

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA

Address: NO. 1 AFS, SURATGARH,

SURATGARH, SRI GANGANAGAR,

Rajasthan, India

Coordinator Name: SUKHPAL SINGH



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

Name of the School / Institu	tion
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KENDRIYA VIDYALAYA

2 Address

NO. 1 AFS, SURATGARH, SURATGARH, SRI GANGANAGAR, Rajasthan, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 1509 (NUMBER) 270333

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9413210832

5 Principal Name

M. S. RATHORE

6 GSP Coordinator Name

SUKHPAL SINGH

GSP Coordinator Email

sukhpal1313@rediffmail.com

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9166545415

Category Of The School

Day Scholar

School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:12

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	359	255	614
Teachers	24	11	35
Non-Teaching Staff	4	0	4
TOTAL	387	266	653

4(b) How many visitors visit your school

310

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

220

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

Oct, Nov

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Manish Soni	Manish Soni
2.	Malkit Kaur	kaur.malkit33@gmail.com

Administrative staff

Sno.	Name	Email
1.	Girdhari Lal	girdharikv@rediff.com

Students

Sno.	Name	Email	Grade/Class
1.	Gunjan Ojha	gunjan_0@rediffmail.com	11
2.	Ayushi Sharma	ayushisharmaxviii@gmail.com	11
3.	Eshna Mukherjee	mia.eshna@gmail.com	11

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

How many classrooms does your school have?

21

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)
-1	552.00	117.00	21.20
II	552.00	117.00	21.20
III	552.00	117.00	21.20
IV	552.00	117.00	21.20
V	552.00	117.00	21.20
VI A	552.00	117.00	21.20

VII A	552.00	117.00	21.20
VIII A	552.00	117.00	21.20
IX A	552.00	117.00	21.20
ΧA	552.00	117.00	21.20
TOTAL	5,520.00	1,170.00	

Task 3: How eco-friendly are the vehicles in your school?

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?

How many members of the school community use each type of transport:

	Students	Teaching Staff	Non Teaching Staff	Total
Schoool Bus	265	0	0	265
Public Bus	0	4	0	4
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	2	0	2
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	48	0	0	48
Personal four-wheeler	0	2	0	2
Personal two-wheeler	0	11	3	14
Bicycle	222	0	0	222
On foot	79	16	1	96
Others (non-motorised)	0	0	0	0
SUB-TOTAL	614	35	4	653

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

How many students suffer from respiratory ailments?

0

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

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.	Gyan Chand	gyanc39@gmail.com
2.	R. R. Mali	ramsaini02@gmail.com

Administrative staff

Sno.	Name	Email
1.	Nanu Ram	kv1sog@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Prince Dhaka	bbprincirolyforever@gmail.com	11
2.	Abhishek Dhayal	abhisheksinghdhayal.03@gmail.com	11
3.	Rajat Sharma	rajat259854@gmail.com	11

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ElectBill.jpg

Does your school have its own vehicles?

No

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)	2720	9792.00	1,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	4.6	214.82	2
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	2724.60	10006.82	

Supporting Documents

- 1. Petrol_Bill.jpg
- 2. ElectBill.jpg

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	5	1.5	3
Refrigerator	1	190	5
Microwave	0	0	0
Tube Lights	80	36	2
CFL Bulbs	80	11	3

LED Lights	0	0	4
Fans	165	80	3

Supporting Documents

1. Ref_5star.jpg

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

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

6

Are there any alternate sources of energy employed/installed in your school?

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Manish Soni	manishsoni78@yahoo.com
2.	N. K. Yadav	nkyadav25s@gmail.com

Administrative staff

Sno.	Name	Email
1.	Bharat Singh	kv1sog@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Harsh Shirsat	harsh23092000@gmail.com	11
2.	Abdul Kamran	abdulkamra23@gmail.com	11
3.	Akhil Baid	akhilbaid505@gmail.com	11

Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

Does your school serve midday meals?

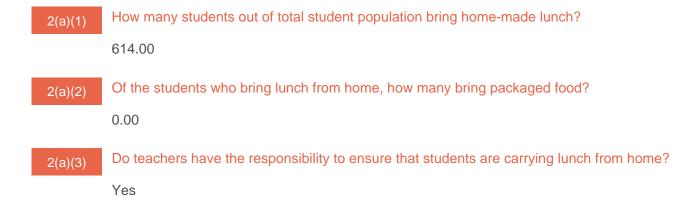
No

Do students bring their own lunch from home?

Yes

Supporting Documents

- 1. Food_chk.jpg
- 2. Food_Primary.jpg
- 3. Food1.jpg
- 4. Food2.jpg
- 5. Food1.jpg



Task 3: What kind of food is served/sold in your school

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.



Task 4: What kind of food does your school promote?

Does the school distribute packaged food items as rewards during schools events?

No

No

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

No

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

No

Supporting Documents

- 1. Food_chk1.jpg
- 2. food_chk2.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Vikram solanki	Vikramsolanki8588@gmail.com
2.	Sukhpal Singh	sukhpal1313@redifmail.com

Administrative staff

Sno.	Name	Email
1.	H. S. Gurjar	hsgurjar456@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Abhishek Singh	avjunrdo@gmail.com	11
2.	Suddhanshu	s.ranjan0304@gmail.com	11
3.	Pranay Dwivedi	pranaydwivedi32@gmail.com	11

Task 2: Measure the four critical areas of your school campus

Complete the table:

Roof and terrace area

	Your school's area
Site area in square meter (m2)	24,281
Ground coverage area	2,009
Green landscaped area on-ground	9,740
Surface parking area	100
Play area that is paved/ concrete on ground	2,504
Play area that has grass on ground	5,100
Service Area on ground	1,645

2,009

Green cover on exposed roof & terrace	0
Total built up/constructed area	3,000
Total no. of floors	2
Others	1,645

Task 3: Explore the number of species of plants and animals in your school

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	67	0	67
Animals	22	1	23

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. green.JPG
- 2. gate1.JPG
- 3. green1.JPG
- 4. Build.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Prakash Singh	prakashsingh63f@gmail.com
2.	Laxmi Narayan	laxminarayan32@gmail.com

Administrative staff

Sno.	Name	Email
1.	H. S. Gurjar	hsgurjar456@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Harsh Shirsat	harsh23092000@gmail.com	11
2.	Abdul Kamran	abdulkamran23@gmail.com	11
3.	Affan	affu10cgpa@gmail.com	11

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	3000
Toilet flushing	800
Personal cleaning	100
Washing clothes	0
Cooking	0
Cleaning Utensils	10
Washing Vegetables	0
Mopping floors	50

Gardening	2000
Total	5960

Task 3: What are the sources, supply and storage of water in your school

Where does the water your school uses, come from?

Ground water, Recycled waste water

Who supplies the water in your school?

Public Health Engineering Department (PHED)

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?

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?	No

Yes

Supporting Documents

- 1. Urinal.jpg
- 2. toilet_gate.JPG
- 3. Water_Bot2.jpg
- 4. Kaner_Plant.jpg

Task 5: Does your school harvest rainwater?

Do you have Rainwater harvesting (RWH) system in your school?

No

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

680

Task 6: Are the plumbing and sanitation facilities in your school adequate?

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

How many hand pumps do you have?

0

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

19

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

	Girls	Boys	Common	Total
Number of toilets	9	9	0	18

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

29

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

4

ls there a water storage system in place to supply water in the toilets?

Yes

ls the water supply sufficient?

Yes

Are the toilets cleaned?

Yes

16(a) If yes, please specify

Twice a day

Task 7: Does your school reuse/recycle waste water?

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Used for gardening and horticulture

Supporting Documents

1. plan.jpg



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email	
1.	Gurmail Singh	gkskamboj25@gmail.com	
2.	Manish Soni	manishsoni78@yahoo.com	

Administrative staff

Sno.	Name	Email
1.	H. S. Gurjar	hsgurjar456@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akash Kumar	akash200007@gmail.com	11
2.	Sunderpal bishnoi	Sunderpalbishnoi0029@gmail.com	11
3.	Nitesh Somani	niteshsomani21@gmail.com	11
4.	Nitin Kumar	nitinkumar7112@gmail.com	11

Task 2: What is the waste segregation system in your school?

Does your school segregate solid waste?

Yes

Who segregates the waste at source?

- 1. Housekeeping (Sweeper)
- 2. Gardener
 - Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	21	0	21	0	0

Playgrounds	5	0	3	1	1
Common area (e.g. reception, corridors)	8	0	8	0	0
Staffroom	1	0	0	1	0
Laboratory	7	0	5	2	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	0	1	0
Library	1	0	0	1	0
Toilets	10	0	10	0	0
Others	2	0	1	1	0
Total	56	0	48	7	1

Supporting Documents

- 1. Dust_class.jpg
- 2. 3-Dustbin.jpg
- 3. MI1.jpg

Task 3: How much waste does your school generate?

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	90
Kitchen waste	.25
Paper	10
Plastic	2
Wood, glass, metal, classroom furniture	.4
E-waste	0
Biomedical waste	.2
Sanitary waste	2

Construction and Demolition (C & D) waste	0
Hazardous waste	.1
Total Generated Solid Waste (in kilogram)	104.95

Supporting Documents

- 1. waste_weight.jpg
- 2. 3-Dustbin.jpg
- 3. garbage_Collect.JPG
- 4. Waste-Sepr.JPG

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

Does your school recycle any generated waste?

Yes

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

	Quantity
Garden/ horticulture waste	70
Kitchen waste	.25
Paper	6
Plastic	0
Wood, glass, metal, classroom furniture	.35
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	76.6

Does your school have a composting facility?

Yes

Supporting Documents

1. Ferti.jpg

5a What is the methodology used?

Natural composting without added microbes

What is the quantity of compost that is generated per month(in kilogram)?

20.00

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

For school garden

Does your school encourage students & teachers to reuse textbooks?

Yes

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)









Supporting Documents

1. Ferti.jpg

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)

Supporting Documents

1. garbage_R.jpg

9 Does your school burn waste?

No

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	1	1	0
Washing machines	0	0	0
Air conditioners	5	5	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0

Personal computers (CPU, mouse, screen and keyboard included)	71	71	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	4	4	0
Projectors	4	4	0
Whiteboards	3	3	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	3	3	0

Supporting Documents

- 1. Comp%2BLab.jpg
- 2. TV_LED.jpg
- 3. Ref_5star.jpg

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

No documents uploaded by the school.

Who collects your e-waste, when not in working condition?

Authorised dealer

Task 6: School's initiatives

Does the school have a policy on waste?

No

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

Supporting Documents

- 1. Paint_stud_Sw.jpg
- 2. Paint_Stud2.jpg
- 3. Paint_Gallery.jpg
- 4. Rally.JPG
- 5. SW_RI.JPG

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. Weig_Recy.jpg



FEEDBACK

Has your school participated in the Green Schools Programme (GSP) Audit before?

Yes

1(a) If yes, then in which year did your school first participate in the GSP Audit?

2015

1(b) If yes, how many times have you done the audit?

1

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

No

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

What would be the help required to make your school a Green School?

Weather Condition is extremely hot and cold during summer and winter respectively . During rainy season it rains too less in this area.

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

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Could you finish all the tasks in given period of time online?

Yes

How many times did you contact the Green Schools Programme Team for guidance and counseling?

More than twice

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

Did your students enjoy doing the Water activities?

Yes

How many students were involved in the activities?

15.00

Checklist of uploaded documents

- 1. Fuel Bills
- 2. Electricity Bill
- 3. Picture of 5 star appliances used by school
- 4. Photographs of lunch boxes
- 5. Pictures of Green Cover
- 6. Pictures of landscaped area
- 7. Pictures of dustbins in classroom showing segregation at source
- 8. Pictures of playground with more than two dustbins
- 9. Picture of audit team weighing solid waste
- 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 housekeeping staff disposing different types of solid 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