



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** kendriya vidyalaya ratlam  
**Address:** sagod road, post bibrod, ratlam, ratlam,  
Madhya Pradesh, India  
**Coordinator Name:** Rishi raj Jangid



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 ratlam

2

**Address**

sagod road, post bibrod, ratlam, ratlam, Madhya Pradesh, India

3

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

(ISD) 91 (STD) 7412 (NUMBER) 234453

4

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

(ISD) 91 (Number) 9826581137

5

**Principal Name**

A K SINGH

6

**GSP Coordinator Name**

Rishi raj Jangid

7

**GSP Coordinator Email**

rishirajjangid@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9993541020

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:12

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	580	476	1056
Teachers	16	17	33
Non-Teaching Staff	6	0	6
TOTAL	602	493	1095

4(b)

How many visitors visit your school

300

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?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	S.C. SONKAR	S.C. SONKAR
2.	H.L.KHANDELWAL	kvrtm1@yahoo.com
3.	R.L.MEENA	meenaramlal85@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	A K SINGH	aks10273@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	JAYESH DARWI	jayeshdarwi90@gmail.com	11
2.	JAY WAGHELA	waghelaj03@gmail.com	11
3.	VINIT SHARMA	monu25658@gmail.com	11
4.	SATYANSH OJHA	ojhasatyansh@gmail.com	10
5.	RISHIKA CHOUHAN	chouhanrishika98@gmail.com	10
6.	SHRISHTI MEENA	meenashrishti1452@gmail.com	10

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

1

How many classrooms does your school have?

28

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)
I A	55.00	33.00	60.00
I B	55.00	33.00	60.00
II A	55.00	33.00	60.00

II B	55.00	33.00	60.00
III A	55.00	33.00	60.00
III B	55.00	33.00	60.00
IV A	55.00	33.00	60.00
IV B	55.00	33.00	60.00
V A	55.00	33.00	60.00
V B	55.00	33.00	60.00
<b>TOTAL</b>	<b>550.00</b>	<b>330.00</b>	

### 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	600	2	0	602
Taxi three-wheeler	350	5	0	355
Personal four-wheeler	6	3	0	9
Personal two-wheeler	45	20	2	67
Bicycle	50	0	0	50
On foot	4	4	4	12
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1055	34	6	1095
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### Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

3

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.	RAM LAL MEENA	meenaramlal85@gmail.com
2.	R R JANGID	rishirajjangid@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	L L MEENA	llmeenaraj.com@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	VANSH PANWAR	vanshpanwar09@rediffmail.com	7
2.	KARAN CHHIPA	karanchhipa12345@gmail.com	7
3.	CHHAVI SINGH	kvrtn1@yahoo.com	11
4.	YUVRAJ SINGH JADON	kvrtn1@yahoo.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. Bill.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
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Electricity from the board (kwh)	1971	7095.60	1,5
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)	14	722.40	5
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>1985.00</b>	<b>7818.00</b>	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	2	2
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	140	40	0
CFL Bulbs	20	24	0
LED Lights	0	0	0
Fans	150	80	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.	DR LAXMI MOURYA	kvrtm1@yahoo.com
2.	SHARDA DEPAN	kvrtm1@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	J K ACHARYA	jitetgargi@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	DIYA RANKWA	kvrtm1@yahoo.com	10
2.	RICHA VERMA	kvrtm1@yahoo.com	10
3.	RAJ PUROHIT	kvrtm1@yahoo.com	10

### 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. LUNCH.jpg

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

1055.00

2(a)(2)

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

50.00

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?

Yes

7(a)

Please provide the names?

Biscuits/Chocolates

8

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

No

**Supporting Documents**

1. lunch2.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	RASHMI SHARMA	shalu9020@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	D K SAMEER	dilipkumar.sameer@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	DEEPAK CHOUDHARY	deepakchoudhary7311@gmail.com	10
2.	TUSHAR PUROHIT	purohit.tushar3000@gmail.com	10
3.	KSHITIJ VYAS	kshitijvyasrtm@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 (m <sup>2</sup> )	65,935
Ground coverage area	64,189
Green landscaped area on-ground	21,182
Surface parking area	185
Play area that is paved/ concrete on ground	400
Play area that has grass on ground	600
Service Area on ground	200
Roof and terrace area	1,313
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,481

Total no. of floors	3
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	30	10	40
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. DSC04950.JPG
2. DSC04920.JPG
3. DSCN0137.JPG
4. WP\_20160720\_07\_37\_43\_Pro.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	SOMLA BHURIYA	smb1985@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	S.K.DWIVEDI	dwivedisk1959@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	AKANSHA KATARA	kvrtm1@yahoo.com	10
2.	MITALI VYAS	kvrtm1@yahoo.com	9
3.	ARPIT JAIN	kvrtm1@yahoo.com	9

### 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	1400
Toilet flushing	700
Personal cleaning	100
Washing clothes	1800
Cooking	400
Cleaning Utensils	600
Washing Vegetables	200
Mopping floors	300
Gardening	3000

Total	8500
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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?

Private supplier, 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?	No
Do the drinking water points have spill proof taps to check overflow?	No
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



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).

104944

### 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?

20

9

How many hand pumps do you have?

0

10

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

120

11

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

	Girls	Boys	Common	Total
Number of toilets	24	24	0	48

12

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

48

13

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

10

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

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	MANRAJ MEENA	mmanraj77@yahoo.com
2.	RAVIKANT TRIVEDI	kvrtm1@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	D K SAMEER	dilipkumar.sameer@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	AAKASH SINGH	kvrtm1@yahoo.com	10
2.	DEEPANSHU SHARMA	kvrtm1@yahoo.com	11
3.	RISHABH CHHATTAR	kvrtm1@yahoo.com	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. 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	28	0	28	0	0
Playgrounds	2	0	0	0	2
Common area (e.g. reception, corridors)	1	0	0	1	0

Staffroom	1	0	1	0	0
Laboratory	5	0	5	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	12	0	12	0	0
Others	0	0	0	0	0
Total	51	0	48	1	2

### Supporting Documents

1. IMG\_20161118\_082328.jpg
2. IMG\_20161118\_082525.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	1500
Kitchen waste	100
Paper	60
Plastic	40
Wood, glass, metal, classroom furniture	15
E-waste	.5
Biomedical waste	1
Sanitary waste	5
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1731.5

### Supporting Documents

1. IMG\_20161118\_075153.jpg
2. IMG\_20161118\_075156.jpg
3. IMG\_20161118\_075215.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?

Yes

### Supporting Documents

1. IMG\_20161118\_075218.jpg

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)?

1,500.00

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)	✗	✗	✓	✗

### Supporting Documents

1. ewaste.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. IMG\_20161118\_082336.jpg

9

Does your school burn waste?

Yes

### Supporting Documents

1. IMG\_20161118\_082728.jpg
2. IMG\_20161118\_082727.jpg

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPlasticPaper

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	1	1	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	2	2	0
Heaters	1	1	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)	77	77	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	9	9	0
Copying equipment (Photocopiers)	3	3	0
Projectors	7	6	1
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0

Fax machines	1	0	1
Telex	0	0	0
Telephones	7	7	0
Pay telephones	1	0	1
Mobiles	0	0	0
Answering systems	1	1	0

### Supporting Documents

1. DSC03364.JPG

11

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

Yes

### Supporting Documents

1. ewaster certificate.jpg

11a

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

Authorised dealer

## 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

### Supporting Documents

1. IMG\_20160908\_120746.jpg
2. essay1.jpg
3. sw 019.JPG
4. DSCN0335.JPG



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

### Supporting Documents

1. IMG\_20161118\_075215.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?

Solar panel to be installed and a well planned roof top water harvesting system required.

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?

10.00

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
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. Picture of types of solid waste generated
9. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of burning waste
12. Pictures of Electronic items used by school and storage of non-working electronic items
13. Certificate of disposing e-waste from authorised dealer/dismantler
14. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
15. Pictures of respective audit teams doing survey