



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KARUA GADADHAR KAR HIGH SCHOOL, BELDANDIA

**Address:** AT/PO-BELDANDIA, VIA-SINGLA, PS-SINGLA, BALASORE, Balasore, Odisha, India

**Coordinator Name:** GOURANGA CHARAN ROUT



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**

KARUA GADADHAR KAR HIGH SCHOOL, BELDANDIA

2

**Address**

AT/PO-BELDANDIA, VIA-SINGLA,PS-SINGLA, BALASORE, Balasore, Odisha, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 06781 (NUMBER) 235033

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 9937065964

5

**Principal Name**

ABHIRAM KAMILA

6

**GSP Coordinator Name**

GOURANGA CHARAN ROUT

7

**GSP Coordinator Email**

routgourangacharan91@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9777355189

9

**Category Of The School**

Day Scholar + Day Boarding + Residential

10

**School Shifts**

Both

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:8

Highest level of grade:10

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

State Board of Education (please select name of your state from the list below if applicable)

State: Odisha

4

Total permanent population of the school

	Male	Female	Total
Students	130	75	205
Teachers	7	1	8
Non-Teaching Staff	4	0	4
TOTAL	141	76	217

4(b)

How many visitors visit your school

1

5

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

230

6

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

Oct

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	ABHIRAM KAMILA	ABHIRAM KAMILA
2.	GOURANGA CHARAN ROUT	routgourangacharan91@gmail.com
3.	JANMEJAY ANDIA	routgourangacharan91@gmail.com

#### Administrative staff

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1.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
2.	GOURANGA CHARAN ROUT	routgourangacharan91@gmail.com
3.	JANMEJAY ANDIA	routgourangacharan91@gmail.com
4.	SURYA KUMAR GHOSH	routgourangacharan91@gmail.com
5.	RAJKISHOR BARIK	routgourangacharan91@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RANJIT JENA		8
2.	BIKASH RANJAN KAMILA		10
3.	BIKASH PRUSTI		10
4.	HARIHAR GIRI		10
5.	HIMANSHU SETHI		10
6.	TAPAN ROUT		8
7.	MANTAJ SAHA		8
8.	SK OKIL		8
9.	CHANDAN GIRI		10
10.	KAMALAKANTA BEHERA		8

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

1

How many classrooms does your school have?

3

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)
A	384.00	100.00	26.04
B	384.00	100.00	26.04
C	384.00	100.00	26.04
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
TOTAL	1,152.00	300.00	

### 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	0	0	0	0
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	0	0	0
Personal four-wheeler	0	0	0	0
Personal two-wheeler	0	3	1	4
Bicycle	150	2	2	154
On foot	59	0	0	59
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>209</b>	<b>5</b>	<b>3</b>	<b>217</b>

### 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?

No



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
2.	GOURANGA CHARAN ROUT	routgourangacharan91@gmail.com
3.	JANMEJAY ANDIA	routgourangacharan91@gmail.com

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5.	RAJKISHOR BARIK	routgourangacharan91@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RANJIT JENA		8
2.	BIKASH RANJAN KAMILA		10
3.	HARIHAR GIRI		10
4.	HIMANSHU SETHI		10
5.	KAMALAKANTA BEHERA		8
6.	TAPAS ROUT		8
7.	BIKASH PRUSTI		10
8.	CHANDAN GIRI		10
9.	ASHISH KUMAR PAL		10
10.	MANT AJ SAHA		10

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

1

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

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)	0	0.00	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)	300	5280.00	2
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	300.00	5280.00	

### Supporting Documents

1. 122.jpg

4

What appliances does your school have?



	Number	Size	BEE Star Rating
Air Conditioners	NO	NO	NO
Refrigerator	NO	NO	NO
Microwave	NO	NO	NO
Tube Lights	NO	NO	NO
CFL Bulbs	NO	NO	NO
LED Lights	NO	NO	NO
Fans	NO	NO	NO

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?

26

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.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
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5.	RAJKISHOR BARIK	routgourangacharan91@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RANJIT JENA		8
2.	TAPAS ROUT		8
3.	MAIRAJ SAHA		8
4.	OKILUDDIN		8
5.	BIKASH RANJAN KAMILA		10
6.	BIKASH PRUSTI		10
7.	HARIHAR GIRI		10
8.	CHANDAN GIRI		10
9.	HIMANSHU SETHI		10
10.	SITANSHU JENA		10

### 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?

No

No documents uploaded by the school.

### 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

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
2.	GOURANGA CHARAN ROUT	routgourangacharan91@gmail.com
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5.	RAJKISHOR BARIK	routgourangacharan91@gmail.com

#### Students

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2.	TAPAS ROUT		8
3.	MAIRAJ SAHA		8
4.	MAN TAJ SAHA		8
5.	BIKASH RANJAN KAMILA		10
6.	HARIHAR GIRI		10
7.	CHANDAN GIRI		10
8.	HIMANSHU SETHI		10
9.	BIKASH PRUSTI		10
10.	OKILUDDIN SAHA		10

### 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)	300
Ground coverage area	200
Green landscaped area on-ground	100
Surface parking area	0
Play area that is paved/ concrete on ground	200
Play area that has grass on ground	200
Service Area on ground	200
Roof and terrace area	0
Green cover on exposed roof & terrace	200
Total built up/constructed area	500
Total no. of floors	8
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	0	0	0
Animals	0	0	0

### Task 4: Find out if your school uses pesticides

4

Do you use chemical based pesticides in your school green cover?

No

No documents uploaded by the school.



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
2.	JANMEJAY ANDIA	routgourangacharan91@gmail.com
3.	GORANGA CHARAN ROUT	routgourangacharan91@gmail.com

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3.	MAN TAJ SAHA		8
4.	OKIL SAHA		8
5.	MAIRAJ SAHA		8
6.	HARIHAR GIRI		10
7.	BIKASH RANJAN KAMILA		10
8.	BIKASH PRUSTI		10
9.	CHANDAN GIRI		10
10.	HIMANSHU SETHI		10

### 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	500
Toilet flushing	1
Personal cleaning	0
Washing clothes	0
Cooking	1
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	0
Gardening	1
Total	503

### 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?	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?	No
Has your school initiated any water conservation steps in the school or outside, in the past one year?	No
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?

No

6(a)

Calculate your school's rainwater harvesting potential (in litres).

500

### 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?	No
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?	No
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?	No
Is there sufficient light during day time?	No

8 How many drinking water taps do you have?

1

9 How many hand pumps do you have?

1

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

0

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

	Girls	Boys	Common	Total
Number of toilets	1	0	0	1

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

1

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?

No

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 gardening and horticulture

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	ABHIRAM KAMILA	routgourangacharan91@gmail.com
2.	GORANGA CHARAN ROUT	routgourangacharan91@gmail.com
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4.	MANTAJ SAHA		8
5.	OKIL SAHA		8
6.	BIKASH RANJAN KAMILA		10
7.	BIKASH PRUSTI		10
8.	HARIHAR GIRI		10
9.	CHANDAN GIRI		10
10.	HIMANSHU SETHI		10

### 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	1	0	0	0	1
Playgrounds	4	1	1	1	1
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	4	1	1	1	1
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	4	1	1	1	1
Toilets	4	1	1	1	1
Others	0	0	0	0	0
Total	17	4	4	4	5

No documents uploaded by the school.

### 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	0
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0

Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1

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)				
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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?

Don't know

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	0
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	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)	10	5	5

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	1	1	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	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	0	0	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?

No

## Task 6: School's initiatives

12

Does the school have a policy on waste?

No

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

No

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?

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

2014

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?

yes

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?

Yes

9(a)

If yes, please share your suggestions.

Good

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?

Once

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?

No

13(a)

If no, why?

Not

### Checklist of uploaded documents

1. Pictures of playground with more than two dustbins