



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya Vasant Kunj
Address: B-5/6 Vasant Kunj, New Delhi- 110070,
Delhi, South West Delhi, Delhi, India
Coordinator Name: Kavita Agarwal



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 Vasant Kunj

2

Address

B-5/6 Vasant Kunj, New Delhi- 110070, Delhi, South West Delhi, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 011 (NUMBER) 26134044

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9810056342

5

Principal Name

Suresh Singh

6

GSP Coordinator Name

Kavita Agarwal

7

GSP Coordinator Email

kavitaniilkumat@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9968309410

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:10

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	513	346	859
Teachers	12	19	31
Non-Teaching Staff	9	2	11
TOTAL	534	367	901

4(b) How many visitors visit your school

10

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

222

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

Aug, Sep, Oct

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ajay Agarwal	Ajay Agarwal
2.	Pawan Kumar	pawanlalhal2@gmail.com
3.	U.K Shukla	ukshukla100@gmail. com

Administrative staff

Sno.	Name	Email
1.	Sumit	sumitdahiya511@gmail. com
2.	D.K Meena	dineshwet@gmail. com
3.	D.Thakur	dkt.kvs@gmail. com
4.	U. K. Shukla	ukshukla100@gmail. com
5.	Vijay Kumar	vijaynnokia1967@gmail. com

Students

Sno.	Name	Email	Grade/Class
1.	Mukul	mukulkumarpal.kvbk@gmail.com	9
2.	Namrata	namratanu.saini@gmail. com	9
3.	Chetan	chetan.kvbk@gmail. com	9
4.	Barkha	manjurani76@gmail. com	9
5.	Prince	prashant.9968@gmail. com	9

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

1 How many classrooms does your school have?

20

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 ($Y/X \times 100$)
--	----------------------------------	-------------------------------------	--

Class I section A	59.81	5.40	9.03
Class II section B	59.81	5.40	9.03
Class 3section A	59.81	5.40	9.03
ClassIVsection	59.81	5.40	9.03
Class VI section A	59.81	5.40	9.03
Class VII section I	59.81	5.40	9.03
Class VIII section A	59.81	5.40	9.03
Class IX section A	59.81	5.40	9.03
Class X section A	59.81	5.40	9.03
Class V section B	59.81	5.40	9.03
TOTAL	598.10	54.00	

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	150	10	3	163
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	170	3	0	173
Taxi four-wheeler	020	0	0	20
Taxi three-wheeler	120	4	1	125
Personal four-wheeler	60	6	1	67
Personal two-wheeler	120	6	3	129

Bicycle	59	0	1	60
On foot	160	2	2	164
Others (non-motorised)	0	0	0	0
SUB-TOTAL	859	31	11	901

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

5

How many students suffer from respiratory ailments ?

0

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.	D.K.Meena	dineshwet@gmail.com
2.	Mamraj Ray	mamrajr@gmail.com
3.	Pawan	pawanlalhal2@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sumit	sumitdahiya511@gmail.com
2.	Vijay	vijaynnoikia1967@gmail.com
3.	D. K. Thakur	dkt.kvs@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Himanshu	sainihimanshu413@gmail.com	9
2.	ANUSHKA AGARWAL	parulaci@gmail.com	9
3.	SACHIN KUMAR	sachinkumar99105@gmail.com	10
4.	PIYUSH	kumarpiyush6888@gmail.com	10
5.	DIVYANSHI	pundhir037@gmail.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG_3255.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)	6022	21679.20	1
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	6022.00	21679.20	

Supporting Documents

1. IMG_3255.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	1	3
Refrigerator	2	350	3
Microwave	0	0	0
Tube Lights	150	6000	1
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	150	6000	3

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?

200

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.	Kavita	kavitanilkumar@gmail.com
2.	Kalpana	kalpanaverma1@gmail.com
3.	Anita Meena	ameena1998@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sumit	sumitdahiya511@gmail.com
2.	D.KThakur	dkt.kvs@gmail.com
3.	D.K.Meena	dineshwet@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PIYUSH	kumarpiyush6888@gmail.com	10
2.	Mukul	mukulkumarpal.kvbk@gmail.com	9
3.	ANUSHKA AGARWAL	parulaci@gmail.com	9
4.	DIVYANSHI	pundhir037@gmail.com	10
5.	DEEPTAKSHI	dakshi25nov@gmail.com	10

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

Yes

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?

839.00

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

20.00

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	4	150	7
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	7
Potato fries and Burgers	2	150	8
Confectionery items (chocolate, candies, gums)	2	50	8
Ice-cream	0	0	8
Carbonated beverages	4	300	8
Sugar sweetened noncarbonated beverages	0	0	9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	150	9
Packaged/Bottled Energy Drinks	0	0	9

No documents uploaded by the school.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	600
Idli/vada and sambhar	100
Pav bhaji	0
Momos	0
Others	50

4(b) Give descriptions for rare local snacks served in your school:?

Poha made with pressed rice and vegetables

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	60
Sweet lassi	50
Salted butter milk	0
Aam Panna	0
Others	90

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?

No

8

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

No

Supporting Documents

1. 20161108_084001_resized.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Praveen	prembhargava9999@yahoo.co.in
2.	Sumit	sumitdahiya511@gmail.com
3.	D.K.Thakur	dkt.kvs@gmail.com

Administrative staff

Sno.	Name	Email
1.	D.K.Meena	dineshwet@gmail.com
2.	Mamraj Ray	mamrajr@gmail.com
3.	Vijay	fvijaynnokia1967@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	HARSHIT GUPTA	harshittgupta27@gmail.com	7
2.	HARSHIT	bishtharshit99@gmail.com	10
3.	SIDDHANT	siddhantsingh32@gmail.com	10
4.	KHUSHI	khushisweet2002@gmail.com	10
5.	SACHIN KUMAR	sachinkumar99105@gmail.com	10

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)	4,000
Ground coverage area	1,747
Green landscaped area on-ground	250
Surface parking area	400
Play area that is paved/ concrete on ground	0

Play area that has grass on ground	0
Service Area on ground	100
Roof and terrace area	551
Green cover on exposed roof & terrace	20
Total built up/constructed area	997
Total no. of floors	4
Others	2,254

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	50	2	52
Animals	10	0	10

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. IMG_3248.JPG
2. 11888064_1120889431258544_7267877063919157549_n.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mamraj Ray	mamrajr@gmail.com
2.	D.K.Meena	dineshwet@gmail.com
3.	Kalpana Verma	kalpanaverma1@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sumit	sumitdahiya511@gmail.com
2.	D.K.Thakur	dkt.kvs@gmail.com
3.	Vijay	vijaynnokia1967@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SIDDHANT	siddhantsingh32@gmail.com	10
2.	HARSHIT	bishtharshit99@gmail.com	10
3.	SACHIN KUMAR	sachinkumar99105@gmail.com	10
4.	KHUSHI	khushisweet2002@gmail.com	10
5.	DEEPTAKSHI	dakshi25nov@gmail.com	10

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	1200
Toilet flushing	1500
Personal cleaning	500
Washing clothes	20
Cooking	40

Cleaning Utensils	300
Washing Vegetables	40
Mopping floors	100
Gardening	500
Total	4200

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

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

Ground water

3 Who supplies the water in your school?

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

4 Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

7-12 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?	No
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. 20161108_081438_resized.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).

100

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?

8

9 How many hand pumps do you have?

0

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

16

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

	Girls	Boys	Common	Total
Number of toilets	8	12	0	20

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

8

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

4

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?

Yes

18 Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening, Flushing, Recharge Ground Water

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Kalpana Verma	kalpanaverma1@gmail.com
2.	Kavita Agarwal	kavitanilkumar@gmail.com
3.	Meenakshi Meena	monu.meena867@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sumit	sumitdahiya511@gmail.com
2.	D.K.Thakur	dkt.kvs@gmail.com
3.	D.K.Meena	dineshwet@gmail.com
4.	Mamraj Ray	mamrajr@gmail.com
5.	Vijay	vijaynnokia1967@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Priyanshu	priyanshu456789@gmail.com	10
2.	Dominic	dominicthomas84.2@gmail.com	10
3.	Hari Om	hariomk935@gmail.com	10
4.	Mohit Raj	Rjmohit676867@gmail.com	10
5.	Bhayvanshi	bhayvanshichaudhary154@gmail.com	10

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
3. 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	20	0	20	0	0
Playgrounds	1	0	0	0	1
Common area (e.g. reception, corridors)	1	0	0	0	1
Staffroom	1	0	0	1	0
Laboratory	1	0	0	1	0
Canteen	1	0	0	1	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	2	0	0	2	0
Total	30	0	23	5	2

Supporting Documents

1. IMG_3249.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	15
Kitchen waste	60
Paper	50
Plastic	2
Wood, glass, metal, classroom furniture	0

E-waste	0
Biomedical waste	1
Sanitary waste	20
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	158

Supporting Documents

1. 20161108_081827_resized.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?

Yes

No documents uploaded by the school.

5a What is the methodology used?

Natural composting without added microbes

5b What is the quantity of compost that is generated per month(in kilogram)?

2.00

5c What is the purpose of the compost that is generated per month?

For horticultural purposesFor school garden

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)	✓	✗	✗	✗

Supporting Documents

1. 20161108_083525_resized.jpg

Task 5: How does your school dispose waste?

8

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

Landfill Site

No documents uploaded by the school.

9

Does your school burn waste?

No

10

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	2	2	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	10	10	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	70	70	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	2	2	0
Projectors	16	16	0
Whiteboards	14	14	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	1	1
Pay telephones	0	0	0
Mobiles	2	2	0
Answering systems	0	0	0

No documents uploaded by the school.

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?

Yes

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

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?

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?

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?

Better Waste management Efficient AC's , LED Bulbs, Recycling of paper

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?

Twice

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?

30.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Pictures of bio-pesticides
7. Pictures of playground with more than two dustbins
8. Picture of audit team weighing solid waste
9. Picture of types of solid waste generated
10. Pictures of respective audit teams doing survey