



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: SATYANARAYAN H.S.
Address: AT- JAMUNAKOTE, PO-JAMUNAKOTE,
KAMAKHYANAGAR, Dhenkanal, Odisha,
India
Coordinator Name: SANTANU KUMAR DASH



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

SATYANARAYAN H.S.

2

Address

AT- JAMUNAKOTE, PO-JAMUNAKOTE, KAMAKHYANAGAR, Dhenkanal, Odisha, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 06769 (NUMBER) 211161

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9438576926

5

Principal Name

BIPIN KUMAR NAYAK

6

GSP Coordinator Name

SANTANU KUMAR DASH

7

GSP Coordinator Email

santanukumardash63@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9938838644

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: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	64	60	124
Teachers	5	1	6
Non-Teaching Staff	3	0	3
TOTAL	72	61	133

4(b)

How many visitors visit your school

4

5

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

231

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.	Dipak kumar Behera	Dipak kumar Behera

Administrative staff

Sno.	Name	Email
1.	Ajaya Kumar Sahu	ajayakumarsahu1975@gmail.com
2.	Padmanav Sahoo	

Students

Sno.	Name	Email	Grade/Class
1.	Diptimayee Sahoo		9
2.	Bhagyalaxmi behera		9
3.	Shradhanjali Rout		9
4.	Saismita Sahoo		9
5.	Subhalaxmi Sahoo		9
6.	Parimita Sahoo		9
7.	Aratipriyadarshani Parida		9
8.	Monalisa Khuntia		9
9.	Biswajit Lenka		9
10.	Sudarshan Barik		9

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)
8th	45.00	13.72	30.49

9th	45.00	13.72	30.49
10th	45.00	13.72	30.49
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
TOTAL	135.00	41.16	

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
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	5	2	7
Bicycle	124	0	1	125

On foot	0	1	0	1
Others (non-motorised)	0	0	0	0
SUB-TOTAL	124	6	3	133

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?

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.	Santanu Kumar Dash	santanukumardash63@gmail.com
2.	Dipak Kumar Behera	dipakkumarbehera1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ajayakumar Sahoo	ajayakumarsahu1975@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Subhendu Sekhar Sahoo		9
2.	Ananta Sahoo		9
3.	Satyaprakash Behera		9
4.	Shaktisagar Pani		9
5.	Satyajit Sahoo		9
6.	Niranjan Behera		9
7.	Gyanaranjan Behera		9
8.	Sunil Sahani		9
9.	Soumyaranjan Samal		9
10.	Mrutryunjay Nayak		9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. E. 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)	400	1440.00	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)	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	400.00	1440.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	0	0	0

Microwave	0	0	0
Tube Lights	10	40	3
CFL Bulbs	2	80	3
LED Lights	10	9	4
Fans	25	60	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?

260

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.	Basudev Nayak	basudevnayak1966@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ajaya Kumar Sahu	ajayakumarsahu1975@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Saishree Behera		10
2.	Bishnupriya Jena		10
3.	Meenakshee Sahoo		10
4.	Asha Nayak		10
5.	Sanghamitra Das		10
6.	Parbati Nayak		10
7.	Krishnamanjari Sahoo		10
8.	Madhusmita Sahoo		10
9.	Smitarekha Rout		10
10.	Kalpana Behera		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?

Yes

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

Supporting Documents

1. Cooking survey 1.jpg
2. Cooking survey 2.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Nirakara Panda	nirakarapanda1959@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sisir Kumar Sahoo	

Students

Sno.	Name	Email	Grade/Class
1.	SAISHREE BEHERA		10
2.	BISHNUPRIYA JENA		10
3.	MEENAKSHEE SAHOO		10
4.	ASHA NAYAK		10
5.	PARBATI NAYAK		10
6.	KALPANA BEHERA		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)	10,000
Ground coverage area	1,500
Green landscaped area on-ground	7,000
Surface parking area	500
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	500
Service Area on ground	1,000

Roof and terrace area	1,000
Green cover on exposed roof & terrace	2,000
Total built up/constructed area	1,000
Total no. of floors	10
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	1313	98	1411
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?

Yes

Supporting Documents

1. green coverage.jpg
2. green coverage 2.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	SANTANU KUMAR DASH	santanukumardash63@gmail.com

Administrative staff

Sno.	Name	Email
1.	kailash chandra sahuo	

Students

Sno.	Name	Email	Grade/Class
1.	DEEPAK SAHOO		8
2.	DHARMANDA OJHA		8
3.	PRABHUPRIYAM NAYAK		8
4.	BISWAJIT BEHERA		8
5.	SIPUNA SAHOO		8
6.	SAROJ KUMAR SAHOO		8
7.	GANESH BEHERA		8
8.	SOUMYARANJAN SAHOO		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	120
Toilet flushing	0
Personal cleaning	500
Washing clothes	0
Cooking	600
Cleaning Utensils	1000

Washing Vegetables	10
Mopping floors	30
Gardening	1500
Total	3760

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?

No

4(b)

If supply of water is not daily, please tick the correct option

=1 day

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?	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?	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).

25000

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?	No
Are there sufficient toilets for men in your school?	No
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?

0

9

How many hand pumps do you have?

2

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	1	0	2

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

3

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?

No

16 Are the toilets cleaned?

Yes

16(a) If yes, please specify

Once a day

Task 7: Does your school reuse/recycle waste water?

17 Does your school treat wastewater?

Yes

18 Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Used for gardening and horticulture

Supporting Documents

1. Flow chart.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Basudev Nayak	basudevnayak1969@gmail.com

Administrative staff

Sno.	Name	Email
1.	PADMANAV SAHOO	

Students

Sno.	Name	Email	Grade/Class
1.	IPSITA OUT		8
2.	SMITA BEHERA		8
3.	BARSHARANI SAHOO		8
4.	SONALI NAYAK		8
5.	SIPA POI		8
6.	SUMITRA BEHERA		8
7.	RAJLAXMI NAYAK		8
8.	MONALISHA SAHOO		8

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 Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more

Classrooms	3	0	3	0	0
Playgrounds	1	1	0	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	1	0	1	0	0
Total	9	1	8	0	0

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	.5
Paper	.1
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)

1.6

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

Supporting Documents

1. Dustbin use.jpg

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 purposes

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?

Open dumping

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	0	0	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)	2	2	0
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	1	1	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0	0	0

Supporting Documents

1. Lab photo.jpg

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?

Yes

Policy document

13

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

Yes

Supporting Documents

1. Rally.jpg

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?

Sufficient water supply & water harvesting project

8

How would you rate the overall design of the audit?

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

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?

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?

No

12(a)

If no, please share your suggestions?

recycle of water is not possible due to insufficiency of water in our school

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

10.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
6. Pictures of Electronic items used by school and storage of non-working electronic items
7. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc