



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: K.V.Upper Camp Dehradun Cantt.
Address: K.V. Upper Camp, Dehradun Cantt,
248003, Dehradun, Dehradun,
Uttarakhand, India
Coordinator Name: Shuchi Mittal



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

K.V.Upper Camp Dehradun Cantt.

2

Address

K.V. Upper Camp, Dehradun Cantt, 248003, Dehradun, Dehradun, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 135 (NUMBER) 2759929

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7055511909

5

Principal Name

Mrs. Rita Indrajeet Singh

6

GSP Coordinator Name

Shuchi Mittal

7

GSP Coordinator Email

mittalshuchi08@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9410319050

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	711	665	1376
Teachers	17	31	48
Non-Teaching Staff	8	2	10
TOTAL	736	698	1434

4(b)

How many visitors visit your school

200

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.	S.K.Bhatt	S.K.Bhatt
2.	Shuchi mittal	mittalshuchi08@gmail.com
3.	Amit Kapruwan	amitkapruwan@gmail.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra Badwal	hemchandrakvuc@rediffmail.com
2.	S. Sekhran	sshekarankvuc@gmail.com
3.	Sunil Kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vishnu	vishnu.76@yahoo.com	9
2.	AmitKumar Singh	amitkumarsingh13102002@gmail.com	9
3.	Nikhil Juyal	nikhilkumarjuyal777@gmail.com	9
4.	Ankit Negi	ankitnegi669@gmail.com	9
5.	Sony Rawat	sonyrawat2002@gmail.com	9
6.	Sanjana Sharma	sanjanagha99@gmail.com	9
7.	Pooja Khattri	poojakhattri19000@gmail.com	9
8.	Shivani	shivanibhandari2002@gmail.com	9
9.	kavita Chauhan	kavitachauhan19@gmail.com	9
10.	Pooja Thapa	poojathapa.987@gmail.com	9

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)
III Section A	42.00	21.00	50.00
IV Section A	42.00	21.00	50.00
V Section A	42.00	21.00	50.00
VI Section A	42.00	21.00	50.00
VII Section A	42.00	21.00	50.00
VIII Section A	42.00	21.00	50.00
IX Section A	42.00	21.00	50.00
X Section A	42.00	21.00	50.00
XI Section A	42.00	21.00	50.00
XII Section A	42.00	21.00	50.00
TOTAL	420.00	210.00	

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	420	4	1	425
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	492	5	0	497
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	2	1	0	3

Personal four-wheeler	0	9	0	9
Personal two-wheeler	7	15	4	26
Bicycle	28	0	0	28
On foot	427	14	5	446
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1376	48	10	1434

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

5

How many students suffer from respiratory ailments ?

1

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.	Amit Kapurwan	amitkapurwan@gmail.com
2.	Sushil Kumar Bhatt	sk61bhatt@gmail.com
3.	Shuchi Mittal	mittalshuchi08@gmail.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra	hemchandrakvuc@rediffmail.com
2.	S. Sekhran	sshekarankvuc@gmail.com
3.	Sunil Kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Hema	kaniyal.hema905@gmail.com	12
2.	Ambuj Sharma	ambujsharma576@gmail.com	12
3.	Arun Purohit	arunpurohit18573@gmail.com	12

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ele 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)	600	2160.00	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	10	467.00	2
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)	2	103.20	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	642.00	4098.20	

Supporting Documents

1. fuel bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	1	1.5	0
Refrigerator	1	165	0
Microwave	0	0	0
Tube Lights	130	40	0

CFL Bulbs	302	20	0
LED Lights	10	10	0
Fans	135	50	0

Supporting Documents

1. 5 star app.jpg

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

5

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

260

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.	Ms. Alka thapa	singhalka339@gmal.com
2.	Sushil Kumar Thapa	sushildj88mix@gmail.com
3.	Mukesh Raturi	mukeshraturi111@gmail.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra	hemchandrakvuc@rediffmail.com
2.	S. Sekhran	sshekarankvuc@gmail.com
3.	Sunil Kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vinshu	vishnu.76@yahoo.com	9
2.	Amit kumar Singh	amitkumarsingh13102002@gmail.com	9
3.	Soni rawat	sonirawat2002@gmail.com	9

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. lunch box 1.jpg
2. lunch box 2.jpg

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

1376.00

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	4	500	2
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	5	200	02
Packaged/Bottled Energy Drinks	0	0	0

Supporting Documents

1. school canteen 12.jpg

2. school canteen 1.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	150
Idli/vada and sambhar	100
Pav bhaji	70
Momos	0
Others	100

4(b)

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

Fruit Chart, potato chap, Dahi Bada, etc

5

Does your school serve traditional Indian beverages?

Yes

5(a)

Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	60
Sweet lassi	60
Salted butter milk	0
Aam Panna	60
Others	30

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. food audit team in canteen.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Manoj Kumar Dhiman	mnjdhn37@gmail.com
2.	Shuchi Mittal	mittalshuchi08@gmail.com
3.	Mukesh Raturi	mukeshraturi111@gmail.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra	hemchandrakvuc@rediffmail.com
2.	S. Sekhran	sshekarankvuc@gmail.com
3.	Sunil Kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Hema	kanyal.hema905@gmail.com	12
2.	Sameer Ansari	sameeransari@gmail.com	12
3.	Viney Dangwal	vineydangwal@gmail.com	12

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)	40,295
Ground coverage area	7,250
Green landscaped area on-ground	13,520
Surface parking area	0
Play area that is paved/ concrete on ground	830
Play area that has grass on ground	2,045
Service Area on ground	6,700

Roof and terrace area	7,040
Green cover on exposed roof & terrace	0
Total built up/constructed area	7,080
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	120	29	149
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. green cover 1.jpg
2. green cover 2.jpg
3. land area.jpg
4. school building plan.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Iqbal Nasir	inansari_78@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra	hemchandrakvuc@rediffmail.com
2.	Sunil Kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akshay Dixit	gsdixit58@gmail.com	12
2.	Prashant Bisht	pbisht9927979639@gmail.com	12
3.	Lalit Singh	Lalit261@gmail.com	12

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	800
Toilet flushing	1200
Personal cleaning	0
Washing clothes	0
Cooking	5
Cleaning Utensils	15
Washing Vegetables	2
Mopping floors	80
Gardening	300

Total	2402
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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?

Municipality

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?	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?	Yes
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).

2000

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?

25

11

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

	Girls	Boys	Common	Total
Number of toilets	22	17	1	40

12

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

18

13

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

4

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

Used for gardening and horticulture

Supporting Documents

1. flow chart of water.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Karan Singh	petkaran007@gmail.com

Administrative staff

Sno.	Name	Email
1.	Hem Chandra	hemchandrakvuc@rediffmail.com
2.	Sunil kumar	sunilkvuc@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sagar	rakeshk6667.sk@gmail.com	12
2.	Arun Purohit	arunpurohit18573@gmail.com	12
3.	Abhishek Negi	abin6358@gmail.com	12
4.	Avinash Verma	vermaavinash451@gmail.com	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. 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	36	0	18	18	0
Playgrounds	6	0	3	3	0
Common area (e.g. reception, corridors)	20	0	10	10	0
Staffroom	6	0	3	3	0
Laboratory	16	0	8	8	0
Canteen	4	0	2	2	0
Clinic/ Sick room	2	0	1	1	0
Library	2	0	1	1	0
Toilets	16	0	8	8	0
Others	24	0	12	12	0
Total	132	0	66	66	0

Supporting Documents

1. paper dustbin.jpg
2. play ground with 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	0.1
Paper	5
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	0.3
Biomedical waste	0.1
Sanitary waste	10

Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	62.5

Supporting Documents

1. solid waste audit measurement 1.jpg
2. solid waste audit measurement 2.jpg
3. solid waste audit measurement 3.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	30
Kitchen waste	4
Paper	5
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total (in kilogram)	49

5

Does your school have a composting facility?

Yes

Supporting Documents

1. compost pit.jpg

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)?

6.00

5c

What is the purpose of the compost that is generated per month?

For horticultural purposesFor 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)	✗	✗	✓	✗

Supporting Documents

1. kabadi wala.jpg

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)

Supporting Documents

1. housekeeping staff final.jpg

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	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	7	3	4
Heaters	2	2	0
Microwaves	0	0	0
Ovens	3	3	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	65	65	0
Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0

Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	3	3	0
Projectors	18	18	0
Whiteboards	25	25	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	10	10	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. 5 star app.jpg
2. electronic item 1.jpg
3. electronic item 2.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

waste mangnment policy.jpg

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

Supporting Documents

1. cleanliness campaign.jpg
2. swachata.jpg
3. skit on cleanliness.jpg
4. Debate on Cleanliness.jpg

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. Land Audit.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?

3

2 Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

Yes

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?

Implementation of Rain Water Harvesting 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	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>No</p>
10	<p>Could you finish all the tasks in given period of time online?</p> <p>Yes</p>
11	<p>How many times did you contact the Green Schools Programme Team for guidance and counseling?</p> <p>Once</p>
12	<p>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?</p> <p>Yes</p>
13	<p>Did your students enjoy doing the Water activities?</p> <p>Yes</p>
13(a)	<p>How many students were involved in the activities?</p> <p>30.00</p>

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. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
12. Picture of types of solid waste generated
13. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
14. Pictures of housekeeping staff disposing different types of solid waste
15. Pictures of Electronic items used by school and storage of non-working electronic items
16. Waste Policy
17. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
18. Pictures of respective audit teams doing survey