



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA VIKASPURI
Address: VILLAGE-HASTSAL, PO- VIKASPURI,
DELHI, West Delhi, Delhi, India
Coordinator Name: KAILASH CHAND MEENA



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 VIKASPURI

2

Address

VILLAGE-HASTSAL, PO- VIKASPURI, DELHI, West Delhi, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 25648201

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9971909994

5

Principal Name

DEVENDER KUMAR

6

GSP Coordinator Name

KAILASH CHAND MEENA

7

GSP Coordinator Email

kvvikaspuri59@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9811910992

9

Category Of The School

Day Scholar

10

School Shifts

Both

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	2056	1540	3596
Teachers	40	73	113
Non-Teaching Staff	16	2	18
TOTAL	2112	1615	3727

4(b)

How many visitors visit your school

50

5

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

250

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.	ANUSUIYA PRASAD	ANUSUIYA PRASAD

Administrative staff

Sno.	Name	Email
1.	RAJNI SHARMA	
2.	NEELAM SHARMA	
3.	CHITRA SINHA	
4.	SUDHEER SAHU	
5.	PRASANT YADAV	

Students

Sno.	Name	Email	Grade/Class
1.	ANCHAL ROY		9
2.	ANISHA		9
3.	ANSHIKA		9
4.	ANUSKA		9
5.	ANKIT SINGH		9
6.	NAKUL		9
7.	PRANAV KUMAR		9
8.	RAJIV KUMAR		9
9.	PREETI		9
10.	SHANA PARVEEN		9

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

1 How many classrooms does your school have?

71

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)
I	55.00	15.00	27.27
II	55.00	15.00	27.27
III	55.00	15.00	27.27
IV	55.00	15.00	27.27
V	55.00	15.00	27.27
VI	55.00	15.00	27.27
VII	55.00	15.00	27.27
VIII	55.00	15.00	27.27
IX	55.00	15.00	27.27
X	55.00	15.00	27.27
TOTAL	550.00	150.00	

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	40	25	3	68
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	150	35	2	187
Taxi four-wheeler	200	0	0	200
Taxi three-wheeler	50	10	0	60

Personal four-wheeler	0	5	0	5
Personal two-wheeler	0	8	2	10
Bicycle	1500	10	3	1513
On foot	1652	30	2	1684
Others (non-motorised)	0	0	0	0
SUB-TOTAL	3592	123	12	3727

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	PRASANT JAIN	prasant83@gmail.com
2.	LAXMAN SINGH	lsingh1977@rediffmail.com
3.	ANUSUYA PRASAD	aprasad476@gmail.com

Administrative staff

Sno.	Name	Email
1.	PRASANT JAIN	
2.	LAXMAN SINGH	
3.	ANUSUYA PRASAD	
4.	GAURAV GOYAL	
5.	POONAM ARYA	

Students

Sno.	Name	Email	Grade/Class
1.	ADITY		10
2.	ANJALI		10
3.	HARSHITA		10
4.	MEETALI		10
5.	SWETA		10
6.	BHAVYA		10
7.	AMAN JHA		10
8.	KSHITIZ		10
9.	DEVANSHU		10
10.	AYUSH		10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ELECTRICITY BILL.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)	11000	39600.00	1,2,5
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)	3	10.80	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	11003.00	39610.80	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	8	1.5	3
Refrigerator	1	250	3
Microwave	1	5	4
Tube Lights	300	40	4
CFL Bulbs	100	20	0
LED Lights	50	20	0
Fans	250	70	0

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?

290

6 Are there any alternate sources of energy employed/ installed in your school?

Yes

6(a) Name the alternate sources of energy employed/ installed in your school?

Solar

Supporting Documents

1. LIGHT.jpg



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	RAJNI SHARMA	rajni123@gmail.com

Administrative staff

Sno.	Name	Email
1.	K C MEENA	kailash126@yahoo.com
2.	PRASANT JAIN	
3.	LAXMAN SINGH	
4.	AN MISHRA	
5.	ANUSYA PRASAD	

Students

Sno.	Name	Email	Grade/Class
1.	AMISH		
2.	GAYATRI		
3.	MEGHA		
4.	PRIYANKA		
5.	SHIVANI		
6.	PRABHU DEVA		
7.	ROHIT		
8.	SUBHAM		
9.	TARUN		
10.	YOGESH		

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. LUNCH BOX.jpg

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

3596.00

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	3	50	4

Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	3	200	3
Packaged/Bottled Energy Drinks	1	20	8

Supporting Documents

1. CANTEEN SERVING PHOTO.jpg

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	300
Idli/vada and sambhar	400
Pav bhaji	100
Momos	0
Others	0

4(b)

Give descriptions for rare local snacks served in your school:?

Poha

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	300
Sweet lassi	300
Salted butter milk	50
Aam Panna	0

Others

0

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. CANTEEN SURVEY BY AUDIT TEAM.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	PRASANT JAIN	kailash126@yahoo.com
2.	LAXMAN SINGH	lsingh1977@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	RAJNI SHARMA	
2.	NEELAM SHARMA	
3.	CHITRA SINHA	
4.	POOJA RANI	
5.	ANUSUIYA PRASAD	

Students

Sno.	Name	Email	Grade/Class
1.	KUNAL CHAUDHARY		10
2.	KSHITIJ SHARMA		10
3.	MUSKAN		10
4.	PRIYANKA GUPTA		10
5.	RAJAN KUMAR		10
6.	SOURABH KUMAR		10
7.	SHAHNEWAJ		10
8.	SHIVANI		10
9.	UJJAWAL KHANDELWAL		10
10.	VISHAL KUMAR		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)	14,351

Ground coverage area	3,600
Green landscaped area on-ground	3,200
Surface parking area	725
Play area that is paved/ concrete on ground	1,000
Play area that has grass on ground	800
Service Area on ground	500
Roof and terrace area	1,900
Green cover on exposed roof & terrace	0
Total built up/constructed area	3,500
Total no. of floors	4
Others	126

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	70	5	75
Animals	3	1	4

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. GREEN AREA.jpg
2. GREEN AREA.jpg
3. BUILDING PLAANN.jpg
4. BUILDING PLANE.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	LAXMAN SINGH	lsingh1977@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	NEELAM SHARMA	
2.	ANUPRIYA SHRIVASTAVA	
3.	CHANDE KIRAN	
4.	T URSALA	
5.	GAURAV GOYAL	

Students

Sno.	Name	Email	Grade/Class
1.	ABHISEK MEENA		10
2.	ANKIT SAH		10
3.	GURVINDER SINGH		10
4.	ANUJ ANAND		10
5.	MANJU NAHAR		10
6.	SHIVANSHU PANDAY		10
7.	KSHITIJ PANDEY		10
8.	MEGHA UPADHYAY		10
9.	FARHAN KHAN		10
10.	AAKANSHA		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	1000

Toilet flushing	2000
Personal cleaning	200
Washing clothes	20
Cooking	50
Cleaning Utensils	20
Washing Vegetables	10
Mopping floors	500
Gardening	1300
Total	5100

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, Rain water, Recycled waste 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

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?	Yes
Are dual flush systems installed in the toilets?	Yes
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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

Supporting Documents

1. FLUSH SYSTEM.jpg
2. DRINKING WATER POINT.jpg
3. VALVE SYSTEM.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?

Paved + Unpaved

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

Yes

6(b)(1)(i)

Please share the total number of groundwater recharge structures

1.00

6(b)(1)(ii) Please tick the type of groundwater recharge structure used in your school:

Recharge pits

6(c) How much area in your school is harvested?

21 to 30 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Gutters, Storage tank

6(e) Rate your catchment on cleanliness:

Average

No documents uploaded by the school.

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?

Pre-monsoon

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

Yes

6(g)(1) Please specify when does your school monitor the groundwater level?

Pre-monsoon

6(h) What is the trend of groundwater level in your school across the year?

No change

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?

Yes

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?

30

9 How many hand pumps do you have?

0

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

60

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

	Girls	Boys	Common	Total
Number of toilets	35	35	0	70

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

45

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

More than 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

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	SANDEEP SINGH	kailash126@yahoo.com
2.	KRISHNA RANJAN	kailash126@yahoo.com

Administrative staff

Sno.	Name	Email
1.	ANUSUIYA PRASAD	
2.	LAXMAN SINGH	
3.	PRASANT JAIN	
4.	RAJNI SHARMA	
5.	REKHA CHAUDHARY	

Students

Sno.	Name	Email	Grade/Class
1.	NAJNEEN		10
2.	AKASH KANAUJIA		10
3.	SOFIKA VERMA		10
4.	ISHIKA TYAGI		10
5.	MANI CHAUHAN		10
6.	SIMANT SINGH		10
7.	ASHISH NIRWAL		10
8.	SAKSHI		10
9.	VISHAL KUMAR		10
10.	SHAHNAAJ		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

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	71	0	30	39	2
Playgrounds	10	0	0	2	8
Common area (e.g. reception, corridors)	25	0	10	10	5
Staffroom	4	0	0	1	3
Laboratory	7	0	0	2	5
Canteen	1	0	0	0	1
Clinic/ Sick room	1	0	0	0	1
Library	1	0	0	0	1
Toilets	19	0	0	15	4
Others	6	0	4	1	1
Total	145	0	44	70	31

No documents uploaded by the school.

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	40
Kitchen waste	14
Paper	20
Plastic	1

Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	1
Sanitary waste	3
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	94

No documents uploaded by the school.

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

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	20
Kitchen waste	5
Paper	15
Plastic	0
Wood, glass, metal, classroom furniture	2
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total (in kilogram)	52

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)?

10.00

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)	✗	✗	✓	✗

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?

Landfill Site

Supporting Documents

1. SEPARATION OF SOLID WASTE.jpg

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	3	3	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	125	95	30
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0

Notepad computers	0	0	0
Printers	12	12	0
Copying equipment (Photocopiers)	5	5	0
Projectors	20	20	0
Whiteboards	20	20	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	2	1	1
Telex	0	0	0
Telephones	15	15	0
Pay telephones	3	3	0
Mobiles	0	0	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 dealer

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

WASTE POLICY.jpg

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?

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?

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?

This audit questionnaire must be helpful for our school to make a green school. We are following all the instructions which are given in audit questions as much as possible.

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?

More than 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 Renewable sources of Energy
4. Photographs of lunch boxes
5. Picture of Canteen selling UPPF
6. Traditional food items sold in canteen
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Building construction plan
10. Pictures of dustbins in classroom showing segregation at source
11. Pictures of playground with more than two dustbins
12. Picture of types of solid waste generated
13. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
14. Pictures of housekeeping staff disposing different types of solid waste
15. Waste Policy
16. Pictures of respective audit teams doing survey