



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA No.1
Address: Patel Park, AMBALA CANTT, AMBALA,
AMBALA, Haryana, India
Coordinator Name: SURESH KATOCH



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

Address

Patel Park, AMBALA CANTT, AMBALA, AMBALA, Haryana, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 171 (NUMBER) 2600775

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9467785515

5

Principal Name

Dr A K SHARMA

6

GSP Coordinator Name

SURESH KATOCH

7

GSP Coordinator Email

surekatoch@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9466994582

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	800	700	1500
Teachers	28	32	60
Non-Teaching Staff	7	3	10
TOTAL	835	735	1570

4(b)

How many visitors visit your school

20

5

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

220

6

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

July, Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Vijay Kumar Yadav	Mr. Vijay Kumar Yadav

Administrative staff

Sno.	Name	Email
1.	Anil kumar	aruday2k5@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ACHYUT UPADHYAY	RAMKANT1974V@GMAIL.COM	10
2.	AMAN KUMAR PANDEY	PANDEYAMAN26452@GMAIL.COM	10
3.	CHAKSHU YADAV	SINGH.RAJINDER17@YAHOO.COM	10
4.	KAPIL SINGH	STAFFYEOBANO@GMAIL.COM	10
5.	MUDASSAR JAVED	JAVED.MUDASSAR07@GMAIL.COM	10
6.	RISHABH AGGARWAL	RISHABHAGGARWAL2002@GMAIL.COM	10
7.	ROHIT KUMAR	AKASHCHETAN075@GMAIL.COM	10
8.	SANDEEP KUMAR	SANDEEP.130601@GMAIL.COM	10
9.	YESH YADAV	SINGH.RAJENDER17@YAHOO.COM	10
10.	RAHULKANT KUMAR	RAHULKANTKUMAR@GMAIL.COM	10

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

1

How many classrooms does your school have?

39

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)
2	47.13	14.34	30.42
3	47.13	14.34	30.42

4	47.13	14.34	30.42
5	47.13	14.34	30.42
6	42.63	10.05	23.57
7	42.63	10.05	23.57
9	42.63	10.05	23.57
10	42.63	10.05	23.57
11	42.63	10.05	23.57
12	42.63	10.05	23.57
TOTAL	444.28	117.64	

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	0	4	0	4
School Transport(Other than bus)	285	0	0	285
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	385	20	0	405
Personal four-wheeler	0	11	0	11
Personal two-wheeler	0	5	3	8
Bicycle	705	0	4	709
On foot	116	30	2	148

Others (non-motorised)	0	0	0	0
SUB-TOTAL	1491	70	9	1570

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.	kuldip singh	kuldiptakur78@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rajesh Kumar	rajesh37122@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	DEVANSHU	devanshusharma614@gmail.com	7
2.	SURYA	gingka555@gmail.com	7
3.	SAHILDEEP	sahildeep882@gmail.com	7
4.	HIMANSHU	himanshugujjar69@gmail.com	7
5.	NANCY	nmonu326@gmail.com	7
6.	AKANSHA	ak4111617@gmail.com	7
7.	JASPREET	manpreetkaur15545@gmail.com	7
8.	DIVANSHU RANA	ranibabita791@gmail.com	7

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)	1960	7056.00	0
Electricity from generator (diesel) (litres)	15	684.00	1
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)	16	825.60	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1991.00	8565.60	

Supporting Documents

1. fuel bill.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	10	1.5	3
Refrigerator	3	165	3
Microwave	1	18	2

Tube Lights	415	40	0
CFL Bulbs	25	25	0
LED Lights	0	0	0
Fans	375	250	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?

165

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.	MEENA DHAWAN	meenadhawan29@gmail.com

Administrative staff

Sno.	Name	Email
1.	Satpal	satpaldulgach@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	GARVIT	garvitrai013@gmail.com	10
2.	AMAN KUMAR	amanbhatiya5@gmail.com	10
3.	JATIN	sunnykumarnarwal@gmail.com	10
4.	BHAWNA	bhawnagacchan@gmail.com	10
5.	TANNU SINGH	virendraramvati@gmail.com	10
6.	NEESHA	nishasingh497@gmail.com	10
7.	ROJI	Roji180801@gmail.com	10
8.	LAKHWINDER	karnailc8@gmail.com	10
9.	KSHITIJ	palin@reddiffmail.com	10
10.	ANUBHAV	anubhav21102001@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

Supporting Documents

1. IMG_20161118_134304.jpg
2. IMG_20161118_134525.jpg

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

891.00

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

86.00

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	15	450	10
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)	10	1350	10
Ice-cream	0	0	0
Carbonated beverages	6	750	8
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0

Packaged/Bottled Energy Drinks	5	450	10
--------------------------------	---	-----	----

Supporting Documents

1. 20160804_133333.jpg
2. IMG-20161116-WA0011.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	200
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

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

nil

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?

No

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

No

Supporting Documents

1. 20160804_133239.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	suresh katoch	surekatoch@gmail.com

Administrative staff

Sno.	Name	Email
1.	charanjeet singh	charanjeetsingh@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shivam Kumar	shivamthakur495@gmail.com	11
2.	Pankaj Kumar Nagra	pankajkumarnagra37@gmail.com	11
3.	Anshika Rajput	soniarana306958@gmail.com	11
4.	Rohit Kumar	rkumar5555.rksa@gmail.com	11
5.	Manik Atri	manikatri1591@gmail.com	11
6.	Chakshu Sabherwal	sabherwalchakshu@gmail.com	11
7.	Harsh saini	rajeshk10jan@gmail.com	11
8.	Anilesh Kumar	akanilesh1771@gmail.com	11
9.	Mayank Verma	mayankverma221201@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 (m2)	146,000
Ground coverage area	129,545
Green landscaped area on-ground	110,050
Surface parking area	0
Play area that is paved/ concrete on ground	3,250

Play area that has grass on ground	73,000
Service Area on ground	0
Roof and terrace area	8,577
Green cover on exposed roof & terrace	0
Total built up/constructed area	16,455
Total no. of floors	2
Others	7,500

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	105	15	120
Animals	25	0	25

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. DSC02810.JPG
2. DSCN0555.JPG
3. DSCN1839.JPG
4. DSCN1896.JPG
5. DSCN0560.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Ajeet Kumar	ajeetkumarchem@gmail.com

Administrative staff

Sno.	Name	Email
1.	Charannjit singh	charanjitsingh6336@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	AAINA WALIA	vwalia@yahoo.com	12
2.	MANISHA RANA	megharana421@gmail.com	12
3.	NAMANDEEP KAUR	soniamultanisonu1@gmail.com	12
4.	DEEPTI	srn2712@gmail.com	12
5.	PIYUSH	piyushbehal@gmail.com	12
6.	VISHALI CHAUHAN	vaishalichauhantara@gmail.com	12
7.	SHILPI SINGH	shilpi2261@gmail.com	12
8.	SHWETA	prajapati_1537@rediffmail.com	12
9.	RUFSANA	rufsanaqureshi@gmail.com	12
10.	PRITHIVIRAJ MOHANTA	footandfoot1999@gmail.com	12

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	2500
Toilet flushing	3600
Personal cleaning	0
Washing clothes	0

Cooking	20
Cleaning Utensils	150
Washing Vegetables	15
Mopping floors	160
Gardening	3500
Total	9945

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

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?	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?	Yes
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. water bottels.JPG
2. water co.JPG
3. water con.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).

11043000

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?

28

9 How many hand pumps do you have?

0

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

80

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

	Girls	Boys	Common	Total
Number of toilets	16	22	4	42

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

14

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?

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.	Gurmeet Singh	gurmeet244@gmail.com

Administrative staff

Sno.	Name	Email
1.	charanjit singh	charanjitsingh6336@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	MANAN	supermehta16@gmail.com	11
2.	ADARSH	flower11188@gmail.com	11
3.	MAHIMA	mahima197@rediffmail.com	11
4.	PANKAJ	pankaj15082k@gmail.com	11
5.	ARYAN	aryanchoudhary166@gmail.com	11
6.	VIPIN	vk22914916@gmail.com	11
7.	GURHARNEET	gurharneet69@gmail.com	11
8.	SAURABH	saurabhrajarampatil15@gmail.com	11
9.	SHAKTI	kingshaktisingh254@gmail.com	11
10.	RAJAT	krajatgagat81@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. Housekeeping (Sweeper)

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	39	0	39	0	0
Playgrounds	3	1	2	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	2	0	2	0	0
Laboratory	8	0	8	0	0
Canteen	3	1	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	14	0	14	0	0
Others	11	2	9	0	0
Total	84	4	80	0	0

Supporting Documents

1. DSCN0840.JPG
2. DSCN0876.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	800
Kitchen waste	300
Paper	150
Plastic	90
Wood, glass, metal, classroom furniture	10
E-waste	0

Biomedical waste	15
Sanitary waste	125
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1490

Supporting Documents

1. DSCN0862.JPG
2. DSCN0866.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

Supporting Documents

1. DSCN0585.JPG
2. DSCN0584.JPG

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 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. DSCN0829.JPG

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)

Supporting Documents

1. DSCN0870.JPG

9

Does your school burn waste?

No

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

	Total	Working conditions	Non-working condition
TVs	2	2	0
VCR or DVD players	4	2	2
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	10	10	0
Microwaves	1	1	0
Ovens	3	3	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	80	80	0
Laptop computer (CPU, mouse, screen and keyboard included)	25	25	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	11	11	0
Copying equipment (Photocopiers)	5	5	0
Projectors	12	12	0
Whiteboards	12	12	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	2	1	1
Telex	0	0	0

Telephones	5	5	0
Pay telephones	0	0	0
Mobiles	70	70	0
Answering systems	0	0	0

Supporting Documents

1. DSCN0854.JPG
2. DSCN0858.JPG

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?

Yes

Supporting Documents

1. DSC03995.JPG
2. DSC03998.JPG

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

Supporting Documents

1. DSCN0585.JPG



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?

Please suggest the ways to implement water harvesting system in our vidyalaya. How to harness renewable resources of energy for our energy needs.

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?

Once

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?

57.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Photographs of lunch boxes
4. Picture of Canteen selling UPPF
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
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. Pictures of Electronic items used by school and storage of non-working electronic items
16. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
17. Pictures of respective audit teams doing survey