



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA ANDREWS  
GANJ

**Address:** NEAR MOOLCHAND FLYOVER, NEW  
DELHI, NEW DELHI, NEW DELHI, Delhi,  
India

**Coordinator Name:** Mrs. Kiran Raina



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 ANDREWS GANJ

2

Address

NEAR MOOLCHAND FLYOVER, NEW DELHI, NEW DELHI, NEW DELHI, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 26434112

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9650811999

5

Principal Name

Rashmi Mishra

6

GSP Coordinator Name

Mrs. Kiran Raina

7

GSP Coordinator Email

kkraina1@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9650492670

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	2420	1581	4001
Teachers	70	42	112
Non-Teaching Staff	8	16	24
TOTAL	2498	1639	4137

4(b)

How many visitors visit your school

10000

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?

Nov

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr Mangal Ram	Mr Mangal Ram
2.	Mrs Renu Shah	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Pitamber	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Shweta Snigdha	kendriya.v@rediffmail.com	11

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

1 How many classrooms does your school have?

75

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)
XI A	65.00	5.60	8.62
XI B	65.00	5.60	8.62
XI C	65.00	5.60	8.62
XI D	65.00	5.60	8.62
XI E	65.00	5.60	8.62
XII A	65.00	5.60	8.62
XII B	65.00	5.60	8.62
XII C	65.00	5.60	8.62

XII D	65.00	5.60	8.62
XII E	65.00	5.60	8.62
TOTAL	650.00	56.00	

### 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
School Bus	0	0	0	0
Public Bus	92	2	3	97
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	3716	48	16	3780
Taxi four-wheeler	0	2	0	2
Taxi three-wheeler	0	5	2	7
Personal four-wheeler	0	29	0	29
Personal two-wheeler	0	18	3	21
Bicycle	0	0	0	0
On foot	193	8	0	201
Others (non-motorised)	0	0	0	0
SUB-TOTAL	4001	112	24	4137

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

5

How many students suffer from respiratory ailments ?

10

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.	Mr Neeraj Tyagi	kendriya.v@rediffmail.com
2.	Ms Nirmala Pandey	kendriya.v@rediffmail.com
3.	Mr Raj Kumar	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajendra Singh Bisht	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aditya Sharma	kendriya.v@rediffmail.com	11

### Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

No documents uploaded by the school.

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)	88	316.80	1
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)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>88.00</b>	<b>316.80</b>	

### Supporting Documents

1. Electricity bill-resized.jpeg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	12	2	3
Refrigerator	1	165	3
Microwave	0	0	0
Tube Lights	320	40	0
CFL Bulbs	0	0	0
LED Lights	2	7	0
Fans	300	50	0



## Supporting Documents

1. WhatsApp Image 2016-11-19 at 1.07.48 PM.jpeg

### Task 3: Is your school using any renewable sources of energy?

5

What is the average number of sunny days in your area?

170

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.	Mr P N Ram	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Pitamber	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aneesh Nema	kendriya.v@rediffmail.com	12

### 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

No documents uploaded by the school.

2(a)(1)

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

3017.00

2(a)(2)

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

3017.00

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	1	6000	10
Confectionery items (chocolate, candies, gums)	1	15000	10
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	12000	10
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.

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?

Yes

6(a) Please provide details

Frooti and biscuit

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.	Parth	kendriya.v@rediffmail.com
2.	Nirmala Pandey	kendriya.v@rediffmail.com
3.	Asim Khan	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajender	kendriya.v@rediffmail.com
2.	Dharmender	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Vikas Yadav	kendriya.v@rediffmail.com	12
2.	Isha Sharma	kendriya.v@rediffmail.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)	24,281
Ground coverage area	10,737
Green landscaped area on-ground	208
Surface parking area	1,214
Play area that is paved/ concrete on ground	2,342
Play area that has grass on ground	59
Service Area on ground	348
Roof and terrace area	9,373

Green cover on exposed roof & terrace	0
Total built up/constructed area	9,373
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	91	0	91
Animals	23	0	23

### 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-20161119-WA0035.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Anil Dhiman	kendriya.v@rediffmail.com
2.	Poonam Shah	kendriya.v@rediffmail.com
3.	Shalini Diwan	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajender	kendriya.v@rediffmail.com
2.	Dharmendra	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mohd. Arbaaz Shah	kendriya.v@rediffmail.com	12
2.	Isha Sharma	kendriya.v@rediffmail.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	3000
Toilet flushing	1000
Personal cleaning	200
Washing clothes	0
Cooking	100
Cleaning Utensils	300
Washing Vegetables	50
Mopping floors	200

Gardening	2000
Total	6850

### 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?	Yes
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

No documents uploaded by the school.

## 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?.

No

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening

6(b)(2)

Does your school have rainwater storage tank?

No

6(c)

How much area in your school is harvested?

10 to 20 per cent

6(d)

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

Storage tank

6(e)

Rate your catchment on cleanliness:

Good

### Supporting Documents

1. IMG-20161119-WA0040.jpg

6(f)

Does your school clean your catchment and system (structure)?

No

6(g)

Does your school monitor the rainwater harvesting structure for its efficiency?

No

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?

No

**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?

60

9

How many hand pumps do you have?

0

10

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

70

11

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

	Girls	Boys	Common	Total
Number of toilets	39	29	0	68

12

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

16

13

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

3

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.	Monika Chaudhary	kendriya.v@rediffmail.com
2.	Varsha Jain	kendriya.v@rediffmail.com
3.	Archana Shahi	kendriya.v@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Pitamber	kendriya.v@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mohd. Arbaaz Khan	kendriya.v@rediffmail.com	12
2.	Vikas Yadav	kendriya.v@rediffmail.com	12

### 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	75	0	75	0	0
Playgrounds	8	0	8	0	0

Common area (e.g. reception, corridors)	16	0	16	0	0
Staffroom	4	0	4	0	0
Laboratory	0	0	0	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	10	0	10	0	0
Others	2	0	2	0	0
Total	119	0	119	0	0

### Supporting Documents

1. IMG-20161119-WA0039.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	250
Kitchen waste	135
Paper	120
Plastic	230
Wood, glass, metal, classroom furniture	200
E-waste	75
Biomedical waste	4
Sanitary waste	10
Construction and Demolition (C & D) waste	750
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

1774

No documents uploaded by the school.

**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 &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)	✗	✓	✗	✗

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?

Designated dumping site (Dhalao)

### Supporting Documents

1. IMG-20161119-WA0058%281%29.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	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	12	12	0
Heaters	10	10	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	5	5	0
Personal computers (CPU, mouse, screen and keyboard included)	166	166	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	17	17	0



Copying equipment (Photocopiers)	2	2	0
Projectors	13	13	0
Whiteboards	13	13	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	8	8	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	8	8	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

### Supporting Documents

1. computer\_lab.jpg
2. chemistry\_lab.jpg

11

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

### Supporting Documents

1. IMG-20161119-WA0069.jpg
2. IMG-20161119-WA0064.jpg

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?

No

13

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

Yes

**Supporting Documents**

1. IMG-20161119-WA0036.jpg
2. IMG\_20160808\_084751.jpg
3. DSC04833.JPG
4. DSC04837.JPG

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?

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?

Assist Water harvesting Program Assistance in Vermi-Composting Waste Management

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Average
Distribution of time among tasks	Average
Sequencing of tasks	Average
Orientation for conducting tasks	Average

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?

No

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?

No

13(a)

If no, why?

No Activities especially done with Water

### Checklist of uploaded documents

1. Electricity Bill