

# Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA BEAWAR

Address: NH 8 UDAIPUR ROAD, SINGHARIA

ROAD BEAWAR, BEAWAR, Ajmer,

Rajasthan, India

Coordinator Name: PUKH RAJ



## 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**

KENDRIYA VIDYALAYA BEAWAR

2 Address

NH 8 UDAIPUR ROAD, SINGHARIA ROAD BEAWAR, BEAWAR, Ajmer, Rajasthan, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 1462 (NUMBER) 223723

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9460100454

5 Principal Name

RAJESH KANTHARIA

6 GSP Coordinator Name

**PUKH RAJ** 

GSP Coordinator Email

vaishnavpukhraj@yahoo.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 8349891202

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	378	257	635
Teachers	18	9	27
Non-Teaching Staff	2	1	3
TOTAL	398	267	665

4(b) How many visitors visit your school

10

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

270

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

Nov

Where is the school located?

Urban Area



### Task 1: Air Audit Team

### **Teachers**

Sno.	Name	Email
1.	Rajendra	Rajendra
2.	Pukhraj	vaishnavpukhrak@yahoo.com
3.	Manoj Sharma	mann198015@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.comso
3.	Shyam lal	shyamlalghawary@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	RUPIN	newkvbeawar@rediffmail.com	12
2.	HARISH	newkvbeawar@rediffmail.com	12
3.	PRACHI	PRACHIMUNOT1999@GMAIL.COM	11
4.	AJAY RAJ	newkvbeawar@rediffmail.com	11

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

How many classrooms does your school have?

14

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	52.50	30.00	57.14
II	52.50	30.00	57.14
III	52.50	30.00	57.14

VI	52.50	30.00	57.14
VII	52.50	30.00	57.14
VIII	52.50	30.00	57.14
IX	52.50	30.00	57.14
X	52.50	30.00	57.14
XII SCIENCE	52.50	30.00	57.14
XII COMMERCE	52.50	30.00	57.14
TOTAL	525.00	300.00	

## 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	50	0	0	50
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	0	0	30
Taxi three-wheeler	505	0	0	505
Personal four-wheeler	17	4	0	21
Personal two-wheeler	10	10	3	23
Bicycle	8	0	0	8
On foot	19	8	1	28
Others (non-motorised)	0	0	0	0

SUB-TOTAL 639 22 4 665

## 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.

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.	Achleshwar sankhla	achleshwarsankhla@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.com
3.	Shyam lal	shyamlalghawary@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Kanika Sehgal	sehgalkanika25@gmail.com	12
2.	Ranvir	07ranvirhpanwar@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. IMG-20161118-WA0014.jpg
- 2. IMG-20161118-WA0014.jpg
  - Does your school have its own vehicles?

No

Provide the details of total energy consumed by the school

	gy consumed in Type of egajoules (MJ) use
--	-------------------------------------------

Electricity from the board (kwh)	4717	16981.20	0
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	4717.00	16981.20	

No documents uploaded by the school.

# What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	8	1.65	5
Refrigerator	1	180	5
Microwave	1	5	5
Tube Lights	352	60	5
CFL Bulbs	18	40	5
LED Lights	12	10	5
Fans	128	78	5

### **Supporting Documents**

- 1. DSCF6105.JPG
- 2. DSCF6106.JPG
- 3. DSCF6107.JPG
- 4. DSCF6116.JPG
- 5. DSCF6117.JPG

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

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

325

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.	Sunil Saini	sunil2108@yahoo.com
2.	Ranjeet Singh Chouhan	.com@yaho
3.	Dinesh Kashyap	dineshkashyaptgtenglish@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.com

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Divyam Kashyap	newkvbeawar@rediffmail.com	8
2.	Dharmesh	newkvbeawar@rediffmail.com	5
3.	Priyanka	newkvbeawar@rediffmail.com	5
4.	Poonam Kumari	newkvbeawar@rediffmail.com	4

# 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. DSCF6089.JPG
- 2. IMG\_20161117\_095545.jpg

- 3. IMG\_20161117\_095603.jpg
- 4. IMG\_20161117\_095941.jpg
- 5. IMG\_20161117\_100042.jpg

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

636.00

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

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.

Does your school serve traditional Indian snacks?

No

Does your school serve traditional Indian beverages?

No

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

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

Yes

6(a) Please provide details

Biscuit distributed during event

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. DSCN0485.JPG
- 2. DSCF6112.JPG



## **Task 1: Land Audit Team**

### **Teachers**

Sno.	Name	Email
1.	K K Saini	kamalksaini@hotmail.com
2.	Pukhraj	vaishnavpukhraj@yaho.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.com
3.	Shyam lal	shyamlalghawary@gmail.com

### Students

Sno.	Name	Email	Grade/Class
1.	Abhishek Singh	abhisheksingh0123@gmail.com	8
2.	Shivangini Rathore	ashwaryarathore19@gmail.com	8
3.	Rohan Singh	singhrohan509@yahoo.com	8
4.	Anita Kanwar	balwant98year@gmail.com	11
5.	Bhanwar Singh	sanjaybeawar95@gmail.com	11

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

Complete the table:

	Your school's area
Site area in square meter (m2)	60,700
Ground coverage area	10,000
Green landscaped area on-ground	15,000
Surface parking area	0
Play area that is paved/ concrete on ground	5,000
Play area that has grass on ground	10,000

Service Area on ground	10,000
Roof and terrace area	2,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,000
Total no. of floors	2
Others	0

# 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	1924	14	1938
Animals	0	0	0

# Task 4: Find out if your school uses pesticides

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

No

### **Supporting Documents**

- 1. DSCF6121.JPG
- 2. DSCF6122.JPG
- 3. DSCF6123.JPG



# WATER

# **Task 1: Water Audit Team**

### **Teachers**

Sno.	Name	Email
1.	Vasudev	vasudevkushwah@yaho.in
2.	Dinesh Verma	dinesh_soni27@yahoo.com
3.	Pukhraj	vaishnavpukhraj@uahoo.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.com
3.	Shyam lal	shyamlalghawary@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Lokesh Vikram Dadheech	dadheechrc@gmail.com	10
2.	Kritika Prajapati	kajalkaju98700@gmail.com	10
3.	Charu Kothari	charucharu220@gmail.com	10
4.	Gareema Panwar	kiranpanwar2612@gmail.com	10
5.	Shivraj Singh	shivrajsingh891@gmail.com	9
6.	Rajendra Singh	07ranvirsingh@gmail.com	9
7.	Lalit Kishore	lalitkishore@gmail.com	9
8.	Sunil Singh	sunilsingh2022@gmail.com	9
9.	Aditya Chauhan	aadi8033380@gmail.com	9
10.	Sumeet Pal	sughansingh8956@gmail.com	9

# Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	800

Toilet flushing	1000
Personal cleaning	100
Washing clothes	0
Cooking	0
Cleaning Utensils	50
Washing Vegetables	0
Mopping floors	50
Gardening	1000
Total	3000

## 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

Who supplies the water in your school?

Private supplier

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?	No
Does your school use a drip or irrigation system?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

### **Supporting Documents**

- 1. garden.jpg
- 2. DSCN0488.JPG

## Task 5: Does your school harvest rainwater?

Do you have Rainwater harvesting (RWH) system in your school? Yes Does your school harvest different catchments?.

No

How does your school harvest rainwater?

By recharging groundwater

Does your school have groundwater recharge structure? 6(b)(1)

Yes

Please share the total number of groundwater recharge structures 6(b)(1)(i)

1.00

Please tick the type of groundwater recharge structure used in your school: 6(b)(1)(ii)

Percolation pit/tank

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 Recharge structure
6(e)	Rate your catchment on cleanliness:
	Good

### **Supporting Documents**

- 1. DSCF6097.JPG
- 2. DSCF6104.JPG

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?
	Pre-monsoon
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?
	Post-monsoon
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?
	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?

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 drinking water taps do you have?

20

9 How many hand pumps do you have?

0

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

10

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

	Girls	Boys	Common	Total
Number of toilets	3	3	1	7

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

20

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

0

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

Yes

ls the water supply sufficient?

Yes



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

Does your school treat wastewater?

Yes

Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Used for groundwater recharge

### **Supporting Documents**

1. DSCN0488.JPG



### **Task 1: Waste Audit Team**

### **Teachers**

Sno.	Name	Email
1.	Pukhraj	vaishnavpukhraj@yahoo.com
2.	Devki Nandan Sharma	dnsnokiapl@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	R L Sharma	vermarl1965@rediffmail.com
2.	Sonal Sehgal	sonalsehgal@yahoo.com
3.	Shyam lal	shyamlalghawary@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Mukund vaishnav	vaishnavmukund02@gmail.com	7
2.	Irfan	newkvbeawar@rediffmail.com	7
3.	Kritika	newkvbeawar@rediffmail.com	10
4.	Nikitisha	newkvbeawar@rediffmail.com	10
5.	Tushita	newkvbeawar@rediffmail.com	10

# 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. Students and teachers
- 2. Housekeeping (Sweeper)

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	2	0	1	0	1
Playgrounds	7	0	1	6	0
Common area (e.g. reception, corridors)	6	0	0	6	0
Staffroom	3	0	1	2	0
Laboratory	11	0	3	6	2
Canteen	0	0	0	0	0
Clinic/ Sick room	4	0	1	2	1
Library	1	0	1	0	0
Toilets	4	0	3	0	1
Others	5	1	2	0	2
Total	43	1	13	22	7

## **Supporting Documents**

- 1. big\_26\_244.jpg
- 2. DSCF6104.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	80
Kitchen waste	2
Paper	10
Plastic	0
Wood, glass, metal, classroom furniture	6
E-waste	0

Biomedical waste	1
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	99

### **Supporting Documents**

1. DSCF6092.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	60
Kitchen waste	0
Paper	6
Plastic	0
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	71

Does your school have a composting facility?

Yes

### **Supporting Documents**

- 1. DSCN0503.JPG
- 2. DSCN0511.JPG
- 3. DSCN0516.JPG

5a	What is	the	methodo	logy	used?
----	---------	-----	---------	------	-------

Natural composting without added microbes

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

30.00

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	×	×	×	<b>✓</b>
E-waste (e.g. broken, unusable computers)	×	<b>✓</b>	×	×
Hazardous waste (e.g. diesel fuel, battery)	×	<b>✓</b>	×	×
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. DSCF6097.JPG
- 2. DSCF6101.JPG

### Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Landfill Site

### **Supporting Documents**

1. DSCF6100.JPG

9

Does your school burn waste?

Yes

### **Supporting Documents**

- 1. DSCF6102.JPG
- 2. DSCF6103.JPG

9a Where does your school burn waste?

Outside the school

What kind of waste is being burnt/ incinerated?

Paper

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	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	8	8	0
Heaters	0	0	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	45	40	5
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	4	0
Copying equipment (Photocopiers)	2	2	0
Projectors	4	4	0
Whiteboards	4	4	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	1	0	1
Telex	1	1	0
Telephones	14	14	0
Pay telephones	0	0	0
Mobiles	0	0	0
Mobileo			

Supporting Document
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- 1. DSCF6107.JPG
- 2. DSCF6108.JPG
- 3. DSCF6118.JPG
- 4. DSCF6109.JPG

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?

Yes

### Policy document

13

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

Yes

### **Supporting Documents**

- 1. big\_24\_252.jpg
- 2. big\_24\_254.jpg
- 3. big\_24\_255.jpg
- 4. big\_24\_253.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. DSCN0491.JPG



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

No

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?

Conducting seminars

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?

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?

### **Checklist of uploaded documents**

30.00

- 1. Electricity Bill
- 2. Picture of 5 star appliances used by school
- 3. Picture of Renewable sources of Energy
- 4. Photographs of lunch boxes
- 5. Pictures of landscaped area
- 6. Building construction plan
- 7. Pictures of dustbins in classroom showing segregation at source
- 8. Pictures of playground with more than two dustbins
- 9. Pictures of housekeeping staff disposing different types of solid waste
- 10. Pictures of burning waste
- 11. Pictures of Electronic items used by school and storage of non-working electronic items