



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO. 1
Address: AIR FORCE STATION LOHEGAON,
NEW PROJECT AREA, LOHEGOAN
PUNE 32, PUNE, PUNE, Maharashtra,
India
Coordinator Name: H.P NAGRALE



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 NO. 1

2

AddressAIR FORCE STATION LOHEGAON, NEW PROJECT AREA, LOHEGOAN PUNE 32, PUNE,
PUNE, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 20 (NUMBER) 26687656

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9665119928

5

Principal Name

JAYASHRI WISHWEKAR

6

GSP Coordinator Name

H.P NAGRALE

7

GSP Coordinator Email

nagraleh65@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8605338581

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	1003	842	1845
Teachers	35	10	45
Non-Teaching Staff	5	1	6
TOTAL	1043	853	1896

4(b)

How many visitors visit your school

2

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?

Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Indira Belsare	Indira Belsare

Administrative staff

Sno.	Name	Email
1.	B.G.Raut	baazigar47@gmail.com
2.	Jayshree Wishwekar	principalkvao@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akansha Prakash Kadam	aakanshaprakash@gmail.com	11
2.	Priyadarshini Biswal	darshinibiswal@gmail.com	11
3.	Vrushali Gajre	gajrevrushali@gmail.com	11
4.	Ambika Thakur	thakurambika@gmail.com	11
5.	Aachal Kasar	kasaraachal@gmail.com	11

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

1 How many classrooms does your school have?

42

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)
Class I B	96.00	18.36	19.13
Class V C	96.00	18.36	19.13
Class VII A	96.00	18.36	19.13
Class IX B	96.00	18.36	19.13
Class XI D	96.00	18.36	19.13

Class XII D	96.00	18.36	19.13
Class III A	96.00	18.36	19.13
Class IV C	96.00	18.36	19.13
Class X B	96.00	18.36	19.13
Class X D	96.00	18.36	19.13
TOTAL	960.00	183.60	

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?

A combination of school-owned and operator-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	8	13	5	0	26
No. of vehicles more than five years old	7	6	2	0	15
Air conditioned	0	8	0	0	8
No. of vehicles with PUC done	8	13	5	0	26
Parking area (m2)	2600	620	860	8986	13066

Supporting Documents

1. A6.jpg
2. A7.jpg
3. A8.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	8	0	0	0	0	0

Car	9	4	0	0	0	0
Van	0	3	0	0	0	2
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	17	7	0	0	0	2

Supporting Documents

1. A1.jpg
2. A2.jpg
3. A3.jpg
4. A4.jpg
5. A5.jpg

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	382	6	1	389
Public Bus	211	0	0	211
School Transport(Other than bus)	28	0	0	28
Public transport (other than bus, Metro, car pool)	77	0	0	77
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	42	3	0	45
Personal four-wheeler	126	8	3	137
Personal two-wheeler	155	20	9	184
Bicycle	552	0	0	552
On foot	248	19	6	273
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1821	56	19	1896

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

5

How many students suffer from respiratory ailments ?

5

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.	H.P. Nagrale	nagraleh65@gmail.com

Administrative staff

Sno.	Name	Email
1.	Jayshree Wishwekar	principalkv1afs@rediffmail.com
2.	B.G.Raut	baazigar47@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Abhinandan Belsare	abhinandanbelsare@gmail.com	11
2.	Saket Prasad	saketprasad37@gmail.com	11
3.	Kshitiz	kshitizkv@gmail.com	11
4.	Tanish Lena	tanishalena@gmail.com	11
5.	Keertan Suresh	keertan20a@gmail.com	11
6.	Gyan Gartia	gyangartia55@gmail.com	11
7.	Ritik Tomer	utkarshandgropus12@gmail.com	11
8.	Rutik Garve	pawangarve@gmail.com	11
9.	Ashish Kunvar	kunvarashishoio@gmail.cm	11
10.	Shudanshu Ranjan	ranjansudhanshu@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. E2.jpg

2

Does your school have its own vehicles?

Yes

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)	8035	28926.00	1
Electricity from generator (diesel) (litres)	50	2280.00	1
Petrol (litres)	20	934.00	1
Diesel (litres)	18	820.80	1
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)	28.4	1465.44	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	8151.40	34426.24	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	16	2	2-3
Refrigerator	2	165	3

Microwave	2	28	4
Tube Lights	323	65	2
CFL Bulbs	50	1.6	3
LED Lights	50	15	1-3
Fans	134	45	2

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?

298

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.	Nitin Jain	nitinklpm@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Jayshree Wishwekar	principalkv1afs@gmail.com
2.	B.G. Raut	baazigar47@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shashikant Sharma	shashikantsharma27@gmail.com	11
2.	Satyaraj Sharma	maxmasterzxc@gmail.com	11
3.	Pallavi Mishra	pallavilado@gmail.com	11
4.	Mishma Jef Tereasa	tereasamishma@gmail.com	11
5.	Pratiksha Mishra	mishrapratiksha@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. IMG-20161116-WA0010.jpg
2. IMG-20161116-WA0035.jpg
3. IMG-20161116-WA0007.jpg

4. IMG-20161116-WA0028.jpg

5. IMG-20161116-WA0038.jpg

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

90.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

3.00

2(a)(3) Do teachers have the responsibility to ensure that students are carrying lunch from home?

No

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

Supporting Documents

1. IMG-20161116-WA0044.jpg
2. IMG-20161116-WA0036.jpg

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

Perk,Frooti,Biscuit,Ladoo,Samosa,5 star chocolate

7

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a)

Please provide the names?

Perk, 5Star,Dairy Milk,Gems,Perk,Extra Smooth,Alpino,Kit Kat,Bar-One,Munch

8

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

Yes

8(a)

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

Bournvita,sunfeast ,yipee,maggie

8(b)

Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

Supporting Documents

1. IMG-20161116-WA0008.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Tressa Joesph	tressalitle@gmail.com

Administrative staff

Sno.	Name	Email
1.	B.G raut	bazigar47@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Milli	millidiswy@gmail.com	11
2.	Babita	babitasharma@gmail.com	11
3.	Ananya	ananyalaunya2001@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)	27,225
Ground coverage area	62,500
Green landscaped area on-ground	10,252
Surface parking area	13,066
Play area that is paved/ concrete on ground	5,000
Play area that has grass on ground	24,000
Service Area on ground	26,000
Roof and terrace area	1,207
Green cover on exposed roof & terrace	0
Total built up/constructed area	9,899

Total no. of floors	1
Others	10,800

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	25	3	28
Animals	8	2	10

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. l10.jpg
2. l6.jpg
3. l9.jpg
4. l4.jpg
5. l9.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Indira bellsare	bellsareindira@gmail.com

Administrative staff

Sno.	Name	Email
1.	B.G RAUT	bazigar47@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rudraneel hazra	rudranilman@gmail. com	11
2.	Kamran	kamranboss@gmail.com	11
3.	Shubham mote	shubham11@gmail.com	11
4.	Piyush rathore	piyushrathore18@gmail.com	11
5.	Shagun	shagunfair@gmail.com	11
6.	Swati	swatihindi@gmail.com	11
7.	Keerti dev	devkeerti@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	200
Toilet flushing	250
Personal cleaning	100
Washing clothes	50
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0

Mopping floors	500
Gardening	300
Total	1400

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

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

Recycled waste water

3 Who supplies the water in your school?

Municipality

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?	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)

Yes

Supporting Documents

1. tanki.jpg
2. tankiwala 2.jpg
3. water storage.jpg

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).

2000

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?	No
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No
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?

9

9

How many hand pumps do you have?

0

10

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

36

11

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

	Girls	Boys	Common	Total
Number of toilets	6	6	0	12

12

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

60

13

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

5

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

Once 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.	R.n tiwari	mrrntiwari@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	B.G RAUT	bazigar47@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	shalini singh	shalini18230@gmail.com	11
2.	tamsa	tamsabhowmik2016@gmail.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. Gardener
2. Ragpicker

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	41	2	39	0	0
Playgrounds	5	0	4	1	0
Common area (e.g. reception, corridors)	2	0	2	0	0

Staffroom	2	0	2	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	11	0	4	7	0
Others	2	0	1	1	0
Total	70	2	59	9	0

Supporting Documents

1. W1.jpg
2. W9.jpg
3. Wc.jpg
4. Wd.jpg
5. We.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	200
Kitchen waste	2
Paper	35
Plastic	34
Wood, glass, metal, classroom furniture	10
E-waste	0
Biomedical waste	5
Sanitary waste	5
Construction and Demolition (C & D) waste	0

Hazardous waste	0
Total Generated Solid Waste (in kilogram)	291

Supporting Documents

1. W2.jpg
2. W3.jpg
3. W4.jpg
4. W3.jpg
5. W5.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?

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

Supporting Documents

1. W12.jpg
2. W13.jpg
3. W7.jpg

9

Does your school burn waste?

Yes

Supporting Documents

1. 20161116_140817-1280x720.jpg
2. W10.jpg

9a

Where does your school burn waste?

Inside 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	2	02	00
VCR or DVD players	1	01	00
Refrigerators and freezers	2	02	00
Washing machines	0	00	00
Air conditioners	15	11	04
Heaters	0	00	00
Microwaves	1	01	00
Ovens	0	00	00
Toasters	0	00	00
Electric Kettles	0	00	00
Personal computers (CPU, mouse, screen and keyboard included)	159	130	29
Laptop computer (CPU, mouse, screen and keyboard included)	2	01	01
Notebook computers	0	00	00
Notepad computers	0	00	00
Printers	9	09	00
Copying equipment (Photocopiers)	3	03	00
Projectors	12	11	01
Whiteboards	5	05	00
Electrical & electronic typewriters	0	00	00
Pocket & desk calculators	3	03	00
Fax machines	2	01	01
Telex	0	0	0
Telephones	6	06	00
Pay telephones	0	00	00
Mobiles	0	00	00
Answering systems	0	00	00

Supporting Documents

1. Wa.jpg
2. Wb.jpg
3. Wf.jpg
4. wg.jpg
5. Wh.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?

Kabadiwalla/ Scrapdealer

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

Supporting Documents

1. audit.jpg



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?

2015

1(b)

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

1

2

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

Yes

3

Did you find the online information relevant to your environmental education activities?

Yes

4

Was the audit easy-to-understand and self-explanatory?

No

5

Did you understand the present format of the GSP?

No

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?

Involvement of teachers in it and especially principle.

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Average

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?

No

12(a)

If no, please share your suggestions?

This survey was limited to few students only not everyone was aware about it. But this survey could have become very useful if more teachers and more students were involved in it.

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

5.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Picture of School owned vehicles
3. Electricity Bill
4. Photographs of lunch boxes
5. Pictures of Events sponsored by UPPF companies
6. Pictures of landscaped area
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Picture of audit team weighing solid waste
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. Pictures of respective audit teams doing survey