



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA ONGC,
Address: KAULAGARH ROAD, DEHRADUN,
UTTARAKHAND, DEHRADUN,
DEHRADUN, Uttarakhand, India
Coordinator Name: Sarita Bhatnagar



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 ONGC,

2

Address

KAULAGARH ROAD, DEHRADUN, UTTARAKHAND, DEHRADUN, DEHRADUN, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 135 (NUMBER) 2754378

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9411715715

5

Principal Name

D.S. Negi

6

GSP Coordinator Name

Sarita Bhatnagar

7

GSP Coordinator Email

saritabhatnagar49@yahoo.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9411767073

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	995	833	1828
Teachers	20	38	58
Non-Teaching Staff	08	02	10
TOTAL	1023	873	1896

4(b)

How many visitors visit your school

5000

5

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

250

6

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

Aug, Sep, Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Sarita Bhatnagar	Sarita Bhatnagar
2.	Yogesh Diwan	yogeshdewan03@yahoo.co.in
3.	Nirupma Singh	reetaniru@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sanjeev Rajput	sanjeevrajput68@gmail.com
2.	Sh. K. Chandra Dhoundiyal	kcdhoundiyal1971@gmail.com
3.	Vinod Uniyal	vinoduniyal18@gmail.com
4.	Mr. S.C. Nawani	scnawani@gmail.com
5.	Mr. Kamal Bahadur Chhetri	kamalbchhetri@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ila Bhatt	ilabhatter@gmail.com	11
2.	Garima Tiwari	5sosgarima@gmail.com	11
3.	Garima Rawat	garimarawat0206@gmail.com	11
4.	Aditi Uniyal	aditiuniyal07@gmail.com	11
5.	Jhanvi Sharma	jahnnavisharma1001@gmail.com	11
6.	Neharika Negi	neha190149@gmail.com	11
7.	Prabdeep Kaur	deepkpm2000@gmail.com	11
8.	Sakshi Dabral	sakshidabral@yahoo.com	11
9.	Anisha Divakar	anishadivakar0930@gmail.com	11
10.	Vidit Singh Rathore	viditrathore1977@gmail.com	11

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

1

How many classrooms does your school have?

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)
XI A	300.00	25.00	8.33
XI B	290.00	24.00	8.28
XIC	295.00	26.00	8.81
XI D	275.00	24.00	8.73
XI E	275.00	26.00	9.45
XI F	280.00	25.00	8.93
XIIA	300.00	25.00	8.33
XII B	295.00	26.00	8.81
XIIC	295.00	25.00	8.47
XII D	290.00	24.00	8.28
TOTAL	2,895.00	250.00	

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	200	0	0	200
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	200	10	0	210
Taxi four-wheeler	386	0	0	386

Taxi three-wheeler	384	0	0	384
Personal four-wheeler	50	15	1	66
Personal two-wheeler	50	22	2	74
Bicycle	56	0	2	58
On foot	302	11	5	318
Others (non-motorised)	200	0	0	200
SUB-TOTAL	1828	58	10	1896

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

5

How many students suffer from respiratory ailments ?

18

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.	Madhavi Singh	madhavisinghkvs@gmail.com
2.	Anupama Chandola	anupamachandola@gmail.com
3.	Kala Kutiyal	kkutiyal18@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sanjeev Rajput	sanjeevrajput68@gmail.com
2.	Vinod Purohit	vinodpgr8@gmail.com
3.	Balveer Singh Kandari	bskandari@outlook.com
4.	Kailash Chand Dhoundiyal	kcdhoundiyal1971@gmail.com
5.	Kamal Chhetri	kamalbchhetri@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akshita Panwar	akshita.2002.panwar@gmail.com	9
2.	Ayushi Bhakuni	bhakunip@yahoo.com	9
3.	Yashika Sharma	abc@xyz.pqr	9
4.	Kanika Bhola	kanikabhola66@gmail.com	9
5.	Kirti Sharma	pmcddn@gmail.com	9
6.	Roshan Pious	roshan.pious@rediffmail.com	9
7.	Rishav Rana	ranarishav27@gmail.com	9
8.	Aryan Kukreti	abc@xyz.pqr	9
9.	Kartikay	abc@xyz.pqr	9
10.	Harsh Pandey	harshpandey24@gmail.com	6

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

No

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)	0	0.00	0
Electricity from generator (diesel) (litres)	30	1368.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	30	1368.00	1
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)	71	3663.60	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	131.00	6399.60	

Supporting Documents

1. Electricity bill.pdf
2. FUEL GENERATER BILL.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	19	1.5	4
Refrigerator	2	185	4
Microwave	0	0	1
Tube Lights	440	40	1
CFL Bulbs	21	9	1
LED Lights	62	22	1
Fans	245	55	1

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.	Madhavi Singh	madhavisinghkvs@gmail.com
2.	Kala Kutiyal	kkutiyal18@gmail.com
3.	Anupama Chandola	anupamachandola@gmail.com

Administrative staff

Sno.	Name	Email
1.	Denny Thomas	dennythomas6@gmail.com
2.	M. Elahi	mohab.elahi@gmail.com
3.	L. Bughani	lalitabughani2015@gmail.com
4.	Y. Dewan	Yogeshdewan03@yahoo.co.in
5.	S. C. Nawani	scnawani@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Meghna Singh		10
2.	Tanisha Mohanty		10
3.	Tejasvi		10
4.	Riya		10
5.	Nishi	nishibhatia2811@gmail.com	10
6.	Aditi	deepak.gaur@gmail.com	10
7.	Disha	dineshjoshi1995@gmail.com	10
8.	Deepali	anchal1519@gmail.com	10
9.	Rageshri	rageshrigarg@gmail.com	10
10.	Swati	sachinkumar4334@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

Yes

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

Supporting Documents

1. 1.JPG

2. 2.JPG

3. 3.JPG

4. 4.JPG

2(a)(1)

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

1528.00

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	1	120	8
Confectionery items (chocolate, candies, gums)	3	2840	8

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

Supporting Documents

1. CANTEEN 1.JPG
2. CANTEEN 2.JPG

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	250
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	50

4(b)

Give descriptions for rare local snacks served in your school:?

bread rolls, bread pakoras, sandwiches, aloo tikkies, spring rolls.

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

cakes, biscuits, chocolates,snacks, fruity,fruits.

7

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

Yes

7(a) Please provide the names?

dairy milk, perk, munch, fruity, appy

8

Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

No

Supporting Documents

1. food audit team.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	ANUPAMA CHANDOLA	anupamachandola@gmail.com
2.	KAMLESH RAUTELA	kamlesh81.kvs@gamil.com

Administrative staff

Sno.	Name	Email
1.	S C NAWANI	scnawani@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	KASHISH		9
2.	FALGUNI		9
3.	ANIKA		9
4.	SHRUTI		9
5.	SNEHA		9
6.	YOSHITA NEGI		9
7.	GURSAKSHI KAUR		9
8.	UZMA		9
9.	SNEHA PRAJAPATI		9
10.	SHRISTI		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 (m2)	44,515
Ground coverage area	1,300
Green landscaped area on-ground	31,481
Surface parking area	0

Play area that is paved/ concrete on ground	1,081
Play area that has grass on ground	2,700
Service Area on ground	12
Roof and terrace area	4,201
Green cover on exposed roof & terrace	0
Total built up/constructed area	9,000
Total no. of floors	3
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	61	2	63
Animals	23	0	23

Task 4: Find out if your school uses pesticides

4

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

Yes

Supporting Documents

1. school.jpg
2. LAND AUDIT TEAM.jpg
3. LAND 1.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Anupama Chandola	anupamachandola@gmail.com

Administrative staff

Sno.	Name	Email
1.	Balvir Singh Kandari	bskandari@outlook.com
2.	Vinod Purohit	vindopgr@gmail.com
3.	Anant Shah	music.anant@gmail.com
4.	Prem Singh	
5.	Ram Kishore	

Students

Sno.	Name	Email	Grade/Class
1.	DEEPTI		9
2.	PRACHI		9
3.	RAVEENA		9
4.	RASHMI		9
5.	SONALI		9
6.	MARIYAM		9
7.	SHEETAL		9
8.	AARTI		9
9.	SHIVANI		9
10.	ADITI		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	1200

Toilet flushing	1200
Personal cleaning	2000
Washing clothes	20
Cooking	50
Cleaning Utensils	50
Washing Vegetables	12
Mopping floors	500
Gardening	1000
Total	6032

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?	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

Supporting Documents

1. school.jpg
2. school building.jpg
3. water audit team.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).

430

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?

12

9 How many hand pumps do you have?

0

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

80

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

	Girls	Boys	Common	Total
Number of toilets	06	06	05	17

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

36

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

12

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.	ANUPAMA CHANDOLA	anupamachandola@gmail.com
2.	MADHAVI SINGH	madhavisinghkvs@gmail.com
3.	KALA KUTIYAL	kkutiyal18@gmail.com

Administrative staff

Sno.	Name	Email
1.	S K JOSHI	joshisunil.62@gmail.com
2.	DENNY THOMAS	dennythomas6@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ASHOK CHOUHAN		9
2.	SURAJ		9
3.	PRATEEK		9
4.	AMRITANSHU		9
5.	PUSHKARJEET		9
6.	HIMANSHU		9
7.	ADMAN		9
8.	SANGAM		9
9.	GAURAV		9
10.	AKSHIT		9

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. Students and teachers
2. Housekeeping (Sweeper)

3. Gardener

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	45	0	45	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	3	0	2	1	0
Staffroom	2	0	2	0	0
Laboratory	5	0	5	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	0	1	0
Toilets	16	1	15	0	0
Others	4	0	4	0	0
Total	80	1	75	4	0

Supporting Documents

1. 1.jpg
2. 2.jpg
3. 3.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	80
Kitchen waste	180

Paper	50
Plastic	15
Wood, glass, metal, classroom furniture	150
E-waste	75
Biomedical waste	12
Sanitary waste	10
Construction and Demolition (C & D) waste	180
Hazardous waste	5
Total Generated Solid Waste (in kilogram)	757

Supporting Documents

1. waste seggregation.JPG
2. waste.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?

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)?

25.00

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?

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	45	40	5
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	6	6	0
Heaters	0	0	0
Microwaves	2	2	0
Ovens	2	2	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	160	155	5
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	2	2	0
Projectors	25	22	3
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	1	01	0
Telex	0	0	0

Telephones	8	8	0
Pay telephones	0	0	0
Mobiles	72	72	0
Answering systems	0	0	0

Supporting Documents

1. comp. lab.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 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?

Yes

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , By the showcasing of posters and stickers

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?

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

ONLY REGISTRATION DONE IN 2015 (32%)

1(b)

If yes, how many times have you done the audit?

NIL

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?

WE NEED TO INSTALL RAINWATER HARVESTING AND PAPER RECYCLING SYSTEM

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?

60.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Photographs of lunch boxes
4. Picture of Canteen selling UPPF
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Pictures of housekeeping staff disposing different types of solid waste
9. Pictures of Electronic items used by school and storage of non-working electronic items
10. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
11. Pictures of respective audit teams doing survey