



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA
Address: A-7, SECTOR-24, NOIDA, Noida,
GAUTAMBUDDHA NAGAR, Uttar
Pradesh, India
Coordinator Name: Rina krishnan



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

A-7,SECTOR-24, NOIDA, Noida, GAUTAMBUDDHA NAGAR, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 120 (NUMBER) 4327435

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9958221789

5

Principal Name

A K GAUTAM

6

GSP Coordinator Name

Rina krishnan

7

GSP Coordinator Email

rina.krishnan22@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9868599551

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	2773	1955	4728
Teachers	24	110	134
Non-Teaching Staff	18	1	19
TOTAL	2815	2066	4881

4(b)

How many visitors visit your school

72

5

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

210

6

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

April, June, July, Aug

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Rina Krishnan	Rina Krishnan
2.	Vidyut Shikha	shikhavidyut@gmail.com
3.	U R Sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K Gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pranab	pranab1234@gmail.com	6
2.	Sanu	sanu1234@gmail.com	6
3.	Mansi	mansi1234@gmail.com	6
4.	Pawni	pawni1234@gmail.com	6
5.	Astitva	astitva1234@gmail.com	6
6.	Manish	manish1234@gmail.com	6
7.	Sandhya	sandhya1234@gmail.com	6
8.	Karan	karan1234@gmail.com	6
9.	yovin	yovin1234@gmail.com	6
10.	Mayank	Mayank1234@gmail.com	6

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

1 How many classrooms does your school have?

60

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)
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class1,2, 3 section a,b,c,d,e	161.94	8.10	5.00
class 4 section a,b,c,d,e	161.94	8.10	5.00
class 5 section a,b,c,d,e	161.94	8.10	5.00
class 6 section a,b,c,d,e	161.94	8.10	5.00
class 7 section a,b,c,d,e	161.94	8.10	5.00
class 8 section a,b,c,d,e	161.94	8.10	5.00
class 9 section a,b,c,d,e	161.94	8.10	5.00
class 10 section a,b,c,d,e	161.94	8.10	5.00
class 11 section a,b,c,d,e	161.94	8.10	5.00
class 12 section a,b,c,d,e	161.94	8.10	5.00
TOTAL	1,619.42	80.97	

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	52	0	6	58
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	2000	20	6	2026
Taxi four-wheeler	35	32	0	67
Taxi three-wheeler	500	3	0	503
Personal four-wheeler	0	54	1	55

Personal two-wheeler	27	25	3	55
Bicycle	1500	0	3	1503
On foot	614	0	0	614
Others (non-motorised)	0	0	0	0
SUB-TOTAL	4728	134	19	4881

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.	Rina Krishnan	rina.krishnan22@gmail.com
2.	Vidyut Shikha	shikhavidyut@gmail.com
3.	U R sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K Gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anamika	anamika1234@gmail.com	6
2.	Sneha	sneha1234@gmail.com	6
3.	Ayush	ayush1234@gmail.com	6
4.	Astitva	astitva1234@gmail.com	6
5.	Mayank	mayank1234@gmail.com	6
6.	Pranab	pranab1234@gmail.com	6
7.	Sandhya	sandhya1234@gmail.com	6

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG-20160905-WA0008 %281%29.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)	11	39.60	3
Electricity from generator (diesel) (litres)	300	13680.00	3
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)	20	240.00	0
TOTAL	331.00	13959.60	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	19	1.5	3
Refrigerator	4	165	3
Microwave	3	2	1
Tube Lights	450	60	0

CFL Bulbs	80	6	0
LED Lights	40	2	0
Fans	430	53	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?

108

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.	Rina Krishnan	rina.krishnan22@gmail.com
2.	Vidyut Shikha	shikhavidyut@gmail.com
3.	U R sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K Gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Mayank	mayank1234@gmail.com	6
2.	Astitva	astitva1234@gmail.com	6
3.	Mansi	mansi1234@gmail.com	6
4.	Pawni	pawni1234@gmail.com	6

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_4357.JPG
2. IMG_4355.JPG

- 3. IMG_4361.JPG
- 4. IMG_4367.JPG
- 5. IMG_4358.JPG

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

4650.00

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

52.00

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	28	48000	7
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	3	3200	7
Confectionery items (chocolate, candies, gums)	6	2500	7
Ice-cream	0	0	0
Carbonated beverages	3	900	7
Sugar sweetened noncarbonated beverages	4	1800	7
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	500	7

Packaged/Bottled Energy Drinks	0	0	0
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Supporting Documents

1. IMG_4320 %281%29.JPG
2. IMG_4344.JPG
3. IMG_4344.JPG
4. IMG_4329.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	5,000
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

4(b)

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

No local snack is sold

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	600
Sweet lassi	426
Salted butter milk	782
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

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Rina krishnan	rina.krishnan22@gmail.com
2.	Vidyut Shikha	shikhavidyut@gmail.com
3.	U R Sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K Gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pranav Rath	pranav1234@gmail.com	6
2.	Ayush Chauhan	ayush1234@gmail.com	6
3.	Sandhya	sandhya1234@gmail.com	6
4.	Bhavya	bhavya1234@gmail.com	6

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)	8,095
Ground coverage area	1,814
Green landscaped area on-ground	4,776
Surface parking area	448
Play area that is paved/ concrete on ground	1,305
Play area that has grass on ground	4,776
Service Area on ground	200

Roof and terrace area	1,814
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,441
Total no. of floors	3
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	336	194	530
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_4321 %281%29.JPG
2. IMG_4322 %281%29.JPG
3. IMG_4324.JPG
4. IMG_4328.JPG
5. IMG_4332 %282%29.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Rina Krishnan	rina.krishnan22@gmail.com
2.	sayantan mondol	sayantan3m@gmail.com
3.	U R sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Karan Pandey		6
2.	Manish Nayak		6
3.	Yovin Choudhary		6
4.	Sneha		6
5.	Anamika		6

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	2700
Toilet flushing	200
Personal cleaning	10
Washing clothes	20
Cooking	15
Cleaning Utensils	5
Washing Vegetables	16

Mopping floors	20
Gardening	200
Total	3186

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?

Municipality

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?	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?	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).

0

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?

12

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

	Girls	Boys	Common	Total
Number of toilets	24	24	0	48

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

24

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

25

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.	Rina Krishnan	rina.krishnan22@gmail.com
2.	Vidyut Shikha	shikhavidyut@gmail.com
3.	U R Sharma	ursharma123@gmail.com

Administrative staff

Sno.	Name	Email
1.	A K Gautam	gautamarun577@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Mansi	mansi1234@gmail.com	6
2.	Pawni	pawni1234@gmail.com	6
3.	sneha	sneha1234@gmail.com	6
4.	Anamika	anamika1234@gmail.com	6
5.	Ayush	ayush1234@gmail.com	6

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. Students and teachers
2. Housekeeping (Sweeper)
3. 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	7	0	3	3	2
Common area (e.g. reception, corridors)	6	0	6	0	0
Staffroom	2	0	2	0	0
Laboratory	3	0	3	0	0
Canteen	7	0	5	2	0
Clinic/ Sick room	2	0	2	0	0
Library	3	0	3	0	0
Toilets	2	0	2	0	0
Others	8	0	8	0	0
Total	41	0	35	5	2

Supporting Documents

1. IMG_4315.JPG
2. IMG_4318.JPG
3. IMG_4323.JPG
4. IMG_4329.JPG
5. IMG_4325 %281%29.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	521
Paper	213
Plastic	20

Wood, glass, metal, classroom furniture	600
E-waste	0
Biomedical waste	0
Sanitary waste	35
Construction and Demolition (C & D) waste	100
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1689

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	100
Kitchen waste	121
Paper	132
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	353

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)?

50.00

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

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	4	4	0
VCR or DVD players	6	6	0
Refrigerators and freezers	4	4	0
Washing machines	0	0	0
Air conditioners	19	19	0
Heaters	0	0	0
Microwaves	3	3	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	200	200	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)	4	4	0
Projectors	12	12	0
Whiteboards	12	12	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	6	6	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	10	10	0
Pay telephones	3	3	0
Mobiles	150	150	0
Answering systems	1	1	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?

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 the curriculum , 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?

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?

The dimensions of the terrace has been measured by the concerned team for solar energy

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?

Yes

9(a) If yes, please share your suggestions.

addition of vermicomposting should be there apart from copmposting.

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?

13.00

Checklist of uploaded documents

1. Picture of Air Quality Monitoring equipment of school
2. Fuel Bills
3. Electricity Bill
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 bio-pesticides
11. Pictures of dustbins in classroom showing segregation at source
12. Pictures of playground with more than two dustbins
13. Picture of audit team weighing solid waste
14. Picture of types of solid waste generated
15. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
16. Pictures of housekeeping staff disposing different types of solid waste
17. Pictures of Electronic items used by school and storage of non-working electronic items
18. Waste Policy
19. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
20. Pictures of respective audit teams doing survey