



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya Barwaha
Address: jayanti mata road, CISF campus, barwaha,
khargone, khargone, Madhya Pradesh,
India
Coordinator Name: kalpana saini



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 Barwaha

2

Address

jayanti mata road,CISF campus, barwaha, khargone, khargone, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 07280 (NUMBER) 222402

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9425087095

5

Principal Name

Ritu Pallavi

6

GSP Coordinator Name

kalpana saini

7

GSP Coordinator Email

sainikalpana2005@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9575390177

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	467	425	892
Teachers	21	20	41
Non-Teaching Staff	08	01	9
TOTAL	496	446	942

4(b)

How many visitors visit your school

150

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?

Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	kalpana saini	kalpana saini
2.	vandana sonkar	vandanasonkar26@gmail.com
3.	Lokesh gupta	guptalokesh@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr.Ritu Pallavi	barwahakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Divyanshee	29divyanshi@gmail.com	11
2.	harshita	harshitakhatri2k@gmail.com	11
3.	nithya	nithyavarghese309@gmail.com	11
4.	venu	barvevenu@yahoo.com	11
5.	prayag	prayaggavshinde@gmail.com	11
6.	rewansh	rewanshkayare10@gmail.com	11
7.	umesh	umeshsharma1240@gmail.com	11
8.	vaidik	vaidikgoyal2001@gmail.com	11
9.	aavani	shivanipis225@gmail.com	11
10.	mansiverma	manshiverma@gmail.com	09

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

1

How many classrooms does your school have?

22

2

Window-floor ratio of classrooms in the school.

Details of the classroom
(e.g. Class II section b)

$X = \text{Area of floor}$
($L \times B$)

$Y = \text{Area of}$
openings ($L \times H$)

Percentage of the floor area
being ventilated ($Y/X \times 100$)

I A	27.38	13.00	47.49
II A	24.44	13.00	53.20
III B	27.38	13.00	47.48
IV B	63.44	12.00	18.92
V B	50.55	18.00	35.61
VI A	51.54	26.00	50.44
VI B	51.68	26.00	50.31
X A	43.64	18.00	41.25
X B	41.17	18.00	43.72
XII	39.82	16.00	40.18
TOTAL	421.04	173.00	

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	00	00	00	0
Public Bus	36	10	2	48
School Transport(Other than bus)	00	00	00	0
Public transport (other than bus, Metro, car pool)	02	00	00	2
Taxi four-wheeler	139	00	00	139
Taxi three-wheeler	155	00	00	155
Personal four-wheeler	00	05	00	5
Personal two-wheeler	96	10	01	107

Bicycle	150	00	04	154
On foot	68	10	02	80
Others (non-motorised)	246	06	00	252
SUB-TOTAL	892	41	9	942

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.	suneeti chourey	suneetichourey@rediffmail.com
2.	lokesh gupta	lokeshgpt83@yahoo.com
3.	meenu mishra	mishra.menu31@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr.Ritu Pallavi	barwahakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	harshita		11
2.	lavanaya		06
3.	garima		06
4.	keshav		06
5.	sagar		06
6.	mannat aarti		06
7.	yashika		06
8.	prachi		06
9.	venu		11
10.	nithya		11

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. June 2015.PDF

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)	2480	8928.00	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	50	2335.00	2
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	2530.00	11263.00	

Supporting Documents

1. June 2015.PDF

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	1.5	5

Refrigerator	1	295	5
Microwave	0	0	0
Tube Lights	114	40	3
CFL Bulbs	15	25	5
LED Lights	0	0	0
Fans	111	60	3

Supporting Documents

1. IMG_20160914_113438.jpg
2. IMG_20160914_113518.jpg
3. IMG_20160914_113624.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.	vandana sonkar	vandanasonkar26@gmail.com
2.	anila gupta	davendrapatel79@yahoo.com
3.	davendra patel	davendrapatel79@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Dr.Ritu Pallavi	barwahakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	rewansh		11
2.	dhruv		12
3.	richa		12

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. IMG_20160917_112213.jpg
2. IMG_20160917_112217.jpg
3. IMG_20160917_112229.jpg
4. IMG_20160917_112240.jpg

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

879.00

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?

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?

No

7

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

Yes

7(a)

Please provide the names?

perk chocklates on the birthday of a student

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.	antim yadav	12sadhanaupadhyay@gmail.com
2.	sadhana upadhaya	12sadhanaupadhyay@gmail.com
3.	shyaam sir	shyamkukshi@gmail.com

Administrative staff

Sno.	Name	Email
1.	dr.ritu pallavi	barwahakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	veena.b		12
2.	shreya.b		11
3.	taniya		12
4.	vaidika		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)	15,000
Ground coverage area	1,500
Green landscaped area on-ground	2,000
Surface parking area	250
Play area that is paved/ concrete on ground	340
Play area that has grass on ground	500
Service Area on ground	3,000

Roof and terrace area	2,000
Green cover on exposed roof & terrace	500
Total built up/constructed area	3,000
Total no. of floors	8
Others	2,500

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	3	3	6
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?

No

Supporting Documents

1. IMG_8287.JPG
2. IMG_9048.JPG
3. IMG_9049.JPG
4. IMG_9061.JPG
5. IMG_9057.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	vandana sonkar	vandanasonkar26@gmail.com
2.	suneeti chourey	suneetichourey@gmail.com
3.	richa sakalley	richasharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	dr ritu pallavi	barwahakv@gmail.com
2.	R c Bamniya	rcbamaniya@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	nithya		11
2.	avani		11
3.	mustafa		11
4.	veenu		11
5.	harshita		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	4500
Toilet flushing	13500
Personal cleaning	35
Washing clothes	100
Cooking	15
Cleaning Utensils	30

Washing Vegetables	20
Mopping floors	20
Gardening	100
Total	18320

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, Surface 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?	Yes
Does your school use appliances with a quick-wash setting?	Yes
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

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).

500

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?

25

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	5	5	2	12

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?

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.	surji damor	surji@gmail.com
2.	vandana sonkar	vandanasonkar26@gmail.com
3.	amit dubey	amitdubey@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr.Ritu Pallavi	barwahakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	richa sharma		12
2.	taniya rathore		12
3.	dhruv		12
4.	jay sengar		12
5.	prajjwal		12

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	22	0	22	0	0

Playgrounds	6	4	2	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	1	0	1	0	0
Laboratory	4	0	4	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	9	0	5	2	2
Others	4	1	1	1	1
Total	50	5	39	3	3

Supporting Documents

1. IMG_0170.JPG
2. IMG_0171.JPG
3. IMG_0176.JPG
4. IMG_0176.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	50
Kitchen waste	0
Paper	25
Plastic	5
Wood, glass, metal, classroom furniture	5
E-waste	2
Biomedical waste	0

Sanitary waste	50
Construction and Demolition (C & D) waste	25
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	162

Supporting Documents

1. IMG_0172.JPG
2. IMG_0173.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?

Open dumping

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	1		1
VCR or DVD players	1		1
Refrigerators and freezers	1	1	
Washing machines	0		
Air conditioners	3	3	
Heaters	0		
Microwaves	0		
Ovens	0		
Toasters	0		
Electric Kettles	0		

Personal computers (CPU, mouse, screen and keyboard included)	45	35	10
Laptop computer (CPU, mouse, screen and keyboard included)	0		
Notebook computers	0		
Notepad computers	0		
Printers	10	7	3
Copying equipment (Photocopiers)	2	1	1
Projectors	9	7	2
Whiteboards	0		
Electrical & electronic typewriters	0		
Pocket & desk calculators	0		
Fax machines	0		
Telex	0		
Telephones	2	2	
Pay telephones	0		
Mobiles	1	1	
Answering systems	0		

Supporting Documents

1. IMG_0180.JPG
2. IMG_0173.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?

No

14

Is the study of the environment integrated into the curriculum?

No

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?

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?

we recommend for our school should have waste management and water harvesting system should be implemented and for this we must have create a deptsrtment for GSP for doing all the activities covered under this programme.

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?

No

10

Could you finish all the tasks in given period of time online?

No

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?

250.00

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 burning waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Pictures of respective audit teams doing survey