



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Kendriya Vidyalaya Nasik Road Camp  
**Address:** Near artillery centre , vadner gate, nasik  
road camp, nashik, Nashik, Nashik,  
Maharashtra, India  
**Coordinator Name:** Nimisha 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 Nasik Road Camp

2

**Address**

Near artillery centre , vadner gate, nasik road camp, nashik, Nashik, Nashik, Maharashtra, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 0253 (NUMBER) 2415429

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 7709102089

5

**Principal Name**

Bhagyawati Negi

6

**GSP Coordinator Name**

Nimisha Singh

7

**GSP Coordinator Email**

nmsaprbn@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 7387592117

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	757	653	1410
Teachers	10	20	30
Non-Teaching Staff	7	2	9
TOTAL	774	675	1449

4(b)

How many visitors visit your school

30

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.	Shailaja	Shailaja
2.	Rohini	rohini.jungle@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Wagh	sunilwagh72@gmail.com
2.	Mr. Shaikh	raj60002490@yahoo.com
3.	Mr. Umesh	umeshtungar70@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	sahil	sahilmutadak001@gmail.com	11
2.	nishant	nishatujjwal@gmail.com	11

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

1 How many classrooms does your school have?

18

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)
X C	44.89	4.70	10.47
VI B	48.20	4.70	9.75
XI C	44.89	4.70	10.47
VII B	42.23	4.70	11.13
VIII B	42.23	4.70	11.13

VII A	42.23	4.70	11.13
XII B	44.80	4.70	10.49
XII A	44.80	4.70	10.49
VIII C	42.23	4.70	11.13
VI A	44.89	4.70	10.47
<b>TOTAL</b>	<b>441.39</b>	<b>47.00</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?

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	192	0	0	192
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	36	0	0	36
Taxi four-wheeler	789	3	0	792
Taxi three-wheeler	82	3	0	85
Personal four-wheeler	30	4	0	34
Personal two-wheeler	87	19	7	113
Bicycle	120	1	1	122
On foot	74	0	1	75
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1410</b>	<b>30</b>	<b>9</b>	<b>1449</b>

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

5

How many students suffer from respiratory ailments ?

84

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.	Ujjwala Chandorkar	ujjwala2011@hotmail.com
2.	Nimisha Singh	nmsaprbn@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	N H Shaikh	raj60002490@yahoo.com
2.	Sunil Wagh	sunilrwagh72@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Yadu Nandan	yadu141299@gmail.com	11
2.	Chirag Behera	rcbehera69@gmail.com	11

### 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)	1007	3625.20	5
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)	7	361.20	0
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>1014.00</b>	<b>3986.40</b>	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	4	0.5	3
Refrigerator	2	120	3
Microwave	2	20	3
Tube Lights	170	40	3
CFL Bulbs	10	40	3
LED Lights	0	0	3
Fans	112	60	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.	Mrs. Shailaja Ughade	shailaja.ughade@gmail.com
2.	Mrs. Rohini Jungle	rohini.jungle@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Wagh	sunilwagh72@gmail.com
2.	Mr. Shaikh	raj60002490@yahoo.com
3.	Mr. Umesh	umeshtungar70@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mayur	mayur@gmail.com	8
2.	Aishwarya		11
3.	Nishant		11
4.	Chaitnya		7
5.	Sahil .L		6
6.	Mukesh		6

### 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

No documents uploaded by the school.

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

1210.00

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

200.00

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

Cadbury/Dairy Milk

7

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

Yes

7(a)

Please provide the names?

Biscuits, Dairy Milk, Samosa

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.	jeevan borade	jeevanborade90@gmail.com
2.	sunilkumar damare	sunilmdamare@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. N H Shaikh	raj60002490@yahoo.com
2.	Mr. S Wagh	sunilwagh72@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Muskaan		
2.	Sonali		
3.	Mosaum		
4.	Shruti		
5.	Ajay		
6.	Akash		
7.	Rinky		

### 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> )	60,703
Ground coverage area	15,000
Green landscaped area on-ground	3,000
Surface parking area	0
Play area that is paved/ concrete on ground	500

Play area that has grass on ground	5,000
Service Area on ground	500
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	35,000
Total no. of floors	1
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	760	140	900
Animals	480	60	540

### 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. ann4.jpg
2. ann6.jpg
3. ann7.jpg
4. ann8.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms Nimisha Singh	nmsaprbn@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Sunil Wagh	sunilrwagh72@gmail.com
2.	Mr NH Shaikh	raj60002490@yahoo.com
3.	Mr Umesh Tungar	umeshtungar70@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Kartik Sharma	Ruchisweet@gmail.com	9
2.	Karan Jadhav	KaranDanielJadhav@gmail.com	9
3.	Aniket Dandhare	aniketaniketpa@yahoo.com	9
4.	Shivam	mamtasantoshkhandagale803@gmail.com	9
5.	Yash	CHANDRAKANTKRUPWATE@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	1500
Toilet flushing	10000
Personal cleaning	750
Washing clothes	75
Cooking	5
Cleaning Utensils	4
Washing Vegetables	1

Mopping floors	30
Gardening	377
Total	12742

### 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?

Public Health Engineering Department (PHED)

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?	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?	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. DSC03108.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).

30000

### 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?

15

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	14	21	0	35

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?

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

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

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Nimisha Singh	nmsaprbn@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Sunil Wagh	sunilwagh72@gmail.com
2.	N H Shaikh	raj60002490@yahoo.com
3.	Umesh Tungar	umeshtungar70@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Utkarsh Pandey	utkarshkpandey@gmail.com	9
2.	Khushbu Singh	singhvirandar8@gmail.com	9
3.	Anjali Kumari	anjalikumari444@gmail.com	9
4.	Nurjanat Khatun	azadalam10081@gmail.com	9
5.	Siddhi Borade	sudhri.brd@gmail.com	9
6.	Priyadharshini	priyadharshini9a@gmail.com	9

### Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

No

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	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0

Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	1	0	1	0	0
Total	9	0	9	0	0

### Supporting Documents

1. DSC03099.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	150
Kitchen waste	30
Paper	200
Plastic	100
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	3
Sanitary waste	1200
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1683

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 & 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. DSC03113.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. DSC03102.JPG

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPaper

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	2	2	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	4	4	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0

Personal computers (CPU, mouse, screen and keyboard included)	100	75	25
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	4	4	0
Projectors	16	16	0
Whiteboards	11	11	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	1	0	1
Telex	0	0	0
Telephones	2	2	0
Pay telephones	1	1	0
Mobiles	1	1	0
Answering systems	0	0	0

### Supporting Documents

1. DSC03110.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?

No

13

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

Yes

### Supporting Documents

1. DSC03081.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

### Supporting Documents

1. DSC03100.JPG
2. DSC03101.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?

No

3(a)

If no, then please share your suggestions.

It was a meaningless data based exercise. Environmental education requires lots and lots of field work and not data collection.

4

Was the audit easy-to-understand and self-explanatory?

No

5

Did you understand the present format of the GSP?

No

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?

Visit schools with practical knowledge of composting, water harvesting etc. Show live how it can be done easily and how it can be monitored after it has been started.

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?

Yes

9(a)

If yes, please share your suggestions.

Air and Food related pages have irrelevant data sheet where students or staff can't do much. School infrastructure can't be altered once built and all schools do not have canteens. All this should be deleted. Bring role models or people practising organic farming, water harvesting, waste management to schools. There can be a page for knowing the surrounding environment of a school, like how many agricultural fields are in the neighbourhood etc

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?

Twice

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?

No

12(a)

If no, please share your suggestions?

Water efficiency in school is a basic infrastructure related issue. Schools or children and the staff already know about water efficiency but to make instrumental changes some practical exposure and information is needed. An environmental engineer or civil engineer should show in schools how water harvesting can be done easily or waste water can be re utilised.

13

Did your students enjoy doing the Water activities?

No

13(a)

If no, why?

Because it was simple data collection and mathematical calculations!

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of housekeeping staff disposing different types of solid waste

6. Pictures of Electronic items used by school and storage of non-working electronic items
7. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
8. Pictures of respective audit teams doing survey