



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA BETUL
Address: SUBHASH SCHOOL CAMPUS, KOTHI
BAZAR ,BETUL, BETUL, BETUL,
Madhya Pradesh, India
Coordinator Name: MRS .ARPITA HAZARE



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 BETUL

2

Address

SUBHASH SCHOOL CAMPUS, KOTHI BAZAR ,BETUL, BETUL, BETUL, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 7141 (NUMBER) 326070

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9425304349

5

Principal Name

R.K.MEENA

6

GSP Coordinator Name

MRS .ARPITA HAZARE

7

GSP Coordinator Email

arpitahazare@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9425304349

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:11

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	315	225	540
Teachers	7	11	18
Non-Teaching Staff	1	4	5
TOTAL	323	240	563

4(b)

How many visitors visit your school

10

5

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

215

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.	arpita hazare	arpita hazare

Administrative staff

Sno.	Name	Email
1.	suresh purohit	SkP68suresh@rediffmail.com
2.	r.k meena	ramkarang066@gmail.com
3.	Joyti Parmar	prjyotiparmar@gmail.com
4.	nilesh malviya	malviyanilesh@gmail.com
5.	kanchan nagle	kanchannagle0@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	kushal		10
2.	nageshwar		10

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

1 How many classrooms does your school have?

11

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	36.00	6.00	16.67
2	45.00	12.00	26.67
3	45.00	12.00	26.67
4	45.00	12.00	26.67
5	45.00	12.00	26.67

6	27.90	5.10	18.28
7	28.89	9.07	31.38
8	35.00	8.50	24.29
9	57.00	16.00	28.07
10	37.32	11.52	30.87
TOTAL	402.11	104.19	

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	2	0	0	2
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	36	2	1	39
Taxi three-wheeler	273	3	0	276
Personal four-wheeler	10	2	0	12
Personal two-wheeler	10	20	5	35
Bicycle	107	0	2	109
On foot	90	0	0	90
Others (non-motorised)	0	0	0	0
SUB-TOTAL	528	27	8	563

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

5

How many students suffer from respiratory ailments ?

111

6

Does the school laboratory have air quality monitoring equipment?

Yes

No documents uploaded by the school.



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	arpita hazare	arpitahazare@gmail.com
2.	nilesh malviya	malviyanileshkumar@gmail.com
3.	ashish pandey	pandeyashish@gmail.com

Administrative staff

Sno.	Name	Email
1.	suresh phoruit	skp68suresh@rediffmail.com
2.	kanchan nagle	kanchannagle0@gmail.com
3.	jyoti parmar	prjyotiparmar@gmail.com
4.	kamal sahu	k22anusha@yahoo.co.in
5.	anoop pachauri	anooppachauri0105@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	prathmesh tiwari		9
2.	pratik barasker		9
3.	ankit kakodiya		9
4.	pranav solanki		9

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. electriicty bill%28january%29.jpg
3. electricity bill %28august%29.jpg
4. electricity bill%28march%29.jpg

5. electricity bill%28september%29.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)	1654	5954.40	1,5
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1654.00	5954.40	

Supporting Documents

1. electricity bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	1.5 tons	5 star
Refrigerator	1	275 liters	5star
Microwave	0	0	0
Tube Lights	58	8 watts	5star
CFL Bulbs	7	15 watts	5star
LED Lights	0	0	0
Fans	56	35 watts	5star

Supporting Documents

1. refrigentor 1.jpg
2. 2016-11-16 12.02.02.jpg
3. fan.jpg
4. tube light.jpg
5. 20161115_131801.jpg

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

5

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

240

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.	arpitahazare	arpitahazare@gmail.com

Administrative staff

Sno.	Name	Email
1.	Suresh Purohit	

Students

Sno.	Name	Email	Grade/Class
1.	Monal Likhitkar		10
2.	Mansi Parmar		10
3.	Shail Verma		10
4.	kratika sable		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

No

2 Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

Supporting Documents

1. 1.jpg
2. 2.jpg
3. 5.jpg
4. 6g.jpg
5. 4.jpg

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

484.00

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

50.00

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	00	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?

Yes

6(a)

Please provide details

biscuits ,chips packets, toffees, friut juice small packets during Independence day and Republic day only.

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.	arpita hazare	arpitahazare@gmail.com

Administrative staff

Sno.	Name	Email
1.	anup phochari	
2.	nilesh malvayi	malviyanileshkumar@gmail.com
3.	Suresh purohit	SKP68suresh@rediffmail.com
4.	J.R.Meena	

Students

Sno.	Name	Email	Grade/Class
1.	yash dhakriya	yashdakariya2@gmail.com	10
2.	pranav panse	pranavpanse48@gmail.com	10
3.	kushal pawar		10
4.	shubhanshu barhamane		10
5.	vijay pawar		10
6.	amit nagle		10
7.	jayesh magarde		10
8.	rohit jawalkar		10
9.	tarun patel		10
10.	aman ingale		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)	4,237
Ground coverage area	2,090

Green landscaped area on-ground	216
Surface parking area	252
Play area that is paved/ concrete on ground	1,350
Play area that has grass on ground	320
Service Area on ground	69
Roof and terrace area	1,521
Green cover on exposed roof & terrace	160
Total built up/constructed area	3,234
Total no. of floors	2
Others	20

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	12	0	12
Animals	0	0	0

Task 4: Find out if your school uses pesticides

4

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

Yes

Supporting Documents

1. 2016-11-08-19-25-22-599.jpg
2. 2016-11-08-19-27-34-268.jpg
3. 2016-11-08-19-26-31-833.jpg
4. 2016-11-08-19-25-22-599.jpg
5. 2016-11-08-19-24-32-234.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	arpita hazare	arpitahazare@gmail.com

Administrative staff

Sno.	Name	Email
1.	Suresh purohit	SKP68suresh@rediffmail.com
2.	R k meena	ramkarang066@gmail.com
3.	Jyoti parmar	prjyotiparmar@gmail.com
4.	Nilesh malviya	imalviyanilesh@gmail.com
5.	kanchan nagle	kanchannagle0@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rajneesh Dange		9
2.	Harshit kumar More		9
3.	Yogesh Yadav		9
4.	Gaurav Malviya	gauravmalviya0501@gmail.com	9
5.	Tushar jharbade		9
6.	Akash Uikey	9575434828akash@gmail.com	9
7.	Aditya Singh		9
8.	Kapil Jharkhade	2202kapil@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	600
Toilet flushing	400
Personal cleaning	200

Washing clothes	400
Cooking	20
Cleaning Utensils	15
Washing Vegetables	20
Mopping floors	100
Gardening	200
Total	1955

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, 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

=1 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?	Yes
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. IMG_20161006_122935.jpg
2. IMG_20161006_123044.jpg
3. IMG_20161006_132948.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).

There is no rainwater harvesting facilities

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?

25

9 How many hand pumps do you have?

1

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	1	1	1	3

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

10

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

2

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

Once 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

Supporting Documents

1. 13C.pdf



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Arpita hazare	arpitahazare@gmail.com

Administrative staff

Sno.	Name	Email
1.	suresh purohit	

Students

Sno.	Name	Email	Grade/Class
1.	Shweta	kumre	9
2.	Bharti	kumre	9
3.	Avantika	upase	9
4.	Dronika	singh	9
5.	Tanu	jarbade	9
6.	Ayushi	mahaski	9

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	11	0	11	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0

Laboratory	3	0	3	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	4	0	4	0	0
Others	8	0	8	0	0
Total	30	0	30	0	0

Supporting Documents

1. 20161115_130152.jpg
2. 20161115_130357.jpg
3. 20161115_125752.jpg
4. 20161115_132711.jpg
5. 20161115_132846.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	210
Plastic	5
Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	10
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

232

Supporting Documents

1. 20161115_131548.jpg
2. 20161115_131625.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. 20161118_101533.jpg
2. 20161118_101534.jpg
3. 20161118_101723.jpg
4. 20161118_101541.jpg
5. 20161118_101820.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

Supporting Documents

1. 20161118_102224.jpg
2. 20161118_101820.jpg

9

Does your school burn waste?

Yes

Supporting Documents

1. 20161118_102256.jpg
2. 20161118_102301.jpg
3. 20161118_102306.jpg
4. 20161118_102850.jpg
5. 20161118_102848.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

Paper

10

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	2	1	1
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	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	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	36	36	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	
Copying equipment (Photocopiers)	4	4	
Projectors	2	2	0
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	1	1	0
Telex	0	0	0

Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. 20161115_131801.jpg
2. 20161115_131807.jpg
3. 20161115_132314.jpg
4. 20161115_132241.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?

No

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

Supporting Documents

1. 20161115_131625.jpg
2. 20161115_131548.jpg
3. 20161115_125752.jpg
4. 20161115_132211.jpg
5. 20161115_132039.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?

lack of fund,temporary building ,we do not have our own building and old constructed state govt. run school building it is .we will have our own building in 2-3 years,hope so.we cannot restructure it.

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?

25.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Photographs of lunch boxes
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Picture of audit team weighing solid waste
7. Picture of types of solid waste generated
8. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
9. Pictures of housekeeping staff disposing different types of solid waste
10. Pictures of burning waste
11. Pictures of Electronic items used by school and storage of non-working electronic items
12. Pictures of respective audit teams doing survey