



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA SEC 31D
CHANDIGARH

Address: SEC 31D, CHANDIGARH,
CHANDIGARH, CHANDIGARH,
Chandigarh, India

Coordinator Name: Mr. Inderjit Singh



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 SEC 31D CHANDIGARH

2

Address

SEC 31D, CHANDIGARH, CHANDIGARH, CHANDIGARH, Chandigarh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 172 (NUMBER) 2638953

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9463355234

5

Principal Name

Dr.(Mrs) Sandhya Sharma

6

GSP Coordinator Name

Mr. Inderjit Singh

7

GSP Coordinator Email

inddi009@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9781446939

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	1167	868	2035
Teachers	15	55	70
Non-Teaching Staff	12	3	15
TOTAL	1194	926	2120

4(b)

How many visitors visit your school

1250

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?

Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	PALLAVI THAKUR	PALLAVI THAKUR
2.	ASHA RANI	ashupsingla@yahoo.com

Administrative staff

Sno.	Name	Email
1.	N L SINGLA	nl_singla30@yahoo.co.in
2.	RAJKUMAR	raj कुमार16764@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	HARSHIKA	harshikabansal01@gmail.com	11
2.	AKSHITA	akshitalavi@gmail.com	11
3.	SANGEETHA.K	sasikannolath@gmail.com	11
4.	SANJANA	sanjanasingh692000@gmail.com	11
5.	VANDANA KUMARI	vandanakumaripsg618@gmail.com	11
6.	NARO	22bendangnaro01@gmail.com	11
7.	SWATI KUMARI	swati22singh@gmail.com	11
8.	VIKAS	vikastaya420@gmail.com	11
9.	ABHILASH	abhijaijaraan001@gmail.com	11

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

1 How many classrooms does your school have?

48

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 ($Y/X \times 100$)
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1-D	79,488.00	1,651.50	2.08
3-B	79,488.00	2,699.50	3.40
6-A	79,488.00	2,699.50	3.40
7-B	79,488.00	2,803.00	3.53
9-A	79,488.00	2,699.50	3.40
10-A	79,488.00	2,699.50	3.40
11-A	79,488.00	1,651.50	2.08
11-B	79,488.00	2,699.50	3.40
12 -B	79,488.00	2,830.00	3.56
12-C	79,488.00	2,699.50	3.40
TOTAL	794,880.00	25,133.00	

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?

Operator-owned 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	305	1	4	310
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	500	0	0	500
Taxi four-wheeler	312	1	0	313
Taxi three-wheeler	60	0	0	60
Personal four-wheeler	220	26	0	246
Personal two-wheeler	10	30	4	44

Bicycle	150	0	2	152
On foot	478	11	4	493
Others (non-motorised)	0	1	1	2
SUB-TOTAL	2035	70	15	2120

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

5

How many students suffer from respiratory ailments ?

50

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.	VANITA DEVI	banitachbhardwaj123@gmail.com
2.	VANDANA SHARMA	vandana.sharma35a@gmail.com
3.	VIVEK KUNDAL	koundal99@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	N L SINGLA	
2.	RAJ KUMAR	

Students

Sno.	Name	Email	Grade/Class
1.	NISHNAT KUMAR		10
2.	AAYUSH RANNOUT		10
3.	PAWAN KUMAR		10
4.	RAHUL TARIA		10
5.	ROHIT		10
6.	RAJAT		10
7.	JITESH		10
8.	MAYANK		10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. electricity0002.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)	7000	25200.00	1,5
Electricity from generator (diesel) (litres)	90	4104.00	5
Petrol (litres)	0	0.00	0
Diesel (litres)	80	3648.00	5
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)	150	540.00	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14	722.40	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	7334.00	34214.40	

Supporting Documents

1. fuel bill0001.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	10	2	0
Refrigerator	03	165	0
Microwave	08	30	0
Tube Lights	274	40	0
CFL Bulbs	10	7	0
LED Lights	10	7	0
Fans	274	25	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?

300

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. 20161118_092925.jpg

2. 20161118_092935.jpg



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	SANGEETA MOHINI	rathoresangeeta197@gmail.com

Administrative staff

Sno.	Name	Email
1.	N L Singla	

Students

Sno.	Name	Email	Grade/Class
1.	PARAMPREET KAUR	parampreetkaurbains@gmail.com	10
2.	JASPREET KAUR	jaspreetkaurbains2001@gmail.com	10
3.	RUSHITA		
4.	PRATIBHA	pratibhasingh416@gmail.com	10
5.	MANISHA	manishaarya2020@gmail.com	10
6.	RUHI	greatruhi16@gmail.com	10
7.	SAHIBJOT KAUR	drparamjit.chd@gmail.com	10
8.	ARSHPREET KAUR	kaurpreetarsh02@gmail.com	10
9.	BHUMICA	kpuneet696@gmail.com	10
10.	DIKSHA	dikshafriends31@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. 20161117_110430.jpg

2(a)(1)

How many students out of total student population bring home-made lunch?

1555.00

2(a)(2)

Of the students who bring lunch from home, how many bring packaged food?

445.00

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	5	200	8
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	3	180	8
Potato fries and Burgers	1	300	8
Confectionery items (chocolate, candies, gums)	7	150	8
Ice-cream	3	100	2
Carbonated beverages	1	200	2
Sugar sweetened noncarbonated beverages	5	210	5
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	150	2

Packaged/Bottled Energy Drinks	1	150	5
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Supporting Documents

1. 20161115_140416.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?

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. 20161117_130906.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	RAJNI MAHAJAN	mittalrajni05@gmail.com
2.	VIVEK KOUNDAL	kaundal99@yahoo.com

Administrative staff

Sno.	Name	Email
1.	N L SINGLA	nl_singla30@yahoo.co.in

Students

Sno.	Name	Email	Grade/Class
1.	DHURAV SINGH		11
2.	RITIK KUMAR	ritikrajput@gmail.com	11
3.	KULDEEP SINGH	kuldeepsingh612000@gmail.com	11
4.	ABHISHEK JUND	anshu92@gmail.com	12
5.	RAJDEEP SINGH	rajdeepparmar20150@gmail.com	12

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)	26,305
Ground coverage area	2,427
Green landscaped area on-ground	332
Surface parking area	0
Play area that is paved/ concrete on ground	12,186
Play area that has grass on ground	6,174
Service Area on ground	20

Roof and terrace area	2,427
Green cover on exposed roof & terrace	0
Total built up/constructed area	2,427
Total no. of floors	4
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	100	21	121
Animals	70	0	70

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. big_32_272.jpg
2. big_32_273.jpg
3. big_32_274.jpg
4. big_32_294.jpg
5. big_32_287.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	KULWANT KAUR	hundal.kulwantkaur@gmail.com
2.	KAWALJEET KAUR	kawaljit.kaur@gmail.com
3.	KRISHNA RANA	krishnakumari20oct@yahoo.com

Administrative staff

Sno.	Name	Email
1.	N L SINGLA	
2.	RAJ KUMAR	

Students

Sno.	Name	Email	Grade/Class
1.	DIWAS ANGROIA		10
2.	SHUBHAM RAWAT		10
3.	HARMAN SINGH		10
4.	TARISH SHARMA		10
5.	PANKAJ SHARMA		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	6000
Toilet flushing	400
Personal cleaning	100
Washing clothes	25
Cooking	10

Cleaning Utensils	20
Washing Vegetables	16
Mopping floors	100
Gardening	500
Total	7171

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

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?	No
If your school has an eco-club, do they have water component?	No
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. DSC07612.JPG
2. DSC07610.JPG
3. DSC07606.JPG
4. water bill0001.JPG
5. 1.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).

2614050

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?

22

9 How many hand pumps do you have?

0

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

28

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

	Girls	Boys	Common	Total
Number of toilets	6	5	0	11

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

35

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?

No

18

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	SATWINDER KAUR	satwinderamit@gmail.com
2.	SANGEETA MOHINI	rathoresangeeta197@gmail.com
3.	VINEET KUMARI	navneetavneet@gmail.com

Administrative staff

Sno.	Name	Email
1.	KULWANT KAUR	
2.	KANCHAN	
3.	N L SINGLA	

Students

Sno.	Name	Email	Grade/Class
1.	SOUMYA		10
2.	VICKEY		10
3.	CHANPREET		10
4.	SIDDHRATH		10
5.	AKASH		10
6.	AAYAN		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. Students and teachers
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	1	0	1	0	0
Playgrounds	15	5	9	1	0
Common area (e.g. reception, corridors)	15	0	15	0	0
Staffroom	2	0	2	0	0
Laboratory	6	0	6	0	0
Canteen	3	0	3	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	3	0	3	0	0
Total	47	5	41	1	0

Supporting Documents

1. IMG-20161117-WA0005.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	50
Kitchen waste	5
Paper	35
Plastic	10
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 Generated Solid Waste (in kilogram)	100

Supporting Documents

1. IMG-20161117-WA0006.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)				

Supporting Documents

1. IMG-20161117-WA0001.jpg

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. IMG-20161117-WA0007.jpg
2. IMG-20161117-WA0004 %281%29.jpg
3. big_28_233.jpg
4. big_28_228.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	1	1	0
VCR or DVD players	5	5	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	2	2	0

Microwaves	1	1	0
Ovens	7	7	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	68	68	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	10	10	0
Copying equipment (Photocopiers)	2	2	0
Projectors	10	10	0
Whiteboards	15	15	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	8	8	0
Pay telephones	0	0	0
Mobiles	90	90	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?

No

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

Supporting Documents

1. big_21_190.jpg
2. big_21_205.jpg

13a

What form do these awareness drives take?

As part of the curriculum

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?

Assistance and guidance for water harvesting, paper recycling plant and solid waste disposal plant

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?

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?

Yes

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. Fuel Bills
2. Picture of Renewable sources of Energy
3. Photographs of lunch boxes
4. Picture of Canteen selling UPPF
5. Pictures of Green Cover
6. Building construction plan
7. Picture of types of solid waste generated
8. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
9. Pictures of housekeeping staff disposing different types of solid waste
10. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc