



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA, ONGC
,PANVEL

Address: Kendriya vidyalaya ,ONGC,PanvelPhase-
1 Raigad district,Maharashtra State,Pin-
code410221, Navi Mumbai, Raigad,
Maharashtra, India

Coordinator Name: Mrs.Archana Kumari



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, ONGC ,PANVEL

2

AddressKendriya vidyalaya ,ONGC,PanvelPhase-1 Raigad district,Maharashtra State,Pin-code410221,
Navi Mumbai, Raigad, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 022 (NUMBER) 27462546

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8652046494

5

Principal Name

R.K.Sinha

6

GSP Coordinator Name

Mrs.Archana Kumari

7

GSP Coordinator Email

archana1968@ymail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9768974697

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	1153	979	2132
Teachers	15	55	70
Non-Teaching Staff	9	4	13
TOTAL	1177	1038	2215

4(b)

How many visitors visit your school

1200

5

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

230

6

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

Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Jyoti Gade	Jyoti Gade
2.	Aruna Chauha	aruna.chauhan@hotmail.com
3.	Jancy Mathew	jancymathew@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.R.KSinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jsp_chem@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya	kvongc@gmail.com	8
2.	D.Sounya	kvongc@gmail.com	8
3.	D.Mahesh	kvongc@gmail.com	8
4.	Gokul	kvongc@gmail.com	8
5.	Sarwadny	kvongc@gmail.com	7
6.	Vedvayas	kvongc@gmail.com	7
7.	Mahak	kvongc@gmail.com	7
8.	Vanya	kvongc@gmail.com	7
9.	Vineet	kvongc@gmail.com	7
10.	Gagandeep	kvongc@gmail.com	7

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

1

How many classrooms does your school have?

48

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)
IA	3,935.58	1,058.25	26.89
IC	3,935.58	1,058.25	26.89
VIIID	3,884.90	2,456.70	63.24
VIIIB	3,884.90	2,456.70	63.24
XIIB	5,277.72	1,074.18	20.35
XIB	5,277.72	1,074.18	20.35
XIID	5,277.72	1,074.18	20.35
XIC	3,935.58	1,058.25	26.89
VIIC	3,935.58	1,058.25	26.89
VIIA	3,935.58	1,058.25	26.89
TOTAL	43,280.86	13,427.19	

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?

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	993	34	3	1030
School Transport(Other than bus)	524	10	0	534
Public transport (other than bus, Metro, car pool)	9	0	1	10
Taxi four-wheeler	0	2	0	2
Taxi three-wheeler	416	6	3	425

Personal four-wheeler	15	0	0	15
Personal two-wheeler	0	6	2	8
Bicycle	40	0	0	40
On foot	135	12	4	151
Others (non-motorised)	0	0	0	0
SUB-TOTAL	2132	70	13	2215

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

5

How many students suffer from respiratory ailments ?

16

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.Madhu Singh	singh.madhu1206@gmail.com
2.	Mrs.G.Bhubneswari	bhubneswari.gangalapadu@gmail.com
3.	Mrs.Jency George	jency@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr.RKSinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jsp.chem@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Nandita	Kvongcpanvel@gmail.com	7
2.	Ayush	Kvongcpanvel@gmail.com	7
3.	Nishant N	Kvongcpanvel@gmail.com	7
4.	Swaymdeep	Kvongcpanvel@gmail.com	7
5.	Devendiran	Kvongcpanvel@gmail.com	7
6.	Swastik	Kvongcpanvel@gmail.com	7

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

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)	2400	8640.00	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)	15	774.00	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2415.00	9414.00	

Supporting Documents

1. gas bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	18	10	Yes
Refrigerator	2	165	Yes
Microwave	1	0	Yes
Tube Lights	30	0	Yes

CFL Bulbs	0	0	No
LED Lights	300	20	Yes
Fans	250	60	Yes

Supporting Documents

1. ac.jpg
2. refri.jpg
3. refri.jpg
4. projector.jpg
5. spac2.jpg

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.Shaheena Banu	shaheena687@gmail.com
2.	Mrs.Neeta Sinha	sinhaneeta62@gmail.com
3.	Mrs.Elizabeth Babu	elizabethbabu100@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	Mr.R.K.Sinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jsp_chem@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	J.Kasvi	kvongcpanvel@gmail.com	7
2.	Sneha Singh	kvongcpanvel@gmail.com	7
3.	Pankhuri	kvongcpanvel@gmail.com	7
4.	Pari	kvongcpanvel@gmail.com	7
5.	Devanshu	kvongcpanvel@gmail.com	7
6.	Sushant	kvongcpanvel@gmail.com	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. lunch 1.jpg
2. lunch 1.jpg
3. lunch2.jpg

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

2000.00

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

132.00

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?

Perk,Biscuits

8

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

No

Supporting Documents

1. IMG_20161118_122418.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mr.F.B.Singh	fatehbahadur1954@gmail.com
2.	Mr.Mohammad Azam	kvongcpanvel@gmail.com
3.	Miss Samiksha	sri_sami@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	Mr.R.K.Sinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jsp_chem@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	J.Kashvi	kvongcpanvel@gmail.com	7
2.	Sneha Singh	kvongcpanvel@gmail.com	7
3.	Pankhuri	kvongcpanvel@gmail.com	7
4.	Aditya	kvongcpanvel@gmail.com	8
5.	Mahesh	kvongcpanvel@gmail.com	8
6.	Gokul	kvongcpanvel@gmail.com	8

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)	7,286
Ground coverage area	19,383
Green landscaped area on-ground	18,200
Surface parking area	299
Play area that is paved/ concrete on ground	270

Play area that has grass on ground	19,113
Service Area on ground	19,653
Roof and terrace area	2,428
Green cover on exposed roof & terrace	0
Total built up/constructed area	2,400
Total no. of floors	3
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	5	15
Animals	5	0	5

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. schoolarea.jpg
2. school.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mr.A.K.Kashyap	ykkashyap@gmail.com
2.	Mrs.NainaR.Badole	naenanbadole@gmail.com
3.	Mrs.Deepika Roy	droy2609@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.R.K.Sinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jsp_chem@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Pawar	kvongcpanvel@gmail.com	8
2.	Saumya Sengupt	kvongcpanvel@gmail.com	8
3.	Gokul Prasad	kvongcpanvel@gmail.com	8
4.	Gagandeep	kvongcpanvel@gmail.com	8
5.	MaheshKRaut	kvongcpanvel@gmail.com	8
6.	Rupali	kvongcpanvel@gmail.com	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	600
Toilet flushing	200
Personal cleaning	150
Washing clothes	0
Cooking	0

Cleaning Utensils	5
Washing Vegetables	0
Mopping floors	50
Gardening	160
Total	1165

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

7-12 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?	Yes
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

Supporting Documents

1. toilet.jpg
2. toilet.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).

10000

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?

26

9 How many hand pumps do you have?

0

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

36

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

	Girls	Boys	Common	Total
Number of toilets	14	14	0	28

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

16

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

8

14 Is there a water storage system in place to supply water in the toilets?

No

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. waste water.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs.Archana Kumari	archana1968@ymail.com
2.	Mrs.Savita Ruhela	savita07ruhela@yahoo.com
3.	Mrs.Alka Jain	alka.jain68@yahoo.in

Administrative staff

Sno.	Name	Email
1.	Mr.R.K.Sinha	sinhark2003@gmail.com
2.	Mrs.Jyotsna Pote	jso_chem@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Pawar	kvongcpanvel@gmail.com	8
2.	Saumya Sengupta	kvongcpanvel@gmail.com	8
3.	Gokul Prasad	kvongcpanvel@gmail.com	8
4.	Mahesh K .Rajput	kvongcpanvel@gmail.com	8
5.	Pranav	kvongcpanvel@gmail.com	8
6.	Vaishnavi	kvongcpanvel@gmail.com	8

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

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
--	--------------------------------	--------	---------	----------------------	--------------------

Classrooms	48	0	48	0	0
Playgrounds	4	0	04	0	0
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	9	0	9	0	0
Laboratory	8	0	7	1	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	15	0	15	0	0
Others	0	0	0	0	0
Total	91	0	90	1	0

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	168
Kitchen waste	0
Paper	100
Plastic	72
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	1
Sanitary waste	120

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	466

Supporting Documents

1. dust.jpg
2. dust.jpg
3. segregation of wastes %282%29.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. waste weighing machine.jpg

Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Landfill Site

Supporting Documents

1. house keeping staff.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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	4	1	3
Washing machines	0	0	0
Air conditioners	12	0	12
Heaters	0	0	0
Microwaves	1	0	1
Ovens	0	0	0

Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	60	60	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	2	2	0
Projectors	5	4	1
Whiteboards	56	56	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	4	4	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. projector.jpg
2. refri.jpg

11

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

Yes

No documents uploaded by the school.

11a

Who collects your e-waste, when not in working condition?

Kabadiwalla/ Scrapdealer

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

Supporting Documents

1. 66_573.jpg
2. old books distibution to needy child.jpg
3. swakshata abhiyan.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

Supporting Documents

1. students.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?

Water harvesting system,vermicomposting,harnessing solar energy waste water treatment plant

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?

No

11

How many times did you contact the Green Schools Programme Team for guidance and counseling?

More than twice

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?

45.00

Checklist of uploaded documents

1. Fuel Bills
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. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Picture of types of solid waste generated
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
12. Pictures of respective audit teams doing survey