



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NAD KARANJA
Address: AT POST NAVAL STATION, NAD, , TAL
URAN , URAN, Raigad, Maharashtra,
India
Coordinator Name: RENU AGARWAL



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 NAD KARANJA

2

Address

AT POST NAVAL STATION, NAD, , TAL URAN , URAN, Raigad, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 022 (NUMBER) 27222132

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9869856685

5

Principal Name

SANJEEV KUMAR SAMBHARIA

6

GSP Coordinator Name

RENU AGARWAL

7

GSP Coordinator Email

renuagarwal0903@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9324157101

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	645	494	1139
Teachers	22	12	34
Non-Teaching Staff	6	1	7
TOTAL	673	507	1180

4(b)

How many visitors visit your school

12

5

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

227

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.	Mrs. Ranu Sarkar	Mrs. Ranu Sarkar
2.	Ms. Vaishali Meshram	vaishalim465@gmail.com
3.	Mrs. Pradeep Landge	pradeeplandge70@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Prashant Kumar	prashantrubu@yahoo.com
2.	Mr. Rajmangal Yadav	rajmangalyadav@gmail.com
3.	Mr. Vivek Kakar	kvkakar007@gmail.com
4.	Mr. Rajaram	rajaramkumawat82@gmail.com
5.	Mr. Satish Phulari	satishxx7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Deshwal	jeet.jsd1860@gmail.com	V A
2.	Sahil Gola	cp723297@gmail.com	V B
3.	Himagh Sinha	madhursinha801@gmail.com	V B
4.	Nehal Naik	nagxaj94naik@gmail.com	V B
5.	Rudra Sagar Koli	kolisag@gmail.com	V B
6.	Sagar Sharma	balbirsinghsharma1956@gmail.com	V B
7.	Saloni Yadav	sanjaykumaryadav705@gmail.com	V B
8.	Somya Singh	harbilas1973@rediffmail.com	V B
9.	Ritika Balmiki	virendrabamiki1982@gmail.com	V B
10.	Shubhangi Naik	sarojsudha@yahoo.com	V B

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

1

How many classrooms does your school have?

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)
VIII A	45.14	21.35	47.30
IX A	45.14	21.35	47.30
IX B	45.14	21.35	47.30
IX C	45.14	21.35	47.30
X A	45.14	21.35	47.30
X B	45.14	21.35	47.30
X C	45.14	21.35	47.30
XII A	45.14	21.35	47.30
XII B	45.14	21.35	47.30
XII C	45.14	21.35	47.30
TOTAL	451.40	213.50	

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	726	2	0	728
Public Bus	0	1	0	1
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	4	0	0	4

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	10	4	0	14
Personal two-wheeler	0	20	1	21
Bicycle	200	0	1	201
On foot	200	10	1	211
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1140	37	3	1180

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.	Mr. Alok Kumar	alok1231kumar@yahoo.com
2.	Mrs. Ranu Sarkar	sarkarranunk@gmail.com
3.	Ms. Vaishali Meshram	vaishalimu65@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Prashant Kumar	prashantrubu@yahoo.com
2.	Mr. Rajmangal Yadav	rajmangalyadav@gmail.com
3.	Mr. Vivek Kakar	kvkkakar007@gmail.com
4.	Mr. Rajaram	rajaramkumawat82@gmail.com
5.	Mr. Satish Phulari	satishxx7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anisha	anisha.45687@yahoo.com	
2.	Arti	rkmarkad555@gmail.com	
3.	Mohini	sunilsharma9866@gmail.com	
4.	Aneri	swatikalgi@rediffmail.com	
5.	Snehlata	sushantprasad18@gmail.com	
6.	Sushil	sushilwakde@gmail.com	
7.	Abhishek	abhishekkubhare83@gmail.com	
8.	Naqi	jaws72977@yahoo.com	
9.	Sahil	sahilsspy@gmail.com	
10.	Akash	bashistha134@gmail.com	

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)	2770	9972.00	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	2770.00	9972.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	8	1.5	2
Refrigerator	1	165	0
Microwave	0	0	0
Tube Lights	240	4 ft	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	236	48 inch	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?

365

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. Renu Agarwal	renuagarwal0903@yahoo.com
2.	Mrs. Harjit Pal Kaur	harjitpalkaur215@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Prashant Kumar	prashantrubu@yahoo.com
2.	Mr. Rajmangal Yadav	rajmangalyadav@gmail.com
3.	Mr. Vivek Kakar	kvkkakar007@gmail.com
4.	Mr. Rajaram	rajaramkumawat82@gmail.com
5.	Mr. Satish Phulari	satishxx7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Perna	bireshsaxena01@gmail.com	
2.	Rohan	dy151979@gmail.com	
3.	Diyansh	dk20solanki@gmail.com	
4.	Diya	pksaibata@gmail.com	
5.	Sarvagya	binaykumar111@yahoo.com	
6.	Himaj	anujoshi29@yahoo.com	
7.	Zainab	jaws720977@yahoo.com	
8.	Manashvi	mansvipatil0706@gmail.com	
9.	Arya	aryamhatre0802@gmail.com	

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. stdtiffin.jpg

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

1139.00

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	50	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

Vegetable Snacks (Sandwich) are provided for the participants of annual day and there is sweet distribution on Independence Day.

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. photoes for greenschool prog.pdf



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mr.Rajaram	rajaramawat82@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Prashant Kumar	prashantrubu@yahoo.com
2.	Mr. Rajmangal Yadav	rajmangalyadav@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sachin Mundle	sachinmundle67@gmail.com	
2.	Pranav Shukla	sockwave7@gmail.com	
3.	Shubham	shubhamkoli@gmail.com	
4.	Pooja	rkmkad555@gmail.com	
5.	Pushpendra	pkumar52199@gmail.com	

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)	4
Ground coverage area	12,125
Green landscaped area on-ground	2,704
Surface parking area	0
Play area that is paved/ concrete on ground	12,125
Play area that has grass on ground	0
Service Area on ground	0

Roof and terrace area	4,482
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,482
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	10	2	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?

No

Supporting Documents

1. Land.pdf



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Vaishali Meshram	vaishalim465@gmail.com
2.	Ms. Kiran Sahi	kiranrawalshahi@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Prashant kumar	prashantrubu@yahoo.in
2.	Mr. Rajmangal Yadav	rajmangalyadav@gmail.com
3.	Mr. Vivek Kakar	kvkkakar@gmail.com
4.	Mr. Rajaram	rajaramkumaw@gmail.com
5.	Mr. satish Phulari	satishxx7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sonam	hariram.sonam72@gmail.com	
2.	Diyansh Solanki	dk20solanki@gmail.com	

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	1500
Toilet flushing	3000
Personal cleaning	1000
Washing clothes	50
Cooking	1
Cleaning Utensils	3
Washing Vegetables	0

Mopping floors	100
Gardening	1700
Total	7354

Task 3: What are the sources, supply and storage of water in your school

2 Where does the water your school uses, come from?

Surface 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

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?	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?	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?	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).

2000

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?

27

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

	Girls	Boys	Common	Total
Number of toilets	7	5	0	12

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

24

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

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?

No

18(a) Please specify the fate of wastewater

Used for gardening and horticulture

Supporting Documents

1. water.pdf



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Ritu Mishra	vinay.ritu77@gmail.com

Administrative staff

Sno.	Name	Email
1.	PRASHANT KUMAR	prashantrunu@yahoo.co.in
2.	ALOK KUMAR	alok1231kumar@yahoo.co.in
3.	RENU AGARWAL	renuagarwal0903@yahoo.com
4.	YOGESH KOLHE	yogeshkolhe97@gmail.com
5.	SANJAY SHINDE	shinde.sanjay393@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Nakshita	lovelyitikhskhan438@gmail.com	
2.	Anita	anita22jan@gmail.com	
3.	Shivika	shivikanigan4@gmail.com	
4.	Surekha	psurekha2918@gmail.com	

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. Housekeeping (Sweeper)
3. 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	32	0	0	32	0
Playgrounds	1	0	0	0	1
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	3	0	0	3	0
Laboratory	7	0	7	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	0	0	1
Library	1	0	1	0	0
Toilets	15	0	15	0	0
Others	0	0	0	0	0
Total	64	0	27	35	2

Supporting Documents

1. dustbin.pdf
2. dustbin.pdf

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	2
Paper	30
Plastic	10
Wood, glass, metal, classroom furniture	5
E-waste	5

Biomedical waste	2
Sanitary waste	5
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	79

Supporting Documents

1. solid waste.pdf

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	20
Kitchen waste	2
Paper	30
Plastic	10
Wood, glass, metal, classroom furniture	5
E-waste	5
Biomedical waste	2
Sanitary waste	5
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	79

5

Does your school have a composting facility?

Yes

Supporting Documents

1. COMPOSTING.pdf

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)?

10.00

5c

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

For horticultural purposes

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. rescling paper c1.pdf

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. solid waste disposing 1.pdf

9

Does your school burn waste?

Yes

Supporting Documents

1. burn waste.pdf

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Horticultural

10

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

	Total	Working conditions	Non-working condition
TVs	1	1	0
VCR or DVD players	3	2	1

Refrigerators and freezers	0	0	0
Washing machines	7	7	0
Air conditioners	1	0	1
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)	0	0	0
Laptop computer (CPU, mouse, screen and keyboard included)	82	71	11
Notebook computers	0	0	0
Notepad computers	0	0	
Printers	7	7	0
Copying equipment (Photocopiers)	5	5	0
Projectors	5	5	0
Whiteboards	36	36	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	3	3	0
Fax machines	4	4	0
Telex	0	0	0
Telephones	4	4	0
Pay telephones	0	0	0
Mobiles	59	59	0
Answering systems	0	0	0

Supporting Documents

1. non working Electronics.pdf

11

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

Yes

Supporting Documents

1. e waste electronics dealer.pdf

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

waste policy.pdf

13

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

Yes

Supporting Documents

1. Swachh Abhiyan.pdf

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

Supporting Documents

1. Audit team.pdf



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?

Yes

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?

1. More Plantation decrease pollution 2. Technical hand for handling waste 3. Awareness Program 4. Need of air pollution monitoring equipment

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?

100.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Picture of Air Quality Monitoring equipment of school
3. Electricity Bill
4. Photographs of lunch boxes
5. Pictures of Events sponsored by UPPF companies
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
12. Picture of types of solid waste generated
13. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
14. Pictures of housekeeping staff disposing different types of solid waste
15. Pictures of burning waste
16. Pictures of Electronic items used by school and storage of non-working electronic items
17. Certificate of disposing e-waste from authorised dealer/dismantler
18. Waste Policy
19. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc

20. Pictures of respective audit teams doing survey