



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA AIR FORCE STATION

Address: SANDOZBAUG PO, KOLSHET ROAD, ,
THANE(W), THANE, THANE,
Maharashtra, India

Coordinator Name: Mrs.Sreelekha P



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 AIR FORCE STATION

2

Address

SANDOZBAUG PO, KOLSHET ROAD, , THANE(W), THANE, THANE, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 022 (NUMBER) 25868350

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9448818165

5

Principal Name

Mr.Arjun Singh

6

GSP Coordinator Name

Mrs.Sreelekha P

7

GSP Coordinator Email

sreelekha_p@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9819349210

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: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	776	607	1383
Teachers	12	39	51
Non-Teaching Staff	3	1	4
TOTAL	791	647	1438

4(b)

How many visitors visit your school

60

5

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

190

6

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

Sep, Oct, Nov, Dec

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Anitha Sarma	Anitha Sarma
2.	Sreelekha P	sreelekha_p@rediffmail.com
3.	Swati Bhatia	s.swati.b@gmail.com

Administrative staff

Sno.	Name	Email
1.	Attarchand Sarsar	kvthane@gmail.com
2.	Navin Mistry	kvthane@gmail.com
4.	Virmala Koliwada	kvthane@gmail.com
5.	Kishore Thakur	kvthane@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Biswal	adibiswal.biswal787@gmail.com	12
2.	Deepshikha Mishra	deepshikhamishra777@gmail.com	12
3.	Dipanshu Barthwal	shobha.barthwal@gmail.com	12
4.	Gaurav Pandey	gauravpandey400607@gmail.com	12
5.	Pragya Dwivedi	2799pragya@gmail.com	12
6.	Ruchita Raju Patil	rrpatiljss1999@gmail.com	12
7.	Saumi Bhattacharya	bhattacharyasaumi@gmail.com	12
8.	Shivanshi Yadav	anshiyadav29@gmail.com	12
9.	Jyoti Kaushik	jyotikaushik74@gmail.com	12
10.	Shubham Sharma	sharmashub9@gmail.com	12

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

1

How many classrooms does your school have?

22

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	45.00	8.00	17.78
I B	45.00	8.00	17.78
12 A	45.00	8.00	17.78
12 B	45.00	8.00	17.78
12 C	45.00	8.00	17.78
11 C	45.00	8.00	17.78
11 B	45.00	8.00	17.78
11 A	45.00	8.00	17.78
10 A	45.00	8.00	17.78
10 B	45.00	8.00	17.78
TOTAL	450.00	80.00	

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?

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	180	0	0	180
Public Bus	40	0	0	40
School Transport(Other than bus)	127	0	0	127
Public transport (other than bus, Metro, car pool)	0	10	1	11
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	93	12	0	105

Personal four-wheeler	40	5	0	45
Personal two-wheeler	20	5	0	25
Bicycle	40	0	0	40
On foot	843	19	3	865
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1383	51	4	1438

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.	Dillip Kumar Das	dddasdillip@gmail.com
2.	Prem Prakash Singh	premsiswan@gmail.com
3.	Anju Varshney	varshney.anju@gmail.com

Administrative staff

Sno.	Name	Email
1.	Navin Mistry	
2.	Attarchand Sarsar	
4.	Nirmala Koliwada	
5.	Kishore Thakur	

Students

Sno.	Name	Email	Grade/Class
1.	Pramod Nikam	nikampramod29@gmail.com	12
2.	Sai Harsh	ramanamakin@yahoo.com	12
3.	Hrithik Unawane	truptiunawane@gmail.com	12
4.	Trupti Manohare	tk151999@gmail.com	12
5.	Pallavi Joshi	pallavirocksxx15@gmail.com	12
6.	Rupali Tanwar	subhash73tanwar@gmail.com	12
7.	Riyan Ghosh	riyan6899@yahoo.co.in	12
8.	Shakshi Viswakarma	shakshi_v3199@rediffmail.com	12
9.	Anajali Nair	jaya10370@gmail.com	12
10.	Monali Patre	maya.patre@gmail.com	12

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Electricity 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)	1650	5940.00	0
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	1650.00	5940.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	165	4
Microwave	0	0	0
Tube Lights	160	0	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	90	0	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?

180

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.	Sreelekha	sreelekha_p@rediffmail.com
2.	K T Beena	pereira.beena@gmail.com
3.	R K Shukla	rkshukla1976@gmail.com

Administrative staff

Sno.	Name	Email
1.	Navin Mistry	
2.	Attarchand Sarsar	
3.	BS Dalvi	
4.	Nirmala Koliwada	
5.	Kishore Thakur	

Students

Sno.	Name	Email	Grade/Class
1.	Pooja Verma		11
2.	Divya		11
3.	Kanchan		11

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. food.jpg
2. food %282%29.jpg
3. food 4.jpg
4. food2.jpg
5. food 4.jpg

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

1200.00

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

150.00

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?

Yes

6(a) Please provide details

Days of Celebration,like Republic day,Independance day,School Annual day, Sports day, Scouts and Guide day etc

7 Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a) Please provide the names?

Biscuits

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

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Anitha Sarma	sarma.anitha81@gmail.com
2.	Pardhasaradhi	velpula_pardhasaradhi@rediffmail.com
3.	Dileep Sonale	sonaled@gmail.com

Administrative staff

Sno.	Name	Email
1.	Navin Mistry	
2.	Attarchand Sarsar	
3.	B S Dalvi	
4.	Nirmala Koliwada	

Students

Sno.	Name	Email	Grade/Class
1.	Kartik PK		11
2.	Sunil Mahla		11
3.	Mihir		11

Task 2: Measure the four critical areas of your school campus

1

Complete the table:

	Your school's area
Site area in square meter (m ²)	12,829
Ground coverage area	630
Green landscaped area on-ground	50
Surface parking area	0
Play area that is paved/ concrete on ground	200
Play area that has grass on ground	6,000

Service Area on ground	10
Roof and terrace area	630
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,550
Total no. of floors	4
Others	100

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	2	0	2
Animals	1	0	1

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. corner.jpg
2. ground.jpg
3. playground.jpg
4. playground2.jpg
5. playground3.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	sreelekha	sreelekha_p@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Attarchand	kvthane@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sai harsh		12

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	250
Toilet flushing	700
Personal cleaning	500
Washing clothes	0
Cooking	0
Cleaning Utensils	100
Washing Vegetables	0
Mopping floors	50
Gardening	50
Total	1650

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, Rain 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?	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?	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?

Yes

6(a)

Does your school harvest different catchments?.

No

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

500.00

6(b)(2)(b)

Total number of storage tanks

1.00

6(b)(2)(c)

Location of tanks:

Over ground

6(b)(2)(d)

Material options for tanks

PVC

6(c)

How much area in your school is harvested?

21 to 30 per cent

6(d)

Please select (from the list given below) the rainwater harvesting structures present in your school

Storage tank

6(e)

Rate your catchment on cleanliness:

Good

Supporting Documents

1. rain water %282%29.jpg

6(f)

Does your school clean your catchment and system (structure?)?

Yes

6(f)(1)

Please specify when does your school clean the catchment and RWH system?

Post-monsoon

6(g)

Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1)

Please specify when does your school monitor the groundwater level?

Pre-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

No change

6(i)

If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

No

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?	No
Are there sufficient toilets for men in your school?	No
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?

6

9 How many hand pumps do you have?

0

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

12

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

	Girls	Boys	Common	Total
Number of toilets	9	9	0	18

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

18

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

0

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ravindra Kamble	kvthane@gmail.com

Administrative staff

Sno.	Name	Email
1.	Navin Mistry	

Students

Sno.	Name	Email	Grade/Class
1.	Satish Pandey		12

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	22	0	22	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	3	0	3	0	0
Staffroom	2	0	2	0	0
Laboratory	5	1	4	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0

Toilets	6	0	6	0	0
Others	0	0	0	0	0
Total	41	1	40	0	0

Supporting Documents

1. dust bin.jpg
2. dust bin %282%29.jpg
3. floor dust bin.jpg
4. classroom dustbin.jpg
5. seggregated.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	5
Kitchen waste	01
Paper	5
Plastic	1
Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	1
Construction and Demolition (C & D) waste	1
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	16

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?

Yes

No documents uploaded by the school.

9a Where does your school burn waste?

Inside 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	1	1	0
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	2	0	2
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	110	90	20
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0

Notepad computers	0	0	0
Printers	8	5	3
Copying equipment (Photocopiers)	2	1	1
Projectors	11	11	0
Whiteboards	7	7	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	4	4	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?

Yes

Policy document

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?

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?

Need to conduct awareness programme

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?

60.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
6. Picture of types of solid waste generated