



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA CENTRAL
RAILWAY MANMAD

Address: CAMP AREA, YEOLA ROAD MANMAD,
MANMAD, Nashik, Maharashtra, India

Coordinator Name: Panna Lal Meghwal



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 CENTRAL RAILWAY MANMAD

2

Address

CAMP AREA, YEOLA ROAD MANMAD, MANMAD, Nashik, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 02591 (NUMBER) 222512

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9404022025

5

Principal Name

Deepika N. Karnani

6

GSP Coordinator Name

Panna Lal Meghwal

7

GSP Coordinator Email

pannalal2003@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9404716837

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	268	180	448
Teachers	8	9	17
Non-Teaching Staff	8	6	14
TOTAL	284	195	479

4(b)

How many visitors visit your school

5

5

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

224

6

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

Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mr. N.P.Bharti	Mr. N.P.Bharti
2.	Mr. Ram Akbal Yadav	ram.yadav243@gmail.com
3.	Mr. Tariq Iqbal Rukadikar	tariqrukadikar11478@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. R.K.Bahot	rbahot1965@gmail.com
2.	Mr. Shivaji Lahane	
3.	Mr. Arjun Wagh	

Students

Sno.	Name	Email	Grade/Class
1.	Mehul mutha	mehul0283@gmail.com	10
2.	Sagar Singh	sagar0821.ss@gmail.com	10
3.	Gitika Bansal	gitikabansal18@gmail.com	10
4.	Ameesha	kameesha@yahoo.com	9
5.	Arshiya	arshiyateli@gmail.com	9
6.	Yamini	yamini.r.gupta@gmail.com	9
7.	Abhishek	shuklavitrat18@gmail.com	9
8.	Rameshwar	ramgjatsingh@gmail.com	9
9.	Maaz	shaikhmaz18@gmail.com	9
10.	Samaprit	samarpitdeole@gmail.com	9

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 = Area of floor (LxB)	Y = Area of openings (LxH)	Percentage of the floor area being ventilated (Y/X x 100)
Class 10	49.00	3.00	6.12
Class 9	49.00	3.00	6.12
Class 8	49.00	3.00	6.12
Class 7	49.00	3.00	6.12
Class 6	49.00	3.00	6.12
Class 5	49.00	3.00	6.12
Class 4	49.00	3.00	6.12
Class 3	49.00	3.00	6.12
Class 2	49.00	3.00	6.12
Class 1	49.00	3.00	6.12
TOTAL	490.00	30.00	

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	200	8	0	208
Taxi three-wheeler	138	8	0	146

Personal four-wheeler	10	0	0	10
Personal two-wheeler	0	5	3	8
Bicycle	50	0	0	50
On foot	50	0	7	57
Others (non-motorised)	0	0	0	0
SUB-TOTAL	448	21	10	479

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

5

How many students suffer from respiratory ailments ?

5

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.	Preetam singh	preetambit@gmail.com

Administrative staff

Sno.	Name	Email
1.	Manjusha Suryawanshi	manjusha.sk91@gmail.com
2.	0	0
3.	0	0
4.	0	0
5.	0	0

Students

Sno.	Name	Email	Grade/Class
1.	Bhagyashree	bmakhane@gmail.com	10
2.	Kamini	kamininarvrt904@gmail.com	10
3.	Neha Ranjan	suryanathram1967@gmail.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ELE BILL3.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)	608	2188.80	1
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)	14.2	732.72	2
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	622.20	2921.52	

Supporting Documents

1. gas bill 2.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	165 litre	0
Microwave	0	0	0
Tube Lights	30	40 watts	0

CFL Bulbs	50	15 watts	0
LED Lights	0	0	0
Fans	80	65	0

Supporting Documents

1. Star app.jpeg

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

5

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

300

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.	Preetam singh	preetambit@gmail.com

Administrative staff

Sno.	Name	Email
1.	karuna T	

Students

Sno.	Name	Email	Grade/Class
1.	Yamini		9
2.	Vikram singh		8
3.	Lukesh M		7

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. 20161115_104337.jpg
2. 20161115_104235.jpg
3. 20161115_104656.jpg

2(a)(1)

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

448.00

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	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?

Yes

7(a)

Please provide the names?

Biscuits,chocolates ,Fruits.

8

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

No

Supporting Documents

1. 25.pdf



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Preetam singh	preetambit@gmail.com
2.	Tariq Rukadikar	tariqrukadikar11478@gmail.com

Administrative staff

Sno.	Name	Email
1.	Manjusha	manjusha.sk91@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vivek		8
2.	Amit		7

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)	60,703
Ground coverage area	48,562
Green landscaped area on-ground	2,000
Surface parking area	0
Play area that is paved/ concrete on ground	4,046
Play area that has grass on ground	8,093
Service Area on ground	0
Roof and terrace area	35,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	50,000

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	100	50	150
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. IMG_6121.JPG
2. IMG_4958.JPG
3. IMG_4961.JPG
4. IMG_6128.JPG
5. IMG_6139.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	N P BHARATI	npbhaarti@gmail.com

Administrative staff

Sno.	Name	Email
1.	Madhuri	haralemadhuri20@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Yusaira		6
2.	Nikhil		8

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	1000
Toilet flushing	3000
Personal cleaning	200
Washing clothes	20
Cooking	10
Cleaning Utensils	10
Washing Vegetables	0
Mopping floors	100
Gardening	1000

Total	5340
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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?

Private supplier, School's own supply (bore well, rainwater harvesting facility, etc)

4 Does your school get daily water supply?

No

4(b) If supply of water is not daily, please tick the correct option

3 days in a week

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?	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).

5000

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?

24

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	8	7	0	15

12

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

15

13

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

12

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	R A YADAV	ram.yadav243@gmail.com

Administrative staff

Sno.	Name	Email
1.	Meena	
2.	Manisha	

Students

Sno.	Name	Email	Grade/Class
1.	Bhagyashri		10
2.	Mehul		10

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	12	12	0	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	2	1	1	0	0
Laboratory	1	1	0	0	0
Canteen	0	0	0	0	0

Clinic/ Sick room	1	1	0	0	0
Library	1	1	0	0	0
Toilets	6	6	0	0	0
Others	0	0	0	0	0
Total	25	22	3	0	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	0
Paper	2
Plastic	0
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	1
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	18

No documents uploaded by the school.

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)	✗	✗	✓	✗

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)

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	1	1	
VCR or DVD players	1	1	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	0	0	
Heaters	0	0	
Microwaves	0	0	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	33	33	
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	3	3	
Copying equipment (Photocopiers)	2	2	
Projectors	3	3	
Whiteboards	6	6	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	3	3	

Fax machines	0	0	
Telex	0	0	
Telephones	3	3	
Pay telephones	0	0	
Mobiles	31	31	
Answering systems	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?

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?

Yes

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , 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?

There is no water supply from the municipality. The water is purchased for drinking and other uses .Rs.20000/- per month is being spent by the vidyalaya to purchase required amount of water from private sources.

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?

Yes

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

1. Construction details of school. 2. Sufficient time is requested for filling up of online information along with required photo. 3. Mandatory columns more specified and it should be pointed out when remark comes that particulars are incomplete

10 Could you finish all the tasks in given period of time online?

No

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?

No

13(a) If no, why?

Water activities are not specified.

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. Pictures of landscaped area