



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** MONTFORT INTEGRATED  
EDUCATIONAL CENTRE

**Address:** TAKLI, VILLAGE - PATANSAWANGI,  
TAH: SAONER, DISTRICT - NAGPUR ,  
SAONER, NAGPUR, Maharashtra, India

**Coordinator Name:** Bro. Sebastian K



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 INTEGRATED EDUCATIONAL CENTRE

2

**Address**

TAKLI, VILLAGE - PATANSAWANGI, TAH: SAONER, DISTRICT - NAGPUR , SAONER, NAGPUR, Maharashtra, India

3

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

(ISD) 91 (STD) 0712 (NUMBER) 000000

4

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

(ISD) 91 (Number) 8411011446

5

**Principal Name**

Bro. Sebastian K

6

**GSP Coordinator Name**

Bro. Sebastian K

7

**GSP Coordinator Email**

miecnagpur@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 8411011446

9

**Category Of The School**

Day Scholar + Residential

10

**School Shifts**

Both

## GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:5

Highest level of grade:12

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

Other: 'National Institute of Open Schooling Delhi'

4

Total permanent population of the school

	Male	Female	Total
Students	100	40	140
Teachers	7	6	13
Non-Teaching Staff	3	1	4
TOTAL	110	47	157

4(b)

How many visitors visit your school

10

5

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

290

6

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

Aug, Sep, Oct

7

Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Priya Anthony	Mrs. Priya Anthony
2.	Sr. Mary Lellis	miecnagpur@gmail.com
3.	Mr. Joseph Pinacle	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Bartholome Pasala	miecnagpur@gmail.com
2.	Mr. Atul Tatode	miecnagpur@gmail.com
3.	Mr. Pravin Pawar	miecnagpur@gmail.com
4.	Miss. Trushna Parsutkar	miecnagpur@gmail.com
5.	Mr. Adrian Gomes	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mona A. Philips	miecnagpur@gmail.com	12
2.	Kajal K. Hande	miecnagpur@gmail.com	12
3.	Alex O. Lakra	miecnagpur@gmail.com	9
4.	Shrikant R. Bansod	miecnagpur@gmail.com	8
5.	Vasundhara B. Diyewar	miecnagpur@gmail.com	8
6.	Sonal R. Gedam	miecnagpur@gmail.com	11
7.	Joseph P. Michael	miecnagpur@gmail.com	12
8.	Aakash D. Kalambhe	miecnagpur@gmail.com	10
9.	Diksha M. Thakur	miecnagpur@gmail.com	10
10.	Monali A. Dhanurkar	miecnagpur@gmail.com	12

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

1

How many classrooms does your school have?

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)
Tailoring - Section A	118.00	20.10	17.03
Welding	118.00	20.10	17.03
Motor Mechanic - A	118.00	20.10	17.03
Refrigeration & AC	118.00	20.10	17.03
Electrical - A	118.00	20.10	17.03
Hotel Management	118.00	20.10	17.03
Tailoring - Section B	118.00	20.10	17.03
Motor Mechanic - B	118.00	20.10	17.03
Electrical - B	118.00	20.10	17.03
			0.00
TOTAL	1,062.00	180.90	

### 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	4	0	0	4
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	3	1	4
Bicycle	0	0	0	0
On foot	136	6	3	145
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>140</b>	<b>13</b>	<b>4</b>	<b>157</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.	Bro. Sebastian K	miecnagpur@gmail.com
2.	Mr. Atul Tatode	miecnagpur@gmail.com
3.	Bro. Bartholome	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Bartholome Pasala	miecnagpur@gmail.com
2.	Mr. Pravin Pawar	miecnagpur@gmail.com
3.	Mr. Ramu Khuswah	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Sonal R. Gedam	miecnagpur@gmail.com	10
2.	Vasundhara B. Diyewar	miecnagpur@gmail.com	10
3.	Mangesh K. Kumbhare	miecnagpur@gmail.com	10
4.	Satyam R. Panchbudhe	miecnagpur@gmail.com	10
5.	Sanket S. Gondane	miecnagpur@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. Electricity Bill.jpg

2

Does your school have its own vehicles?

No

	Quantity consumed/monthly average	Energy consumed in Megajoules (MJ)	Type of use
Electricity from the board (kwh)	2076	7473.60	2
Electricity from generator (diesel) (litres)	05	228.00	1
Petrol (litres)	10	467.00	1
Diesel (litres)	150	6840.00	2
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	500	8800.00	1
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	30	108.00	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	1900	98040.00	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	4671.00	121956.60	

### Supporting Documents

1. Fuel Bill.pdf
2. Diesel Bill.pdf
3. Bills for Diesel.jpg



4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	1	2
Refrigerator	2	65	2
Microwave	1	1	2
Tube Lights	60	43	3
CFL Bulbs	85	90	2
LED Lights	5	60	3
Fans	75	90	3

### Supporting Documents

1. Light.jpg

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

5

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

25

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.	Sr. Mary Lellis	miecnagpur@gmail.com
2.	Mr. Gajendra Choudhary	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Bartholome Pasala	miecnagpur@gmail.com
2.	Mr. Praveen Pawar	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Laxmi T. Toppo	miecnagpur@gmail.com	9
2.	Priya B. Gaurkhede	miecnagpur@gmail.com	9
3.	Joseph P. Michael	miecnagpur@gmail.com	10
4.	Joel K. Jose	miecnagpur@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	1	1	10
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

### Supporting Documents

1. Food 1.jpg

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. Survey.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Bro. Sebastian K	miecnagpur@gmail.com
2.	Bro.. Bartholome Pasala	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Atul Tatode	miecnagpur@gmail.com
2.	Mr. Sanju Yadav	miecnagpur@gmail.com
3.	Sr. Nirmal	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Abhishek D. Chaware	miecnagpur@gmail.com	8
2.	Neha S. Pande	miecnagpur@gmail.com	8
3.	Shalu T. Dhurve	miecnagpur@gmail.com	8
4.	Shankar H. Parwar	miecnagpur@gmail.com	8
5.	Shoeb K. Khan	miecnagpur@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)	76,000
Ground coverage area	1,500
Green landscaped area on-ground	25,000
Surface parking area	150
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	10,000

Service Area on ground	3,000
Roof and terrace area	10,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	30,000
Total no. of floors	2
Others	10,000

### 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	25	0	25
Animals	2	0	2

### 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. Land Audit Photo 1.jpg
2. Land Audit Photo 2.jpg
3. Building Plan.jpg
4. Plants One.jpg
5. Plants Two.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Bro. Sebastian K	miecnagpur@gmail.com
2.	Mr. Pravin Pawar	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Bro. Bartholome Pasala	miecnagpur@gmail.com
2.	Mr. Atul Tatode	miecnagpur@gmail.com
3.	Sr. Elizabeth Luguns	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Dipak A. Hatewar	miecnagpur@gmail.com	9
2.	Durgesh R. Chikhale	miecnagpur@gmail.com	9
3.	Saurabh G. Kavadkar	miecnagpur@gmail.com	9
4.	Purushottam M. Dhabale	miecnagpur@gmail.com	9
5.	Nikhil A. Dehariya	miecnagpur@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	400
Toilet flushing	800
Personal cleaning	1600
Washing clothes	1000
Cooking	500
Cleaning Utensils	1600

Washing Vegetables	150
Mopping floors	250
Gardening	2000
Total	8300

### 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?	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?	No



Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

### Supporting Documents

1. Water1.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).

800000000

### 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?

9

9 How many hand pumps do you have?

2

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	6	14	5	25

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

14

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

2

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

No

15 Is the water supply sufficient?

Yes

16 Are the toilets cleaned?

Yes

16(a) If yes, please specify

Twice 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?

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.	Mr. Pravin Pawar	miecnagpur@gmail.com
2.	Sr. Nirmala	miecnagpur@gmail.com
3.	Mr. Gajendra Choudhry	miecnagpur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Atul Tatode	miecnagpur@gmail.com
2.	Bro. Bartholome Pasala	miecnagpur@gmail.com
3.	Mr. Machaiya	miecnagpur@gmail.com
4.	Mr. Ramu Khuswah	miecnagpur@gmail.com
5.	Mr. Lande	miecnagpur@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Mamta N. Uike	miecnagpur@gmail.com	9
2.	Shalu T. Dhurve	miecnagpur@gmail.com	9
3.	Vinod kumar T. Ahke	miecnagpur@gmail.com	9
4.	Vishal H. Dehariya	miecnagpur@gmail.com	9
5.	Ravindra Y. Bobade	miecnagpur@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. Students and teachers
2. Gardener

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	9	0	9	0	0
Playgrounds	4	0	4	0	0
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	0	0	0	0	0
Toilets	4	0	4	0	0
Others	0	0	0	0	0
Total	25	0	25	0	0

### Supporting Documents

1. Dustbin Placement and Poster for Waste.jpg
2. Dustbin Placings.jpg
3. Audit Team In .jpg

### Task 3: How much waste does your school generate?

	Collection per month (Frequency may differ)
--	---

Garden/ horticulture waste	250
Kitchen waste	600
Paper	5
Plastic	2
Wood, glass, metal, classroom furniture	100
E-waste	2
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	20
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	981

### Supporting Documents

1. Food Waste Utilised By Birds.jpg
2. Poster Display for Food Waste.jpg
3. Poster Information of Cleanliness Promotion.jpg
4. Types of Waste.jpg

### 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?

No

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)	✗	✗	✓	✗

### Supporting Documents

1. Cleanliness 2.pdf

## 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. Audit Team In .jpg
2. Audit Survey 1 a.jpg
3. Disposal of Food Waste.jpg
4. Food Waste Utilised By Birds.jpg

9

Does your school burn waste?

Yes

## Supporting Documents

1. Audit Survey 1 a.jpg
2. Poster Information of Cleanliness Promotion.jpg
3. Poster Display for Food Waste.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

PlasticPaper

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	1	1	0
Heaters	1	1	0
Microwaves	1	1	0
Ovens	1	1	0
Toasters	2	2	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	25	25	0
Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	4	0



Copying equipment (Photocopiers)	0	0	0
Projectors	4	4	0
Whiteboards	6	6	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	5	5	0
Answering systems	0	0	0

## Supporting Documents

### 1. Electronic Items .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?

No

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?

By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

No

### Supporting Documents

1. Food Waste Utilised By Birds.jpg
2. Audit Team In .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?

Implementation of a program in a phased manner which will be more appropriate to implement. Though this audit has been very interesting, and it reflects the shortcomings.

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?

5.00

### Checklist of uploaded documents

1. Fuel Bills
2. Picture of School owned vehicles
3. Electricity Bill
4. Picture of 5 star appliances used by school
5. Picture of Mid-day meal being served
6. Picture of Canteen selling UPPF
7. Traditional food items sold in canteen
8. Pictures of Events sponsored by UPPF companies
9. Pictures of Green Cover
10. Pictures of landscaped area
11. Building construction plan
12. Pictures of dustbins in classroom showing segregation at source
13. Pictures of playground with more than two dustbins
14. Picture of types of solid waste generated
15. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
16. Pictures of housekeeping staff disposing different types of solid waste
17. Pictures of burning waste
18. Pictures of Electronic items used by school and storage of non-working electronic items
19. Waste Policy

20. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
21. Pictures of respective audit teams doing survey