



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya Barpeta
Address: Krishna Nagar, Sunadaridia, Barpeta,
Barpeta, Assam, India
Coordinator Name: Santosh 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

Kendriya Vidyalaya Barpeta

2

Address

Krishna Nagar, Sunadaridia, Barpeta, Barpeta, Assam, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03665 (NUMBER) 236250

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9435485473

5

Principal Name

P.K. Singh

6

GSP Coordinator Name

Santosh Kumar

7

GSP Coordinator Email

santosh.kvpgt@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9957491633

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	239	228	467
Teachers	16	1	17
Non-Teaching Staff	1	1	2
TOTAL	256	230	486

4(b)

How many visitors visit your school

4

5

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

219

6

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

Sep, Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Sab ANNU BHAI PATEL	Sab ANNU BHAI PATEL
2.	SURENDRA KUMAR	skumar.kvba@gmail.com
3.	SURAJ BHAN SINGH RANA	surajbhan.rana85@gmail.com

Administrative staff

Sno.	Name	Email
1.	SURENDRA KUMAR	skumar.kvba@gmail.com
2.	SURAJ BHAN SINGH RANA	surajbhan.rana85@gmail.com
3.	SURESH KUMAR	suresh 23ashu@gmail.com
4.	PABITRA BAISHYA	pabitrabaishya85@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	DHRITIMAN MISRA	dhritimanmisrabpt@gmail.com	11
2.	DEBARSHI BAYAN	debbayan2015@gmail.com	9
3.	ANKIT SINGH	web.ankitsingh@gmail.com	9
4.	DHRITISMITA DAS	dhritismitadas02@gmail.com	9
5.	JYOTISMITA DAS	dasjyoti90@gmail.com	10
6.	HIYA KASHYAP	ldtalukdar@gmail.com	10
7.	KUNAL RISHI MUKTIAR	kunalmuktiar55@gmail.com	10

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

1 How many classrooms does your school have?

12

2 Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	$X = \text{Area of floor (LxB)}$	$Y = \text{Area of openings (LxH)}$	Percentage of the floor area being ventilated ($Y/X \times 100$)
--	----------------------------------	-------------------------------------	--

CLASS I	24.00	8.00	33.33
CLASS II	24.00	8.00	33.33
CLASS III	24.00	8.00	33.33
CLASS IV	24.00	8.00	33.33
CLASS V	24.00	8.00	33.33
CLASS VI	24.00	8.00	33.33
CLASS VII	24.00	8.00	33.33
CLASS VIII	24.00	8.00	33.33
CLASS IX	24.00	8.00	33.33
CLASS X	24.00	8.00	33.33
TOTAL	240.00	80.00	

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	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	145	0	0	145
Taxi three-wheeler	50	0	0	50
Personal four-wheeler	50	2	0	52
Personal two-wheeler	50	15	1	66

Bicycle	60	1	0	61
On foot	100	2	2	104
Others (non-motorised)	8	0	0	8
SUB-TOTAL	463	20	3	486

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?

Yes

Supporting Documents

1. 1479210429025.jpg
2. 1479210430478.jpg
3. 1479219937319.jpg
4. 1479219937565.jpg
5. 1479219937438.jpg



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	santosh kumar	santosh.kvpgt@gmail.com
2.	suresh kumar	suresh23ashu@gmail.com
3.	suraj bhan singh rana	surajbhan.rana85@gmail.com

Administrative staff

Sno.	Name	Email
1.	Pabitra Baishya	pabitrabaisa85@gmail.com
2.	Jahida begum	

Students

Sno.	Name	Email	Grade/Class
1.	Rahul sarma	rahulsarmakvb325@gmail.com	12
2.	Simanta khatiniar	simantakhatiniar8gmail.com	12
3.	Abhinav Parashar	abhinsk420@gmail.com	12
4.	dhisanta bharali	vaas264@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. kvb latest 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)	2726	9813.60	5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	15	700.50	2
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	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2743.00	10617.30	

Supporting Documents

1. kvb latest bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	3.5	3
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	23	920	0

CFL Bulbs	4	92	0
LED Lights	0	0	0
Fans	62	3720	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?

25

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.	dhiramoni moral	dhiramonimoral@gmail.com
2.	sureshkumar	suresh23ashu@gmail.com
3.	santosh kumar	santosh.kvpgt@gmail.com

Administrative staff

Sno.	Name	Email
1.	pabitra baisa	pabitrabaisa85@gmail.com
2.	Jahida begum	

Students

Sno.	Name	Email	Grade/Class
1.	Abhigyan bayan	junukalita69@gmail.com	9
2.	shrutismita das	dhritismitadas02@gmail.com	9
3.	digaru das	dhritismitadas02@gmail.com	9
4.	mampy sarma	dhritismitadas02@gmail.com	9
5.	dhritismita das	dhritismitadas02@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

No

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

Supporting Documents

1. bottles lunch photo.jpg

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

400.00

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

67.00

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	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

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?

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. 1.jpg
2. 2.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	SURESH KUMAR	suresh23ashu@gmail.com
2.	DHIRAMONI MORAL	dhiramoni@gmail.com
3.	SANTOSH KUMAR	santosh.kvpgt@gmail.com

Administrative staff

Sno.	Name	Email
1.	PABITRA BAISHYA	pabitarabaishya@gmail.com
2.	JAHIDA BEGUM	

Students

Sno.	Name	Email	Grade/Class
1.	NIRUPAM TALUKDAR	nirupamta@gmail.comlukadar123	10
2.	DEBASHIS DAS	debad79369@gmail.com	12
3.	GAURAV SINGH	gauravsingh8473@gmail.com	11
4.	RAKTIMABH DAS	raktimabhdasrd@gmail.com	10
5.	ALOKRSH DAS	alokeshdot@gmail.com	10
6.	CHIRANJIB PATHAK	chiranjibp41@gmail.com	12
7.	REZAUL KARIM RAZA	taibur62@gmail.com	10
8.	NITUL KALITA	nitul251@gmail.com	10
9.	ABHINAV PARASHAR	abhinsk420@gmail.com	12
10.	IMAMUL ISLAM	imamulislam15@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)	20,072
Ground coverage area	2,352

Green landscaped area on-ground	5,280
Surface parking area	0
Play area that is paved/ concrete on ground	1,440
Play area that has grass on ground	1,200
Service Area on ground	4,080
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	984
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	07	01	8
Animals	02	00	2

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_20161116_123942468.jpg
2. IMG_20161116_124658437.jpg
3. IMG_20161117_095938948.jpg
4. IMG_20161117_095454558.jpg
5. IMG_20161116_123525628.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	SANTOSH KUMAR	santosh.kvpgt@gmail.com
2.	SURESH KUMAR	suresh23ashu@gmail.com
3.	DHIRAMONI MORAL	dhiramoni@gmail.com

Administrative staff

Sno.	Name	Email
1.	Pabitra baishya	pabitrabaishya85@gmail.com
2.	Jahida Begum	

Students

Sno.	Name	Email	Grade/Class
1.	darathee das	dorothydas123@gmail.com	11
2.	kuwali krishna das	kkd243104@gmail.com	11
3.	Shymlima das	shyamlimadas30@gmail.com	11
4.	Gaurav singh	gauravsingh8473@gmail.com	11
5.	Md. tarique	hmtarique190@gmail.com	11
6.	Iman kalyan das		11
7.	kunal jyoti das	kunaldas2001@gmail.com	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	600
Toilet flushing	1000
Personal cleaning	200
Washing clothes	50

Cooking	30
Cleaning Utensils	20
Washing Vegetables	3
Mopping floors	10
Gardening	300
Total	2213

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

19-24 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?	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. 1.jpg
2. 2.jpg
3. 4.jpg
4. 5.jpg
5. 3.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).

600

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)?	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?

5

9 How many hand pumps do you have?

2

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

4

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

	Girls	Boys	Common	Total
Number of toilets	2	1	1	4

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

6

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

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 groundwater recharge

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Suresh kumar	suresh23ashu@gmail.com
2.	Santosh kumar	santosh.kvpgt@gmail.com
3.	Surendra kumar	skumar.kvba@gmail.com

Administrative staff

Sno.	Name	Email
1.	Pabitra baisa	pabitrabaisa85@gmail.com
2.	Jahida Begum	

Students

Sno.	Name	Email	Grade/Class
1.	Gaurav Singh	gauravsingh8473@gmail.com	11
2.	Emon Gayan	dukeemon4@gmail.com	11
3.	Dhritiman Misra	dhritimanmisrabpt@gmail.com	11
4.	Debashish Das	debad79369@gmail.com	12
5.	Kunal Jyoti Das	kunaldas2001@gmail.com	11
6.	Dhurba Jyoti choudhry	dhurbajyoti987@gmail.com	11
7.	Kaustav Moni sarma	kaustavmonisarma@gmail.com	11
8.	Hussain Mohd. Tarique	hmtarique190@gmail.com	11
9.	Simanta Khataniar	simantakhataniar8@gmail.com	12
10.	abhinav Parashar	abhinsk420@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

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	3	0	1	2	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	2	0	2	0	0
Laboratory	3	3	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	1	0	0	0
Toilets	1	1	0	0	0
Others	4	0	2	2	0
Total	16	5	7	4	0

Supporting Documents

1. DSC_0105.JPG
2. DSC_0108.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	20
Kitchen waste	0
Paper	8
Plastic	4
Wood, glass, metal, classroom furniture	8

E-waste	10
Biomedical waste	0
Sanitary waste	20
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	70

Supporting Documents

1. DSC_0056.JPG
2. DSC_0118.JPG
3. DSC_0046.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. DSC_0114.JPG

Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Don't know

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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	2	2	0
Heaters	0	0	0
Microwaves	0	0	0

Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	35	20	15
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	2	2
Copying equipment (Photocopiers)	3	1	2
Projectors	1	1	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	1	0
Pay telephones	0	0	0
Mobiles	19	19	0
Answering systems	0	0	0

Supporting Documents

1. DSC_0041.JPG

11

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

No

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

2.jpg

13

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

No

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?

our school is in temporary building right now. A permanent building help us to become more green school.

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?

8.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
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 Electronic items used by school and storage of non-working electronic items
11. Certificate of disposing e-waste from authorised dealer/dismantler
12. Waste Policy
13. Pictures of respective audit teams doing survey