



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA  
**Address:** DIAT , GIRINAGAR , PUNE, PUNE,  
Maharashtra, India  
**Coordinator Name:** SANDHYA MEHROTRA



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

2

Address

DIAT , GIRINAGAR , PUNE, PUNE, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 20 (NUMBER) 24389826

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7875510937

5

Principal Name

SAMAJ V JOGLEKAR

6

GSP Coordinator Name

SANDHYA MEHROTRA

7

GSP Coordinator Email

smsandhya85@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 7875510937

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	508	439	947
Teachers	12	16	28
Non-Teaching Staff	6	2	8
TOTAL	526	457	983

4(b)

How many visitors visit your school

2000

5

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

275

6

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

Oct, Nov

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	PUSHPA PRAKASH	PUSHPA PRAKASH
2.	ANITA MESHRAM	anitrigo76@gmail.com
3.	JAISHREE KHEKALE	anitrigo76@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	SAMAJ V JOGLEKAR	kvdiatpune@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ABHILASHA MANRAJ	abhilasham1234@gmail.com	11
2.	SUPRIYA B PAYGUDE	supriyabpaygude@gmail.com	11
3.	VAGISHA PRAKASH	nipuprakash@gmail.com	11
4.	YOGESH JOSHI	shubhamvitthaljoshi@gmail.com	11
5.	SUDHANSHU MATE	sudhanshu11srm@gmail.com	11
6.	ADVAIT GHATGE	advaitghatge@gmail.com	11
7.	SWAPNAJA VIJAPURE	drrajendra@hotmail.com	9
8.	SHREYAS GAUTAM	shreyasgautam19@gmail.com	9
9.	ANUSHKA KARANJAWANE	pushpaprakash12345@gmail.com	8
10.	ASHOK SURYAVANSHI	pushpaprakash12345@gmail.com	8

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

1

How many classrooms does your school have?

24

2

Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	$X = \text{Area of floor (LxB)}$	$Y = \text{Area of openings (LxH)}$	Percentage of the floor area being ventilated ( $Y/X \times 100$ )
---	----------------------------------	-------------------------------------	---

IA	49.00	21.00	42.86
IB	49.00	21.00	42.86
IIA	49.00	21.00	42.86
IIB	49.00	21.00	42.86
IIIA	49.00	21.00	42.86
IIIB	49.00	21.00	42.86
IVA	49.00	21.00	42.86
IVB	49.00	21.00	42.86
VA	49.00	21.00	42.86
VB	49.00	21.00	42.86
TOTAL	490.00	210.00	

### 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	416	1	0	417
Public Bus	59	0	3	62
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	280	2	0	282
Taxi three-wheeler	49	6	3	58
Personal four-wheeler	23	2	1	26
Personal two-wheeler	61	15	6	82

Bicycle	19	0	2	21
On foot	27	5	3	35
Others (non-motorised)	0	0	0	0
SUB-TOTAL	934	31	18	983

### 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.	SANDHYA MEHROTRA	smsandhya85@gmail.com
2.	PUSHPA PRAKASH	pushpaparakash12345@gmail.com
3.	ANITA MESHRAM	anitatrigo76@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	S V JOGLEKAR	kvdiatpune@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ABHILASHA MANRAJ	abhilasham1234@gmail.com	11
2.	VAGISHA PRAKASH	pushpaparakash12345@gmail.com	11
3.	YOGESH JOSHI	smsandhya85@gmail.com	11
4.	SUPRIYA PAYGUDE	smsandhya85@gmail.com	11
5.	SUDHANSHU MATE	smsandhya85@gmail.com	11
6.	ADVAIT GADGE	smsandhya85@gmail.com	11
7.	SUMANT HM	smsandhya85@gmail.com	9
8.	YASH KIRAD	smsandhya85@gmail.com	9
9.	KHAGESH PRAKSH	pushpaparakash12345@gmail.com	9
10.	ASHOK SURYAVANSHI	smsandhya85@gmail.com	8

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

1

Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. bills.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)	2.5	9.00	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)	7	361.20	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	9.50	370.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	165	5



Microwave	0	0	0
Tube Lights	260	40	2
CFL Bulbs	15	45	5
LED Lights	5	18	3
Fans	180	75	3

### Supporting Documents

1. f1.jpg

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

5

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

245

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.	SANDHYA MEHROTRA	smsandhya85@gmail.com
2.	PUSHPA PRAKASH	pushpapraakash12345@gmail.com
3.	RICHA BARUAOLE	smsandhya85@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	S V JOGLEKAR	svjoglekar2016@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ABHILASHA MANRAJ	abhilasham1234@gmail.com	11
2.	SUPRIYA PAYGUDE	supriyabpaygude@gmail.com	11

### 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. I1.jpg
2. I2.jpg
3. I3.jpg
4. I4.jpg

2(a)(1)

How many students out of total student population bring home-made lunch?

948.00

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?

Yes

6(a) Please provide details

BISCUITS

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

#### Supporting Documents

1. I5.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	SANDHYA MEHROTRA	smsandhya85@gmail.com
2.	PUSHPA PRAKASH	pushpapraakash1234@gmail.com
3.	ANIT AMESHRAM	anitatrigo76@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	S V JOGLEKAR	svjoglekar2016@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	YOGESH JOSHI	smsandhya85@gmail.com	11
2.	SUDHANSHU MATE	sudhanshu11srm@gmail.com	11

### 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)	60,690
Ground coverage area	15,000
Green landscaped area on-ground	36,690
Surface parking area	0
Play area that is paved/ concrete on ground	1,500
Play area that has grass on ground	200
Service Area on ground	0
Roof and terrace area	3,000
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

3

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

	Native	Exotic	Total
Plants	200	5	205
Animals	100	0	100

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

4

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

Yes

#### Supporting Documents

1. building constr%2CLandscape.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	SANDHYA MEHROTRA	smsandhya85@gmail.com
2.	PUSHPA PRAKASH	puspushpaprakash12345@gmail.com
3.	S V MISAL	tinalmisal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	S V JOGLEKAR	svjoglekar2016@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Vagisha	nipuprakash@gmail.com	11
2.	Janhavi	janhavi.nc3112@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	1500
Toilet flushing	1500
Personal cleaning	2500
Washing clothes	200
Cooking	0
Cleaning Utensils	160
Washing Vegetables	0
Mopping floors	100
Gardening	2000

Total	7960
-------	------

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

2 Where does the water your school uses, come from?

Surface water

3 Who supplies the water in your school?

Public Health Engineering Department (PHED)

4 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?

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?	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?	Yes
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. sprinkler.jpg

### 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

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?

41 to 50 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

## Supporting Documents

1. catchment.jpg

2. c2.jpg

3. c3.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?

Do not follow any such pattern

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

No

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?

No

## 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?

24

9 How many hand pumps do you have?

0

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

29

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

	Girls	Boys	Common	Total
Number of toilets	12	6	6	24

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

12

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

18

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.	SANDHYA MEHROTRA	smsandhya85@gmail.com
2.	PUSHPA PRAKASH	pushpaprakash12345@gmail.com
3.	S V MISAL	tinalmisal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	S V JOGLEKAR	svjoglekar2016@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	SUPRIYA PAYGUDE	supriyapaygude@gmail.com	11
2.	YOGESH JOSHI	smsandhya85@gmail.com	11
3.	KHAGESH PRAKASH	pushpaprakash12345@gmail.com	9
4.	VAGISHA PRAKASH	pushpaprakash12345@gmail.com	11

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

1 Does your school segregate solid waste?

No

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	22	0	22	0	0
Playgrounds	2	0	2	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	1	0	0
Toilets	6	0	6	0	0
Others	4	0	4	0	0
Total	54	0	54	0	0

### Supporting Documents

1. DUST1.jpg
2. DUST2.jpg
3. playground.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	250
Kitchen waste	0
Paper	200
Plastic	5
Wood, glass, metal, classroom furniture	10
E-waste	0.5
Biomedical waste	0.5
Sanitary waste	10
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	476

No documents uploaded by the school.

#### 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?

No

6 Does your school encourage students & 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?

Don't know

No documents uploaded by the school.

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Paper

10

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	3	3	0
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	0	0	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)	63	63	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0

Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	10	10	0
Copying equipment (Photocopiers)	4	4	0
Projectors	4	4	0
Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	3	3	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

## Supporting Documents

1. electronic.jpg

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?

Yes

1(a)

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

2007 & 2008

1(b)

If yes, how many times have you done the audit?

2

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?

Workshop on Reuse, reduce and waste disposal.

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?	Once
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?	45.00

### Checklist of uploaded documents

1. Picture of School owned vehicles
2. Electricity Bill
3. Picture of 5 star appliances used by school
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 Electronic items used by school and storage of non-working electronic items
10. Pictures of respective audit teams doing survey