



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALYA INS HAMLA  
**Address:** INS HAMLA MARVE ROAD, MALAD  
WEST MUMBAI, MALAD WEST, Mumbai  
Suburban, Maharashtra, India  
**Coordinator Name:** PRATIBHA ASHOK



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 VIDYALYA INS HAML

2

Address

INS HAML MARVE ROAD, MALAD WEST MUMBAI, MALAD WEST, Mumbai Suburban, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 22 (NUMBER) 28881443

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9892502927

5

Principal Name

VINEETA NARULA

6

GSP Coordinator Name

PRATIBHA ASHOK

7

GSP Coordinator Email

pratibha.ashok@yahoo.co.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9619707891

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	827	632	1459
Teachers	7	34	41
Non-Teaching Staff	3	2	5
TOTAL	837	668	1505

4(b)

How many visitors visit your school

7

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?

Sep, Oct, Nov

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Rita Kumaria	Mrs. Rita Kumaria
2.	Mrs. Seema Haldhar	seemahaldar@gmail.com
3.	Mrs. Neha Chawla	nehag.gera@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. G.K.SINGH	giripy@gmail.com
2.	Mr. Ramesh	rameshrcmchandra@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ASTITVA MISHRA	asti.n.mishra@gmail.com	9
2.	SARTHAK JAIN	sarthakjain235@gmail.com	9
3.	AAYUSH TANDON	aayushtandon242@gmail.com	9
4.	MANAV ARYA	aryamanav.028@gmail.com	10
5.	ANISHA KAMBLE	pgkamble39@gmail.com	10
6.	MAYURI	smitabochgire@gmail.com	10
7.	CHIRAG	chiragsaswat@gmail.com	10
8.	SANGAM	sangamkumar2002@gmail.com	10
9.	YAGYA	yagyadgupta005@gmail.com	10
10.	JAYOJEET	jayojeet.chatterjee@gmail.com	10

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

1 How many classrooms does your school have?

45

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)
IA	44.64	29.27	65.57
1B	44.64	29.27	65.57
VA	43.31	29.27	67.58
VB	43.31	29.27	67.58
VIIIA	44.64	29.27	65.57
VIIIC	44.64	29.27	65.57
XA	44.64	29.27	65.57
XB	44.64	29.27	65.57
XIIA	43.31	29.27	67.58
XIIB	43.31	29.27	67.58
TOTAL	441.08	292.70	

### 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	655	0	0	655
Public Bus	284	12	5	301
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	80	0	0	80
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	25	5	0	30

Personal four-wheeler	0	6	0	6
Personal two-wheeler	59	1	0	60
Bicycle	5	0	0	5
On foot	351	17	0	368
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1459</b>	<b>41</b>	<b>5</b>	<b>1505</b>

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

5

How many students suffer from respiratory ailments ?

9

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.	PRATIBHA ASHOK	pratibha.ashok@yahoo.co.in
2.	RITA KUMARIA	kumariarita@gmail.com
3.	VANDNA RAINA	rainavandana1@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	RAMESH	rameshrcmchandra@gmail.com
2.	Mr. G.K.SINGH	giripy@gmail.com
3.	Mr. Sumit Sahu	sumitietcs@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	YAGYA	yagyadgupta005@gmail.com	10
2.	CHIRAG	chiragsaswat@gmail.com	10
3.	SANGAM	sangamkumar2002@gmail.co	10
4.	DEEPASHREE		9
5.	VARINDER		9
6.	SARTHAK	sarthakjain235@gmail.com	9
7.	AASTITVA	asti.n.mishra@gmail.com	9
8.	AYUSH	aayushtandon242@gmail.com	9
9.	MANAV	aryamanav.028@gmail.com	10
10.	SHREESH		10

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

1 Does your school have access to an electricity bill?

Yes

## Supporting Documents

1. 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)	5358	19288.80	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	5358.00	19288.80	

## Supporting Documents

1. bill.jpg



4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	9	1.5	3
Refrigerator	1	190	3
Microwave	1	1	3
Tube Lights	335	40	3
CFL Bulbs	0	0	0
LED Lights	1	40	3
Fans	174	240	3

### Supporting Documents

1. 20161117\_084101.jpg
2. 20161117\_084211.jpg

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

5

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

28

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.	Pratibha Ashok	pratibha.ashok@yahoo.co.in
2.	Rita Kumaria	kumariarita@gmail.com
3.	Neha Chawla	nehag.gera@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	G.K.Singh	giripy@gmail.com
2.	Mercy	mercymethew@gmail.com
3.	Ramesh	rameshrcmchandra@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	yagya		10
2.	Sangam		10
3.	Manav		10
4.	Chirag		10
5.	Sarthak		9
6.	Aastitva		9
7.	aayush		9
8.	Anisha		10
9.	Mayuri		10
10.	Krishna Prasad		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

No

2

Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

### Supporting Documents

1. 20161116\_103747.jpg

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

1459.00

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	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

Participants and prize winners get packaged food items during events like sports day, annual day etc. items provided are like monginis sliced cakes, wafers, biscuits, fruity, appy , cadbury chocolate etc.

7

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

Yes

7(a)

Please provide the names?

five star, cadbury,dairy milk

8

Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

No

#### Supporting Documents

1. 20161116\_103747.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Rita Kumaria	pratibha.ashok@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	Mrs. Mercy	
2.	Mr. Ramesh	
3.	Mr. G.K.Singh	
4.	Mr. Sumit Sahu	

#### Students

Sno.	Name	Email	Grade/Class
1.	AASTITVA		
2.	SARTHAK		
3.	AAYUSH		
4.	YAGYA		
5.	SANGAM		
6.	MANAV		
7.	CHIRAG		
8.	ANISHA		
9.	MAYURI		
10.	SHREESH		

### 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> )	9,245
Ground coverage area	3,823

Green landscaped area on-ground	244
Surface parking area	0
Play area that is paved/ concrete on ground	441
Play area that has grass on ground	2,426
Service Area on ground	121
Roof and terrace area	3,007
Green cover on exposed roof & terrace	0
Total built up/constructed area	11,470
Total no. of floors	3
Others	2,189

### 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	252	0	252
Animals	8	0	8

### 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. 20161117\_085058.jpg
2. 20161117\_084652.jpg
3. 20161117\_084656.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	pratibha	pratibha.ashok@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	Mr. G.K.SINGH	
2.	Mrs. Mercy	
3.	Mrs. Amita	
4.	Mr. Ramesh	

#### Students

Sno.	Name	Email	Grade/Class
1.	Anisha		10
2.	Mayuri		10
3.	Sarthak		9
4.	Astitva		9
5.	Aayush		9
6.	Sangam		10
7.	Chirag		10
8.	Manav		10
9.	Yagya		10
10.	Jayojeet		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	500
Toilet flushing	309

Personal cleaning	72
Washing clothes	100
Cooking	0
Cleaning Utensils	100
Washing Vegetables	0
Mopping floors	85
Gardening	500
Total	1666

### 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

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?	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?	No
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. bill.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).

908000

### 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?

8

9 How many hand pumps do you have?

0

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

82

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

	Girls	Boys	Common	Total
Number of toilets	7	7	0	14

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

49

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

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 groundwater recharge

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Seema Haldhar	pratibha.ashok@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	G.K.Singh	girapy@gmail.com
2.	Ramesh	rameshrcmchandra@gmail.com
3.	Mr. Paul	
4.	Mr. Sumit	

#### Students

Sno.	Name	Email	Grade/Class
1.	Astitva Mishra	asti.n.mishra@gmail.com	9
2.	Aayush Tandon	aayushtandon242@gmail.com	9
3.	Jaden Varghese	jaden.varghese@hotmail.com	9
4.	Deepashree	jayaprad70@yahoo.co.in	9
5.	Varinder	srbakshi50@gmail.com	9
6.	Sarthak Jain	sarthakjain235@gmail.com	9
7.	Sangam		10
8.	Manav		10
9.	Chirag		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	36	0	36	0	0
Playgrounds	7	0	7	0	0
Common area (e.g. reception, corridors)	6	0	6	0	0
Staffroom	1	0	1	0	0
Laboratory	14	0	14	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	2	0	0
Library	2	0	2	0	0
Toilets	8	0	8	0	0
Others	10	0	10	0	0
Total	86	0	86	0	0

### Supporting Documents

1. c dustbin.jpg
2. g dustbin.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	14
Kitchen waste	0
Paper	12
Plastic	0
Wood, glass, metal, classroom furniture	4

E-waste	2
Biomedical waste	5
Sanitary waste	14
Construction and Demolition (C & D) waste	17
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	68

### Supporting Documents

1. audit 1.jpg
2. audit 2.jpg
3. audit.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. bungar.jpg
2. bungar 1.jpg

## 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. h staff.jpg
2. h staff 1.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	0
VCR or DVD players	2	2	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0

Air conditioners	12	12	0
Heaters	0	0	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	119	109	10
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	7	7	0
Copying equipment (Photocopiers)	1	1	0
Projectors	13	13	0
Whiteboards	13	13	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	4	2	2
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

## Supporting Documents

1. comp 1.jpg
2. comp.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. play 2.JPG
2. play.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. audit.jpg
2. audit 1.jpg
3. audit 2.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?

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 DETAILED SUMMARY OF THE TASK SHOULD BE PROVIDED . A SPECIAL FULL FLEDGE SKILLED STAFF SHOULD BE PROVIDED INSTEAD OF TEACHERS BEING MADE TO THIS WORK.

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?

15.00

### 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 Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Picture of types of solid waste generated
12. Pictures of housekeeping staff disposing different types of solid waste
13. Pictures of Electronic items used by school and storage of non-working electronic items
14. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
15. Pictures of respective audit teams doing survey