



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO.1 AIR
FORCE STATION HINDAN

Address: KENDRIYA VIDYALAYA NO.1 AIR
FORCE STATION HINDAN GHAZIABAD,
GHAZIABAD UTTAR PRADESH,
GHAZIABAD, GHAZIABAD, Uttar
Pradesh, India

Coordinator Name: RANJANA KUMARI



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 NO.1 AIR FORCE STATION HINDAN

2

AddressKENDRIYA VIDYALAYA NO.1 AIR FORCE STATION HINDAN GHAZIABAD, GHAZIABAD
UTTAR PRADESH, GHAZIABAD, GHAZIABAD, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0120 (NUMBER) 2656393

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9868646341

5

Principal Name

LAHARI SINGH

6

GSP Coordinator Name

RANJANA KUMARI

7

GSP Coordinator Email

ranjana5375@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9968323360

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	1307	990	2297
Teachers	15	53	68
Non-Teaching Staff	08	1	9
TOTAL	1330	1044	2374

4(b)

How many visitors visit your school

10

5

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

215

6

Month(s) in which the GSP audit was carried out?

Dec

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Nirupam Giri	Nirupam Giri
2.	Ranjana Kumari	ranjana5375@gmail.com
3.	Bina papola	bpapola2003@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rama Verma	kv1hindan@gmail.com
2.	Yogesh Harit	kv1hindan@gmail.com
3.	Bachal Singh Pal	kv1hindan@gmail.com
4.	murari lal kori	kv1hindan@gmail.com
5.	rakhi tongar	kv1hindan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Gaurav Chauhan	rattanthai656@gmail.com	9
2.	Ayu Prakash	singhranjana114@gmail.com	9
3.	Anusha	kv1hindan@gmail.com	9
4.	Tanya Chaudhary	kv1hindan@gmail.com	9
5.	Tanya	kv1hindan@gmail.com	9
6.	Jahnvi Singh	kv1hindan@gmail.com	9
7.	Ayesha Khatoon	kv1hindan@gmail.com	9
8.	Ashutosh	kv1hindan@gmail.com	9
9.	Vanshika Gaur	kv1hindan@gmail.com	9
10.	Mannu	kv1hindan@gmail.com	9

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

1

How many classrooms does your school have?

50

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)
VIII A	77.34	39.33	50.85
VIII B	77.34	39.33	50.85
VIII C	77.34	39.33	50.85
VIII D	77.34	50.33	65.07
VII A	77.34	39.33	50.85
VII B	77.34	39.33	50.85
VII C	77.34	39.33	50.85
VII D	77.34	39.33	50.85
IX A	77.34	39.33	50.85
XI E	77.34	50.33	65.07
TOTAL	773.40	415.29	

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	1548	8	0	1556
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	320	6	2	328

Taxi three-wheeler	110	5	0	115
Personal four-wheeler	15	7	2	24
Personal two-wheeler	0	20	5	25
Bicycle	228	0	0	228
On foot	76	6	0	82
Others (non-motorised)	0	16	0	16
SUB-TOTAL	2297	68	9	2374

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

5

How many students suffer from respiratory ailments ?

2

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.	anjali jain	kv1hindan@gmail.com
2.	indu goswami	kv1hindan@gmail.com
3.	anurag gupta	ganurag_2007@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	lahari singh	laharisinghrathour@gmail.com
2.	rama verma	rvermakv@gmail.com
3.	anjali jain	kv1hindan@gmail.com
4.	ranjana kumari	kv1hindan@gmail.com
5.	nirupam giri	kv1hindan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	vanshika gaur	vanshikavolleyballrocker08@gmail.com	9
2.	tanya	sanjay7899@rediffmail.com	9
3.	ayushi	alinaved991@gmail.com	9
4.	mansi	kv1hindan@gmail.com	9
5.	varnika	varnikasharma.siya@gmail.com	9
6.	kartikeya	kartikeyabisht007@gmail.com	9
7.	deepak	kv1hindan@gmail.com	9
8.	md anas	abidtawli@gmail.com	9
9.	isha	sagoha.sarvan@gmail.com	9
10.	ritika	rajeshsinha528@gmail.com	9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. elec.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)	3000	10800.00	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)	58.60	3023.76	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3058.60	13823.76	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	22	1.5	3
Refrigerator	3	172	5
Microwave	1	3	5
Tube Lights	365	36	3
CFL Bulbs	15	25	3
LED Lights	0	0	3
Fans	270	60	3

Supporting Documents

1. IMG_20161110_140002.jpg

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.	K R JHA	kv1hindan@gmail.com
2.	CHANDA BHATT	bhatt.chanda@gmail.com
3.	NIRUPAM GIRI	ayushgiri2001@gmail.com

Administrative staff

Sno.	Name	Email
1.	lahari singh	laharisinghrathour@gmail.com
2.	rama verma	rvermakv@gmail.com
3.	renu singh	renu.sngh1@rediffmail.com
4.	anjali jain	kv1hindan@gmail.com
5.	b s pal	kv1hindan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	richa	saritasharma29@gmail.com	9
2.	tanya	aftabchaudhary320@gmail.com	9
3.	aditi	ritu2shalinijha@yahoo.com	9
4.	aryan	aryansharma14@gmail.com	9
5.	divya raj	kv1hindan@gmail.com	9
6.	shivam	kv1hindan@gmail.com	9
7.	kavish	kv1hindan@gmail.com	9
8.	vipul	kv1hindan@gmail.com	9
9.	vaibhav	kv1hindan@gmail.com	9
10.	nasreen	kv1hindan@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

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?

2300.00

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?

No

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	672	10
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)	10	640	10
Ice-cream	0	0	0
Carbonated beverages	4	600	10
Sugar sweetened noncarbonated beverages	1	48	10

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?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	1,000
Idli/vada and sambhar	0
Pav bhaji	0
Momos	100
Others	0

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

Bread Roll

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?

No

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

Supporting Documents

1. IMG_20161110_140251.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	manju singh	sskv@gmail.com
2.	bina papola	kv1hindan@gmail.com

Administrative staff

Sno.	Name	Email
1.	yogesh harit	kv1hindan@gmail.com
2.	rama verma	kv1hindan@gmail.com
3.	b s pal	kv1hindan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PRASHANT GAUTAM	kv1hindan@gmail.com	9
2.	ANSHUL YADAV	kv1hindan@gmail.com	9
3.	PRASHANT KUMAR	kv1hindan@gmail.com	9
4.	PRATEEK PAWAR	kv1hindan@gmail.com	9
5.	SHELLY SINGH	kv1hindan@gmail.com	9
6.	RITIKA SINHA	kv1hindan@gmail.com	9
7.	VISHAL KUMAR VERMA	kv1hindan@gmail.com	9
8.	ABHINAV KUMAR	kv1hindan@gmail.com	9
9.	PRIYANKA	kv1hindan@gmail.com	9
10.	SHUBHAM SINGH RAWAT	kv1hindan@gmail.com	9

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 ²)	61,520
Ground coverage area	5,716

Green landscaped area on-ground	3,597
Surface parking area	727
Play area that is paved/ concrete on ground	1,228
Play area that has grass on ground	8,997
Service Area on ground	1,500
Roof and terrace area	61,520
Green cover on exposed roof & terrace	0
Total built up/constructed area	2,123,040
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	05	10	15
Animals	08	2	10

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_20161110_135334.jpg
2. IMG_20161110_140053.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	BINA PAPOLA	bpapola2003@gmail.com
2.	ranjana kumari	ranjana5375@gnmail.com

Administrative staff

Sno.	Name	Email
1.	rama verma	rvermakv@gmail.com
2.	renu singh	renusngh1@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	hritik	kv1hindan@gmail.com	10
2.	ananya	kv1hindan@gmail.com	10
3.	ridhima	rajin68@gmail.com	10
4.	garima	kv1hindan@gmail.com	10
5.	vikash	kv1hindan@gmail.com	10
6.	piyush	kv1hindan@gmail.com	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	1250
Toilet flushing	2020
Personal cleaning	310
Washing clothes	25
Cooking	30
Cleaning Utensils	40

Washing Vegetables	05
Mopping floors	1495
Gardening	950
Total	6125

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?

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?	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?	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. IMG_20161110_140053.jpg
2. IMG_20161110_135334.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).

5000

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?

12

9 How many hand pumps do you have?

0

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

81

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

	Girls	Boys	Common	Total
Number of toilets	10	9	0	19

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

40

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

1

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.	k r jha	kv1hindan@gmail.com
2.	manisha agarwal	kv1hindan@gmail.com
3.	0	0

Administrative staff

Sno.	Name	Email
1.	b s pal	kv1hindan@gmail.com
2.	yogesh harit	kv1hindan@gmail.com
3.	0	0
4.	0	0
5.	0	0

Students

Sno.	Name	Email	Grade/Class
1.	gaurav chauhan	kv1hindan@gmail.com	9
2.	mannu sisodia	kv1hindan@gmail.com	9
3.	shivam kumar	kv1hindan@gmail.com	9
4.	manas sisodia	kv1hindan@gmail.com	9
5.	0	0	0
6.	0	0	0
7.	0	0	0
8.	0	0	0
9.	0	0	0
10.	0	0	0

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	50	0	50	0	0
Playgrounds	4	2	2	0	0
Common area (e.g. reception, corridors)	4	2	2	0	0
Staffroom	6	3	3	0	0
Laboratory	2	1	1	0	0
Canteen	4	2	2	0	0
Clinic/ Sick room	2	1	1	0	0
Library	0	0	0	0	0
Toilets	12	6	6	0	0
Others	0	0	0	0	0
Total	84	17	67	0	0

Supporting Documents

1. IMG_20161110_134843.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	900
Kitchen waste	180
Paper	60
Plastic	400
Wood, glass, metal, classroom furniture	10

E-waste	6
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1556

Supporting Documents

1. IMG_20161110_135132.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)				

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)

No documents uploaded by the school.

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	0	0	0
Refrigerators and freezers	0	0	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)	0	0	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	0	0	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

No documents uploaded by the school.

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

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , 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?

TEAM WORK AWARENESS AMONG STUDENT AND ALL THE STAFF MEMBER

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?

6.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Traditional food items sold in canteen
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Picture of types of solid waste generated
7. Pictures of respective audit teams doing survey