	57.37
11 D	624.00	358.00	57.37

10 A	650.00	358.00	55.08
10 B	650.00	358.00	55.08
TOTAL	6,196.00	3,580.00	

### 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
School 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)	0	0	0	0
Taxi four-wheeler	30	15	0	45
Taxi three-wheeler	400	0	0	400
Personal four-wheeler	30	11	0	41
Personal two-wheeler	525	21	3	549
Bicycle	702	0	0	702
On foot	151	0	4	155
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1838	47	7	1892

### 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?

No



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs.Chandra Kiran	chandrakiran_gupta@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	Laloo Prasad	lalooprasad2015@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	NANDINI		11
2.	Aparna		11
3.	Sankarshan		11

### 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)	5039	18140.40	1,2,5
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)	28.4	1465.44	3
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>5067.40</b>	<b>19605.84</b>	

### Supporting Documents

1. IMG\_20161111\_132650.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	6	1.5	5
Refrigerator	1	165	5
Microwave	0	0	0
Tube Lights	285	40	5
CFL Bulbs	22	85	5
LED Lights	30	9	5
Fans	200	65	5



## Supporting Documents

1. IMG\_20161115\_072700.jpg

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

5

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

171

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.	Anita Pandey	anita.pandey11@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	N P MISHRA	

#### Students

Sno.	Name	Email	Grade/Class
1.	Shivank Dwivedi		9
2.	Amar Singh		9
3.	Anjali Tiwari		9
4.	Sheetal Singh		9
5.	Parul Dwivedi		8
6.	Divya Tiwari		8
7.	Prachi		8
8.	Arti verma		8
9.	Utkarsh		8
10.	YashRaj		9

### 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

No documents uploaded by the school.

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

1580.00

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

28.00

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	05	7500	10
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)	8	9325	10
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?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	752
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	20

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

Poha served on every wednesday

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?

No

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

No

#### Supporting Documents

1. IMG-20161116-WA0002.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	NIDHI SINGH	nidhi04071981@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	LALOO PRASAD	

#### Students

Sno.	Name	Email	Grade/Class
1.	AVINASH GAUTAM		9
2.	SAUMY PANDEY		9
3.	YASHO VARDHAN		9
4.	SIDDHARTH RANJAN		7
5.	ARPIT SINGH		7
6.	SATYARTH CHATURVEDI		7
7.	SRI RAM DWIVEDI		7
8.	ARPIT PATEL		7
9.	RIDDISHA CHATURVEDI		7
10.	SIMEE GUPTA		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 (m2)	60,705
Ground coverage area	9,677
Green landscaped area on-ground	8,094
Surface parking area	619

Play area that is paved/ concrete on ground	5,630
Play area that has grass on ground	4,047
Service Area on ground	512
Roof and terrace area	18,212
Green cover on exposed roof & terrace	0
Total built up/constructed area	24,282
Total no. of floors	2
Others	912

### 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	107	2	109
Animals	28	0	28

### Task 4: Find out if your school uses pesticides

4

Do you use chemical based pesticides in your school green cover?

Yes

No documents uploaded by the school.



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Shradhdha Sinha	shraddhasinha2611@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	LALOO PRASAD	

#### Students

Sno.	Name	Email	Grade/Class
1.	VIJAY NARAYAN SHUKLA	vijay028shukla@gmail.com	9
2.	GAURAV SHUKLA	prabhashukla83@gmail.com	9
3.	AAYUSHI SINGH BAGHEL	arunpratap.singh@lic.india.com	9
4.	PRACHI MISHRA	dineshkr.mishra12@gmail.com	9
5.	ANKITA DWIVEDI	utkarshdwivedi1251206@gmail.com	9
6.	YASHIKA TIWARI	tiwarianuradha777@gmail.com	8
7.	CHINMAY TIWARI	tiwaripriti71@gmail.com	8
8.	KAVYANJALI TRIPATHI	tripathikalpana906@gmail.com	8
9.	SURYANSH MISHRA	eddie.mishra@gmail.com	7
10.	BHAVYA PATHAK	it_ravita@yahoo.co.in	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	1500
Toilet flushing	2800
Personal cleaning	450
Washing clothes	10

Cooking	10
Cleaning Utensils	10
Washing Vegetables	5
Mopping floors	100
Gardening	400
Total	5285

### 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?

Public Health Engineering Department (PHED)

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?	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?	Yes
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. 20161004\_073010.jpg
2. 20161110\_133720.jpg

## 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?.

No

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

Yes

6(b)(1)(i)

Please share the total number of groundwater recharge structures

1.00

6(b)(1)(ii)

Please tick the type of groundwater recharge structure used in your school:

Recharge pits

6(c)

How much area in your school is harvested?

10 to 20 per cent

6(d)

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

Storage tank

6(e)

Rate your catchment on cleanliness:

Average

**Supporting Documents**

1. 20161117\_074039.jpg
2. 20161117\_073838.jpg

6(f)

Does your school clean your catchment and system (structure?)?

No

6(g)

Does your school monitor the rainwater harvesting structure for its efficiency?

No

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?

Less than a 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)?	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?

20

9 How many hand pumps do you have?

0

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

33

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?

40

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

5

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

### Supporting Documents

1. 20161004\_071713.jpg



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	S N OJHA	ojha.somnath11@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	M S DWIVEDI	

#### Students

Sno.	Name	Email	Grade/Class
1.	AJINTYA		11
2.	ANIL SINGH		11
3.	AMAR SINGH		11
4.	APARNA MISHARA		11
5.	KANU PRIYA		11
6.	NANDINI KARE		11
7.	NEERAJ		11
8.	RITUL		11
9.	SHAILEISH		11
10.	SULEKHA		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. 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	38	0	38	0	0
Playgrounds	7	0	5	1	1
Common area (e.g. reception, corridors)	7	0	6	1	0
Staffroom	1	0	1	0	0
Laboratory	5	0	5	0	0
Canteen	2	0	1	0	1
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	10	0	10	0	0
Others	0	0	0	0	0
Total	72	0	68	2	2

### Supporting Documents

1. IMG\_20161116\_090552.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	30
Kitchen waste	20
Paper	60
Plastic	2
Wood, glass, metal, classroom furniture	70

E-waste	80
Biomedical waste	2
Sanitary waste	16
Construction and Demolition (C & D) waste	20
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	300

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?

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?

Designated dumping site (Dhalao)

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	
VCR or DVD players	0	0	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	6	5	1
Heaters	2	2	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)	124	75	49
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	6	2
Copying equipment (Photocopiers)	7	4	3
Projectors	13	10	3
Whiteboards	4	4	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0		

### Supporting Documents

1. IMG\_20161111\_133828.jpg

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

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?

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?

RAIN WATER HARVESTING SYSTEM AND SOLID WASTE DISPOSABLE SYSTEM

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	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?

60.00

### Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Picture of Canteen selling UPPF
5. Traditional food items sold in canteen
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 types of solid waste generated
11. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
12. Pictures of burning waste
13. Pictures of Electronic items used by school and storage of non-working electronic items
14. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
15. Pictures of respective audit teams doing survey