



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA CHHATARPUR
Address: Mahoba road , Opposite RTO chhatarpur,
Chhatarpur, Chhatarpur, Madhya
Pradesh, India
Coordinator Name: LALIT MOHAN SINGH



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 CHHATARPUR

2

Address

Mahoba road , Opposite RTO chhatarpur, Chhatarpur, Chhatarpur, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 7682 (NUMBER) 245577

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9413089008

5

Principal Name

V.S. RATHORE

6

GSP Coordinator Name

LALIT MOHAN SINGH

7

GSP Coordinator Email

lalit99oct@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 7240973043

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	598	439	1037
Teachers	24	19	43
Non-Teaching Staff	12	02	14
TOTAL	634	460	1094

4(b)

How many visitors visit your school

30

5

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

230

6

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

July, Aug, Sep, Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	L.M.singh	L.M.singh
2.	Shraddha saxena	kvsraddhashriwastava@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vishan SinghRathore	chhatarpurkv@gmail.com
2.	Raju sen	chhatarpurkv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Adhyatm Chaturvedi	adhyatmchaturvedi@gmail.com	9
2.	Aadarsh Chouhan	aadarsh101chouhan@gmail.com	9
3.	Ujjawal Dwivedi	ujjawaldwivedi88@gmail.com	9
4.	Vidhi Sirothia	chhatarpurkv@gmail.com	10
5.	Vanshika Singh	chhatarpurkv@gmail.com	10

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

1 How many classrooms does your school have?

24

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)
class II section a	49.00	17.00	34.69
class II section b	49.00	17.00	34.69
class VI section a	49.00	17.00	34.69
class VI section b	49.00	17.00	34.69

class X section a	49.00	17.00	34.69
class X section b	49.00	17.00	34.69
class XI section a	49.00	17.00	34.69
class XI section b	49.00	17.00	34.69
class XII section a	49.00	17.00	34.69
class XII section b	49.00	17.00	34.69
TOTAL	490.00	170.00	

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
School Bus	0	0	0	0
Public Bus	24	03	0	27
School Transport (Other than bus)	128	0	0	128
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	45	0	0	45
Taxi three-wheeler	768	0	0	768
Personal four-wheeler	0	02	0	2
Personal two-wheeler	20	22	08	50
Bicycle	12	0	04	16
On foot	40	16	02	58
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1037	43	14	1094
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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?

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.	Shraddha Saxena	kvsraddhashriwastava@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vishan Singh Rathore	chhatarpurkv@gmail.com
2.	P.N.Pathak	chhatarpurkv@gmail.com
3.	Vinod Vishwakarma	vi909@radiffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Prem Tiwari	premlkt123@gmail.com	11
2.	Yash Khare	yash.khare00@gmail.com	11
3.	Raj Kumar Vishwakarma	rkvrajsujit@gmail.com	11
4.	Ashutosh Kumar Singh	rkvrajsujit@gmail.com	11
5.	Anuj Gupta	anujag2001@gmail.com	11
6.	Amit Kumar Rai	Kumaramitrai2205@gmail.com	11
7.	Vikas Ban Goswami	bangoswamivikas@gmail.com	11

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. bill-1.jpg
2. bill-2.jpg
3. bill-3.jpg
4. bill4.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)	1500	5400.00	5
Electricity from generator (diesel) (litres)	100	4560.00	2
Petrol (litres)	0	0.00	0
Diesel (litres)	100	4560.00	2
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	1700.00	14520.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	7	1.5	5
Refrigerator	1	240	5
Microwave	0	0	0
Tube Lights	164	60	2
CFL Bulbs	7	25	3
LED Lights	20	15	3
Fans	240	120	2

Supporting Documents

1. 20161115_154921.jpg
2. 20161118_181435.jpg

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

5

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

165

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.	Shraddha Saxena	kvsraddhashriwastava@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vishan Singh Rathore	vsrvk2@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rajiv Ranjan Pathak	rajivranjanpathak7@gmail.com	8
2.	Himanshu Verma	rupalivermachp@rediffmail.com	8
3.	Prakhar Mishra	rkskkhajuraho@gmail.com	8
4.	Mayur Asati	kamleshasati.31@gmail.com	8
5.	Harshit Kumar Shrivastava	akshrivastavachp@gmail.com	8
6.	Aman Jatav	dilipjatav1978@gmail.com	8
7.	Adesh Singh Choudhry	jagjeetahirwar@gmail.com	8
8.	Shivanshu Krishna Gupta	shivanshu3200@gmail.com	8
9.	Ankit pandey	kamleshkumarpandey.ankit@gmail.com	8
10.	Aditya Patel		8

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. lunch1.jpg
2. lunch1-ii.jpg
3. lunch2.jpg
4. lunch3.jpg
5. lunch4.jpg

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

1037.00

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?

Yes

6(a) Please provide details

During national festivals,sports event,annual function packaged food items are provided by the school.

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

Yes

7(a) Please provide the names?

dairy milk chocolate,good day biscuit.

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.	Abhilasha Chaurasiya	abhi.chaurasia1987@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vishan Singh Rathore	vsrvk2@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Jeetendra Ahirwar	jitendra160@gmail.com	11
2.	Aditya P. Singh	aditya302@gmail.com	11
3.	Khushi Jadiya	khushi.jadiya19@gmail.com	11
4.	Arti Anuragi	abhi.chaurasia1987@gmail.com	11
5.	Neha	abhi.chaurasia1987@gmail.com	11
6.	Bina Kumari	abhi.chaurasia1987@gmail.com	11
7.	Himanshu Shukla	himanshushukla136927@gmail.com	10
8.	Aakash Raikwar	himanshushukla136927@gmail.com	10
9.	Astha Nagar	himanshushukla136927@gmail.com	9
10.	Poorva Chaurasia	himanshushukla136927@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)	60,015
Ground coverage area	31,536
Green landscaped area on-ground	16,000
Surface parking area	2,484

Play area that is paved/ concrete on ground	0
Play area that has grass on ground	9,380
Service Area on ground	100
Roof and terrace area	30,532
Green cover on exposed roof & terrace	0
Total built up/constructed area	32,536
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	32	13	45
Animals	20	0	20

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. Assembly.jpg
2. garden.jpg
3. parking.jpg
4. Road.jpg
5. school.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Shraddha Saxena	kvsraddhashriwastava@gmail.com

Administrative staff

Sno.	Name	Email
1.	V.S. Rathore	vsrvk2@gmail.com
2.	Vinod kumar	vi909@radiffmail.com
3.	Heera bai	Heerabaisaur.kv@gmqil.com

Students

Sno.	Name	Email	Grade/Class
1.	Astha Mishra	dsmishra74@gmail.com	9
2.	Karuna chaurasiya	sangeetachaurasia776@gmail.com	9
3.	Vedika Pathak	pathak.vinod37@gmail.com	9
4.	Mahima Chaurasiya	shyamchaurasiabac840@gmail.com	9
5.	Vijayshree Rathore	vsrvk2@gmail.com	9
6.	Ishika Gandhi	rajendragupta@gmail.com	9

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	3000
Personal cleaning	500
Washing clothes	0
Cooking	0

Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	6000
Gardening	5000
Total	16500

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?	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?	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. water7.jpg
2. water6.jpg
3. water4.jpg
4. water3.jpg
5. water1.jpg

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?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

No

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?)?

No

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?

Do not follow any such pattern

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?

Less than a 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?

No

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)?	No
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?

24

9 How many hand pumps do you have?

1

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

9

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

	Girls	Boys	Common	Total
Number of toilets	18	18	0	36

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

24

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

6

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.	Anjana Dwivedi	anjanadwivedi67@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vishan Singh Rathore	chhatarpurkv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anuj Gupta	anujguptaag2001	11
2.	Vikas Ban Goswami	bangoswamivikas	11
3.	Abhishek Kumre	kumreeabhishek2001	11
4.	Amit Kumar Rai	Kumaramitrai2205	11
5.	Sourabh Ahirwar	Sourabhahirwar599	11
6.	Ananya Kaushik	ananya.kaushik200	11
7.	Kanika Soni	kanikasoniraddifi	11
8.	Shristi Chaturvedi	chaturvedishristy	11
9.	Tanu Pal	Tanupal009	11
10.	Shaleen	shaleen.dev12	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. Ragpicker

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	24	0	24	0	0
Playgrounds	2	0	0	1	1
Common area (e.g. reception, corridors)	4	0	2	2	0
Staffroom	1	0	1	0	0
Laboratory	4	0	0	4	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	0	1	0
Library	2	0	0	2	0
Toilets	6	0	0	6	0
Others	7	0	3	2	2
Total	51	0	30	18	3

Supporting Documents

1. hhgfh.jpg
2. rfdyhg.jpg
3. 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	30
Kitchen waste	0
Paper	20
Plastic	5
Wood, glass, metal, classroom furniture	50

E-waste	8
Biomedical waste	0.5
Sanitary waste	100
Construction and Demolition (C & D) waste	40
Hazardous waste	2
Total Generated Solid Waste (in kilogram)	255.5

Supporting Documents

1. hhjhh.jpg
2. dhgg.jpg
3. jfhj.jpg

Task 4: How much waste does your school recycle/treat?

4 Does your school recycle any generated waste?

Yes

4a Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	0
Kitchen waste	0
Paper	20
Plastic	5
Wood, glass, metal, classroom furniture	0
E-waste	8
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total (in kilogram)

33

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?

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	3	2	1
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	7	4	3
Heaters	2	2	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)	60	40	20
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	6	2
Copying equipment (Photocopiers)	2	2	0
Projectors	8	8	0
Whiteboards	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	2	2	0
Telex	0	0	0

Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. hhjhh.jpg

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 dismantler

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 the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. bhh.jpg
2. gfdgfr.jpg
3. vvjgh.jpg
4. 2asd.jpg
5. vbhghh.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?

To use alternative source of energy ,developing ECO CLUB ,more plantation ,developing herbal garden ,recycling of waste

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?

More than twice

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?

48.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Photographs of lunch boxes
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Picture of audit team weighing solid waste
10. Pictures of respective audit teams doing survey