



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA FRI
Address: FOREST RESEARCH INSTITUTE,
DEHRADUN , DEHRADUN, DEHRADUN,
Uttarakhand, India
Coordinator Name: AMIT KUMAR



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 FRI

2

Address

FOREST RESEARCH INSTITUTE, DEHRADUN , DEHRADUN, DEHRADUN, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 135 (NUMBER) 2774415

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9411394530

5

Principal Name

Charu Sharma

6

GSP Coordinator Name

AMIT KUMAR

7

GSP Coordinator Email

amitomnaren@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8794345395

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	785	629	1414
Teachers	13	27	40
Non-Teaching Staff	11	02	13
TOTAL	809	658	1467

4(b)

How many visitors visit your school

20

5

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

224

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.	CHAMPA NEGI	CHAMPA NEGI

Administrative staff

Sno.	Name	Email
1.	MR RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	MRS SWATI RAWAT	swati.rawatkvs@gmail.com
3.	MRS M ADHIKARI	mala_9@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akanksha Benjwal		11
2.	Ishika Barthwal		11
3.	Mudit Sharma		11
4.	Ankita Rawat		11
5.	Nancy Bisht		11

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

1 How many classrooms does your school have?

33

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)
II A	24.00	8.00	33.33
V A	24.00	8.00	33.33
VI B	42.00	8.00	19.05
VIII C	30.00	8.00	26.67

IX B	42.00	9.50	22.62
X A	42.00	9.50	22.62
XI B	42.00	9.50	22.62
XII C	42.00	9.50	22.62
VII C	42.00	8.00	19.05
IV A	24.00	8.00	33.33
TOTAL	354.00	86.00	

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	259	4	1	264
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	269	5	2	276
Taxi four-wheeler	54	0	3	57
Taxi three-wheeler	201	1	0	202
Personal four-wheeler	52	10	3	65
Personal two-wheeler	21	12	2	35
Bicycle	290	0	0	290
On foot	268	8	2	278
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1414	40	13	1467
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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?

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.	Mr Mukesh Kumar Batra	mkbatra1@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	MR M S RAWAT	meharbansingh757@gmail.com
3.	MRS SWATI RAWAT	swati.rawatkvs@gmail.com
4.	MRS MALA ADHIKARI	mala_9@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	VIVEK		11
2.	MRIDUL		11
3.	RAUNAK		11
4.	DEEPESH		11
5.	VINAY		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.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)	1466	5277.60	0
Electricity from generator (diesel) (litres)	15	684.00	0
Petrol (litres)	9	420.30	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)	32	1651.20	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1522.00	8033.10	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	5	1	3
Refrigerator	3	190	3
Microwave	0	0	0
Tube Lights	252	40	0

CFL Bulbs	250	18	0
LED Lights	35	9	0
Fans	200	60	4

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?

305

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.	SHALINI MASOAN	shalinimasoan@gmail.com
2.	ALKA NEGI	alkanegi2005@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	MR M S RAWAT	meharbansingh757@gmail.com
3.	MRS SWATI RAWAT	swati.rawatkvs@gmail.com
4.	MRS M ADHIKARI	mala_9@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashish Sharma		11
2.	Satyam Khanera		11
3.	Piyush		11
4.	Ayush Singh		11
5.	Vishal Vedwal		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. DSC09600.JPG
2. DSC09601.JPG
3. DSC09603.JPG

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

1360.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

65.00

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)	14	670	10
Ice-cream	2	300	2
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	2	210	4
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	6	90	4

Packaged/Bottled Energy Drinks	0	0	0
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Supporting Documents

1. DSC09589.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	35
Pav bhaji	0
Momos	0
Others	300

4(b)

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

biscuits, Muffins, Pakoras, Creamrolls, Patties 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	80
Sweet lassi	85
Salted butter milk	85
Aam Panna	85
Others	100

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

Biscuits and muffins

7

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

Yes

7(a)

Please provide the names?

Branded biscuits like parle and britannia, Fruitcakes and Muffins.

8

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

Yes

8(a)

Does the school distribute packaged food items as rewards during schools events?

Colgate

8(b)

Are their banners, brochures, hoardings, stalls etc. put-up during the events?

No

Supporting Documents

1. DSC07141.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	BABOOJI SHARMA	bjsharma61@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	MR M S RAWAT	meharbansingh757@gmail.com
3.	MRS SWATI RAWAT	swati.rawatkvs@gmail.com
4.	MRS MALA ADHIKARI	mala_9@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	BISMARCK		12
2.	HARNOOR		12
3.	SAURABH		12
4.	MAHIMA		12
5.	CHITRANSH		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)	60,702
Ground coverage area	32,000
Green landscaped area on-ground	26,000
Surface parking area	0
Play area that is paved/ concrete on ground	3,000
Play area that has grass on ground	29,000

Service Area on ground	2,800
Roof and terrace area	26,271
Green cover on exposed roof & terrace	0
Total built up/constructed area	28,965
Total no. of floors	2
Others	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	65	46	111
Animals	25	8	33

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. DSC09599.JPG
2. DSC_0057.jpg
3. DSC06145.JPG
4. DSC_0057.jpg
5. DSC06194.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	b j sharma	bjsharma61@gmail.com

Administrative staff

Sno.	Name	Email
1.	RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	M S RAWAT	meharbansingh757@gmail.com
3.	SWATI RAWAT	swati.rawatkvs@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	UDIT CHAUHAN		11
2.	NAVNEET BISHT		11
3.	GAYATRI		11
4.	AKSHITA MAINDOLA		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	760
Toilet flushing	300
Personal cleaning	200
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0

Mopping floors	280
Gardening	750
Total	2290

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

7-12 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?	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)

Yes

Supporting Documents

1. SCAN1.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).

72260

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?

36

9

How many hand pumps do you have?

0

10

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

12

11

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

	Girls	Boys	Common	Total
Number of toilets	15	15	0	30

12

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

20

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

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

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	KIRAN RAWAT KAINтура	kiranrawatkaintura@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR RAMESH SHARMA	rameshsharma.kv@gmail.com
2.	MR M S RAWAT	meharbansingh757@gmail.com
3.	MRS SWATI RAWAT	swati.rawatkvs@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ISHIKA BARTWAL		11
2.	AYUSH GAUR		11
3.	ROHAN CHAUHAN		11
4.	RISHABH KUMAR		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. 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	33	0	33	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	14	0	10	4	0
Staffroom	3	0	3	0	0
Laboratory	10	0	10	0	0
Canteen	1	0	0	1	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	7	0	7	0	0
Others	18	0	18	0	0
Total	90	0	83	7	0

Supporting Documents

1. DSC09588.JPG
2. 20141028_083800.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	54
Kitchen waste	2
Paper	25
Plastic	0
Wood, glass, metal, classroom furniture	15
E-waste	15
Biomedical waste	2.5
Sanitary waste	3

Construction and Demolition (C & D) waste	65
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	181.5

Supporting Documents

1. DSC_9681.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	45
Kitchen waste	0
Paper	22
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	12
Hazardous waste	0
Total (in kilogram)	79

5

Does your school have a composting facility?

Yes

Supporting Documents

1. 20160929_123554.jpg

5a

What is the methodology used?

Natural composting without added microbes
Other: VERMI COMPOSTING

5b

What is the quantity of compost that is generated per month(in kilogram)?

12.00

5c

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

For horticultural purposes
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)	✓	✗	✗	✗

Supporting Documents

1. DSC00669.JPG

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	2	2	0
VCR or DVD players	2	2	0
Refrigerators and freezers	4	4	0
Washing machines	0	0	0
Air conditioners	5	5	0
Heaters	6	6	0
Microwaves	0	0	0
Ovens	2	2	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	57	57	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0

Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	8	8	0
Projectors	12	12	0
Whiteboards	15	15	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	8	8	0
Fax machines	5	5	0
Telex	0	0	0
Telephones	6	6	0
Pay telephones	0	0	0
Mobiles	60	60	0
Answering systems	0		

No documents uploaded by the school.

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?

Taken back by manufacturer

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

Supporting Documents

1. IMG_20161111_142651.jpg

13a

What form do these awareness drives take?

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. 1.jpg
2. DKS_7561.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?

1

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?

Training and workshops should be provided to sensitize teachers and students. Those schools who got prizes under GSP audit, their efforts should be highlighted to all.

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?

10.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
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. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
11. Waste Policy
12. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
13. Pictures of respective audit teams doing survey