



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya AFS Kasauli
Address: Airforce station, , Kasauli, Kasauli, Solan,
Himachal Pradesh, India
Coordinator Name: Ms. Nilima Saran



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 AFS Kasauli

2

Address

Airforce station, , Kasauli, Kasauli, Solan, Himachal Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 01792 (NUMBER) 270580

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9679642704

5

Principal Name

Bidyut Bikash Mahto

6

GSP Coordinator Name

Ms. Nilima Saran

7

GSP Coordinator Email

felisneel@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8894348166

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	217	141	358
Teachers	12	15	27
Non-Teaching Staff	3	1	4
TOTAL	232	157	389

4(b)

How many visitors visit your school

50

5

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

264

6

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

Aug

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Nilima saran	Ms. Nilima saran

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut Bikash Mahto	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vikas singh	vikassingh9459@gmail.com	10
2.	Sahil sahu	abhishekraooo1995@gmail.com	10
3.	Sahil bhatt	sahilbhatt9816@gmail.com	10

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

1 How many classrooms does your school have?

14

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	49.00	5.76	11.76
II	49.00	5.76	11.76
III	49.00	5.76	11.76
IV	49.00	5.76	11.76
V	49.00	5.76	11.76
VI	49.00	5.76	11.76
VII	49.00	5.76	11.76

VIII	49.00	5.76	11.76
IX	49.00	5.76	11.76
X	49.00	5.76	11.76
TOTAL	490.00	57.60	

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?

Operator-owned 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	60	0	3	63
School Transport(Other than bus)	63	0	0	63
Public transport (other than bus, Metro, car pool)	67	0	0	67
Taxi four-wheeler	17	2	0	19
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	21	4	0	25
Personal two-wheeler	15	6	1	22
Bicycle	0	0	0	0
On foot	115	15	0	130
Others (non-motorised)	0	0	0	0
SUB-TOTAL	358	27	4	389

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.	Ms. Nilima Saran	felisneel@gmail.com
2.	Mr. Upender	kvafskasauli@gmail.com
3.	Mr. Yogesh	kvafskasauli@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut Bikash Mahato	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Dikshant panwar	dikshantpanwar124@gmail.com	10
2.	Shubham chandel	kvafskasauli@gmail.com	10
3.	Shaheen	kvafskasauli@gmail.com	10

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG_20160906_135945.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
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Electricity from the board (kwh)	1400	5040.00	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)	2	103.20	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1402.00	5143.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	170	4
Microwave	0	0	0
Tube Lights	138	40	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	2	170	0

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?

200

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. Nilima Saran	felisneel@gmail.com
2.	Mrs. Jatinder	kvafskasauli@gmail.com
3.	Mr. Rajesh Prashar	kvafskasauli@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut Bikash Mahato	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Diya	kvafskasauli@gmail.com	10
2.	Rashmi	kvafskasauli@gmail.com	10
3.	Sakshi	kvafskasauli@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. IMG_20160906_144331.jpg

2(a)(1)

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

280.00

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

20.00

2(a)(3) Do teachers have the responsibility to ensure that students are carrying lunch from home?

No

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	12	5000	1
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	1	400	1
Potato fries and Burgers	1	1000	1
Confectionery items (chocolate, candies, gums)	20	6000	1
Ice-cream	10	2000	1
Carbonated beverages	15	5000	1
Sugar sweetened noncarbonated beverages	01	3000	1
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	01	100	1
Packaged/Bottled Energy Drinks	0	0	1

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

chocolates

7

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

Yes

7(a)

Please provide the names?

five star chocolates

8

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

No

Supporting Documents

1. 20160902_120415.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Nilima Saran	felisneel@gmail.com
2.	Mr. Pravesh	kvafskasauli@gmail.com
3.	Mrs. Jatinder	kvafskasauli@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut bikash mahato	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Hitesh	kvafskasauli@gmail.com	10
2.	Abhishek	kvafskasauli@gmail.com	10
3.	Dinesh	kvafskasauli@gmail.com	10

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)	10,117
Ground coverage area	8,968
Green landscaped area on-ground	486
Surface parking area	21
Play area that is paved/ concrete on ground	464
Play area that has grass on ground	210
Service Area on ground	0
Roof and terrace area	2,640

Green cover on exposed roof & terrace	40
Total built up/constructed area	10,117
Total no. of floors	5
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	30	40	70
Animals	1	0	1

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. IMG_20160902_142108.jpg
2. IMG_20160902_141915.jpg
3. IMG_20160902_141915.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Nilima saran	felisneel@gmail.com
2.	Mrs. Jatinder	kvafskasauli@gmail.com
3.	Mr. Upender	kvafskasauli@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut Bikash Mahato	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pankaj	kvafskasauli@gmail.com	10
2.	Deepak	kvafskasauli@gmail.com	10
3.	Shubham	kvafskasauli@gmail.com	10

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	1500
Toilet flushing	700
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	60

Gardening	300
Total	2560

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?	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?	No
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)

No

Supporting Documents

1. IMG_20160903_114935.jpg
2. IMG_20160903_115118.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).

2476

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?	No
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?

17

9 How many hand pumps do you have?

0

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

13

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

	Girls	Boys	Common	Total
Number of toilets	6	7	5	18

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

5

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

0

14 Is there a water storage system in place to supply water in the toilets?

Yes

15 Is the water supply sufficient?

No

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.	Ms. Nilima Saran	felisneel@gmail.com
2.	Mr. Niraj	kvafskasauli@gmail.com
3.	Mr. Parvesh	kvafskasauli@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bidyut Bikash Mahato	kvafskasauli@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Heena	kvafskasauli@gmail.com	10
2.	Pallavi	kvafskasauli@gmail.com	10
3.	Priyanka	kvafskasauli@gmail.com	10
4.	Ritika	kvafskasauli@gmail.com	10

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	14	3	11	0	0
Playgrounds	3	2	1	0	0
Common area (e.g. reception, corridors)	5	2	2	1	0
Staffroom	1	0	1	0	0

Laboratory	8	1	7	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	2	0	0
Library	2	0	2	0	0
Toilets	5	2	3	0	0
Others	0	0	0	0	0
Total	40	10	29	1	0

Supporting Documents

1. IMG_20160902_135450.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	5
Kitchen waste	1
Paper	11
Plastic	60
Wood, glass, metal, classroom furniture	10
E-waste	5
Biomedical waste	0.5
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	5
Total Generated Solid Waste (in kilogram)	97.5

Supporting Documents

1. IMG_20160902_135137.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?

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?

Open dumping

Supporting Documents

1. IMG_20160902_140836.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	1	1	0
VCR or DVD players	0	0	0
Refrigerators and freezers	2	1	1
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	6	4	2
Microwaves	0	0	0
Ovens	5	3	2
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	40	30	10
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	3	0

Copying equipment (Photocopiers)	6	3	3
Projectors	3	2	1
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	14	8	6
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. IMG_20160902_135803.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?

No

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 , As part of extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. IMG_20160902_140137.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?

awareness and finances

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?

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?

22.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Building construction plan
6. Pictures of playground with more than two dustbins
7. Picture of audit team weighing solid waste
8. Picture of types of solid waste generated
9. Pictures of housekeeping staff disposing different types of solid waste
10. Pictures of respective audit teams doing survey