



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Kendriya Vidyalaya Gulbarga
Address: Kotnoor (D) Opp AIR quaters, , Gulbarga,
Gulbarga, Gulbarga, Karnataka, India
Coordinator Name: Dr. Jalandhara chari



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 Gulbarga

2

Address

Kotnoor (D) Opp AIR quaters, , Gulbarga, Gulbarga, Gulbarga, Karnataka, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 08472 (NUMBER) 222838

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8762105124

5

Principal Name

Dr. K. Amarnath

6

GSP Coordinator Name

Dr. Jalandhara chari

7

GSP Coordinator Email

mathjalan@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9241474334

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:10

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	512	379	891
Teachers	10	1	11
Non-Teaching Staff	3	0	3
TOTAL	525	380	905

4(b)

How many visitors visit your school

10

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.	Mr. Preetam Kumar G	Mr. Preetam Kumar G
2.	Mrs. Rachamma	mathjalan@gmail.com
3.	Mrs. Mahadevi	mahadevijalade@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr. Basavaraj	basavaraj.salgar818@gmail.com
2.	Mrs. Sandhya P. Divakar	sandhyadivakarp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Kavya	kulkarniveena1234@gmail.com	10
2.	R V Kunj	r.v.kunj550@gmail.com	10
3.	Aditi Joshi	aditijosh.025@gmail.com	10
4.	Venkatesh	venkateshvk2001@gmail.com	10
5.	Pradyumna	kamalapurkarpradyumn@gmail.com	10
6.	Smrutishree	sagarikapati@gmail.com	9

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

1 How many classrooms does your school have?

24

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 b	43.20	21.63	50.07
2a	37.64	21.63	57.47

3	43.20	21.63	50.07
4	43.20	21.63	50.07
5	37.64	21.63	57.47
6	37.64	21.63	57.47
7	37.64	21.63	57.47
8	43.20	21.63	50.07
9	43.20	21.63	50.07
10	37.64	21.63	57.47
TOTAL	404.20	216.30	

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	45	0	0	45
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	320	0	0	320
Taxi three-wheeler	221	0	0	221
Personal four-wheeler	0	1	0	1
Personal two-wheeler	0	15	1	16
Bicycle	55	0	0	55
On foot	232	8	7	247

Others (non-motorised)	0	0	0	0
SUB-TOTAL	873	24	8	905

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.	Mrs. Rachamma	mathjalan@gmail.com
2.	Mrs.Mahadevi	mahadevijalade@yahoo.com
3.	Mrs.Sandhya divakar	sandhyadivakarp@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rachamma	mathjalan@gmail.com
2.	mahadevi	mahadevijalade@yahoo.com
3.	sandhya	sandhyadivakarp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	smrutishree	sagarikapati@gmail.com	10
2.	aditijoshi	aditijosh.025@gmail.com	10
3.	pradyaumna	kamalapurkarpadyaumna@gmail.com	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. 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)	18835	67806.00	3
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	18835.00	67806.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	1	0.5	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	226	9040	0
CFL Bulbs	67	603	0
LED Lights	0	0	0

Fans	155	8525	0
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Supporting Documents

1. IMG_20161103_152044.jpg

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

5

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

28

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.Rachamma	mathjalan@gmail.com
2.	Mrs.Sandhya	sandhyadivakarp@gmail.com
3.	Mrs. Mahadevi	mahadevijalade@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr.asj.achari	mathjalan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	basavaraj	basavaraj.salgar818@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

No

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

No documents uploaded by the school.

2(a)(1)

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

884.00

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	5	50	1
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

Supporting Documents

1. canteen.jpg

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. meeting.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mrs.Rachamma	mathjalan@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.Jalandhar	mathjalan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	kayva	kulkarniveena1234@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)	3,475
Ground coverage area	49,979
Green landscaped area on-ground	10,000
Surface parking area	2,500
Play area that is paved/ concrete on ground	2,000
Play area that has grass on ground	250
Service Area on ground	41,277
Roof and terrace area	3,475
Green cover on exposed roof & terrace	0
Total built up/constructed area	2
Total no. of floors	2

Others	0
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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	559	10	569
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?

No

Supporting Documents

1. building 123.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Rachamma	mathjalan@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Jalandhar	mathjalan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Brahathraj	brahathrathbedjargi@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	4000
Toilet flushing	1000
Personal cleaning	400
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	100
Gardening	1000
Total	6500

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

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

Supporting Documents

1. Water.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).

1000

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?

8

9 How many hand pumps do you have?

0

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	4	4	3	11

12

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

4

13

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

20

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

Supporting Documents

1. flowchart.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. sandhya	sandhyadivakarp@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Jalandhar	mathjalan@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Venkatesh	venketesh2001@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	23	1	20	1	1
Playgrounds	9	1	3	2	3
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	0	0	0	0	0

Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	32	2	23	3	4

Supporting Documents

1. dustbin.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	600
Kitchen waste	0
Paper	180
Plastic	1
Wood, glass, metal, classroom furniture	10
E-waste	1
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	0
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	795

Supporting Documents

1. dddddd.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. dddddd.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. worker.jpg
2. emp.jpg

9

Does your school burn waste?

Yes

Supporting Documents

1. fire.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPlasticPaper

10

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

	Total	Working conditions	Non-working condition
TVs	3	1	2
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	4	2	2

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)	120	60	60
Laptop computer (CPU, mouse, screen and keyboard included)	2	1	1
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	10	5	5
Copying equipment (Photocopiers)	4	2	2
Projectors	30	15	15
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	3	1	2
Telex	0	0	0
Telephones	6	3	3
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. ac 1.jpg

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?

No

Supporting Documents

1. meeting.jpg



FEEDBACK

1

Has your school participated in the Green Schools Programme (GSP) Audit before?

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

2015

1(b)

If yes, how many times have you done the audit?

1

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?

Reduce, Reuse, Recycle

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	Average

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?

2.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
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 various school initiatives e.g. rally, debate, street play, art competition, etc
13. Pictures of respective audit teams doing survey