



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA
Address: RANGE HILLS ESTATE, KHADKI, PUNE,
Pune, Maharashtra, India
Coordinator Name: S SUGANDI



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

RANGE HILLS ESTATE, KHADKI, PUNE, Pune, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 020 (NUMBER) 25814712

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7741815067

5

Principal Name

P.S.SANGOLE

6

GSP Coordinator Name

S SUGANDI

7

GSP Coordinator Email

sugandhi.david@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 7038907589

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	739	653	1392
Teachers	16	21	37
Non-Teaching Staff	8	0	8
TOTAL	763	674	1437

4(b) How many visitors visit your school

15

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

230

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

Nov

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	S. SUGANDI	S. SUGANDI
2.	D. SRINIVAS	d123srinivas@gmail.com

Administrative staff

Sno.	Name	Email
1.	K.K. ARGADE	kkargade@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	NIKITA SINGH	supernikita0109@gmail	11
2.	RITESH SINGH	riteshsingh9526@gmail.com	11
3.	KALYANI PATIL	kalyanipatil322@gmail.com	11
4.	PRAJAKTA MANE	prajakta916mane@gmail.com	11
5.	VAISHNAVEE THOTE	2001vaishnavjee@gmail.com	11
6.	AMAN PANDA	amanpanda54@gmail.com	11
7.	ADITYA SINGH	adityapushpa2002@rediffmail.com	09
8.	ADITEE SHIRSATH	aradhyaclicnic@gmail.com	09
9.	NISHANT MADKE	nishantmadkecr7@gmail.com	09
10.	S.S. DEEPIKA	deepikapillai25@gmail.com	11

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

1 How many classrooms does your school have?

34

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)
11 b	71.80	5.70	7.94

2 a	43.40	3.50	8.06
10 c	73.60	5.60	7.61
11 a	71.80	5.70	7.94
7 a	67.20	4.90	7.29
1 c	42.20	3.20	7.58
8 b	68.10	5.10	7.49
5 b	65.30	4.80	7.35
2 b	43.30	3.50	8.08
12 b	72.40	5.90	8.15
TOTAL	619.10	47.90	

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	600	3	0	603
Public Bus	100	3	2	105
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	192	4	1	197
Taxi four-wheeler	50	5	0	55
Taxi three-wheeler	0	7	0	7
Personal four-wheeler	50	15	0	65
Personal two-wheeler	100	0	5	105
Bicycle	100	0	0	100

On foot	200	0	0	200
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1392	37	8	1437

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

5

How many students suffer from respiratory ailments ?

30

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.	S. SUGANDI	sugandhi.david@gmail.com
2.	S. SRINIVAS	d123srinivas@gmail.com

Administrative staff

Sno.	Name	Email
1.	K.K. ARGADE	kkargade@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	NIKITA SINGH	supernikita0102@gmail.com	11
2.	RITESH SINGH	riteshsingh9526@gmail.com	11
3.	AMAN PANDA	amanpanda54@gmail.com	11
4.	VAISHNAVEE THOTE	2001vaishnavee@gmail.com	11
5.	S.S. DEEPIKA	deepikapillai25@gmail.com	11
6.	KALYANI PATIL	kalyanipatil322@gmail.com	11
7.	PRAJAKTA MANE	prajakta916mane@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. New Doc 15_1.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)	400	1440.00	1
Electricity from generator (diesel) (litres)	0	0.00	1
Petrol (litres)	0	0.00	1
Diesel (litres)	0	0.00	1
CNG (kilogrammes)	0	0.00	1
Kerosene (litres)	0	0.00	1
Coal (kilogrammes)	0	0.00	1
Wood (kilogrammes)	0	0.00	1
Animal waste (kilogrammes)	0	0.00	1
Solar (kwh)	0	0.00	1
Wind (kwh)	0	0.00	1
LPG (kilogrammes)	2	103.20	2
Piped Natural Gas (kilogrammes)	0	0.00	1
TOTAL	402.00	1543.20	

Supporting Documents

1. New Doc 15_1.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	1.5	3
Refrigerator	1	150	4
Microwave	1	20	1

Tube Lights	500	12500	1
CFL Bulbs	8	500	1
LED Lights	0	0	1
Fans	250	31000	1

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?

275

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.	D SRINIVAS	d123srinivas@gmail.com
2.	S Sugandi	sugandhi.davi@gmail.com

Administrative staff

Sno.	Name	Email
1.	K K Argade	kkargade@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	vaishnavee thote	2001vaishnavi@gmail.com	11
2.	aman panda	amanpanda54@gmail.com	11
3.	s s deepika	deepikapillai25@gmail.com	11
4.	anannya sonawane	anannyasonawane1234@gmail.com	11
5.	a v prabha	prabhaambavaram16@gmail.com	11
6.	ritesh singh	riteshsingh9526@gmail.com	11
7.	nikita singh	supernikita01202@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

No documents uploaded by the school.

2(a)(1)

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

1392.00

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
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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?

Dairy Milk,Bourbon,Jim-Jam etc

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

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	V B THEURKAR	vb05085@gmail.com
2.	SWATI KAKDE	swati4me@gmail.com

Administrative staff

Sno.	Name	Email
1.	SUNIL PACHARNE	pacharnesunil@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	AMAN PANDA	amanpanda54@gmail.com	11
2.	NIKTA SINGH	supernikita01202@gmail.com	11
3.	RITESH SINGH	riteshsingh9526@gmail.com	11
4.	VAISHNAVEE THOTE	2001vaishnavjee@gmail.com	11
5.	KALYANI PATIL	kalyanipatil322@gmail.com	11
6.	PRAJAKTA MANE	prajakta916mane@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 (m ²)	30,351
Ground coverage area	20,231
Green landscaped area on-ground	4,046
Surface parking area	2,023
Play area that is paved/ concrete on ground	8,093
Play area that has grass on ground	12,140
Service Area on ground	30,351

Roof and terrace area	2,023
Green cover on exposed roof & terrace	0
Total built up/constructed area	8,093
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	60	0	60
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. 1689160386dscn1527.jpg
2. big_36_896.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	JAGTAP DATTA SHANKAR RAO	dattas.jagtap@gmail.com
2.	RAJU.S.POKHARNIKAR	rpokharnikar8395@gmail.com

Administrative staff

Sno.	Name	Email
1.	KHANDU.K.ARGADE	kkargade@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	AMAN PANDA	amanpanda84@gmail.com	11
2.	VAISHNAVEE THOTE	2001vaishnavvee@gmail.com	11
3.	NIKITA SINGH	supernikita01202@gmail.com	11
4.	S S DEEPIKA	deepikapillai25@gmail.com	11
5.	KALYANI PATIL	kalyanipatil322@gmail.com	11
6.	PRAJAKTA MANE	prajakta916mane@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	2000
Personal cleaning	500
Washing clothes	50
Cooking	50
Cleaning Utensils	50
Washing Vegetables	0

Mopping floors	2000
Gardening	5000
Total	11150

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

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?	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?	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).

5000

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?

25

9

How many hand pumps do you have?

0

10

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

25

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

	Girls	Boys	Common	Total
Number of toilets	25	25	0	50

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

15

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

0

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

More than 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.	S SUGANDHI	sugandhi.david@gmail.com

Administrative staff

Sno.	Name	Email
1.	tapkir	

Students

Sno.	Name	Email	Grade/Class
1.	AMAN PANDA	amanpanda54@gmail.com	11
2.	VAISHNAVEE THOTE	2001vaishnavee@gmail.com	11
3.	ACHINTYA KUMAR SRIVASTAVA	chulbul.panday@gmail.com	11
4.	RITESH SINGH		
5.	NIKITA SINGH		

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. Gardener

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	1	0	1	0	0
Playgrounds	1	0	1	0	0

Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	2	0	2	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	3	0	3	0	0
Others	0	0	0	0	0
Total	12	0	12	0	0

Supporting Documents

1. big_36_899.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	900
Kitchen waste	0
Paper	60
Plastic	0
Wood, glass, metal, classroom furniture	150
E-waste	5
Biomedical waste	0
Sanitary waste	10
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

1125

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?

No

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?

Designated dumping site (Dhalao)

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?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

Horticultural

10

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

	Total	Working conditions	Non-working condition
TVs	0		
VCR or DVD players	0		
Refrigerators and freezers	0		
Washing machines	0		
Air conditioners	0		
Heaters	0		
Microwaves	0		
Ovens	0		
Toasters	0		
Electric Kettles	0		
Personal computers (CPU, mouse, screen and keyboard included)	0		

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

No documents uploaded by the school.

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?

No

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?

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?

use of solar energy,water harvesting system,waste management process

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?

Never

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?

15.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area