



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA CANTT  
**Address:** NEAR OLD NAGAR NAKA,  
AURANGABAD, Aurangabad,  
Aurangabad, Maharashtra, India  
**Coordinator Name:** KIRAN WARKAD



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 CANTT

2

Address

NEAR OLD NAGAR NAKA, AURANGABAD, Aurangabad, Aurangabad, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0240 (NUMBER) 2370563

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9730684898

5

Principal Name

N S WATHORE

6

GSP Coordinator Name

KIRAN WARKAD

7

GSP Coordinator Email

kiran.warkad@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9730684898

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	956	704	1660
Teachers	24	14	38
Non-Teaching Staff	4	2	6
TOTAL	984	720	1704

4(b)

How many visitors visit your school

10

5

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

225

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.	SusheelaRani	SusheelaRani
2.	Meena Mudale	meenamudalekva@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Wankar M	wankarm@gmail.com
2.	Sunil Shrivastava	sunilshrivastava94@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Poornima	poornimagarad1@gmail.com	10
2.	Prajwal	prajwalthoratd90@gmail.com	10
3.	Shravani	shravanilomte2002@gmail.com	9
4.	Brijesh	brijeshnd61@gmail.com	9

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

1 How many classrooms does your school have?

40

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, B, C	147.00	63.00	42.86
II A, B, C	147.00	63.00	42.86
III A, B, C	147.00	63.00	42.86
IV A, B, C	147.00	63.00	42.86
V A, B, C	147.00	63.00	42.86

VI A, B, C	147.00	63.00	42.86
VII A, B, C	147.00	63.00	42.86
VIII A, B, C	147.00	63.00	42.86
IX A, B, C, D	196.00	84.00	42.86
X A, B, C, D	196.00	84.00	42.86
<b>TOTAL</b>	<b>1,568.00</b>	<b>672.00</b>	

### 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	632	0	0	632
Public Bus	0	0	1	1
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	627	2	0	629
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	227	3	1	231
Personal four-wheeler	0	5	0	5
Personal two-wheeler	113	14	0	127
Bicycle	29	0	0	29
On foot	32	14	4	50
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1660</b>	<b>38</b>	<b>6</b>	<b>1704</b>

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

5

How many students suffer from respiratory ailments ?

4

6

Does the school laboratory have air quality monitoring equipment?

Yes

### Supporting Documents

1. IMG\_20161108\_153856.jpg
2. IMG\_20161108\_153918.jpg
3. IMG\_20161108\_154720.jpg



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	Saroja Agashe	sragashe26@gmail.com
2.	Jude Joseph	jude.kvs@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Wankar M	wankarm@gmail.com
2.	Rachana Dabhade	rachanadabhade17@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Bhagyalakshmi	kowdikibhagyalakshmi@gmail.com	10
2.	Bhushan W	bhushanw333@gmail.com	10
3.	Manish Jarwal	manishjarwal7098@gmail.com	10
4.	Harsha Kasare	harshakasare@gmail.com	10

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

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. IMG\_20161115\_145637.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)	600	2160.00	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
TOTAL	600.00	2160.00	

### Supporting Documents

1. IMG\_20161115\_145652.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	0	0
Refrigerator	1	160	0
Microwave	0	0	0
Tube Lights	250	36	0



CFL Bulbs	20	30	0
LED Lights	0	0	0
Fans	220	18	0

### Supporting Documents

1. IMG\_20161115\_145948.jpg

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

5

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

270

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.	Shaheen Tabassum	tabassumshaheen24@gmail.com
2.	Arpita Das	arpita.kvs@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Devkate D B	devkatehindi@yahoo.com
2.	Shaikh Hussain	shaikhhussain78@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Rohit Ghusar	rohitghusar2001@gmail.com	9
2.	Amita P	amitap2002@gmail.com	9

### 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\_20161115\_150148.jpg

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

1660.00

2(a)(2)

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

0.00

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	0	0	0
Confectionery items (chocolate, candies, gums)	0	0	0
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
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

Biscuits and dairy milk

7

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

Yes

7(a)

Please provide the names?

Dairy milk

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.	Wankar M	wankarm@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sunil Jadhav	sunphysics.2009@yahoo.com
2.	Bhalerao Dhanraj	dhanrajbhalerao@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Brijesh	brijesh61@gmail.com	9
2.	Ashwini Patil	ashwini.b.patil7316@gmail.com	9
3.	Sumedh Ghodke	sumedhghodke731@gmail.com	10

### 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)	3,570
Ground coverage area	1,785
Green landscaped area on-ground	0
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0
Service Area on ground	0
Roof and terrace area	1,785
Green cover on exposed roof & terrace	0

Total built up/constructed area	3,570
Total no. of floors	2
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	20	0	20
Animals	3	0	3

### 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. IMG\_20161108\_152956.jpg
2. IMG\_20161115\_145541.jpg
3. IMG\_20161108\_152942.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Susheela Rani	susheelaranimudliar@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rachana Dabade	rachanadabade17@gmail.com
2.	Shaikh Hussain	shaikhussain78@rediffmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Shruti Kulkarni	shruti.kulkarni7427@rediffmail.com	9
2.	Tanisha Surwade	dr.gajanansurwade@gmail.com	9

### 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	5500
Toilet flushing	5500
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	66
Gardening	600

Total	11666
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### Task 3: What are the sources, supply and storage of water in your school

2 Where does the water your school uses, come from?

Surface 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

=1 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?	Yes
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)	Yes



### Supporting Documents

1. IMG\_20161115\_150211.jpg
2. IMG\_20161115\_145713.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).

50000

### 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?

30

9

How many hand pumps do you have?

0

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

10

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

	Girls	Boys	Common	Total
Number of toilets	4	4	2	10

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

10

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

10

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?

Yes

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.	Wankar M	wankarm@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sunil Jadhav	sunphysics2009@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Simerdhan Paswan	simerdhanpaswan@gmail.com	9
2.	Rohit Falke	rohitfalke456@gmail.com	9
3.	Kunal Gaikwad	kunalgaikwad@gmail.com	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. 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	40	0	40	0	0
Playgrounds	0	0	0	0	0
Common area (e.g. reception, corridors)	4	0	4	0	0

Staffroom	2	0	2	0	0
Laboratory	4	0	4	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	10	0	10	0	0
Others	0	0	0	0	0
Total	62	0	62	0	0

### Supporting Documents

1. IMG\_20161115\_145810.jpg
2. IMG\_20161115\_145820.jpg
3. IMG\_20161115\_150201.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	5
Kitchen waste	0
Paper	20
Plastic	0
Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	10
Construction and Demolition (C & D) waste	10
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

46

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?

Landfill Site

### Supporting Documents

1. IMG\_20160802\_123831.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	0	0	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	107	107	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	13	13	0

Copying equipment (Photocopiers)	3	3	0
Projectors	14	14	0
Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	2	2	0
Telex	0	0	0
Telephones	6	6	0
Pay telephones	0	0	0
Mobiles	44	44	0
Answering systems	0	0	0

### Supporting Documents

1. IMG\_20161115\_151018.jpg
2. IMG\_20161115\_145948.jpg

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?

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

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?

2015-16

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?

A rain harvesting project and vermi compost.

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?

20.00

### Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Photographs of lunch boxes
5. Pictures of landscaped area
6. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Picture of types of solid waste generated
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of Electronic items used by school and storage of non-working electronic items