

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO-2 CUTTACK

,ODISHA

Address: MADHUPATNA, NUAPADA, CUTTACK,

Cuttack, Odisha, India

Coordinator Name: Mr.Bhabagrahi Sanibigraha



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

KENDRIYA VIDYALAYA NO-2 CUTTACK ,ODISHA

2 Address

MADHUPATNA, NUAPADA, CUTTACK, Cuttack, Odisha, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 671 (NUMBER) 2341555

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9437111033

5 Principal Name

Mr. DILLIP KUMAR TRIPATHY

6 GSP Coordinator Name

Mr.Bhabagrahi Sanibigraha

GSP Coordinator Email

bsbgrh@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9437828280

Category Of The School

Day Scholar

School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:10

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	291	247	538
Teachers	9	6	15
Non-Teaching Staff	5	0	5
TOTAL	305	253	558

4(b) How many visitors visit your school

25

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

220

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

July

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email	
1.	B.Sanibigraha	B.Sanibigraha	
2.	T.K.Swain	tusarswain27@gmail.com	
3.	Adikanda Nayak	adikinu@gmail.com	

Administrative staff

Sno.	Name	Email
1.	Dillip Kumar Tripathy	dillipreena@gmail.com
2.	Jitendra Behera	radharanigobinda@gmail.com
3.	P.C.Panda	pcpandapurna@gmail.com
4.	Niranjan Nayak	nayakniranjan1963@gmail.com
5.	S.K.Nayak	nayakkvcbt@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Om Prakash Bisoi	omprakashbisoi1@gmail.com	9
2.	Krityranjan Panda	smkritysparkz123@gmail.com	10
3.	Sayama Kashyap	sayamaseerat15@gmail.com	10
4.	Aditya Sekhar Samal	adityasekhark.v16acpt2016@gmail.com	9
5.	Biswaranjan Khatua	biswaranjankhatua4@gmail.com	9
6.	Teswatanaya Dash	teshwatanayadash1@gmail.com	9
7.	Binay Kumar Behera	binaya.sipu28@gmail.com	9
8.	Somya Prakash	somyaprakash141@gmail.com	9
9.	Sourabh Kumar Lenka	sourabh2002@gmail.com	9
10.	Satyajit Pal	palsatyajit986@gmail.com	9

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

1

How many classrooms does your school have?

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	33.75	5.50	16.30
Class II	33.75	5.50	16.30
Class III	33.75	5.50	16.30
Class IV	33.75	5.50	16.30
Class V	33.75	5.50	16.30
Class VI	33.75	5.50	16.30
Class VII	33.75	5.50	16.30
Class VIII	33.75	5.50	16.30
Class IX	33.75	5.50	16.30
Class X	33.75	5.50	16.30
TOTAL	337.50	55.00	

Task 3: How eco-friendly are the vehicles in your school?

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?

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	15	4	1	20
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	50	0	0	50

Taxi three-wheeler	100	2	0	102
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	5	2	7
Bicycle	300	0	2	302
On foot	73	1	0	74
Others (non-motorised)	0	0	0	0
SUB-TOTAL	538	15	5	558

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



Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

If No, is there an air quality monitoring station (private or government) close to your school?

No

6(a)



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	B.SANIBIGRAHA	bsbgrh@gmail.com
2.	T.K. Swain	tusarswain27@gmail.com
3.	Adikanda Nayak	adikinu@gmail.com

Administrative staff

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3.	S.K.Nayak	nayakkvcbt@gmail.com
4.	Niranjan Nayak	nayakniranjan1963@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Krity Ranjan Panda	smkritysparkz123@gmail.com	10
2.	Satyajit Pal	palsatyajit986@gmail.com	9
3.	Biswaranjan Khatua	biswaranjnakhatua4@gmail.com	9
4.	Sayama Kashyap	sayamaseerat15@gmail.com	10
5.	Binaya kumar Behera	binaya.16@gmail.com	10
6.	Baby Avipsa	babyavipsa@gmail.com	9
7.	Pujarani	sibaswain0@gmail.com	9
8.	Priyadarsini panda	alishapanda54@gmail.com	9
9.	Teswatanaya Dash	teshwatanayadash1@gmail.com	9
10.	Aditya Sekhar Samal	adityasekhark.v16acpt2016@gmail.com	9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

No documents uploaded by the school.

No

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)	895	3222.00	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	895.00	3222.00	

Supporting Documents

1. scan0001.pdf

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	1.5tonnes	3

Refrigerator	1	165litres	4
Microwave	0	Owatts	0
Tube Lights	70	40watts each	0
CFL Bulbs	30	20watts each	0
LED Lights	0	Owatts	0
Fans	70	60watts each	0

Task 3: Is your school using any renewable sources of energy?

What is the average number of sunny days in your area?

280

Are there any alternate sources of energy employed/installed in your school?

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	B.Sanibigrah	bsbrgh@gmail.com
2.	Adikanda Nayak	adikinu@gmail.com
3.	T.K.Swain	tusarswain@gmail.com

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5.	Biswaranjan Khatua	biswaranjnakhatua4@gmail.com	9
6.	Om Prakash Bisoi	omprakashbisoi.1@gmail.com	9
7.	Sayama Kashyap	sayamaseerat15@gmail.com	10
8.	Binaya Kumar Behera	binaya.16@gmail.com	9
9.	Pujarani Swain	sibsswain0@gmail.com	9
10.	Priyadarsini Panda	alishapanda54@gmail.com	9

Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

Supporting Documents

1. Tiffin Box.JPG

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

550.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

50.00

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

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

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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.

Does your school serve tradit	tional Indian snacks?
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No

Does your school serve traditional Indian beverages?

No

Task 4: What kind of food does your school promote?

Does the school distribute packaged food items as rewards during schools events?

Yes

6(a) Please provide details

MUNCH CHOCOLATES

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

Yes

7(a) Please provide the names?

MUNCH CHOCOLATES

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

No

No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	B.Sanibigrah	bsbgrh@gmail.com
2.	T.K.Swain	tusarswain27@gmail.com
3.	Adikanda Nayak	adikinu@gmail.com

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Students

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2.	Priyadarsini Panda	alishapanda54@gmail.com	9
3.	Pujarani Swain	sibaswain0@gmail.com	9
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8.	Satyajit Pal	palsatyajit986@gmail.com	9
9.	Aditya Sekhar Samal	adityasekhark.v16acpt2016@gmail.com	9
10.	Om Prakash Bisoi	omprakashbisoi1@gmail.com	9

Task 2: Measure the four critical areas of your school campus

Complete the table:

	Your school's area
Site area in square meter (m2)	120,000

Ground coverage area	60,000
Green landscaped area on-ground	20,000
Surface parking area	0
Play area that is paved/ concrete on ground	1,000
Play area that has grass on ground	3,000
Service Area on ground	500
Roof and terrace area	1,000
Green cover on exposed roof & terrace	2,000
Total built up/constructed area	6,000
Total no. of floors	1
Others	0

Task 3: Explore the number of species of plants and animals in your school

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	30	10	40
Animals	0	0	0

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. Greenery.JPG
- 2. Landscape Area.jpg
- 3. Greenery.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	B.Sanibigraha	bsbgrh@gmail.com
2.	T.K.Swain	tusarswain27@gmail.com
3.	Adikanda Nayak	adikinu@gmail.com

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10.	Aditya Sekhar Samal	adityasekhark.v16acpt2016@gmail.com	9

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	600

Toilet flushing	200
Personal cleaning	200
Washing clothes	20
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	30
Gardening	200
Total	1250

Task 3: What are the sources, supply and storage of water in your school

Where does the water your school uses, come from?

Ground water

Who supplies the water in your school?

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

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?

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

Task 5: Does your school harvest rainwater?

Do you have Rainwater harvesting (RWH) system in your school?

No

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

1000

Task 6: Are the plumbing and sanitation facilities in your school adequate?

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

Yes

How many drinking water taps do you have?

5

How many hand pumps do you have?

0

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

12

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

	Girls	Boys	Common	Total
Number of toilets	3	3	0	6

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

5

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

2

ls there a water storage system in place to supply water in the toilets?

Yes

ls the water supply sufficient?

Yes

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?

Does your school treat wastewater?

No

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.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	B.Sanibigrah	bsbgrh@gmail.com
2.	T.K.Swain	tusarswain27@gmail.com
3.	Adikanda Nayak	adikinu@gmail.com

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9.	Binaya Kumar Behera	binaya.16@gmail.com	9
10.	Sourabh Kumar Lenka	sourabh2002@gmail.com	9

Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

Yes

Who segregates the waste at source?

- 1. Students and teachers
- 2. Gardener

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	7	1	4	2	0
Common area (e.g. reception, corridors)	7	0	4	3	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	3	0	2	1	0
Others	0	0	0	0	0
Total	22	1	15	6	0

Supporting Documents

- 1. 1 Play Ground with dust bin.JPG
- 2. 2 Play gound with dust bin.JPG
- 3. Class room with dust bin.JPG

Task 3: How much waste does your school generate?

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	20

Kitchen waste	0
Paper	3
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	3
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	26

Task 4: How much waste does your school recycle/treat?

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

Does your school encourage students & teachers to reuse textbooks?

Yes

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)	×	×	✓	×

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	1	1	
Washing machines	0	0	
Air conditioners	3	3	
Heaters	0	0	
Microwaves	0	0	

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

11

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

No documents uploaded by the school.

Who collects your e-waste, when not in working condition?

Kabadiwalla/ Scrapdealer

Task 6: School's initiatives

Does the school have a policy on waste?

Yes

Policy document

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

Yes

Supporting Documents

1. Adol.JPG

13a What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



FEEDBACK

Has your school participated in the Green Schools Programme (GSP) Audit before?

No

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

No

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

What would be the help required to make your school a Green School?

Plantation programme by the students

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

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Could you finish all the tasks in given period of time online?

Yes

How many times did you contact the Green Schools Programme Team for guidance and counseling?

Never

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

Did your students enjoy doing the Water activities?

Yes

How many students were involved in the activities?

Checklist of uploaded documents

- 1. Electricity Bill
- 2. Photographs of lunch boxes

40.00

- 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 various school initiatives e.g. rally, debate, street play, art competition, etc