



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA PUNJAB LINES  
**Address:** CIRCULAR ROAD, MEERUT CANTT,  
MEERUT, MEERUT, Uttar Pradesh, India  
**Coordinator Name:** Mrs. GEETA TAYAL



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 PUNJAB LINES

2

Address

CIRCULAR ROAD, MEERUT CANTT, MEERUT, MEERUT, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 121 (NUMBER) 2661292

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9410443865

5

Principal Name

R K Sharma

6

GSP Coordinator Name

Mrs. GEETA TAYAL

7

GSP Coordinator Email

tayaigeeta@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9412629916

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	1187	963	2150
Teachers	35	44	79
Non-Teaching Staff	9	2	11
TOTAL	1231	1009	2240

4(b)

How many visitors visit your school

50

5

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

226

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.	Ruchi Sharna	Ruchi Sharna

#### Administrative staff

Sno.	Name	Email
1.	Mr. A P Singh	apsinghmeerut@gmail.com
2.	Mrs. Neeti Rani Sharma	neeti5678@gmail.com
3.	Mrs. Varsha	dolly14.2010@rediffmail.com
4.	Mr. Anil	ruchisachin.27@gmail.com
5.	Mr. Hari Prasad	ruchisachin.27@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Bhagwati	yuvrajsinghkvmeerut@gmail.com	8
2.	Nisha	anilrair@gmail.com	8
3.	Jiya Kamy	skumar830@gmail.com	8
4.	Vidhi Gill	anjali098kumari@gmail.com	9
5.	Anmol Dagar	anmoldagar23@yahoo.com	9
6.	Aman Trigati	kawarj97@gmail.com	9
7.	Ankit	ankushkumar1234@gmail.com	9

### 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 = Area of floor (LxB)	Y = Area of openings (LxH)	Percentage of the floor area being ventilated (Y/X x 100)
I A	49.00	4.32	8.82

II B	49.00	4.32	8.82
III C	49.00	4.32	8.82
IV D	49.00	4.32	8.82
VI C	44.28	6.48	14.63
VIII A	44.28	6.48	14.63
X C	47.78	6.48	13.56
XI B	49.00	6.48	13.22
XII D	49.00	6.48	13.22
XII A	47.78	6.48	13.56
TOTAL	478.12	56.16	

### 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	783	6	0	789
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	276	0	0	276
Taxi three-wheeler	200	8	0	208
Personal four-wheeler	0	12	0	12
Personal two-wheeler	0	31	0	31
Bicycle	620	0	05	625

On foot	241	16	4	261
Others (non-motorised)	38	0	0	38
SUB-TOTAL	2158	73	9	2240

### 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.	Mrs. Anjali	anjalinain8@gmail.com
2.	Mrs. Vandana Tyagi	v.tyagi@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. S P Singh	
2.	Mrs. Versha	
3.	Mr. Anuj	
4.	Mr. Bahadur	

#### Students

Sno.	Name	Email	Grade/Class
1.	Chandan	mk8723625@gmail.com	8
2.	Isha	isha2608@gmail.com	8
3.	Anshika	gur.ansh@gmail.com	8
4.	Heena	heena381@yahoo.com	8
5.	Abhishek	km.abhishek@gmail.com	8
6.	Lunesh	kv1349.lun@gmail.com	8
7.	Himashu	himanshuchaudhry2003@gmail.com	8

### 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)	6139	22100.40	5
Electricity from generator (diesel) (litres)	44	2006.40	5
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)	6	309.60	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	6189.00	24416.40	

### Supporting Documents

1. fuel bill %282%29.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	10	1.5	3



Refrigerator	1	165	3
Microwave	0	0	0
Tube Lights	290	40	3
CFL Bulbs	20	20	3
LED Lights	0	0	0
Fans	250	80	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?

300

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.	Ms. Sadia Hasan	sdhasan8@gmail.com
2.	Mrs. Manjula Paliwal	manjupali@gmail.com
3.	Mrs. Shuchi Kaushik	shuchisharma67@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. R K Sharma	sharma_k1976@rediffmail.com
2.	Mr. A P Singh	apsinghmeerut@gmail.com
3.	Mrs. Neeti Rani Sharma	neeti5678@gmail.com
4.	Mrs. Varsha	dolly14.2010@rediffmail.com
5.	Mr. A Shukla	shukla.mrt@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Hansika	tayalgeeta@gmail.com	8
2.	Arshia	ajay4375@gmail.com	8
3.	Chandan	mk8723625@gmail.com	8
4.	Lunesh	lunesharma@gmail.com	8
5.	Bharat	bharatkabit06042003@gmail.com	8
6.	Prateek	surbhicool@gmail.com	9
7.	Adarsh	aadarshkumar293@gmail.com	9
8.	Kalpana	207minakshi@gmail.com	9
9.	Kirti	rinkichaudhary2255@gmail.com	9
10.	Vinita	binnig61@gamil.com	

### 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. lunchbox.jpg

2(a)(1)

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

2000.00

2(a)(2)

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

150.00

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	600	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	10
Potato fries and Burgers	1	100	10
Confectionery items (chocolate, candies, gums)	7	800	10
Ice-cream	0	0	10
Carbonated beverages	0	0	10

Sugar sweetened noncarbonated beverages	1	200	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	175	10
Packaged/Bottled Energy Drinks	0	0	10

## Supporting Documents

1. 2.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	250
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	100

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

samosa and patties

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	70
Sweet lassi	0
Salted butter milk	80

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?

Yes

6(a)

Please provide details

Frooti, Choclote, Biscuit, Toffees

7

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a)

Please provide the names?

Dairy Milk, Perk, Kitkat, Milkybar, 5 star

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.	Mrs. Manjula Paliwal	manjulap1641@gmail.com
2.	Mr. Manoj Kumar Sharma	mannus69@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mrs. Varsha	
2.	Mr. Anil Kumar	anilkvpl@gmail.com
3.	Mr. Ashutosh Shukla	ashukla.meerut@gmail.com
4.	Mr. Vishwadeep	misthipandit@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Sanyam	sanyams99@gmail.com	12
2.	Manas Pandey	poonamtiwari@gmail.com	6
3.	Jai Kumar	jaipawar31@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 (m <sup>2</sup> )	58,680
Ground coverage area	4,421
Green landscaped area on-ground	32,440
Surface parking area	0
Play area that is paved/ concrete on ground	800
Play area that has grass on ground	12,346
Service Area on ground	196

Roof and terrace area	8,182
Green cover on exposed roof & terrace	0
Total built up/constructed area	8,182
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	73	25	98
Animals	22	0	22

### 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. building.jpg
2. green cover.jpg
3. landscape.jpg
4. bldg 2.jpg
5. bldg 3.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Meenakshi Sharma	upnvm@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. R K Sharma	sharma_k1976@rediffmail.com
2.	Mr. A P Singh	apsinghmeerut@gmail.com
3.	Mrs. Neeti Rani Sharma	neeti5678@gmail.com
4.	Mrs. Varsha	dolly14.20110@rediffmail.com
5.	Mr. A Shukla	shukla.mrt@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Rinki Teotia		9
2.	Meenakshi Kumari		9
3.	Neelu Shukla		8
4.	Abhishek Negi		8
5.	Isha Chowdhary		8
6.	Drishti Sharma		8

### 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	1400
Toilet flushing	6000
Personal cleaning	0
Washing clothes	0



Cooking	10
Cleaning Utensils	50
Washing Vegetables	10
Mopping floors	80
Gardening	7000
Total	14550

### 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, 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?	No
Are dual flush systems installed in the toilets?	No
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?	No
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. flush.JPG
2. furcaria.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).

18000

## 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?	No

8 How many drinking water taps do you have?

28

9 How many hand pumps do you have?

2

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

52

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

	Girls	Boys	Common	Total
Number of toilets	26	20	0	46

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

27

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

2

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

Used for gardening and horticulture

### Supporting Documents

1. Green School Water.jpg



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Dinesh Kumar	sarthak.7852@gmail.com
2.	Mrs. Manjula Paliwal	manjulap1641@gmail.com
3.	Mr. Anil Kumar	anil618@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mrs. Neeti Rani Sharma	neetirs1412@gmail.com
2.	Mr. Dharampal	sarthak.7852@gmail.com
3.	Mr. Vijender	sarthak.7852@gmail.com
4.	Mr. Raju	sarthak.7852@gmail.com
5.	Mr. Hari Prasad	sarthak.7852@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Daksh	dakshtyagi560063@yahoo.in	8
2.	Bhavnesb	bsinghk107@gmail.com	9
3.	Himanshu	himanshukgoswami3@gmail.com	9
4.	Anjali	anjali098kumari@gmail.com	8
5.	Aryan Kumar	aryan_785@gmail.com	8
6.	Prateek Kasana	surabhi13@gmail.com	9
7.	Mohd. Musharat	musharat491@gmail.com	8

### 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	48	0	48	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	2	0	0	2	0
Staffroom	2	0	2	0	0
Laboratory	11	0	11	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	0	1	0
Library	1	0	1	0	0
Toilets	19	0	19	0	0
Others	8	0	8	0	0
Total	96	0	91	5	0

### Supporting Documents

1. pic1.jpg
2. pic2.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	170
Kitchen waste	20
Paper	70
Plastic	1
Wood, glass, metal, classroom furniture	10

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)	271

### Supporting Documents

1. pic3.jpg
2. solid waste.JPG

## 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	0
Kitchen waste	5
Paper	70
Plastic	1
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total (in kilogram)

81

5 Does your school have a composting facility?

No

6 Does your school encourage students &amp; 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. solid waste.JPG

### Task 5: How does your school dispose waste?

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



Open dumping

## Supporting Documents

1. DSC02151 3.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	2	2	
VCR or DVD players	1	1	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	7	7	
Heaters	0	0	
Microwaves	1	1	
Ovens	2	1	1
Toasters	0		
Electric Kettles	0		
Personal computers (CPU, mouse, screen and keyboard included)	0		
Laptop computer (CPU, mouse, screen and keyboard included)	0		
Notebook computers	0		
Notepad computers	0		
Printers	8	8	
Copying equipment (Photocopiers)	3	3	
Projectors	10	10	
Whiteboards	5	5	

Electrical & electronic typewriters	0		
Pocket & desk calculators	6	6	
Fax machines	0		
Telex	0		
Telephones	0		
Pay telephones	4	4	
Mobiles	0		
Answering systems	0		

### Supporting Documents

1. pic4.jpg
2. pic5.jpg
3. pic5.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. art competition.JPG
2. plantation.JPG
3. recycle.JPG

13a

What form do these awareness drives take?

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?

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?

Teacher interactive workshops organized by GSP Team.

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?

10.00

### 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 playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
12. Pictures of respective audit teams doing survey