



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA BIRPUR

Address: BIRPUR CANTT, DEHRADUN,
Dehradun, Uttarakhand, India

Coordinator Name: Poonam Singh



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 BIRPUR

2

Address

BIRPUR CANTT, DEHRADUN, Dehradun, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0135 (NUMBER) 2554434

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7060399079

5

Principal Name

H. S. Sharma

6

GSP Coordinator Name

Poonam Singh

7

GSP Coordinator Email

s.poonam.kv@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8171016307

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	742	644	1386
Teachers	27	38	65
Non-Teaching Staff	2	3	5
TOTAL	771	685	1456

4(b)

How many visitors visit your school

25

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.	poonam sharma	poonam sharma
2.	mona vaid	monikavaidkv@gmail.com
3.	poonam singh	s.poonam.kv@gmail.com

Administrative staff

Sno.	Name	Email
1.	poonam singh	s.poonam.kv@gmail.com
2.	bhagirathi bhist	bhagirathimehra1@gmail.com
3.	rajeev pathak	rmhpathak@gmail.com
4.	mona vaid	monikavaidkv@gmail.com
5.	ankita agarwal	imankita1112@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	akash mall	akashmallgo39@gmail.com	12
2.	harkirat	harkirat.makkar@gmail.com	12
3.	haina	nishanttewadiya2@gmail.com	9
4.	taniya rana	rtania155@gmail.com	9
5.	gaurav	kaptolagaurav444@gmail.com	10
6.	shakshi thapa	sakuthapa09@gmail.com	10

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)

classII section b	49.70	6.60	13.28
class IV section c	49.70	6.60	13.28
class VI section c	49.70	6.60	13.28
class vi section b	49.70	6.60	13.28
class vii secton b	49.70	6.60	13.28
class viii section c	49.70	6.60	13.28
class ix section b	49.70	6.60	13.28
class x section a	49.70	6.60	13.28
class xi section a	49.70	6.60	13.28
class xii section c	49.70	6.60	13.28
TOTAL	497.00	66.00	

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	154	0	0	154
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	246	0	0	246
Taxi four-wheeler	115	0	0	115
Taxi three-wheeler	221	6	0	227
Personal four-wheeler	0	9	0	9
Personal two-wheeler	16	24	4	44

Bicycle	39	0	0	39
On foot	355	12	4	371
Others (non-motorised)	240	11	0	251
SUB-TOTAL	1386	62	8	1456

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.	Poonam Singh	s.poonam.kv@gmail.com
2.	Nidhi Gupta	tr.nidhigupta@gmail.com
3.	Ramesh Chand	rsrameshsharma8@gmail.com

Administrative staff

Sno.	Name	Email
1.	Poonam Sharma	poonamvrinda@gmail.com
2.	Bhagirathi Bisht	bhagirathimehra1@gmail.com
3.	Poonam Singh	s.poonam.kv@gmail.com
4.	Rajeev Pathak	rmhpathak@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akash Mall	akashmallgo39@gmail.com	12
2.	Harkirat	harkirat.makkar@gmail.com	12
3.	Tushar	tusharbhatt959@gmail.com	12
4.	Sarthak Rawat	sarthakr302@gmail.com	12
5.	Jaimitra	Jaimitra26@gmail.com	12
6.	Amit Mehra	amitmehra10a200@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. rps20161116_153806.jpg
2. rps20161116_153230.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)	1465	5274.00	1
Electricity from generator (diesel) (litres)	50	2280.00	1
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	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1517.00	7657.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	9	2	9
Refrigerator	2	200	2

Microwave	0	0	0
Tube Lights	555	40	555
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	230	500	230

Supporting Documents

1. rps20161116_155749.jpg
2. rps20161116_162741.jpg

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

5

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

250

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.	POONAM SINGH	s.poonam.kv@gmail.com
2.	POONAM SHARMA	poonamvrindaa@gmail.com
3.	BHAGIRATHI	bhagirathimehra1@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr.H.S SHARMA	kvbirpur@gmail.com
2.	RAJEEV PATHAK	rmhpathak@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	AKASH MALL	akashmallgo39@gmail.com	12
2.	HARKIRAT	harkirat.makka@gmail.com	12
3.	TUSHAR	tusharbhatt959@gmail.com	12
4.	SARTHAK RAWAT	sarthakr302@gmail.com	12
5.	JAIMITRA	jaimitra26@gmail.com	12
6.	AMIT MEHRA	amitmehra10a200@gmail.com	12

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_20161116_114212475.jpg
2. IMG_20161116_114619305.jpg

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

9000.00

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

90.00

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	6	1500	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	1	100	10
Confectionery items (chocolate, candies, gums)	20	2000	10
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	1	900	6
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0

Packaged/Bottled Energy Drinks	1	900	10
--------------------------------	---	-----	----

No documents uploaded by the school.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	1
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	2

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

ocassionally raajma-chaawal, curry-chaawal,poori-aaloo are served

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

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Bhagirathi Bisht	bhagirathimehra1@gmail.com
2.	Poonam Singh	s.poonam.kv@gmail.com
3.	Poonam Shama	poonamvrindaa@gmail.com

Administrative staff

Sno.	Name	Email
1.	Harish Joshi	hjoshi1961kvbirpur@gmail.com
2.	Yogesh Kumar	yogesh_16575@kvsedu.org

Students

Sno.	Name	Email	Grade/Class
1.	Sakshi Adhikari	sakshiadhikari27@gmail.com	10
2.	Ankita Kandpal	ramakandpal179@gmail.com	10
3.	B Sarita	chhetrisarita936@gmail.com	10
4.	Sonali Rawat	sonalirawat252000@gmail.com	10
5.	Prince Kumar Jha	princekumarjha@gmail.com	10
6.	Naresh Singh	nareshsingh612002@gmail.com	10
7.	Harpreet Singh	hs824772@gmail.com	10
8.	Bhawna Shah	bhawanashah2507@gmail.com	10
9.	Harshita joshi	harshitajoshi200@gmail.com	10
10.	Deepanshu	ichimogar100@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 (m ²)	52,660
Ground coverage area	4,446

Green landscaped area on-ground	25,604
Surface parking area	3,025
Play area that is paved/ concrete on ground	1,100
Play area that has grass on ground	23,064
Service Area on ground	400
Roof and terrace area	4,446
Green cover on exposed roof & terrace	0
Total built up/constructed area	8,892
Total no. of floors	2
Others	4,500

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	547	50	597
Animals	10	5	15

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. play ground.jpg
2. map.jpg
3. green cover.jpg
4. vatika.jpg
5. tree and building.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Bhagirathi Bisht	bhagirathimehra1@gmail.com
2.	Rajeev Pathak	rmhpathak@gmail.com
3.	Poonam Sharma	poonamvrindaa@gmail.com

Administrative staff

Sno.	Name	Email
1.	Nidhi Gupta	tr.nidhigupta@gmail.com
2.	Poonam Singh	s.poonam.kv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Akash Mall	akashmallgo39@gmail.com	12
2.	Shivam Thapa	shivamthapadon@gmail.com	11
3.	Filza Ahmad	filzaazlif23@gmail.com	11
4.	Pratiksha Manral	pratiksha3200@gmail.com	11
5.	Vishal Verma	vishalverma1523@gmail.com	11
6.	Prachi Upadhyayay	prachiupadhyayay30@gmail.com	9

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	3000
Toilet flushing	7500
Personal cleaning	1000
Washing clothes	50
Cooking	100

Cleaning Utensils	50
Washing Vegetables	0
Mopping floors	1000
Gardening	1000
Total	13700

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

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?	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?	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?	No
Does your school use a drip or irrigation system?	Yes
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. 14_148.jpg
2. 20161115_134343.jpg
3. 20161115_134509.jpg
4. 20161116_123907.jpg
5. 20161116_124117.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).

7678200

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?

10

9 How many hand pumps do you have?

0

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

91

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

	Girls	Boys	Common	Total
Number of toilets	6	5	10	21

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

63

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

3

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Nidhi Gupta	tr.nidhigupta@gmail.com
2.	Poonam Singh	s.poonam.kv@gmail.com
3.	Ramesh Chand	rsrameshsharma8@gmail.com

Administrative staff

Sno.	Name	Email
1.	Nidhi Gupta	tr.nidhigupta@gmail.com
2.	Poonam Sharma	poonamvrinda@gmail.com
3.	Bhagirathi Bisht	bhagirathimehra1@gmail.com
4.	Rajeev Pathak	rmhpathak@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shivam Thapa	Shivamthapadon@gmail.com	11
2.	Sahil kunwar	sahilkunwar41@gmail.com	11
3.	Sakshi budakoti	Sakshibudakoti222@gmail.com	11
4.	Filza Ahmad	Filzaazlif23@gmail.com	11
5.	Agastya Gaurav Pandey	Agatgagav987123@gmail.com	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. 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	36	0	0	36	0
Playgrounds	10	00	10	0	0
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	1	0	1	0	0
Laboratory	4	0	4	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	2	0	0	2	0
Library	1	0	1	0	0
Toilets	12	0	12	0	0
Others	10	0	10	0	0
Total	82	0	44	38	0

No documents uploaded by the school.

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	10
Kitchen waste	5
Paper	5
Plastic	5
Wood, glass, metal, classroom furniture	10
E-waste	5
Biomedical waste	5
Sanitary waste	10

Construction and Demolition (C & D) waste	5
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	60

No documents uploaded by the school.

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	10
Kitchen waste	3
Paper	2
Plastic	0
Wood, glass, metal, classroom furniture	2
E-waste	2
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	19

5

Does your school have a composting facility?

Yes

Supporting Documents

1. composting 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)?

5.00

5c

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

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)	✗	✗	✓	✗

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?

Designated dumping site (Dhalao)

Supporting Documents

1. housekeeping staff.jpg
2. house keeping staff2.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	
VCR or DVD players	0		
Refrigerators and freezers	2	2	
Washing machines	0		
Air conditioners	9	9	
Heaters	0		
Microwaves	0		
Ovens	2	2	
Toasters	0		
Electric Kettles	0		
Personal computers (CPU, mouse, screen and keyboard included)	85	85	
Laptop computer (CPU, mouse, screen and keyboard included)	0		
Notebook computers	0		
Notepad computers	0		
Printers	13	13	
Copying equipment (Photocopiers)	4	4	

Projectors	25	25	
Whiteboards	41	41	
Electrical & electronic typewriters	0		
Pocket & desk calculators	0		
Fax machines	0		
Telex	0		
Telephones	0		
Pay telephones	0		
Mobiles	0		
Answering systems	0		

Supporting Documents

1. computer1.jpg
2. computer2.jpg

11

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

Yes

Supporting Documents

1. CERTIFICATE.jpg

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

Supporting Documents

1. board compitition Environment.jpg
2. Swachh bharat abhiyan.jpg
3. RAILY ON 2ND OCT 2016.jpg
4. RAILY2 ON 2ND OCT 2016.jpg

13a

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

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?

your valuable suggestions and guidance

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?

30.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Photographs of lunch boxes
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 recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
10. Pictures of Electronic items used by school and storage of non-working electronic items