



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA SIKAR  
**Address:** NH 11, FATEHPUR ROAD ,  
SABALPURA, SIKAR, SIKAR, SIKAR,  
Rajasthan, India  
**Coordinator Name:** Aarti Gajaria



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 SIKAR

2

**Address**

NH 11, FATEHPUR ROAD , SABALPURA, SIKAR, SIKAR, SIKAR, Rajasthan, India

3

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

(ISD) 91 (STD) 1572 (NUMBER) 299469

4

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

(ISD) 91 (Number) 9413588006

5

**Principal Name**

PRAHALAD SINGH

6

**GSP Coordinator Name**

Aarti Gajaria

7

**GSP Coordinator Email**

sgaarti@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9829866614

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	606	373	979
Teachers	25	9	34
Non-Teaching Staff	7	0	7
TOTAL	638	382	1020

4(b)

How many visitors visit your school

10

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?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Smt. Aarti Gajaria	Smt. Aarti Gajaria
2.	Sh. Gopal Kalra	gkalra500@yahoo.in
3.	Sh. S.K. Saini	kvsaini7988@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. Amit Kumar Paliwal	paliwalamit70@gmail.com
2.	Sh. Om Prakash Meena	opmeena1968@gmail.com
3.	Smt. Pankaj	pankajchoudhary31@gmail.com
4.	Sh. Ajay Kumar	ssainiaajay77@rediffmail.com
5.	Smt. Sunita Kumari	sunitakumari150379@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Shivraj Singh	shivrajsingh123@gmail.com	11
2.	Ravi Kumar	ravijakhar1908@gmail.com	11
3.	Shyam Singh	shyamsinghshekhawat@gmail.com	9
4.	Ravi	ravi122002@yahoo.com	11
5.	Aditya Choudhary	123choudharyaditya@gmail.com	9
6.	Naveen Prakash	npj16102001@gmail.com	9
7.	Kavita	vpbadsara@gmail.com	11
8.	Isha Bhardwaj	ishakv19@gmail.com	11
9.	Vishal Doot	vishal19kvsikar@gmail	11
10.	Deepika Shekhawat	dshekhawat679@gmail.com	11

### 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)
IA & B separately	98.00	33.00	33.67
II A & B Separately	98.00	33.00	33.67
IIIA & B Separately	98.00	33.00	33.67
IV A & B Separately	98.00	33.00	33.67
V A & B Separately	98.00	33.00	33.67
VI A & B	98.00	33.00	33.67
VII A & B	98.00	33.00	33.67
VIII A & B	98.00	33.00	33.67
IX A & B	98.00	33.00	33.67
X A & B	98.00	33.00	33.67
TOTAL	980.00	330.00	

### 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	330	5	2	337
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	355	5	0	360

Taxi three-wheeler	130	0	0	130
Personal four-wheeler	0	8	0	8
Personal two-wheeler	15	10	3	28
Bicycle	0	0	0	0
On foot	133	6	2	141
Others (non-motorised)	16	0	0	16
<b>SUB-TOTAL</b>	<b>979</b>	<b>34</b>	<b>7</b>	<b>1020</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?

Yes

No documents uploaded by the school.



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	Sh. Bajrang Singh Shekhawat	bsshekhawat.singhasan@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. B.S. Shekhawat	bsshekhawat.singhasan@gmail.com
2.	Sh. Om Prakash Meena	opmeena1968@gmail.com
3.	Sh. Sher Khan	tpachar@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Shweta	shrirameducation@gmail.com	9
2.	Hitesh Haritwal	mahen.sharma21@yahoo.com	10
3.	Jayant Saini	jayantsaini13@gmail.com	10
4.	Maniya	jeetukumawat@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. 1 001.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)	30	108.00	4
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)	0.0014	0.01	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	30.00	108.01	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	7	1	2
Refrigerator	1	165	2
Microwave	0	0	0
Tube Lights	290	40	1
CFL Bulbs	50	14	1
LED Lights	35	7	1



Fans	240	40	2
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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?

25

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.	Sh. Om Prakash Meena	opmeena1968@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. Ajay Kumar	ssainiajay77@rediffmail.com
2.	Sh. S.K. Saini	kvsaini7988@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Garima Poonia	preranapoonia12@gmail.com	10
2.	Aditya	ssainiajay77@rediffmail.com	10
3.	Ashish Kumar	ashishpargara14@gmail.com	9
4.	Harshit	hsjatboy@gmail.com	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

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?

100.00

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?

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

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Sh. N.L. Soni	nlsoni62@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. Om Prakash Meena	opmeena1968@gmail.com
2.	Sh. TaraChand Pachar	tpachar@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Monika	gsampmonika@gmail.com	10
2.	Himani	himani2805@yahoo.com	10
3.	Nischal Khetan	nischalkhetan2001@gmail.com	10
4.	Ronak Mahan	anitamahan81@gmail.com	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 (m2)	60,000
Ground coverage area	12,000
Green landscaped area on-ground	20,500
Surface parking area	280
Play area that is paved/ concrete on ground	15,050
Play area that has grass on ground	1,500
Service Area on ground	0
Roof and terrace area	12,000

Green cover on exposed roof & terrace	0
Total built up/constructed area	24,000
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	15	8	23
Animals	13	10	23

### 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.	Sh. Suresh Kumar Saini	kvsaini7988@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. Pawan Khandal	parthpawanjp@gmail.com
2.	Sh. Sher Khan	tpachar@yahoo.com
3.		

#### Students

Sno.	Name	Email	Grade/Class
1.	Akash Garhwal	akash13garhwal@gmail.com	11
2.	Priyanka Shekhawat	babusinghratore@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	3500
Toilet flushing	4600
Personal cleaning	1500
Washing clothes	0
Cooking	0
Cleaning Utensils	5
Washing Vegetables	0
Mopping floors	50
Gardening	4000

Total	13655
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### 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

19-24 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?	Yes
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)	Yes



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?

Rooftop + Paved + Unpaved

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

No

6(c)

How much area in your school is harvested?

71 to 80 per cent

6(d)

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

Gutters

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?

Do not follow any such pattern

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?

Do not follow any such pattern

6(h) What is the trend of groundwater level in your school across the year?

If there was a decrease, please specify

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

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?

15

9 How many hand pumps do you have?

0

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

25

11

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

	Girls	Boys	Common	Total
Number of toilets	16	16	3	35

12

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

24

13

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

7

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

More than 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

Used for gardening and horticulture

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Sh. S.C. Jat	scjat1962@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sh. Veer Singh Meena	veer3181@gmail.com
2.	Sh. Subhash Chand	chandra8880@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Anju Bala	vdsigar@gmail.com	10
2.	Kumari Lata	sunitamahla0@gmail.com	10
3.	Sumit Kumar	jayantsaini13@yahoo.com	10
4.	Vishal	vishalkumarkvsikar@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	24	0	24	0	0
Playgrounds	5	0	5	0	0

Common area (e.g. reception, corridors)	6	0	6	0	0
Staffroom	2	0	2	0	0
Laboratory	10	0	10	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	0	0	1
Toilets	12	0	12	0	0
Others	2	0	2	0	0
Total	63	0	62	0	1

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	20
Kitchen waste	0
Paper	2
Plastic	.5
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	22.5

No documents uploaded by the school.

#### Task 4: How much waste does your school recycle/treat?

4 Does your school recycle any generated waste?

Yes

4a Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	20
Kitchen waste	0
Paper	2
Plastic	.5
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	22.5

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)?

75.00

5c

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

For school garden

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	2	2	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	7	7	0
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)	65	65	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	30	30	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	5	5	0
Projectors	4	4	0
Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0



Pocket & desk calculators	5	5	0
Fax machines	2	2	0
Telex	0	0	0
Telephones	1	1	0
Pay telephones	0	0	0
Mobiles	1	1	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?

No

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?

we have sufficient specialization.

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?

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?

52.00

**Checklist of uploaded documents**

1. Electricity Bill