



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Montfort School  
**Address:** Sargawan, Post - Sakalo, Ambikapur,,  
Surguja (C.G.), Ambikapur, Surguja,  
Chhattisgarh, India  
**Coordinator Name:** Sr. Punitha Mary



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**

Montfort School

**2 Address**

Sargawan, Post - Sakalo, Ambikapur,, Surguja (C.G.), Ambikapur, Surguja, Chhattisgarh, India

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

(ISD) 91 (STD) 07774 (NUMBER) 241003

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

(ISD) 91 (Number) 9536706171

**5 Principal Name**

Bro. Shaji Joseph

**6 GSP Coordinator Name**

Sr. Punitha Mary

**7 GSP Coordinator Email**

shashank.raai3893@gmail.com

**8 GSP Coordinator Mobile Number**

(ISD)91 (Number) 9826145869

**9 Category Of The School**

Day Boarding

**10 School Shifts**

Morning

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

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?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	681	539	1220
Teachers	12	31	43
Non-Teaching Staff	22	6	28
TOTAL	715	576	1291

4(b)

How many visitors visit your school

10

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?

Oct

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Mamta Tiwari	Mrs. Mamta Tiwari

#### Administrative staff

Sno.	Name	Email
1.	Bro. Pramod Tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Barbie	Shashank.raai3893@gmail.com	9
2.	Anurag Baxla	Shashank.raai3893@gmail.com	10
3.	Vibhuti	Shashank.raai3893@gmail.com	10
4.	Shreya singh rana	Shashank.raai3893@gmail.com	10
5.	Bhagya prabha lakra	Shashank.raai3893@gmail.com	10
6.	Chanchal Bhagat	Shashank.raai3893@gmail.com	9
7.	Kalpana	Shashank.raai3893@gmail.com	10
8.	Khyati singh	Shashank.raai3893@gmail.com	9
9.	Nidhi kujur	Shashank.raai3893@gmail.com	10

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

1 How many classrooms does your school have?

32

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)
1	58.32	13.13	22.51
2	58.32	13.12	22.50

3	58.30	13.12	22.50
4	58.30	13.12	22.50
5	58.30	13.12	22.50
6	58.30	13.12	22.50
7	58.30	13.12	22.50
8	58.32	15.75	27.01
9	58.32	15.75	27.01
10	58.30	15.75	27.02
TOTAL	583.08	139.09	

### 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-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	10	0	0	0	10
No. of vehicles more than five years old	5	0	0	0	5
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	10	0	0	0	10
Parking area (m2)	100	0	0	0	100

No documents uploaded by the school.

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	10	0	00	0	0	0

Car	0	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	0	0	0	0	0
<b>SUB-TOTAL</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### Supporting Documents

1. IMG\_0718.JPG

## 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	700	24	0	724
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	300	0	0	300
Taxi three-wheeler	60	0	0	60
Personal four-wheeler	5	0	0	5
Personal two-wheeler	50	20	0	70
Bicycle	70	0	0	70
On foot	35	0	6	41
Others (non-motorised)	0	0	21	21
<b>SUB-TOTAL</b>	<b>1220</b>	<b>44</b>	<b>27</b>	<b>1291</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.	Mrs. Seema singh	Shashank.raai3893@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Promod tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Aayush jaiswal	Shashank.raai3893@gmail.com	9
2.	Roshan singh painkra	Shashank.raai3893@gmail.com	9
3.	Nayasha tiwari	Shashank.raai3893@gmail.com	9
4.	Sindhya sagar	Shashank.raai3893@gmail.com	9
5.	Nitish singh baghel	Shashank.raai3893@gmail.com	9
6.	Jyotish ranjan	Shashank.raai3893@gmail.com	9
7.	Aakash tiwari	Shashank.raai3893@gmail.com	9
8.	Prateek shrivastav	Shashank.raai3893@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.

2 Does your school have its own vehicles?

Yes

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)	1000	3600.00	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	100	4670.00	4
Diesel (litres)	4237	193207.20	4
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)	70	3612.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	5407.00	205089.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	1.5	3
Refrigerator	2	20	3
Microwave	0	0	0
Tube Lights	215	20	3
CFL Bulbs	100	20	3
LED Lights	0	0	0

Fans	340	75	3
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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?

290

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.	Mrs. Neha singh	Shashank.raai3893@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Promod tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Ajanti bhagat	Shashank.raai3893@gmail.com	10
2.	Meenal ekka	Shashank.raai3893@gmail.com	10
3.	Megha	Shashank.raai3893@gmail.com	10
4.	Hansa sikadar	Shashank.raai3893@gmail.com	10
5.	Alok vishwakarma	Shashank.raai3893@gmail.com	10
6.	Gaurav kapde	Shashank.raai3893@gmail.com	10
7.	Prakhar shrivastava	Shashank.raai3893@gmail.com	10
8.	Maria tirkey	Shashank.raai3893@gmail.com	10
9.	Aaditya yadav	Shashank.raai3893@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?

No

2(a)

Do students bring their own lunch from home?

Yes

## Supporting Documents

1. IMG\_0713.JPG

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

1200.00

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

0.00

2(a)(3) 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

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?

Yes

7(a) Please provide the names?

Munch

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

No

#### Supporting Documents

1. IMG\_0713.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Mamta Singh	Shashank.raai3893@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Promod tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Sanskriti singh chandel	Pratima07774@gmail.com	8
2.	Sarthak warade	Warade.sarthak@gmail.com	8
3.	Alice kujur	Shashank.raai3893@gmail.com	8
4.	Alisha toppo	Toppoally@gmail.com	8
5.	Ally toppo	Shashank.raai3893@gmail.com	8
6.	Alisha ananya bara	Vimalbara55@gmail.com	8
7.	Aman yadav	Shashank.raai3893@gmail.com	8
8.	Amresh	Shashank.raai3893@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 (m2)	12,156
Ground coverage area	10,300
Green landscaped area on-ground	1,756
Surface parking area	100
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0

Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,319
Total no. of floors	3
Others	2

### 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	5	0	5
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

#### Supporting Documents

1. IMG\_0716.JPG
2. IMG\_0711.JPG



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Santosh Sinha	Shashank.rai3893@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Promod tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Aayush chaturvedi	Aayushchaturvedi2304@gmail.com	10
2.	Sandhaya verma	Shashank.rai3893@gmail.com	10
3.	Rani khushwaha	Shashank.rai3893@gmail.com	9
4.	Kritika gupta	Shashank.rai3893@gmail.com	9
5.	Iffat parveen	Shashank.rai3893@gmail.com	9
6.	Rahul vishwas	Shashank.rai3893@gmail.com	9
7.	Aayushman jaiswal	Shashank.rai3893@gmail.com	10
8.	Abhisekh patel	Shashank.rai3893@gmail.com	9
9.	Dipesh xaxa	Shashank.rai3893@gmail.com	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	500
Personal cleaning	100
Washing clothes	50
Cooking	50



Cleaning Utensils	100
Washing Vegetables	10
Mopping floors	30
Gardening	160
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

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?	Yes
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?	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?	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)	Yes

### Supporting Documents

1. IMG\_0714.JPG

## 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?	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
Is there sufficient light during day time?	Yes

8

How many drinking water taps do you have?

24

9 How many hand pumps do you have?

0

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

16

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

	Girls	Boys	Common	Total
Number of toilets	56	56	0	112

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

56

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?

Yes

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Nisha shrivastava	Shrivastava.nisha135@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Promod tete	Promodtete@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Ishan aryan bara	Shashank.rai3893@gmail.com	10
2.	Oj prashad	Shashank.rai3893@gmail.com	10
3.	Saniya begam	Shashank.rai3893@gmail.com	9
4.	Satyam shrivastava	Shashank.rai3893@gmail.com	10
5.	Aastha painkra	Shashank.rai3893@gmail.com	10
6.	Shiny singh	Shashank.rai3893@gmail.com	10
7.	Nikita jangade	Shashank.rai3893@gmail.com	9
8.	Prachi shrivastava	Shashank.rai3893@gmail.com	9

### 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. Housekeeping (Sweeper)

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	32	0	32	0	0
Playgrounds	5	0	5	0	0
Common area (e.g. reception, corridors)	8	0	8	0	0
Staffroom	5	0	5	0	0
Laboratory	4	0	4	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	16	0	16	0	0
Others	10	0	10	0	0
Total	82	0	82	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	20
Kitchen waste	30
Paper	7
Plastic	9
Wood, glass, metal, classroom furniture	2
E-waste	1
Biomedical waste	3
Sanitary waste	50
Construction and Demolition (C & D) waste	25
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

147

### Supporting Documents

1. IMG\_0726.JPG

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

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	50
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 (in kilogram)	50

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)?

50.00

5c

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

For school garden

6

Does your school encourage students &amp; teachers to reuse textbooks?

No

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)

**Supporting Documents**

1. IMG\_0721.JPG

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Paper

10

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

	Total	Working conditions	Non-working condition
TVs	4	4	0
VCR or DVD players	0	0	0
Refrigerators and freezers	2	2	0
Washing machines	1	1	0
Air conditioners	2	2	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)	55	49	6

Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	1	1	0
Projectors	17	17	0
Whiteboards	17	17	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	6	6	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	3	3	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?

Yes

No documents uploaded by the school.

11a

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

Kabadiwalla/ Scrapdealer

## 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

14

Is the study of the environment integrated into the curriculum?

Yes

### Supporting Documents

1. IMG\_0720.JPG



## 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?

A proper care and an initiative should be taken by each individual to bring the change in oneself

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?

Twice

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?

9.00

### Checklist of uploaded documents

1. Picture of School owned vehicles
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
6. Picture of audit team weighing solid waste
7. Picture of types of solid waste generated
8. Pictures of housekeeping staff disposing different types of solid waste
9. Pictures of respective audit teams doing survey