

Responses for Green Schools Programme Audit 2016

School Name: B.C. HIGH SCHOOL, RANPUR

Address: RANPUR, RAJ RANPUR, NAYAGARH,

Nayagarh, Odisha, India

Coordinator Name: BIRANCHI NARAYAN TRIPATHY



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

B.C. HIGH SCHOOL, RANPUR

2 Address

RANPUR, RAJ RANPUR, NAYAGARH, Nayagarh, Odisha, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 06755 (NUMBER) 236052

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 7854055780

5 Principal Name

SMT. BANALATA BEHERA

6 GSP Coordinator Name

BIRANCHI NARAYAN TRIPATHY

GSP Coordinator Email

b.n.tripathy1959@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 8763491307

Category Of The School

Day Scholar

School Shifts

Both

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:6 Highest level of grade:10

ls your school single gender or mixed gender?

Mixed/Co-education

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

Total permanent population of the school

	Male	Female	Total
Students	400	193	593
Teachers	6	7	13
Non-Teaching Staff	3	1	4
TOTAL	409	201	610

4(b) How many visitors visit your school

2

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

231

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

Dec

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	B.N. TRIPATHY	B.N. TRIPATHY
2.	B.K.SAHOO	bsnt1969@gmail.com
3.	B.B.TRIPATHY	bchsranpur1946@gmail.com

Administrative staff

Sno.	Name	Email
1.	BANALATA BEHERA	banalatabehera12@gmail.com
2.	BB TRIPATHY	bipinbihari1967@gmail.com
3.	SHATRUGHNA PRADHAN	shatrughnapradhan1981@gmail.com
4.	KALPANA RATH	kalpanarath.lily@gmail.com
5.	SRADHANJALI NANDA	nandasradhanjali@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	MANOJ KU BEHERA	bchsranpur1946@gmail.com	7
2.	MANISH MAHARANA	bchsranpur1946@gmail.com	7
3.	MANORANJAN BARIK	bchsranpur1946@gmail.com	7
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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 vi a	22.00	6.00	27.27
class vi b	22.00	6.00	27.27
class vii a	22.00	6.00	27.27
class vii b	22.00	6.00	27.27
class viii a	24.00	8.00	33.33
class viii b	24.00	8.00	33.33
class ix a	36.00	14.00	38.89
class ix b	36.00	14.00	38.89
class x a	40.00	18.00	45.00
class x b	50.00	22.00	44.00
TOTAL	298.00	108.00	

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	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	4	0	4
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	11	2	13
Bicycle	450	0	0	450
On foot	143	0	0	143
Others (non-motorised)	0	0	0	0
SUB-TOTAL	593	15	2	610

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



3

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.	SAGARIKA NIBAS	sagarikanibas01@gmail.com
2.	BN TRIPATHY	b.n.tripathy1959@gmail.com
3.	BIPIN BIHARI TRIPATHY	bipibbihari1967@gmail.com

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Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

- 1. SCHOOL ELECTRY BILL.pdf
- 2. SCHOOL ELECTRY BILL.pdf
 - 2 Does your school have its own vehicles?

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)	638	2296.80	5
Electricity from generator (diesel) (litres)	10	456.00	2
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)	80	1408.00	1
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	90	4644.00	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	818.00	8804.80	

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	40	60	4
CFL Bulbs	10	20	3
LED Lights	0	0	0
Fans	25	1500	4

No documents uploaded by the school.

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

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

0

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.	BIPIN BIHARY TRIPATHY	bipibbihari1967@gmail.com
2.	BIRANCHI NARAYAN TRIPATHY	b.n.tripathy1959@gmail.com
3.	BASANTA KU SAHOO	bsnt1969@gmail.com

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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

Yes

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

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	5	100	7
Instant Noodles like Knorr, Cup-a- noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	4	70	7
Potato fries and Burgers	2	80	7
Confectionery items (chocolate, candies, gums)	6	150	7
Ice-cream	5	180	7
Carbonated beverages	2	50	7
Sugar sweetened noncarbonated beverages	3	80	7
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	6	150	7
Packaged/Bottled Energy Drinks	3	160	7

No documents uploaded by the school.

Does your school serve traditional Indian snacks?

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?

No

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

No

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

No



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	BANALATA BEHERA	banalatabehera12@gmail.com
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Task 2: Measure the four critical areas of your school campus

Complete the table:

1

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Site area in square meter (m2)	12,025
Ground coverage area	1,510
Green landscaped area on-ground	8,465
Surface parking area	105
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	3,100
Service Area on ground	0
Roof and terrace area	1,665
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,665
Total no. of floors	2
Others	235

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	27	5	32
Animals	12	0	12

Task 4: Find out if your school uses pesticides

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

No



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	BANALATA BEHERA	banalatabehera12@gmail.com
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Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity

Drinking	1200
Toilet flushing	400
Personal cleaning	500
Washing clothes	0
Cooking	500
Cleaning Utensils	300
Washing Vegetables	50
Mopping floors	100
Gardening	1500
Total	4550

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?

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

Does your school get daily water supply?

No

4(b) If supply of water is not daily, please tick the correct option

Every alternate day in a week

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?	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?	Yes
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?

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

No

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

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?	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?	Yes

How many drinking water taps do you have?

6

How many hand pumps do you have?

1

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

3

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

	Girls	Boys	Common	Total
Number of toilets	3	4	0	7

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

4

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

0

Is 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?

Yes

How does your school reuse wastewater?

Gardening, Recharge Ground Water



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	BIPIN BIHARY TRIPATHY	bipibbihari1967@gmail.com
2.	BANALATA BEHERA	banalatabehera12@gmail.com
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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 Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	8	0	8	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	1	0	0	0
Library	1	0	1	0	0
Toilets	1	1	0	0	0
Others	1	1	0	0	0
Total	18	3	15	0	0

No documents uploaded by the school.

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	500
Kitchen waste	150
Paper	60
Plastic	90

Wood, glass, metal, classroom furniture	200	
E-waste	0	
Biomedical waste	0	
Sanitary waste	45	
Construction and Demolition (C & D) waste	200	
Hazardous waste	0	
Total Generated Solid Waste (in kilogram)	1245	

No documents uploaded by the school.

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



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

What is the quantity of compost that is generated per month(in kilogram)?

30.00

What is the purpose of the compost that is generated per month?

For school garden

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	×	×	×	坐
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?

What is the final destination for waste that is disposed of externally?

Designated dumping site (Dhalao)

No documents uploaded by the school.

9 Does your school burn waste?

No

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

	Total	Working conditions	Non-working condition
TVs	0		

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VCR or DVD players	0		
Refrigerators and freezers	0		
Washing machines	0		
Air conditioners	0		
Heaters	0		
Microwaves	0		
Ovens	0		
Toasters	0		
Electric Kettles	0		
Personal computers (CPU, mouse, screen and keyboard included)	13	13	
Laptop computer (CPU, mouse, screen and keyboard included)	0		
Notebook computers	0		
Notepad computers	0		
Printers	1	1	
Copying equipment (Photocopiers)	1	1	
Projectors	1	1	
Whiteboards	1	1	
Electrical & electronic typewriters	0		
Pocket & desk calculators	1	1	
Fax machines	0		
Telex	0		
Telephones	1	1	
Pay telephones	0		
Mobiles	0		
Answering systems	0		

Task 6: School's initiatives

Does the school have a policy on waste?

No

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

Yes

No documents uploaded by the school.

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



FEEDBACK

1	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?

Yes

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?

recycling processes, television, sprinkler and fund required for bio diversity programme

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

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?
	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
	165
13	Did your students enjoy doing the Water activities?
	Yes
13(a)	How many students were involved in the activities?
	350.00

Checklist of uploaded documents

1. Electricity Bill