



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO 1
SRIVIJAYANAGAR VISAKHAPATNAM

Address: 104 AREA ,INDUSTRIAL ESTATE,
MARRIPALEM, VISAKHAPATNAM,
VISAKHAPATNAM, Visakhapatnam,
Andhra Pradesh, India

Coordinator Name: A DHANALAKSHMI



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 1 SRIVIJAYANAGAR VISAKHAPATNAM

2

Address104 AREA ,INDUSTRIAL ESTATE, MARRIPALEM, VISAKHAPATNAM, VISAKHAPATNAM,
Visakhapatnam, Andhra Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0891 (NUMBER) 2558357

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8985479945

5

Principal Name

S SREENIVASA RAJA

6

GSP Coordinator Name

A DHANALAKSHMI

7

GSP Coordinator Email

dhana.arya@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9951944336

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	781	720	1501
Teachers	20	32	52
Non-Teaching Staff	9	5	14
TOTAL	810	757	1567

4(b)

How many visitors visit your school

100

5

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

220

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.	A. DHANALAKSHMI	A. DHANALAKSHMI
2.	KKB RAO	kkb.rao@gmail.com
3.	Md ISMAIL SHARIFF	roky215@gmail.com

Administrative staff

Sno.	Name	Email
1.	SRI S S RAJA	kv1svnvskp@gmail.com
2.	SRI S NAGENDRAKUMAR	nagensang@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	HEPHZIBA	hephzibahmla41017@gmail.com	9
2.	KIRAN	liranalex2002@gmail.com	9
3.	NIKHIL	nikhil10995@gmail.com	9
4.	ANAND	salinaprakash@gmail.com	9
5.	KUSHWANTH	KUSHWANTH@kesavarao.com	9

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

1 How many classrooms does your school have?

72

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)
PRE-PRIMARY	49.00	14.00	28.57
1B	49.00	14.00	28.57
1C	49.00	14.00	28.57

2A	49.00	14.00	28.57
6B	49.00	14.00	28.57
6C	49.00	14.00	28.57
10A	49.00	14.00	28.57
10B	49.00	14.00	28.57
11A	49.00	14.00	28.57
12A	49.00	14.00	28.57
TOTAL	490.00	140.00	

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?

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
School Bus	0	0	0	0
Public Bus	500	12	2	514
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	1	5	0	6
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	500	0	0	500
Personal four-wheeler	0	16	0	16
Personal two-wheeler	0	19	2	21
Bicycle	400	0	0	400
On foot	100	0	10	110
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1501	52	14	1567
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Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

100

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.	K K B RAO	k kb.rao@gmail.com

Administrative staff

Sno.	Name	Email
1.	SRI S S RAJA	kv1svnvskp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Abhishek. T	tirumareddybhavya@gmail.com	9
2.	Kalyani.P	chenukalyani100@gmail.com	9
3.	R.N.S Yashwant	rnsyashwantrns@gmail.com	9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. P1.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)	1500	5400.00	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)	42	2167.20	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1542.00	7567.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	21	30	5
Refrigerator	3	620	5
Microwave	0	0	0
Tube Lights	288	6000	4
CFL Bulbs	20	200	5
LED Lights	20	160	5
Fans	300	3000	3

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?

300

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.	A MANGAVENI	amangaveni@yahoo.com
2.	KRISHNA CHOPRA	jaykrishchops@gmail.com

Administrative staff

Sno.	Name	Email
1.	S SREENIVASA RAJA	kv1svnvskp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	B Padmasri	bonelaprasadarao@gmail.com	7
2.	K Lohith	radhakumarikarri@gmail.com	7
3.	Navneeth Kriashna T	manav1699@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

No documents uploaded by the school.

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

1501.00

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

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

Biscuit packets

7

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

Yes

7(a)

Please provide the names?

Brittania Good Day biscuit packets,

8

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

No

Supporting Documents

1. Survey.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	K K B RAO	k kb.rao@gmail.com
2.	D V R Gupta	dvr Gupta@live.in

Administrative staff

Sno.	Name	Email
1.	S SREENIVASA RAJA	kv1svnvskp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vaishnavi	gs vaishnavi2000@gmail.com	11
2.	Aishwarya.V.V.B	aishwaryabuddharaju19@gmail.com	11
3.	Shrusti Panigrahi	shripi05@yahoo.co.in	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)	24,000
Ground coverage area	7,062
Green landscaped area on-ground	2,000
Surface parking area	0
Play area that is paved/ concrete on ground	5,000
Play area that has grass on ground	2,000
Service Area on ground	1,000
Roof and terrace area	10,000
Green cover on exposed roof & terrace	0

Total built up/constructed area	15,000
Total no. of floors	2
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	50	0	50
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. LANDSCAPE1.jpg
2. B PLAN.JPG
3. 20161118_111127.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	G V LAKSHMI	lakshmisuryapal@gmail.com
2.	M U B Murty	murthtpet@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	S SREENIVASA RAJA	kv1svvskp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	J SREYA	sreevanijamma0184@gmai.com	7
2.	B ANJANA	banchoranju@gmail.com	7
3.	HARSHA	r.kanaka70@gmail.com	7

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	7500
Toilet flushing	500
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	50
Gardening	100

Total	8150
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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?

Public Health Engineering Department (PHED)

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?	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)	Yes

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?

Combination of both

6(b)(1)

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

Gardening, Mopping, Toilets

6(b)(2)

Does your school have rainwater storage tank?

No

6(c)

How much area in your school is harvested?

10 to 20 per cent

6(d)

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

Collection sump, Recharge structure

6(e)

Rate your catchment on cleanliness:

Good

Supporting Documents

1. RECHARGE.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?

Post-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?

Yes

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?

60

9

How many hand pumps do you have?

0

10

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

25

11

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

	Girls	Boys	Common	Total
Number of toilets	18	18	0	36

12

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

40

13

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

1

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.	A DHANA LAKSHMI	dhana.arya@gmail.com
2.	SMT LAKSHMI JANARDHANI	posina921@gmail.com
3.	SMT MERCY SULOCHANA	sulochana.mercy92@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sri S S Raja	kv1svnvskp@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	VAISHANAVI	gsvaishnavi2000@gmail.com	
2.	HIMASMITA MISRO	hsmisro2361@gmail.com	
3.	AISHWARYA V.V.B	aishwaryabuddharaju19@gmail.com	
4.	G PREETHAM SAXON	sulochana.mercy92@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. 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	72	0	72	0	0
Playgrounds	4	4	0	0	0

Common area (e.g. reception, corridors)	8	0	4	4	0
Staffroom	2	0	2	0	0
Laboratory	8	0	8	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	3	0	0	2	1
Library	1	0	1	0	0
Toilets	41	0	36	5	0
Others	0	0	0	0	0
Total	139	4	123	11	1

Supporting Documents

1. waste disp.jpg
2. WASTE SEP.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	0
Paper	5
Plastic	5
Wood, glass, metal, classroom furniture	8
E-waste	0
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

25

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?

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)?

5.00

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?

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?

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	3	3	0
Washing machines	0	0	0
Air conditioners	21	21	0
Heaters	0	0	0
Microwaves	0	0	0
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	15	15	0
Copying equipment (Photocopiers)	4	4	0
Projectors	10	10	0
Whiteboards	15	15	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. electro1.JPG

2. IMG_1148.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?

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?

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

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?

To monitor the audit and encourage us by conducting competitions

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Average
Orientation for conducting tasks	Average

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?

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?

800.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of 5 star appliances used by school
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
6. Pictures of playground with more than two dustbins
7. Pictures of Electronic items used by school and storage of non-working electronic items
8. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
9. Pictures of respective audit teams doing survey