



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA DHARWAD
Address: SOMESHWAR TEMPLE ROAD ,
DHARWAD, DHARWAD, DHARWAD,
Karnataka, India
Coordinator Name: C.R.RAO



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 DHARWAD

2

Address

SOMESHWAR TEMPLE ROAD , DHARWAD, DHARWAD, DHARWAD, Karnataka, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0836 (NUMBER) 2440110

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9342006777

5

Principal Name

K.S.MURALI KRISHNA

6

GSP Coordinator Name

C.R.RAO

7

GSP Coordinator Email

craghavendra628@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8762143526

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	759	583	1342
Teachers	13	10	23
Non-Teaching Staff	4	1	5
TOTAL	776	594	1370

4(b) How many visitors visit your school

500

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?

Aug, Oct

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	AISHWARYA.AV	AISHWARYA.AV

Administrative staff

Sno.	Name	Email
1.	C,R.RAO	craghavendra628@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PRADATTI	kashyukammu@gmail.com	XI
2.	PRANATI	kashyukammu@gmail.com	XI
3.	SWATI	rajukallimath380@gmail.com	XI
4.	KEERTI	satishrs@rediffmail.com	XI
5.	TANUSHREE	mahantayya@gmail.com	XI

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

1 How many classrooms does your school have?

32

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)
IABC	126.00	24.00	19.05
IIABC	126.00	24.00	19.05
IIIABC	126.00	24.00	19.05
IVABC	126.00	24.00	19.05
VABC	126.00	24.00	19.05

VIABC	126.00	24.00	19.05
VIIABC	126.00	24.00	19.05
VIIIABC	126.00	24.00	19.05
IXABC	126.00	24.00	19.05
XABC ,XI and XII	210.00	40.00	19.05
TOTAL	1,344.00	256.00	

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	0	0	0	0
Public Bus	459	1	2	462
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	568	0	0	568
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	200	2	0	202
Personal four-wheeler	10	3	0	13
Personal two-wheeler	75	13	2	90
Bicycle	10	0	0	10
On foot	20	4	1	25
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1342	23	5	1370

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?

Yes

Supporting Documents

1. IMG-20161116-WA0022.jpg
2. IMG-20161116-WA0030.jpg



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	SUNANDA.V.K	sunnuk9@gmail.com

Administrative staff

Sno.	Name	Email
1.	C.R.RAO	craghavendra628@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PRATIKSHA	pratu13rst@gmail.com	8
2.	SHRUSHTI.S	susheelshankaragencies@yahoo.com	8
3.	SURABHI	susheelshankaragencies@yahoo.com	8
4.	SHRUSHTI.K	patagarkrishna@gmail.com	8
5.	SURAKSHA	satishkumarningalahalli52@gmail.com	8

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG-20161116-WA0023.jpg
2. IMG-20161116-WA0026.jpg
3. IMG-20161116-WA0027.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)	23950	86220.00	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)	1.5	77.40	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	23951.50	86297.40	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	ISI
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	450	40	ISI
CFL Bulbs	18	18	ISI
LED Lights	15	15	ISI

Fans	150	60	ISI
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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.	M.K.GANIGER	mkganiger@gmail.com

Administrative staff

Sno.	Name	Email
1.	M.K.GANIGER	mkganiger@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SUHAS.K	suhaskk202@gmail.com	9
2.	AKSHAY.G.H	akshayhaveler889292@gmail.com	9
3.	GURUPRASAD.P	guruprasadpatil7@gmail.com	9
4.	RAGHUNANDANA.V	geetanjalivmulgund@gmail.com	9
5.	RAGHUNANDANA.S	raghunandana17@gmail.com	9

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-20161116-WA0029.jpg
2. IMG-20161116-WA0029.jpg
3. IMG-20161116-WA0003.jpg

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

1342.00

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	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	10
Potato fries and Burgers	0	0	10
Confectionery items (chocolate, candies, gums)	3	100	10
Ice-cream	0	0	10
Carbonated beverages	0	0	10
Sugar sweetened noncarbonated beverages	0	0	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	150	10
Packaged/Bottled Energy Drinks	0	0	10

No documents uploaded by the school.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	150
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

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

Dharwad pedah It is a sweet made of khawa,sugar and it served on all occasions like Independence Day,Republic Day,Annual Day etc,

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	0
Sweet lassi	0
Salted butter milk	150
Aam Panna	0
Others	0

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

GOOD DAY,PARLE, BISCUITS

7

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

Yes

7(a)

Please provide the names?

MUNCH,DAIRY MILK, PERK

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.	PUSHPA.V.SAVANUR	pushpaisavanuru@gmail.com

Administrative staff

Sno.	Name	Email
1.	BASAPPA.HOSAMANI	bhosamani2546@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	VACHAN.H	arunhanamanal@gmail.com	9
2.	SAISAKETH.C	subramanyamchada@gmail.com	9
3.	GAUTAM.D	iamgautamdiwakar@gmail.com	9
4.	VIJAY.H	vijayrh@gmail.com	9
5.	DINESH.S	dineshkrs9509@gmail.com	9

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	3,876
Green landscaped area on-ground	24,156
Surface parking area	0
Play area that is paved/ concrete on ground	2,848
Play area that has grass on ground	928
Service Area on ground	3,000
Roof and terrace area	2,000

Green cover on exposed roof & terrace	0
Total built up/constructed area	5,041
Total no. of floors	4
Others	2,400

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	100	0	100
Animals	50	0	50

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-20161116-WA0002.jpg
2. IMG-20161116-WA0008.jpg
3. IMG-20161116-WA0032.jpg
4. IMG-20161116-WA0013.jpg
5. IMG-20161116-WA0024.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	BASAPPA.HOSAMANI	bhosamani2546@gmail.com

Administrative staff

Sno.	Name	Email
1.	PUSHPA.SAVNUR	pushpaisavanuru@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	RAGHAVENDRA	amrutbyakodi@gmail.com	8
2.	PRANITH	ambatigiri@gmail.com	8
3.	GYANESHWAR RAO	gyan916@rediffmail.com	8
4.	ABHISHEK	abhim17102003@gmail.com	8
5.	AMOGH	amoghrman@rediffmail.com	8

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	1000
Washing clothes	500
Cooking	0
Cleaning Utensils	200
Washing Vegetables	0
Mopping floors	500

Gardening	2500
Total	8700

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?	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

Supporting Documents

1. IMG-20161116-WA0004.jpg
2. IMG-20161116-WA0028.jpg
3. IMG-20161116-WA0015.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).

5581

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)?	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?

48

9

How many hand pumps do you have?

1

10

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

40

11

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

	Girls	Boys	Common	Total
Number of toilets	31	31	2	64

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?

10

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

Used for groundwater recharge

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	C.R.RAO	craghavendra62@gmail.com

Administrative staff

Sno.	Name	Email
1.	SUNANDA.V.K	sunnuk9@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	KARTHIK.K	karthikkulkarni2822@yahoo.co.in	9
2.	SRUJAN.B	srujanbashetti2@gmail.com	9
3.	NIHAL.G	nihalr416@gmail.com	9
4.	MRUTYUNJAYSWAMY	mruthhiremath@gmail.com	9
5.	RAAZ.Y	idyadwad@gmail.com	9

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	32	0	32	0	0
Playgrounds	4	0	2	2	0

Common area (e.g. reception, corridors)	8	0	4	4	0
Staffroom	2	0	1	1	0
Laboratory	4	0	4	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	12	0	12	0	0
Others	6	0	6	0	0
Total	70	0	63	7	0

Supporting Documents

1. IMG-20161116-WA0005.jpg
2. IMG-20161116-WA0010.jpg
3. IMG-20161116-WA0017.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	50
Kitchen waste	5
Paper	5
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	1
Sanitary waste	2
Construction and Demolition (C & D) waste	0

Hazardous waste	0
Total Generated Solid Waste (in kilogram)	70

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)?

60.00

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?

No

10

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	1	1	
VCR or DVD players	1	1	
Refrigerators and freezers	0	0	
Washing machines	0	0	
Air conditioners	0	0	
Heaters	0	0	
Microwaves	0	0	

Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	57	57	
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	2	2	
Copying equipment (Photocopiers)	2	2	
Projectors	3	3	
Whiteboards	4	4	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	0		
Fax machines	1	1	
Telex	0	0	
Telephones	2	2	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	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?

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?

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?

Assistance from Forest department for the saplings on free of cost and additional finances for the maintenance of green cover in the school campus

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?

1000.00

Checklist of uploaded documents

1. Picture of Air Quality Monitoring equipment of school
2. Electricity Bill
3. Photographs of lunch boxes
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Building construction plan
7. Pictures of housekeeping staff disposing different types of solid waste
8. Pictures of Electronic items used by school and storage of non-working electronic items
9. Pictures of respective audit teams doing survey