



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA NO.2  
**Address:** KENDRIYA VIDYALAYA NO.2, SHANTI  
NAGAR, VASCO DA GAMA, GOA,  
VASCO DA GAMA, SOUTH GOA, Goa,  
India  
**Coordinator Name:** PRIYA C K



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 NO.2

2

Address

KENDRIYA VIDYALAYA NO.2,SHANTI NAGAR,VASCO DA GAMA,GOA, VASCO DA GAMA,  
SOUTH GOA, Goa, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0832 (NUMBER) 2531060

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9422464318

5

Principal Name

SAROJ KUJUR

6

GSP Coordinator Name

PRIYA C K

7

GSP Coordinator Email

madhu.priyakrishnan@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9605789843

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	470	387	857
Teachers	10	28	38
Non-Teaching Staff	3	2	5
TOTAL	483	417	900

4(b)

How many visitors visit your school

75

5

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

195

6

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

Aug

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs.Saroj Kujur	Mrs.Saroj Kujur
2.	Mrs.Priya.C.K	madhu.priyakrishnan@gmail.com
3.	Mrs.Sheeba.K.M	sheebaprakash15@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mrs.Saroj Kujur	primerster@gmail.com
2.	Mrs.Laly Paulose	lalyjohnson1997@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aliya Khan	aliyakhan6641@gmail.com	11
2.	Divyesh Babu	divyeshjb015@gmail.com	11
3.	Nikhil Bhasin	nikhilbhasin12044@gmail.com	11

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

1 How many classrooms does your school have?

24

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 I and II	19,637.00	19,637.00	100.00
class III	9,818.00	5,037.00	51.30
Class IV	9,818.00	5,037.00	51.30
Class V	9,818.00	5,037.00	51.30
Class VI	9,818.00	5,037.00	51.30

Class VII	9,818.00	5,037.00	51.30
Class VIII	9,818.00	5,037.00	51.30
Class IX	9,818.00	5,037.00	51.30
Class X	9,818.00	5,037.00	51.30
Class XI and XII	19,637.00	10,074.00	51.30
<b>TOTAL</b>	<b>117,818.00</b>	<b>70,007.00</b>	

### 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	320	9	0	329
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	1	0	1
Personal four-wheeler	0	2	0	2
Personal two-wheeler	0	10	3	13
Bicycle	211	0	0	211
On foot	326	16	2	344
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>857</b>	<b>38</b>	<b>5</b>	<b>900</b>

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

5

How many students suffer from respiratory ailments ?

6

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.	Reenu Thankachan	reenuginu@gmail.com
2.	Priya .ck	priyack1979@gmail.com
3.	Suhana sathar	suhanasathar@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	saroj kujur	kv2vasco@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	YANKEE TIRKEY	yankeetirkey20@gamil.com	11
2.	ABHISHEK KUMAR PANDIT	panditabhishek15@gmail.com	11
3.	AMAN KUMAR SHODAI	rajaman3144@gmail.com	11

### 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 001.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
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Electricity from the board (kwh)	3072	11059.20	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
<b>TOTAL</b>	<b>3072.00</b>	<b>11059.20</b>	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	1	2
Refrigerator	1	180	4
Microwave	1	11	4
Tube Lights	420	16800	1
CFL Bulbs	12	156	1
LED Lights	1	12	1
Fans	140	560	1



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?

270

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.Priya C K	madhu.priyakrishnan@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mrs.Saroj Kujur	kv2vasco@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Yankee Tirkey	yankeetirkey20@gamil.com	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

Yes

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

#### Supporting Documents

1. Food-Lunch.jpg

2(a)(1)

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

721.00

2(a)(2)

Of the students who bring lunch from home, how many bring packaged food?

136.00

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	2	50	4
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

**Supporting Documents**

1. Canteen.jpg

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	1
Idli/vada and sambhar	1
Pav bhaji	1
Momos	0
Others	0

4(b) Give descriptions for rare local snacks served in your school:?

Roti

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?

No

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.	Priya.ck	madhu.priyakrishnan@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	saroj kujur	kv2vasco@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aliya khan	aliyakhan6641@gmail.com	11
2.	Divyesh babu	divyeshjb015@gmail.com	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 (m2)	24,281
Ground coverage area	4,046
Green landscaped area on-ground	5,094
Surface parking area	1,012
Play area that is paved/ concrete on ground	4,046
Play area that has grass on ground	911
Service Area on ground	506
Roof and terrace area	2,313
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,167

Total no. of floors	2
Others	5,287

### 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	58	12	70
Animals	3	0	3

### 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. 20161025\_144800-1-1-1.jpg
2. 20161025\_144339-1-1-1.jpg
3. 20161025\_144451-2-1-1-1.jpg
4. 20161025\_144941-1-1-1.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Sheeba.km	sheebaprakash@gmail.com
2.	Priya.ck	madhu.priyakrishnan@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Saroj kujur	Kv2vasco@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Athira	7431athira@gmail.com	11
2.	Garima	garimatiwari@gmail.com	11

### 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	200
Toilet flushing	100
Personal cleaning	100
Washing clothes	10
Cooking	0
Cleaning Utensils	3
Washing Vegetables	0
Mopping floors	10
Gardening	97

Total	520
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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?

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

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?	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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	No



## Supporting Documents

1. 20161027\_122418-1-1.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).

1

### 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?	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?

4

9

How many hand pumps do you have?

0

10

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

30

11

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

	Girls	Boys	Common	Total
Number of toilets	16	37	3	56

12

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

37

13

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

5

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?

Yes

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.	Sheeba.K.M	sheebaprakash@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Saroj Kujur	kv2vasco@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Udayarathna	udhayarathna2000@gmail.com	11

### 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
4. Other: BAVISH Team

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	1	0	1	0	0
Playgrounds	4	0	4	0	0

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

### Supporting Documents

1. 20161027\_123452-1-2.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	1
Kitchen waste	2
Paper	56
Plastic	1
Wood, glass, metal, classroom furniture	2
E-waste	0
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	3
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

67

**Supporting Documents**

1. 20151107\_103846.jpg
2. 20151107\_104357.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?

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)?

0.00

5c What is the purpose of the compost that is generated per month?

























For horticultural purposes

6 Does your school encourage students &amp; 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. 20151107\_103846.jpg
2. Recycling team collecting.jpg

## 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

### Supporting Documents

1. 20161027\_154920-1-1-1.jpg

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	2	2	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	1	0	1
Heaters	0	0	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	55	25	30
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	2	1
Copying equipment (Photocopiers)	2	0	2
Projectors	1	1	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	1	0

Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	1	1	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

### Supporting Documents

1. 20161108\_112230-1-1-1-3-1-1-1.jpg
2. 20161108\_112230-1-1-1-2-1.jpg
3. 20161108\_112230-1-1-1-1.jpg
4. 20161108\_112230-1-1-1-2-2-1.jpg
5. 20161108\_112230-1-1-1-2-2.jpg

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

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 extracurricular activities such as guest lectures

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?

Fund assistance

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?

10.00

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Picture of types of solid waste generated
12. Pictures of burning waste
13. Certificate of disposing e-waste from authorised dealer/dismantler