



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA OLF  
**Address:** RAIPUR DEHRADUN , DEHRADUN,  
Dehradun, Uttarakhand, India  
**Coordinator Name:** NAVEEN DOBRIYAL



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 OLF

2

Address

RAIPUR DEHRADUN , DEHRADUN, Dehradun, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0135 (NUMBER) 2788741

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7579256772

5

Principal Name

H P POKHRIYAL

6

GSP Coordinator Name

NAVEEN DOBRIYAL

7

GSP Coordinator Email

dobriyalnav@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9758797512

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	606	538	1144
Teachers	19	25	44
Non-Teaching Staff	7	1	8
TOTAL	632	564	1196

4(b) How many visitors visit your school

3000

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?

Nov

7 Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Manisha Bhardwaj	Mrs. Manisha Bhardwaj
2.	Mrs. Deepa Mishra	kvolfraipur1234@yahoo.co.in
3.	Mr. N S Gangwar	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	MR. KHEEM SINGH	kvolfraipur1234@yahoo.co.in
2.	MS. KAMLA RANA	kvolfraipur1234@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	CHIRAG THAPLIYAL	kvolfraipur1234@yahoo.co.in	11
2.	UTKARSHA SINGH	kvolfraipur1234@yahoo.co.in	11
3.	ABHISHEK	kvolfraipur1234@yahoo.co.in	11
4.	GAURAV	kvolfraipur1234@yahoo.co.in	11
5.	SUBHNEET CHAND	kvolfraipur1234@yahoo.co.in	11
6.	TANIYA	kvolfraipur1234@yahoo.co.in	11
7.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.in	11
8.	PRACHI	kvolfraipur1234@yahoo.co.in	11
9.	SHIVANGI NAUTIYAL	kvolfraipur1234@yahoo.co.in	11
10.	DEEPANJALI KOTNALA	kvolfraipur1234@yahoo.co.in	11

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

1 How many classrooms does your school have?

26

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)
I A	49.00	8.43	17.20
IB	49.00	8.43	17.20
IIA	49.00	8.43	17.21
IIB	49.00	8.43	17.20
IIIA	49.00	8.43	17.20
IIIB	49.00	8.43	17.20
VI A	49.00	8.43	17.20
VIB	49.00	8.43	17.20
X A	49.00	8.43	17.20
XIIA	49.00	8.43	17.20
TOTAL	490.00	84.30	

### 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
Schoool Bus	240	0	0	240
Public Bus	110	0	0	110
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	215	5	0	220
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	1	0	1

Personal four-wheeler	25	8	0	33
Personal two-wheeler	250	29	0	279
Bicycle	74	0	0	74
On foot	230	7	2	239
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1144</b>	<b>50</b>	<b>2</b>	<b>1196</b>

### 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?

Yes



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	MRS. MANISHA BHARDWAJ	kvolfraipur1234@yahoo.co.in
2.	MRS. DEEPA MISHRA	kvolfraipur1234@yahoo.co.in
3.	MR. N S GANGWAR	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	MR. KHEEM SINGH	kvolfraipur1234@yahoo.co.in
2.	MS. KAMLA RANA	kvolfraipur1234@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	CHIRAG THAPLIYAL	kvolfraipur1234@yahoo.co.in	11
2.	UTKARSHA SINGH	kvolfraipur1234@yahoo.co.in	11
3.	ABHISHEK	kvolfraipur1234@yahoo.co.in	11
4.	GAURAV	kvolfraipur1234@yahoo.co.in	11
5.	SUBHNEET CHAND	kvolfraipur1234@yahoo.co.in	11
6.	TANIYA	kvolfraipur1234@yahoo.co.in	11
7.	SHIVANGI NAUTIYAL	kvolfraipur1234@yahoo.co.in	11
8.	DEEPANJALI KOTNALA	kvolfraipur1234@yahoo.co.in	11
9.	PRACHI	kvolfraipur1234@yahoo.co.in	11
10.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.in	11

### Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. electricity bill.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)	254	914.40	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)	14.2	732.72	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	268.20	1647.12	

### Supporting Documents

1. electricity bill.pdf
2. LPG Bill 1.pdf

4

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------



Air Conditioners	5	1	2 are 3 star rating
Refrigerator	1	165	4 star rating
Microwave	0	0	0
Tube Lights	238	40	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	252	60	0

### Supporting Documents

1. DSC04495.JPG
2. DSC04498.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.	MR. NAVEEN DOBRIYAL	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	KHEEM SINGH	kvolfraipur1234@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	DEEPANJALI KOTNALA	kvolfraipur1234@yahoo.co.in	11
2.	TANIYA	kvolfraipur1234@yahoo.co.in	11
3.	SUBHNEET CHAND	kvolfraipur1234@yahoo.co.in	11
4.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.in	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. DSC04503.JPG
2. DSC04504.JPG

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

1144.00

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	7	500	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	10
Potato fries and Burgers	1	500	10
Confectionery items (chocolate, candies, gums)	5	5000	10
Ice-cream	0	0	10
Carbonated beverages	0	0	10
Sugar sweetened noncarbonated beverages	1	500	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	10
Packaged/Bottled Energy Drinks	3	0	10

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. DSC04500.JPG
2. DSC04501.JPG
3. DSC04502.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	MR NAVEEN DOBRIYAL	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	MR. KHEEM SINGH	kvolfraipur1234@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	SUBHNEET CHAND	kvolfraipur1234@yahoo.co.in	11
2.	DEEPANJALI KOTNALA	kvolfraipur1234@yahoo.co.in	11
3.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.in	11
4.	TANIYA	kvolfraipur1234@yahoo.co.in	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)	31,929
Ground coverage area	8,093
Green landscaped area on-ground	8,093
Surface parking area	1,161
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	8,093
Service Area on ground	0
Roof and terrace area	8,642
Green cover on exposed roof & terrace	0

Total built up/constructed area	8,642
Total no. of floors	1
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	50	0	50
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. KVOLF Geo tagged photo.jpg
2. BUILDING MAP.JPG
3. PLAYGROUND.JPG



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	MR. NAVEEN DOBRIYAL	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	MR. KHEEM SINGH	kvolfraipur1234@yahoo.co.i

#### Students

Sno.	Name	Email	Grade/Class
1.	TANIYA	kvolfraipur1234@yahoo.co.i	11
2.	DEEPANJALI KOTNALA	kvolfraipur1234@yahoo.co.i	11
3.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.i	11
4.	SUBHNEET CHAND	kvolfraipur1234@yahoo.co.i	11
5.	CHIRAG THAPLIYAL	kvolfraipur1234@yahoo.co.i	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	3000
Toilet flushing	6000
Personal cleaning	2000
Washing clothes	0
Cooking	100
Cleaning Utensils	300
Washing Vegetables	20
Mopping floors	300

Gardening	5000
Total	16720

### 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?	No
If your school has an eco-club, do they have water component?	No
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

**Supporting Documents**

1. BOYS TOILET PRIMARY.JPG
2. DRINKING WATER RO.JPG
3. GIRLS TOILET.JPG
4. URINALS.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).

16840

**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?

8

9 How many hand pumps do you have?

0

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

36

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

	Girls	Boys	Common	Total
Number of toilets	8	8	0	16

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

64

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

15

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.	MR. NAVEEN DOBRIYAL	kvolfraipur1234@yahoo.co.in

#### Administrative staff

Sno.	Name	Email
1.	MR. KHEEM SINGH	kvolfraipur1234@yahoo.co.in

#### Students

Sno.	Name	Email	Grade/Class
1.	CHIRAG THAPLIYAL	kvolfraipur1234@yahoo.co.in	11
2.	SHAGUN JAIN	kvolfraipur1234@yahoo.co.in	11
3.	ABHISHEK	kvolfraipur1234@yahoo.co.in	11
4.	UTKARSHA SINGH	kvolfraipur1234@yahoo.co.in	11
5.	TANIYA	kvolfraipur1234@yahoo.co.in	11

### 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	26	0	26	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	2	0	2	0	0

Laboratory	6	0	6	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	2	0	2	0	0
Library	1	0	1	0	0
Toilets	15	0	15	0	0
Others	0	0	0	0	0
Total	61	0	61	0	0

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	100
Kitchen waste	50
Paper	100
Plastic	5
Wood, glass, metal, classroom furniture	500
E-waste	10
Biomedical waste	20
Sanitary waste	10
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	795

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?

## Landfill Site

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	0
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	5	5	0
Heaters	5	5	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	80	80	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	4	2
Copying equipment (Photocopiers)	2	2	0
Projectors	16	16	0
Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0

Pocket & desk calculators	3	3	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

### Supporting Documents

1. COMP LAB.JPG
2. PRINTER.JPG
3. SCANNER.JPG
4. PROJECTOR.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?

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?

INFORMATION SHOULD BE GIVEN IN SUFFICIENT ADVANCE TIME

8

How would you rate the overall design of the audit?

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

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. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Photographs of lunch boxes
5. Picture of Canteen selling UPPF
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of Electronic items used by school and storage of non-working electronic items
10. Pictures of respective audit teams doing survey