



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA AMBARNATH
SECOND SHIFT

Address: KENDRIYA VIDYALAYA ORDANANCE
FACTORY AMBARNATH (WEST),
MUMBAI, AMBARNATH, THANE,
Maharashtra, India

Coordinator Name: SHRADDHA R.PANDEY



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 AMBARNATH SECOND SHIFT

2

Address

KENDRIYA VIDYALAYA ORDANANCE FACTORY AMBARNATH (WEST), MUMBAI, AMBARNATH, THANE, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 251 (NUMBER) 2613263

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8422066181

5

Principal Name

PRIYDARSHAN GARG

6

GSP Coordinator Name

SHRADDHA R.PANDEY

7

GSP Coordinator Email

tiwarishraddha7@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9930145377

9

Category Of The School

Day Scholar

10

School Shifts

Both

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	464	363	827
Teachers	8	18	26
Non-Teaching Staff	2	0	2
TOTAL	474	381	855

4(b)

How many visitors visit your school

25

5

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

240

6

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

April, May, June, July, Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	SHRADDHA R.PANDEY	SHRADDHA R.PANDEY
2.	SUMATI RAO	sumatirao1964@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR.PRIYDARSHAN GARG	priydarshangarg@yahoo.com
2.	MR.KISHORE BHATIA	kish_bhatia@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SANAT KUMAR	pbkranjeetbhai@gmail.com	10
2.	PRIYANSHU	suddha17july@gmail.com	10
3.	SHUBHAM	nptiwari45@gmail.com	10
4.	PUSHPESH	dinesh.tripathi.61@gmail.com	10
5.	YATIN	dinesh.tripathi.61@gmail.com	10

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

1 How many classrooms does your school have?

19

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)
I	37.29	14.98	40.16
II	37.29	14.98	40.16
III	44.46	14.98	33.68
IV	44.46	14.98	33.68

V	44.46	14.98	33.68
VI	51.60	14.98	29.02
VII	51.60	14.98	29.02
VIII	59.80	14.98	25.04
IX	59.80	14.98	25.04
X	59.80	14.98	25.04
TOTAL	490.56	149.75	

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	425	2	0	427
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	30	3	1	34
Taxi four-wheeler	150	0	0	150
Taxi three-wheeler	127	10	0	137
Personal four-wheeler	5	3	0	8
Personal two-wheeler	10	7	0	17
Bicycle	50	0	1	51
On foot	30	1	0	31
Others (non-motorised)	0	0	0	0

SUB-TOTAL	827	26	2	855
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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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	SHRADDHA R. PANDEY	tiwarishraddha7@gmail.com
2.	JAYASHREE NAIR	jjayashreenair234@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. PRIYADARSHAN GARG	priydarshangarg@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	PAAWAN KUMAR	pramod152707@gmail.com	9
2.	MRUDULA ADHIKARI	mmaheshadhikari@rediffmail.com	9
3.	RHUTA MANKAME	sujataam@hotmail.com	9
4.	SANCHIT CHAUHAN	rajvir.singh@psipl.co.in	9
5.	SHRISHTI YADAV	akhileshkumar_121@rediffmail.com	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

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
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Electricity from the board (kwh)	1395	5022.00	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	1395.00	5022.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	1	1.5	4
Refrigerator	1	185	4.5
Microwave	0	0	0
Tube Lights	114	30	4
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	114	78	4

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?

200

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.	SHRADDHA R. PANDEY	tiwarishraddha7@gmail.com
2.	ESTHER PHILIP	esther_phil@yahoo.co.in
3.	TENALI GEORGE	georgetenali@yahoo.com

Administrative staff

Sno.	Name	Email
1.	MR.PRIYADARSHAN GARG	priydarshangarg@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	AANSI SINGH	brij118501@reddifmail.com	10
2.	RHITUJA MAHOD	shirsat.uma@gmail.com	10
3.	SAMRUDDHI MITTAL	mittalbpv71@gmail.com	10
4.	ABOLI TEMBEKAR	abolitembhekar123@gmail.com	10
5.	NEHA YADAV	rcyadav117@yahoo.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

Supporting Documents

1. IMG_20161118_151310253.jpg
2. IMG_20161118_151319780_BURST000_COVER_TOP.jpg

3. IMG_20161118_151329913.jpg
4. IMG_20161118_151342332_BURST000_COVER_TOP.jpg
5. IMG_20161118_151306097.jpg

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

855.00

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
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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?

5 STAR,SAMOSA,SWEETS

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

No

Supporting Documents

1. IMG_20161118_134450356_BURST000_COVER_TOP.jpg
2. IMG_20161118_134944328_BURST000_COVER_TOP.jpg
3. IMG_20161118_134804557_BURST000_COVER_TOP.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	SHRADDHA R.PANDEY	tiwarishraddha7@gmail.com
2.	JAYASHREE NAIR	jayashreenair234@gmail.com

Administrative staff

Sno.	Name	Email
1.	PRIYADARSHAN GARG	priyadarshangarg@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	SANAT KUMAR	pbkranjeetbhai@gmail.com	10
2.	PRIYANSHU RAJ	suddha17july@gmail.com	10
3.	PIYUSH JHA	nawalkishore1972@gmail.com	10
4.	VIVEK EPILLI	ge77@rediffmail.com	10
5.	UDAY CHAVAN	chavandinesh35@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)	60,703
Ground coverage area	8,778
Green landscaped area on-ground	24,281
Surface parking area	28
Play area that is paved/ concrete on ground	5
Play area that has grass on ground	4,663
Service Area on ground	32,375

Roof and terrace area	34,574
Green cover on exposed roof & terrace	0
Total built up/constructed area	32,375
Total no. of floors	2
Others	553

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	22	0	22
Animals	10	0	10

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_20161117_140215372.jpg
2. IMG_20161117_141725573_HDR.jpg
3. IMG_20161117_141420325.jpg
4. IMG-20161116-WA0046.jpg
5. IMG-20161117-WA0015.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	SHRADDHA R.PANDEY	tiwarishraddha7@gmail.com
2.	USHA KUMARI	ushakumari660@yahoo.com

Administrative staff

Sno.	Name	Email
1.	MR.PRIYADARSHAN GARG	priyadarshangarg@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	AKSHADA	vijaythakur1573@gmail.com	10
2.	SUPRIYA	punitkumarmaurya@gmail.com	10
3.	PAVITHRA	anadmudhaliar@gmail.com	10
4.	VAISHNAVI	dnyaneshwar.09@gmail.com	10
5.	VIVEK	ge77@rediffmail.com	10
6.	UDAY	chavandinesh35@gmail.com	10
7.	PIYUSH	nawalkishore1972@gmail.com	10

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	2000
Toilet flushing	2000
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0

Washing Vegetables	0
Mopping floors	500
Gardening	500
Total	5000

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

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?	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?	No
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?	Yes

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

Supporting Documents

1. IMG_20161118_134944328_BURST000_COVER_TOP.jpg
2. IMG_20161118_135210541.jpg
3. IMG_20161118_134804557_BURST000_COVER_TOP.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).

15000

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?

18

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

	Girls	Boys	Common	Total
Number of toilets	5	6	0	11

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

22

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?

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

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	SHRADDHA R.PANDEY	tiwarishraddha7@gmail.com
2.	L.C.MISHRA	mishralalchandra@gmail.com
3.	A.P.DWIVEDI	apdwivedi01@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR.PRIYADARSHAN GARG	priyadarshangarg@yahoo.com,
2.	BARKHA JAYANT	,

Students

Sno.	Name	Email	Grade/Class
1.	PANKAJ GAUTAM	umeshgautam333.ukg@gmail.com	10
2.	SAHIL JADHAV	jadhavsahil261@yahoo.com	10
3.	NILESH SINGH	yaspalsingh66664@yahoo.com	10
4.	SONU KUMAR	sonurai2815@gmail.com	10
5.	SANCHITA RAI	santoshkumarra2016@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

Waste collection points in your school.

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

Classrooms	19	0	19	0	0
Playgrounds	5	0	4	1	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	4	0	4	0	0
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	0	1	0
Library	1	0	1	0	0
Toilets	4	0	4	0	0
Others	3	0	3	0	0
Total	42	0	40	2	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	15000
Kitchen waste	0
Paper	15000
Plastic	1580
Wood, glass, metal, classroom furniture	10000
E-waste	0
Biomedical waste	0
Sanitary waste	3000
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

44580

No documents uploaded by the school.

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	0
Kitchen waste	0
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	10000
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	10000

5

Does your school have a composting facility?

Yes

No documents uploaded by the school.

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)?

5,000.00

5c

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

For school garden

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?

Landfill Site

No documents uploaded by the school.

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Outside 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	2	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	1	1	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)	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	6	6	0
Copying equipment (Photocopiers)	4	4	0
Projectors	3	3	0
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	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

No documents uploaded by the school.

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?

Authorised dealer

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

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?

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?

2

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?

PROPER RAINWATER HARVESTING SYSYEM, PROPER DISPOSAL TECHNIQUES

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?

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?

20.00

Checklist of uploaded documents

1. Photographs of lunch boxes
2. Pictures of Green Cover
3. Pictures of landscaped area
4. Pictures of playground with more than two dustbins
5. Picture of audit team weighing solid waste