



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** MAHENDRA HIGH SCHOOL ,  
ATHAMALLIK .

**Address:** AT / PO - ATHAMALLIK, VIA -  
ATHAMALLIK, ANGUL, Anugul, Odisha,  
India

**Coordinator Name:** LOKANATH SAHOO



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**

MAHENDRA HIGH SCHOOL , ATHAMALLIK .

2

**Address**

AT / PO - ATHAMALLIK, VIA - ATHAMALLIK, ANGUL, Anugul, Odisha, India

3

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

(ISD) 91 (STD) 6763 (NUMBER) 254211

4

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

(ISD) 91 (Number) 9556695442

5

**Principal Name**

LABA KISHOR PRADHAN

6

**GSP Coordinator Name**

LOKANATH SAHOO

7

**GSP Coordinator Email**

lokanathls111@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9777099821

9

**Category Of The School**

Day Scholar + Residential

10

**School Shifts**

Morning

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:6

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	350	180	530
Teachers	9	3	12
Non-Teaching Staff	2	2	4
TOTAL	361	185	546

4(b)

How many visitors visit your school

5

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, Sep, Oct

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Santosh Kumar Sitha	Santosh Kumar Sitha
2.	Sudhansu Sekhar Biswal	sudhansubiswal16@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Labakishor Pradhan	labakishorepradhan@gmail.com
2.	Sudhanshu Sekhar Pradhan	mahendrahighschool1947@gmail.com
3.	Bhabani Sankar Mishra	bhabani sankarmm @gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ASIS KUMAR BEHERA	mahendrahighschool1947@gmail.com	9
2.	UPENDRA NAIK	mahendrahighschool1947@gmail.com	9
3.	PRABIN RANA	mahendrahighschool1947@gmail.com	9
4.	SOUMYARANJAN MOHANTY	mahendrahighschool1947@gmail.com	9
5.	JYOTIRANJAN PRADHAN	mahendrahighschool1947@gmail.com	9
6.	RAHUL AGRAWALLA	mahendrahighschool1947@gmail.com	9
7.	ARPITA MAHESWARI SINGH	mahendrahighschool1947@gmail.com	9
8.	ARPITA SWAIN	mahendrahighschool1947@gmail.com	9
9.	ARCHANA SWAIN	mahendrahighschool1947@gmail.com	9
10.	ABHILASH SWAIN	mahendrahighschool1947@gmail.com	10

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

1 How many classrooms does your school have?

10

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)
Class X	84.15	24.68	29.33
Class X	49.60	9.52	19.19
Class IX	49.60	9.52	19.19
Class IX	49.60	9.52	19.19
Class VIII	49.60	9.52	19.19
Class VIII	49.60	9.52	19.19
Class VII	49.60	9.52	19.19
Class VII	49.60	9.52	19.19
Class VI	49.60	9.52	19.19
Computer Room	40.15	4.76	11.86
TOTAL	521.10	105.60	

### 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	8	2	10
Bicycle	350	1	0	351
On foot	180	3	2	185
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>530</b>	<b>12</b>	<b>4</b>	<b>546</b>

### 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.	Sudhansu Sekhar Biswal	sudhansubiswal16@gmail.com
2.	Santosh Sitha	santoshsitha2011@gmail.com
3.	Binodini Pradhan	mahendrahighschool1947@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Labakishor Pradhan	labakishorepradhan@gmail.com
2.	Bhabani Sankar Mishra	bhabani sankarmm @gmail.com
3.	Sudhanshu Shekhar Pradhan	mahendrahighschool1947@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Arpita Maheswari Singh	ashisha.singh@gmail.com	9
2.	B Upasana	mahendrahighschool1947@gmail.com	9
3.	Smrutirekha Ratha	mahendrahighschool1947@gmail.com	9
4.	Archana Swain	mahendrahighschool1947@gmail.com	9
5.	Arpita Swain	mahendrahighschool1947@gmail.com	9
6.	Afrid Mahammad	mahendrahighschool1947@gmail.com	9
7.	Ashish Kumar Behera	mahendrahighschool1947@gmail.com	9
8.	Upendra Naik	mahendrahighschool1947@gmail.com	9
9.	ABHILASH SWAIN	mahendrahighschool1947@gmail.com	10
10.	BALMIKI BISI	mahendrahighschool1947@gmail.com	10

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

1

Does your school have access to an electricity bill?

Yes

## Supporting Documents

1. elect 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)	2.5	9.00	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)	200	3520.00	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	202.50	3529.00	

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	8	40	0
CFL Bulbs	0	0	0
LED Lights	6	9	0
Fans	16	60	0

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?

0

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.	Bimal Chandra Behera	mahendrahighschool1947@gmail.com
2.	Bhabani Sankar Mishra	bhabani sankarmm @gmail.com

#### Administrative staff

Sno.	Name	Email
1.	LABA KISHOR PRADHAN,	labakishorepradhan@gmail.com
2.	Lokanath Sahoo	lokanathls111@gmail.com
3.	Sudhanshu Shekhar Pradhan	mahendrahighschool1947@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ARPITA MAHESWARI SINGH	mahendrahighschool1947@gmail.com	9
2.	B. UPASANA	mahendrahighschool1947@gmail.com	9
3.	SMRUTIREKHA RATHA	mahendrahighschool1947@gmail.com	9
4.	ARCHANA SWAIN	mahendrahighschool1947@gmail.com	9
5.	ARPITA SWAIN	mahendrahighschool1947@gmail.com	9
6.	AFRID MAHAMMAD	mahendrahighschool1947@gmail.com	9
7.	ASISH KUMAR BEHERA	mahendrahighschool1947@gmail.com	9
8.	UPENDRA NAIK	mahendrahighschool1947@gmail.com	9
9.	ABHILASH SWAIN	mahendrahighschool1947@gmail.com	10
10.	BALMIKI BISI	mahendrahighschool1947@gmail.com	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

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Binodini Pradhan	mahendrahighschool1947@gmail.com
2.	Laxman Kumar Sahoo	laxmankumarsahoo81@gmail.com
3.	Swagatika Sahoo	mahendrahighschool1947@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Labakishore Pradhan	labakishorepradhan@gmail.com
2.	Sudhanshu Shekhar Pradhan	mahendrahighschool1947@gmail.com
3.	Bhabani Sankar Mishra	bhabani sankarmm @gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Diptesh Mohapatra	mahendrahighschool1947@gmail.com	8
2.	Subham Dhir	mahendrahighschool1947@gmail.com	8
3.	Anshuman Acharya	mahendrahighschool1947@gmail.com	9
4.	Suman Parichha	mahendrahighschool1947@gmail.com	9
5.	Rasmita Padhan	mahendrahighschool1947@gmail.com	9
6.	Ritanjali Nayak	mahendrahighschool1947@gmail.com	9
7.	Pritimayee Padhan	mahendrahighschool1947@gmail.com	9
8.	Swatikalyani Bahuk	mahendrahighschool1947@gmail.com	8
9.	Lipika Sahoo	mahendrahighschool1947@gmail.com	8
10.	Prakash Naik	mahendrahighschool1947@gmail.com	8

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

1

Complete the table:

	Your school's area
Site area in square meter (m <sup>2</sup> )	29,219

Ground coverage area	2,280
Green landscaped area on-ground	20,235
Surface parking area	0
Play area that is paved/ concrete on ground	70
Play area that has grass on ground	18,000
Service Area on ground	0
Roof and terrace area	213
Green cover on exposed roof & terrace	0
Total built up/constructed area	3,000
Total no. of floors	1
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	30	0	30
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.	Manoranjana Subudhi	subudhimanoranjana1991@gmail.com
2.	Chitrotpala Dash	mahendrahighschool1947@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	LABA KISHOR PRADHAN	labakishorepradhan@gmail.com
2.	Bhabani Sankar Mishra	bhabani sankarmm@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Rajani Naik	mahendrahighschool1947@gmail.com	9
2.	Rojalin Behera	mahendrahighschool1947@gmail.com	9
3.	Sahil Khan	mahendrahighschool1947@gmail.com	9
4.	B Upasana	mahendrahighschool1947@gmail.com	9
5.	Kabita Dehury	mahendrahighschool1947@gmail.com	9
6.	Rahul Agrawalla	mahendrahighschool1947@gmail.com	9
7.	Suman Parichha	mahendrahighschool1947@gmail.com	9
8.	Subham Dhir	mahendrahighschool1947@gmail.com	8
9.	Lipika Sahoo	mahendrahighschool1947@gmail.com	8
10.	Upendra Naik	mahendrahighschool1947@gmail.com	9

### 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	200
Personal cleaning	80

Washing clothes	20
Cooking	200
Cleaning Utensils	100
Washing Vegetables	50
Mopping floors	150
Gardening	200
Total	1500

### 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

2-6 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?	Yes
Does your school use appliances with a quick-wash setting?	No
Are dual flush systems installed in the toilets?	Yes



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).

100

### 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?	No
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?

1

9 How many hand pumps do you have?

3

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

6

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

	Girls	Boys	Common	Total
Number of toilets	0	0	0	0

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

4

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?

Yes

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?

No

18 Does your school reuse the treated wastewater?

No

18(a)

Please specify the fate of wastewater

Wastewater flows directly to the drains

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Binodini Pradhan	mahendrahighschool1947@gmail.com
2.	Bimala Chandra Behera	mahendrahighschool1947@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Labakishor Pradhan	labakishorepradhan@gmail.com
2.	Bhabani Sankar Mishra	bhabani sankarmm @gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Sunita Nayak	mahendrahighschool1947@gmail.com	9
2.	Priyanka Dehury	mahendrahighschool1947@gmail.com	8
3.	Asish Behera	mahendrahighschool1947@gmail.com	9
4.	Sahil Khan	mahendrahighschool1947@gmail.com	9
5.	Balmiki Bisi	mahendrahighschool1947@gmail.com	10

### 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. Housekeeping (Sweeper)
3. Gardener

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	9	5	2	2	0
Playgrounds	3	1	1	1	0
Common area (e.g. reception, corridors)	3	1	1	1	0
Staffroom	2	0	0	2	0
Laboratory	3	0	1	2	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	1	0	1	0	0
Total	25	7	10	8	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	20
Kitchen waste	50
Paper	50
Plastic	10
Wood, glass, metal, classroom furniture	100
E-waste	5
Biomedical waste	5
Sanitary waste	20

Construction and Demolition (C & D) waste	2
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	263

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)?

30.00

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?

Designated dumping site (Dhalao)

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	0	1
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)	17	12	5
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	2	1
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	1	1	0
Telex	0	0	0
Telephones	2	2	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?

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 , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

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?

Adequate Funds & Training to the members.

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?

60.00

**Checklist of uploaded documents**

1. Electricity Bill