

# Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA KHANDWA

Address: Civil lines, Harsood Naka Khandwa,

khandwa, khandwa, Madhya Pradesh,

India

Coordinator Name: Mr A Bhatt



## 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 KHANDWA

2 Address

Civil lines, Harsood Naka Khandwa, khandwa, khandwa, Madhya Pradesh, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0733 (NUMBER) 2222375

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9826358841

5 Principal Name

Mr P Deshmukh

6 GSP Coordinator Name

Mr A Bhatt

GSP Coordinator Email

abhatt9471@yahoo.in

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9425670515

Gategory 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	787	593	1380
Teachers	20	29	49
Non-Teaching Staff	09	02	11
TOTAL	816	624	1440

4(b) How many visitors visit your school

500

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

230

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

Oct

Where is the school located?

Urban Area



# Task 1: Air Audit Team

### **Teachers**

Sno.	Sno. Name Email	
1.	Mr.P.Deshmukh	Mr.P.Deshmukh
2.	Mrs.P.Tiwari	pkarlekartiwari@gmail.com
3.	Mr.A.Bhatt	abhatt9471@yahoo.in

### **Administrative staff**

Sno.	Name	Email
1.	Mr.P.Deshmukh	principalkvknw@gmail.com
2.	Mr.P.Soni	purushottem.soni@yahoo.co.in
3.	Mrs.Geeta Sharma	sharmageeta64@gmail.com
4.	Mr.S.Panchonia	spanchonia1978@gmail.com
5.	Mr.A.Sonwane	ajaysonwane51@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Swapnil Pandey	swapnilpandey871@yahoo.com	12
2.	Ashwin Malani	ashwinmalani13@gmail.com	12
3.	Wafiya Khan	wafiyakhan024@gmail.com	12
4.	Rahul Kanare	rkanare6@gmail.com	12
5.	Monika Balot	monikabalot19.17@gmail.com	12
6.	Amogh Sharma	sharma.amogh1998@gmail.com	12
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8.	Suyog Barole	suyogbarole24@gmail.com	12
9.	Amit Shukla	amitshukla123@gmail.com	12
10.	Nandini Goalkar	ngolkar@gmail.com	12

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

1

How many classrooms does your school have?

#### 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	90.00	27.00	30.00
II	90.00	27.00	30.00
III	90.00	27.00	30.00
IV	90.00	27.00	30.00
V	90.00	27.00	30.00
VI	90.00	27.00	30.00
VII	90.00	27.00	30.00
VIII	90.00	27.00	30.00
IX	90.00	27.00	30.00
Χ	90.00	27.00	30.00
TOTAL	900.00	270.00	

# 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	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	450	0	0	450

Taxi three-wheeler	133	0	0	133
Personal four-wheeler	0	0	0	0
Personal two-wheeler	0	28	11	39
Bicycle	568	0	0	568
On foot	229	21	0	250
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1380	49	11	1440

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



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?

No



# **Task 1: Energy Audit Team**

### **Teachers**

Sno.	Name	Email
1.	Mr.P.Deshmukh	principalkvknw@gmail.com
2.	Mrs.P.Tiwari	pkarlekartiwari@gmail.com
3.	Mr.A.Bhatt	abhatt9471@yahoo.in

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9.	Amit Shukla	amitshukla123@gmail.com	12
10.	Nandini Goalkar	ngolkar@gmail.com	12

# Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

1. ELE BILL.pdf

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)	52	187.20	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	52.00	187.20	

No documents uploaded by the school.

	Number	Size	BEE Star Rating
Air Conditioners	4	1.5	0
Refrigerator	1	165	0
Microwave	0	0	0
Tube Lights	350	100	0
CFL Bulbs	0	0	0
LED Lights	5	100	0
Fans	200	50	0

No documents uploaded by the school.

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



120

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**

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# 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

Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

### **Supporting Documents**

1. lunch box.jpg

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

1380.00

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.



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 packets veg. only

7 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. big\_46\_549.jpg



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

### **Teachers**

Sno.	Name	Email
1.	Mr.P.Deshmukh	principalkvknw@gmail.com
2.	Mrs.P.Tiwari	pkarlekartiwari@gmail.com
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# Task 2: Measure the four critical areas of your school campus

Complete the table:

Site area in square meter (m2)	60,703
Ground coverage area	12,140
Green landscaped area on-ground	13,440
Surface parking area	1,224
Play area that is paved/ concrete on ground	1,350
Play area that has grass on ground	13,440
Service Area on ground	1,245
Roof and terrace area	4,568
Green cover on exposed roof & terrace	2,133
Total built up/constructed area	10,450
Total no. of floors	3
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	50	12	62
Animals	0	0	0

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

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

Yes

## **Supporting Documents**

1. swachta abhiyan by NCC Cadets %282%29.jpg



# WATER

## **Task 1: Water Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Mr.P.Deshmukh	principalkvknw@gmail.com
2.	Mrs.P.Tiwari	pkarlekartiwari@gmail.com
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# Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity

Drinking	2000
Toilet flushing	1500
Personal cleaning	150
Washing clothes	120
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	150
Gardening	400
Total	4320

## 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?

School's own supply (bore well, rainwater harvesting facility, etc)

Does your school get daily water supply?

No

4(b) If supply of water is not daily, please tick the correct option

=1 day

## 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?	No
Does your school encourage bottled water for drinking water?	No
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

1. IMG\_20161019\_093426.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).

1

# 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?

40

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	18	18	4	40

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

24

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

5

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

More than 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 groundwater recharge

## **Supporting Documents**

1. Principal speech.jpg



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

### **Teachers**

Sno.	Name	Email
1.	Mr.P.Deshmukh	principalkvknw@gmail.com
2.	Mrs.P.Tiwari	pkarlekartiwari@gmail.com
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# Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

Yes

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	9	2	2	2	3
Playgrounds	15	5	5	3	2
Common area (e.g. reception, corridors)	6	2	1	1	2
Staffroom	7	2	2	1	2
Laboratory	7	2	2	1	2
Canteen	0	0	0	0	0
Clinic/ Sick room	7	2	2	2	1
Library	7	2	2	2	1
Toilets	18	5	5	4	4
Others	0	0	0	0	0
Total	76	22	21	16	17

## **Supporting Documents**

1. swachta abhiyan.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	200
Kitchen waste	0
Paper	200

Plastic	250
Wood, glass, metal, classroom furniture	500
E-waste	0
Biomedical waste	12
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1162

1. 20160912\_083056.jpg

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

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

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)	×	×	×	*
Wood,glass, metal scrap, other scrap	✓	<b>✓</b>	×	×
Biomedical waste (e.g. waste from Nurse's room in school, e.g. band-aids, syringe)	×	×	~	•

1. 20160912\_084640.jpg

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

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

Designated dumping site (Dhalao)

### **Supporting Documents**

1. IMG\_20161019\_093426.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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	4	4	0

Heaters	0	0	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)	104	84	20
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	7	5	2
Copying equipment (Photocopiers)	2	2	0
Projectors	5	5	0
Whiteboards	10	10	0
Electrical & electronic typewriters	2	2	0
Pocket & desk calculators	5	5	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	4	2	2
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

1. IMG\_20161019\_111039.jpg

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

### Task 6: School's initiatives

Does the school have a policy on waste?

No

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

Yes

### **Supporting Documents**

1. swachta abhiyan by students.jpg

13a What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

Is the study of the environment integrated into the curriculum?

No

## **Supporting Documents**

1. swachta abhiyan 2016.jpg



## **FEEDBACK**

1	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?

Arrangement of water and soil .

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?
Once

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?

No

13(a) If no, why?

### **Checklist of uploaded documents**

- 1. Electricity Bill
- 2. Photographs of lunch boxes

NA

- 3. Pictures of Green Cover
- 4. Pictures of landscaped area
- 5. Pictures of dustbins in classroom showing segregation at source
- 6. Pictures of playground with more than two dustbins