



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAY HINOO(1st Shift)

**Address:** A G MORE DORANDA RANCHI,  
JHARKHAND 834002, RANCHI,  
RANCHI, Jharkhand, India

**Coordinator Name:** KUMKUM SRIVASTAVA



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 VIDYALAY HINOO(1st Shift)

2

Address

A G MORE DORANDA RANCHI, JHARKHAND 834002, RANCHI, RANCHI, Jharkhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0651 (NUMBER) 2482242

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9431106969

5

Principal Name

Mr. R C GOND

6

GSP Coordinator Name

KUMKUM SRIVASTAVA

7

GSP Coordinator Email

kumkumkv@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9572022751

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	838	591	1429
Teachers	22	29	51
Non-Teaching Staff	7	1	8
TOTAL	867	621	1488

4(b)

How many visitors visit your school

25

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?

April

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	S. SRIVASTAVA	S. SRIVASTAVA
2.	KUMARI SUNITA	ksunita301@gmail.com
3.	N .R .SINGH	nirmala12264@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	M.KUJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	MONILISA	monalisaparida88@gmail.com	11
2.	MEHTUL NISHA	afreedhussain2003@gamil.com	11
3.	ANKIT KUMAR RAI	ankitkv7@gmail.com	10
4.	NIPUN	fly2nipun@gmail.com	10
5.	ROHIT POONIA	rohitpoonias2016@gmail.com	11
6.	SHIVANGI PANDIT	pklucky93@gmail.com	10
7.	AKANSHA GOND	akanshagond4@gmail.com	10
8.	AMAN AMOS	cyvilbmurmu@gmail.com	10
9.	PRIYANK SHARMA	priyankvnc@gmail.com	10

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

1 How many classrooms does your school have?

36

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)
0	0.00	0.00	0.00

0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
TOTAL	0.00	0.00	

### 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
Schoool Bus	0	0	0	0
Public Bus	700	10	1	711
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	500	0	0	500
Personal four-wheeler	29	8	0	37
Personal two-wheeler	0	33	7	40
Bicycle	200	0	0	200

On foot	0	0	0	0
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1429	51	8	1488

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

5

How many students suffer from respiratory ailments ?

20

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.	S.SRIVASTVA	savita.shri@gmail.com
2.	KUMARI SUNITA	ksunita301@gmail.com
3.	N.R.SINGH	nirmala12264@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	M. KUJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	MEHTUL NISHA	afreedhussain2003@gmail.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)	9430	33948.00	0
Electricity from generator (diesel) (litres)	0	0.00	0

Petrol (litres)	0	0.00	0
Diesel (litres)	50	2280.00	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)	60	3096.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>9540.00</b>	<b>39324.00</b>	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	10	1	0
Refrigerator	1	190	0
Microwave	0	0	0
Tube Lights	200	40	0
CFL Bulbs	50	10	0
LED Lights	0	0	0
Fans	200	220	0

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?

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.	S.SRIVASTAVA	sabita.shri@gmail.com
2.	KUMARI SUNITA	ksunita301@gmail.com
3.	N.R SINGH	nirmala12264@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	MILYANI KUJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	NIPUN	fly2nipun@gmail.com	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

No documents uploaded by the school.

2(a)(1)

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

1429.00

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

sweets and Snacks

7

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

Yes

7(a)

Please provide the names?

munch

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.	KUMARI SUNITA	ksunita301@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MILYANI KUJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	MONALISA	monalisaparida88@gmail.com	11

### 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)	120,000
Ground coverage area	6,000
Green landscaped area on-ground	2,000
Surface parking area	0
Play area that is paved/ concrete on ground	8,000
Play area that has grass on ground	2,000
Service Area on ground	8,000
Roof and terrace area	5,000
Green cover on exposed roof & terrace	7,000
Total built up/constructed area	9,000
Total no. of floors	2

Others	20,000
--------	--------

### 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	50	5	55
Animals	0	0	0

### Task 4: Find out if your school uses pesticides

4

Do you use chemical based pesticides in your school green cover?

Yes

No documents uploaded by the school.



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	KUMARI SUNITA	k.sunita301@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MILIYANI KUJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	SHIVANGI PANDIT	pk lucky93@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	2000
Toilet flushing	1000
Personal cleaning	500
Washing clothes	100
Cooking	00
Cleaning Utensils	100
Washing Vegetables	00
Mopping floors	100
Gardening	1000
Total	4800

### 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?

No

4(b)

If supply of water is not daily, please tick the correct option

=1 day

#### 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?	Yes
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?	Yes
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, Mopping, Toilets

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

2000.00

6(b)(2)(b)

Total number of storage tanks

1.00

6(b)(2)(c)

Location of tanks:

Over ground

6(b)(2)(d)

Material options for tanks

Brick

6(c)

How much area in your school is harvested?

21 to 30 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

No documents uploaded by the school.

6(f)

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

Yes

6(f)(1)

Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

6(g)

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

Yes

6(g)(1)

Please specify when does your school monitor the groundwater level?

Post-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

If there was an increase, please specify

6(h)(1)

Please specify how much was the increase?

1-5 metre annually

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?

Yes

**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?

1

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

20

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

	Girls	Boys	Common	Total
Number of toilets	03	03	00	6

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

6

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

2

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

Once 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.	KUMARI SUNITA	ksunita301@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MILYANI KUIJUR	milyani.kujurvp@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	AKANSHA GOND	akanshagond4@gmail.com	10

### 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	36	0	36	0	0
Playgrounds	8	0	8	0	0
Common area (e.g. reception, corridors)	7	0	4	2	1
Staffroom	2	0	1	1	0
Laboratory	3	0	1	1	1
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0

Toilets	14	0	14	0	0
Others	0	0	0	0	0
Total	73	0	67	4	2

No documents uploaded by the school.

### 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	200
Kitchen waste	0
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	200

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?

Yes

No documents uploaded by the school.

5a What is the methodology used?

Natural composting without added microbes

5b What is the quantity of compost that is generated per month(in kilogram)?

20.00

5c What is the purpose of the compost that is generated per month?

For school garden

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?

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?

PlasticPaper

10

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	3	3	0
VCR or DVD players	2	2	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	11	10	1
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0



Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	120	100	20
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	50	50	0
Notepad computers	0	0	0
Printers	12	10	2
Copying equipment (Photocopiers)	4	4	0
Projectors	19	11	8
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	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?

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 extracurricular activities such as guest lectures

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?

Good and purified environment by planting more trees.

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?

25.00

### Checklist of uploaded documents

1. Electricity Bill