



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KENDRIYA VIDYALAYA KHAMMAM  
**Address:** VILL POLEPALLY, OPP KARUNAGIRI,  
KHAMMAM, KHAMMAM, Telangana,  
India  
**Coordinator Name:** TL PRASANNA KUMARI



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 KHAMMAM

2

Address

VILL POLEPALLY, OPP KARUNAGIRI, KHAMMAM, KHAMMAM, Telangana, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 8742 (NUMBER) 298099

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9719809449

5

Principal Name

M. SEETHA RAMAIAH

6

GSP Coordinator Name

TL PRASANNA KUMARI

7

GSP Coordinator Email

prasannasasi15@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9441944236

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	655	586	1241
Teachers	25	26	51
Non-Teaching Staff	3	4	7
TOTAL	683	616	1299

4(b)

How many visitors visit your school

1200

5

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

225

6

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

Sep

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	TL PRASANNA KUMARI	TL PRASANNA KUMARI
2.	KRISHNANAND SINGH	knsbhu@gmail.com
3.	MALLAIAH	aenugutalamallaiah@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	TAPAN KUMAR	tknath1503@gmail.com
2.	A. USHANNA	Ushanna72@gmail.com
3.	LAL MOHAMMAD	sklalmohammad@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	B.UMESH	bhukya.umesh9@gmail.com	9
2.	K.MAHITHA VARMA	mudunuri.lavanyamba@gmail.com	9
3.	K.SARAYU	sarayukatangur@gmail.com	8
4.	SAI KUMAR	bhukya.umesh9@gmail.com	9
5.	SKS. JASWANTH	arudhrasjs@gmail.com	7

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

1 How many classrooms does your school have?

33

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 A	49.00	5.50	11.22
CLASS II B	49.00	5.50	11.22

CLASS IV C	49.00	5.50	11.22
CLASS V A	74.00	5.50	7.43
CLASS VII B	49.00	5.50	11.22
CLASS VIII C	46.00	5.50	11.96
CLASS IX A	49.00	5.50	11.22
CLASS 10 B	48.00	5.50	11.46
CLASS 11 A	25.00	5.50	22.00
CLASS 12 A	49.00	5.50	11.22
TOTAL	487.00	55.00	

### 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
School Bus	0	0	0	0
Public Bus	150	10	1	161
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	150	10	3	163
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	50	10	0	60
Personal four-wheeler	4	3	0	7
Personal two-wheeler	0	10	0	10
Bicycle	300	0	0	300
On foot	587	8	3	598

Others (non-motorised)	0	0	0	0
SUB-TOTAL	1241	51	7	1299

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

5

How many students suffer from respiratory ailments ?

1

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.	AVINASH KUMAR	avinashi191969@gmail.com
2.	VIJAY SRINIVAS	vijaysrinivas314@gmail.com
3.	M.H.A BAIG	hafeezbaig3377@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	KIRAN PRASAD	kvkhammam2007@gmail.com
2.	PRASAD	kvkhammam2007@gmail.com
3.	A. USHANNA	kvkhammam2007@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	BHARATH	kvkhammam2007@gmail.com	7
2.	L.NIHARIKA	kvkhammam2007@gmail.com	9
3.	HAMPI	hampipadigala@gmail.com	10
4.	P.VIDYA	kvkhammam2007@gmail.com	9
5.	G. RAHUL	kvkhammam2007@gmail.com	7

### Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. ELECTRIC 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)	3536	12729.60	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	3536.00	12729.60	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------



Air Conditioners	1	1.5	3
Refrigerator	1	200L	4
Microwave	0	0	-
Tube Lights	305	60	-
CFL Bulbs	50	20	-
LED Lights	0	0	-
Fans	305	100	-

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?

320

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.	VIJAY SRINIVAS	kvkhammam2007@gmail.com
2.	NIDHI MALHOTRA	nidhidewoo@gmail.com
3.	PBLR. ARUDHRA	arudhrasjs@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	NAGAMANI	kvkhammam2007@gmail.com
2.	ANNAPURNA	kvkhammam2007@gmail.com
3.	SUHASINI	kvkhammam2007@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	LAKSHMI VARSHITHA	kvkhammam2007@gmail.com	11
2.	VAISHNAVI	ksras0839@gmail.com	10
3.	ANIMESH	animesh.jena.1@gmail.com	10
4.	PARAMJYOTHI	kvkhammam2007@gmail.com	9
5.	UJWAL	kvkhammam2007@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. IMG\_20161117\_141159.jpg

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

1241.00

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?

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

#### Supporting Documents

1. IMG\_20161117\_141620.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	T L PRASANNA KUMARI	prasannasasi15@gmail.com
2.	VIJAY SRINIVAS	kvkhammam2007@gmail.com
3.	PREM KUMAR	prem2mca@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	RAM BABU	kvkhammam2007@gmail.com
2.	VENKANNA	kvkhammam2007@gmail.com
3.	NAGAMANI	kvkhammam2007@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	B. BROTHER SINGH	BROTHER PRABHAS.VS@gmail.com	10
2.	CH, JASWANTH	bhukya.umesh9@gmail.com	9
3.	S. BHANU	bhanubhama@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 (m <sup>2</sup> )	39,000
Ground coverage area	37,000
Green landscaped area on-ground	30,000
Surface parking area	0
Play area that is paved/ concrete on ground	10,000
Play area that has grass on ground	10,000
Service Area on ground	4,500

Roof and terrace area	4,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,000
Total no. of floors	2
Others	2,000

### 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	140	50	190
Animals	30	0	30

### 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\_20161118\_101839.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	P. SRINIVASULU	psrinivasulu63@gmail.com
2.	K .SRI HARI	ssreeharis@gmail.com
3.	ASHISH	kvkhammam2007@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	SAI BABU	kvkhammam2007@gmail.com
2.	USHANNA	kvkhammam2007@gmail.com
3.	SUHASINI	kvkhammam2007@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	K.SANDEEP	kannagantisandeep@gmail.com	9
2.	B. SANDEEP	kvkhammam2007@gmail.com	9
3.	PVSN. VARSHITH	kvkhammam2007@gmail.com	7
4.	AYESHA	shaikayeshasiddique@gmail.com	9

### 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	1500
Personal cleaning	2000
Washing clothes	0
Cooking	0
Cleaning Utensils	0

Washing Vegetables	0
Mopping floors	300
Gardening	1000
Total	6800

### 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

19-24 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?	Yes



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

### Supporting Documents

1. IMG\_20161118\_113113.jpg
2. IMG\_20161118\_113236.jpg

## 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 recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

No

6(c)

How much area in your school is harvested?

31 to 40 per cent

6(d)

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

Collection sump

6(e)

Rate your catchment on cleanliness:

Good

### Supporting Documents

1. IMG\_20161118\_123241.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?

Do not follow any such pattern

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?

Do not follow any such pattern

6(h) What is the trend of groundwater level in your school across the year?

If there was a decrease, please specify

6(h)(1) Please specify how much was the decrease?

Less than a metre annually

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?	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?

30

9 How many hand pumps do you have?

0

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

16

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

	Girls	Boys	Common	Total
Number of toilets	22	22	0	44

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

24

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

6

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening, Recharge Ground Water

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	PV. GANA LAKSHMI	kvkhammam2007@gmail.com
2.	SREEJA	kvkhammam2007@gmail.com
3.	JYOTHI SREE	kvkhammam2007@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	ANNAPURNA	kvkhammam2007@gmail.com
2.	SUHASINI	kvkhammam2007@gmail.com
3.	NAGAMANI	kvkhammam2007@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	M. JAHNAVI	kvkhammam2007@gmail.com	9
2.	SAHIL	kvkhammam2007@gmail.com	10
3.	BHUSHAN	kvkhammam2007@gmail.com	10
4.	YAMINI	kvkhammam2007@gmail.com	11
5.	BINDU	kvkhammam2007@gmail.com	11
6.	BHAVYA	kvkhammam2007@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

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	33	0	3	30	0
Playgrounds	9	0	3	6	0
Common area (e.g. reception, corridors)	12	0	8	4	0
Staffroom	6	0	2	4	0
Laboratory	16	0	6	10	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	0	2	0
Library	4	0	2	2	0
Toilets	25	0	10	15	0
Others	0	0	0	0	0
Total	107	0	34	73	0

### Supporting Documents

1. IMG\_20161118\_135024.jpg
2. IMG\_20161118\_134512.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	10
Kitchen waste	0
Paper	10
Plastic	2
Wood, glass, metal, classroom furniture	3

E-waste	0.2
Biomedical waste	5
Sanitary waste	10
Construction and Demolition (C & D) waste	2
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	42.2

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 horticultural purposesFor 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)	✗	✗	✓	✗

### Supporting Documents

1. IMG\_20161118\_135847.jpg

## 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)

### Supporting Documents

1. IMG\_20161118\_140352.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	1	1	0
VCR or DVD players	2	2	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	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	50	50	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	10	10	0
Whiteboards	12	12	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	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
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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?

Kabadiwalla/ Scrapdealer

## 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 the curriculum , 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

## Supporting Documents

1. IMG\_20161117\_141620.jpg



## 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?

1

2

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

Yes

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?

We require waste water treatment plant, drip irrigation system to save water, Solar panels for making use of renewable source of energy and RO plant installation in the school to ensure safe drinking water for the students.

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?

50.00

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Building construction plan
6. Pictures of dustbins in classroom showing segregation at source
7. Picture of audit team weighing solid waste
8. Picture of types of solid waste generated
9. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of Electronic items used by school and storage of non-working electronic items
12. Pictures of respective audit teams doing survey