



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya No.1 HBK
Address: Salawala, Hathibarkala, Dehradun,
Dehradun, Dehradun, Uttarakhand, India
Coordinator Name: Chandra Kant Bhatt



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 HBK

2

Address

Salawala, Hathibarkala, Dehradun, Dehradun, Dehradun, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 135 (NUMBER) 2743244

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9536445544

5

Principal Name

Indrajeet Singh

6

GSP Coordinator Name

Chandra Kant Bhatt

7

GSP Coordinator Email

chandra.k.bhatt@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9897461316

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	798	708	1506
Teachers	17	34	51
Non-Teaching Staff	6	2	8
TOTAL	821	744	1565

4(b)

How many visitors visit your school

35

5

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

210

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.	Deepika Uniyal	Deepika Uniyal
2.	Geetanjali Arya	gitanjaliarya@gmail.com
3.	Poonam Kal	poonamkala1963@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Indrajeet Singh	indrajeetrita@gmail.com
2.	HH Yadav	
3.	Sarita Mehta	
4.	Manju Bijalwan	manju.bijalwan2014@gmail.com
5.	Hem Prabha Sirohi	hpsirohi2016@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	shaktipriya	shaktikvs@gmail.com	8
2.	sushant gurung	shushantgurung@gmail.com	8

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)
IA	43.54	5.64	12.95
IIA	43.54	5.64	12.95
IVC	43.58	5.81	13.33

VC	43.58	5.81	13.33
VIB	43.39	4.14	9.54
VIIIB	43.34	4.14	9.55
IXA	43.34	4.14	9.55
XA	43.34	4.14	9.55
XIB	56.17	3.42	6.09
XIIB	56.17	3.42	6.09
TOTAL	459.99	46.30	

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
School Bus	80	0	0	80
Public Bus	80	0	0	80
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	125	2	0	127
Taxi four-wheeler	29	0	0	29
Taxi three-wheeler	22	0	0	22
Personal four-wheeler	60	10	1	71
Personal two-wheeler	295	32	4	331
Bicycle	50	0	1	51
On foot	765	2	7	774
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1506	46	13	1565
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Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

0

6

Does the school laboratory have air quality monitoring equipment?

Yes

No documents uploaded by the school.



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Arun Kumar	akumar1101969@gmail.com
2.	Chandra Kant Bhatt	chandra.k.bhatt@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Indrajeet Singh	indrajeetrita@gmail.com
2.	Guman Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Vasundhara Pandey		10
2.	Abhay Bhardwaj		12
3.	Nitin Bhandari		12
4.	Ayushi Verma		12

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)	900	3240.00	1
Electricity from generator (diesel) (litres)	20	912.00	0
Petrol (litres)	10	467.00	1
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	930.00	4619.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	14	15	3
Refrigerator	2	100	4
Microwave	0	0	0
Tube Lights	120	40	3
CFL Bulbs	10	20	3
LED Lights	1	40	4

Fans	120	150	3
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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?

280

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.	Chandra Kant Bhatt	chandra.k.bhatt@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Indrajeet Singh	
2.	Sunil Kumar	
3.	Vinod Kumar	

Students

Sno.	Name	Email	Grade/Class
1.	Ayush Verma		12
2.	Anurag Bisht		11
3.	Puneet Malhotra		11
4.	Roshani Rawat		11

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

Supporting Documents

1. lunchboxes.jpg

2(a)(1)

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

1300.00

2(a)(2)

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

50.00

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	0	0	11
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	11
Potato fries and Burgers	0	0	11
Confectionery items (chocolate, candies, gums)	12	600	11
Ice-cream	0	0	11
Carbonated beverages	0	0	11
Sugar sweetened noncarbonated beverages	3	90	11
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	120	11

Packaged/Bottled Energy Drinks	0	0	11
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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?

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. foodauditteam.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	PC Joshi	joshiprakashchandra@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	Sunil Kumar	

Students

Sno.	Name	Email	Grade/Class
1.	Shubhdeep Panwar		

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)	10,500
Ground coverage area	4,050
Green landscaped area on-ground	1,000
Surface parking area	0
Play area that is paved/ concrete on ground	900
Play area that has grass on ground	4,050
Service Area on ground	0
Roof and terrace area	8,100
Green cover on exposed roof & terrace	0
Total built up/constructed area	2,700
Total no. of floors	2

Others	0
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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	40	1	41
Animals	15	0	15

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. green.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	MC Bhatt	mbhattkv@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mohar Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Rahul Pathak		11

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	3500
Toilet flushing	3000
Personal cleaning	1000
Washing clothes	0
Cooking	50
Cleaning Utensils	100
Washing Vegetables	20
Mopping floors	500
Gardening	1000
Total	9170

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

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?	Yes
Does your school use appliances with a quick-wash setting?	No
Are dual flush systems installed in the toilets?	Yes
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

No documents uploaded by the school.

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).

10000

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?

34

9

How many hand pumps do you have?

0

10

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

14

11

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

	Girls	Boys	Common	Total
Number of toilets	24	28	0	52

12

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

52

13

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

0

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Vatan Singh Kunwar	vatan1775@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Manju Bijalwn	

Students

Sno.	Name	Email	Grade/Class
1.	Sonal Aghashe		11

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	4	0	0	3	1
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	2	0	1	1	0
Laboratory	5	0	5	0	0

Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	12	0	10	2	0
Others	0	0	0	0	0
Total	66	0	59	6	1

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	750
Kitchen waste	50
Paper	50
Plastic	50
Wood, glass, metal, classroom furniture	50
E-waste	0
Biomedical waste	1
Sanitary waste	50
Construction and Demolition (C & D) waste	50
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1051

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)	✗	✗	✗	✓

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?

Don't know

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?

Horticultural

10

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

	Total	Working conditions	Non-working condition
TVs	3	2	1
VCR or DVD players	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	14	14	0
Heaters	6	6	0
Microwaves	0	0	0
Ovens	2	1	1
Toasters	0	0	0
Electric Kettles	10	10	0
Personal computers (CPU, mouse, screen and keyboard included)	60	55	5

Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	13	10	3
Copying equipment (Photocopiers)	6	6	0
Projectors	26	25	1
Whiteboards	19	19	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	7	7	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	6	5	1
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?

Yes

No documents uploaded by the school.

11a

Who collects your e-waste, when not in working condition?

Authorised dealer

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?

No

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. foodauditteam.jpg
2. water.jpg



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?

2

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?

More Awareness Programmes

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Average

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?

10.00

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 respective audit teams doing survey