



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KV AFS BORJHAR
Address: MOUNTAIN SHADOW , P.O.-AZARA
GUWAHATI, , GUWAHATI, Kamrup
Metropolitan, Assam, India
Coordinator Name: Devendra Kumar



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

KV AFS BORJHAR

2 Address

MOUNTAIN SHADOW , P.O.-AZARA GUWAHATI, , GUWAHATI, Kamrup Metropolitan, Assam, India

3 Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0361 (NUMBER) 2840324

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7086017151

5 Principal Name

Mr. Dhirendra Kumar Jha

6 GSP Coordinator Name

Devendra Kumar

7 GSP Coordinator Email

devtani@gmail.com

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9997371879

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	1038	880	1918
Teachers	36	46	82
Non-Teaching Staff	6	2	8
TOTAL	1080	928	2008

4(b)

How many visitors visit your school

100

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.	Ms. Kiron Kumari Soren	Ms. Kiron Kumari Soren

Administrative staff

Sno.	Name	Email
1.	Mr. Khargeshwar Das	kdaskvs@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Priya Yadav	priyayadav16092000@gmail.com	10
2.	Alia Anam	alianice2@gmail.com	10

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

1 How many classrooms does your school have?

48

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)
1 A	44.28	6.58	14.86
2 B	44.28	6.58	14.86
3 C	44.48	6.58	14.79
9 A	49.68	9.17	18.46
9 B	49.68	9.17	18.46
10 C	49.68	9.17	18.46
10 B	50.37	16.64	33.04
11 A	50.37	16.64	33.04

11 B	50.37	16.64	33.04
12 A	50.37	16.64	33.04
TOTAL	483.56	113.81	

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
School Bus	0	0	0	0
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	300	9	7	316
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	140	10	0	150
Personal two-wheeler	150	15	1	166
Bicycle	303	0	0	303
On foot	1025	48	0	1073
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1918	82	8	2008

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

5

How many students suffer from respiratory ailments ?

12

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. Ashwajeet Dive	ashwachem@gmail.com
2.	Mr. Suresh Kumar	suri0278@rediffmail.com
3.	Ms. Kiran Kumari Soren	kiran_kumarihzb@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	MR BINAY KALITA	

Students

Sno.	Name	Email	Grade/Class
1.	ANSHIKA RAI	anshikacool039@gmail.com	10
2.	DEVAPRANJAL	devapranjal@gmail.com	10
3.	Akhilesh K.	kamalonsathyan@gmail.com	7
4.	Aryan Kumar		7
5.	Debabrata Kalita		7

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Electricity Bill0001.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)	679	2444.40	1
Electricity from generator (diesel) (litres)	20	912.00	1
Petrol (litres)	20	934.00	4
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)	14.5	748.20	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	733.50	5038.60	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	15	1.5	5
Refrigerator	2	165	5
Microwave	0	0	0
Tube Lights	398	15	5
CFL Bulbs	33	9	5
LED Lights	0	0	0

Fans	341	60	5
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Supporting Documents

1. IMG_20161117_171604.jpg
2. IMG_20161117_171650.jpg

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

5

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

210

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.	Mrs. S. Mech	2463smch@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Binay kalita	

Students

Sno.	Name	Email	Grade/Class
1.	Abhijit kumar	p2indrajeet@gmail.com	9
2.	ALIA ANAM	alianice2@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_20161118_111700.jpg

2(a)(1)

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

1447.00

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	9000	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	10
Potato fries and Burgers	0	0	10
Confectionery items (chocolate, candies, gums)	0	0	10
Ice-cream	0	0	10
Carbonated beverages	1	600	10
Sugar sweetened noncarbonated beverages	1	400	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	10
Packaged/Bottled Energy Drinks	0	0	10

Supporting Documents

1. IMG_20161117_175058.jpg
2. IMG_20161118_111700.jpg
3. IMG_20161118_113343.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	0
Pav bhaji	0
Momos	0
Others	70

4(b) Give descriptions for rare local snacks served in your school:?

PURI SABZI ; BREAD PAKORA ; SANDWICH

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

SANDWICH; FRUITY; CHOCOLATES

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

Yes

7(a) Please provide the names?

MUNCH; APPY; FRUITY

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

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Vijay Kumar	vk6090@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Khargeshwar kalita	

Students

Sno.	Name	Email	Grade/Class
1.	anjan das	surajkumar1234@gmail.com	9
2.	anish dutta	sudeepdutta@bsnl.co.in	9
3.	siddharth baliyan	sidbaliyan03@gmail.com	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 (m ²)	28,531
Ground coverage area	11,947
Green landscaped area on-ground	3,000
Surface parking area	1,834
Play area that is paved/ concrete on ground	2,400
Play area that has grass on ground	12,306
Service Area on ground	44
Roof and terrace area	6,000
Green cover on exposed roof & terrace	100
Total built up/constructed area	6,000

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	166	364	530
Animals	12	0	12

Task 4: Find out if your school uses pesticides

4

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Suresh Kumar	suri0278@rediffmail.com
2.	Mr. kuldeep Kavia	kuldeepkavia@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Nagen Saud	

Students

Sno.	Name	Email	Grade/Class
1.	chandrayani bhardwaj	bhardwajc1999@gmail.com	12
2.	sanika choudhari	sanika.choudhari@gmail.com	12
3.	p. nimisha	sujathapsrao1973@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	10000
Toilet flushing	4000
Personal cleaning	100
Washing clothes	0
Cooking	50
Cleaning Utensils	30
Washing Vegetables	20
Mopping floors	200
Gardening	1000

Total	15400
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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?

Public Health Engineering Department (PHED)

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

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).

7560000

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?

24

9

How many hand pumps do you have?

1

10

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

24

11

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

	Girls	Boys	Common	Total
Number of toilets	32	21	0	53

12

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

33

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?

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Namita Das	namita.roy1@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs Nagarathan	

Students

Sno.	Name	Email	Grade/Class
1.	Nipun Tiwari	happynipun2@gmail.com	8
2.	Prarthana Das	Gopaldas23@gmail.com	10
3.	Tanmoy kashyap	tanmoykashyap28@gmail.com	10
4.	AKASH .T. NARESH	narekha_69@yahoo.co.in	10
5.	SUCHISMITA PANIGRAHI	suchismitapanigrahi16@gmail.com	10
6.	DHRITIRAJ KALITA	dhritirajinscience@gmail.com	09
7.	UPASHREE NATH	upashreenath@gmail.com	09
8.	ANGSHUMAN HAZOARY	hazoaryanjana@gmail.com	09
9.	SIMMY	munnak@gmail.com	09
10.	KABERI KAKATI	kaberi.tiku@gmail.com	10

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. Housekeeping (Sweeper)
2. 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	48	0	48	0	0
Playgrounds	3	3	0	0	0
Common area (e.g. reception, corridors)	9	0	9	0	0
Staffroom	2	0	0	2	0
Laboratory	12	0	12	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	9	0	9	0	0
Others	1	0	1	0	0
Total	87	3	82	2	0

Supporting Documents

1. IMG-20161118-WA0015.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	1500
Kitchen waste	50
Paper	380
Plastic	50
Wood, glass, metal, classroom furniture	100
E-waste	2
Biomedical waste	10

Sanitary waste	94
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	2186

Supporting Documents

1. IMG-20161118-WA0010.jpg
2. IMG-20161118-WA0014.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)				

Supporting Documents

1. IMG-20161118-WA0015.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. IMG-20161118-WA0011.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	3	2	1
VCR or DVD players	0	0	0
Refrigerators and freezers	2	1	1
Washing machines	0	0	0
Air conditioners	15	14	1
Heaters	2	2	0
Microwaves	0	0	0
Ovens	1	1	0

Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	60	54	6
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	15	11	4
Copying equipment (Photocopiers)	5	4	1
Projectors	9	8	1
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	6	5	1
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

No documents uploaded by the school.

11

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

Supporting Documents

1. waste bill0001.pdf
2. Waste Bill0002.pdf

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

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?

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?

Proper awareness among schools population. Restructuring RWH system. More effective way to disposal of solid waste. And making a very judicious use of natural resources.

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	Average

9

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

Yes

9(a) If yes, please share your suggestions.

Few audits are very lengthy and have some irrelevant questions.

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?

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. Traditional food items sold in canteen
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Building construction plan
10. Pictures of bio-pesticides
11. Pictures of playground with more than two dustbins