



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** MONTFORT INTER COLLEGE  
**Address:** MAHANAGAR, LUCKNOW, LUCKNOW,  
LUCKNOW, Uttar Pradesh, India  
**Coordinator Name:** NINA KAREN DASS



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 INTER COLLEGE

2 Address

MAHANAGAR, LUCKNOW, LUCKNOW, LUCKNOW, Uttar Pradesh, India

3 Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0522 (NUMBER) 2321362

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8081710552

5 Principal Name

REV BRO JOY THOMAS

6 GSP Coordinator Name

NINA KAREN DASS

7 GSP Coordinator Email

NINA.DASS@YAHOO.COM

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9235560444

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:1

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?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	1680	480	2160
Teachers	60	38	98
Non-Teaching Staff	30	10	40
TOTAL	1770	528	2298

4(b)

How many visitors visit your school

25

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?

Sep, Oct

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Nina Dass	Nina Dass

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.com
2.	Bro Joji Joseph	montfortlucknow@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Tushar Gupta	tushar.gupta28@yahoo.in	10
2.	Shubh Verma	-	10
3.	Ambar Rizvi	-	10
4.	Vishwa Pratap Singh	-	10
5.	Yusuf Khan	-	9
6.	Ujjwal Shaw	-	9
7.	Venkatesh	-	9

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

1 How many classrooms does your school have?

48

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 10 Sections b	48.84	13.76	28.17
Class 9 Section c	48.36	13.61	28.14
Class 8 Section a	47.01	13.55	28.82

Class 7 Section b	44.83	12.05	26.88
Class 6 Section d	50.16	13.61	27.13
Class 5 Section b	44.77	12.03	26.87
Class 4 Section b	42.77	14.55	34.02
Class 3 Section b	44.20	13.77	31.15
Class 2 Section b	41.77	12.30	29.45
Class 1 Section b	44.70	12.00	26.85
<b>TOTAL</b>	<b>457.41</b>	<b>131.23</b>	

### 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	40	2	0	42
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	180	04	12	196
Taxi four-wheeler	536	0	0	536
Taxi three-wheeler	219	3	09	231
Personal four-wheeler	0	15	0	15
Personal two-wheeler	26	20	03	49
Bicycle	610	0	21	631
On foot	180	5	2	187
Others (non-motorised)	410	1	0	411

SUB-TOTAL	2201	50	47	2298
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### Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

15

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.	Nina Dass	NINA.DASS@YAHOO.COM

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.in
2.	Bro Joji Joseph	montfortlucknow@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Aditya Agarwal	-	12
2.	Divyank Srivastava	-	12
3.	Rishi Tiwari	-	11
4.	Priyam Awasthi	-	11
5.	Naman Jaiswal	-	12

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

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. Doc image2.jpg
2. Doc image3.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)	6898	24832.80	1,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	200	9340.00	1
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)	28.4	1465.44	3,5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	7126.40	35638.24	

## Supporting Documents

1. Doc image1.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	5	1.5	0
Refrigerator	1	250	2
Microwave	0	0	0
Tube Lights	144	22	0



CFL Bulbs	5	15	0
LED Lights	0	0	0
Fans	170	70	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?

340

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.	NINA DASS	NINA.DASS@YAHOO.COM

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.in
2.	Bro Joji Joseph	montfortlucknow@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Shashwat Sinha		10
2.	Prakhar Saxena	-	10
3.	Ankur Dass	-	10
4.	Gaurav Mehta		10
5.	Shikhar Kumar	-	9
6.	Aviral	-	9

### 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

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

#### Supporting Documents

1. images.jpg
2. index.jpg

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

424.00

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

25.00

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	2	36	9
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	2	840	9
Confectionery items (chocolate, candies, gums)	0	0	0
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	1	62	9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

### Supporting Documents

1. images.jpg

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	1,200
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

4(b) Give descriptions for rare local snacks served in your school:?

Samosas and Ban-samosas are served in the canteen.

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?

Yes

6(a) Please provide details

Toffees and chocolates as well as cakes are distributed.

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

Yes

7(a) Please provide the names?

During the annual fest sandwiches, burgers, cakes and soft drinks are served.

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

No

## Supporting Documents

1. DSC03942.JPG
2. DSC03964.JPG
3. DSC03966.JPG
4. DSC03945.JPG
5. DSC03942.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Nina Dass	NINA.DASS@YAHOO.COM

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.in
2.	Bro Joji Joseph	montfortlucknow@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Prathmesh Srivastava	kumar.pks19@gmail.com	10
2.	Ansh Anand Mishra	-	10
3.	Sanchit Agrwal	-	10
4.	Mihir Srivastava	-	10
5.	Ajaml Beigh	-	10
6.	Jayendra Awasthi	-	10
7.	Kishor Verma	-	9

### 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)	9,971
Ground coverage area	6,122
Green landscaped area on-ground	6,122
Surface parking area	1,086
Play area that is paved/ concrete on ground	750
Play area that has grass on ground	6,500

Service Area on ground	1,388
Roof and terrace area	3,764
Green cover on exposed roof & terrace	0
Total built up/constructed area	11,000
Total no. of floors	3
Others	625

### 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	5	0	5

### 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. DSC03930.JPG
2. DSC03956.JPG
3. DSC03938.JPG
4. DSC\_8176.JPG
5. rhthgjh.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Nina Dass	NINA.DASS@YAHOO.COM

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.in
2.	Bro Joji Joseph	montfortlucknow@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Achintya Singh	-	10
2.	Pranjal Singh	-	10
3.	Divyansh	-	10
4.	Sujal	-	9
5.	Harshit	-	10
6.	Himanshu	-	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	1.5
Toilet flushing	0.5
Personal cleaning	0.2
Washing clothes	0.1
Cooking	0.1
Cleaning Utensils	0
Washing Vegetables	0



Mopping floors	0.2
Gardening	0.4
Total	3.0000000000000004

### 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, Surface water, Rain water

3 Who supplies the water in your school?

Municipality, 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

13-18 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?	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

### Supporting Documents

1. DSC03962.JPG
2. DSC03961.JPG
3. DSC03960.JPG
4. DSC03959.JPG

## Task 5: Does your school harvest rainwater?

6

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

Yes

6(a)

Does your school harvest different catchments?.

No

6(b)

How does your school harvest rainwater?

Combination of both

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Mopping, Toilets

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

3.00

6(b)(2)(b)

Total number of storage tanks

2.00

6(b)(2)(c)

Location of tanks:

Underground + Over-ground + Semi underground

6(b)(2)(d)

Material options for tanks

Combination of PVC + RCC + Brick

6(c) How much area in your school is harvested?

31 to 40 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Storage tank

6(e) Rate your catchment on cleanliness:

Good

### Supporting Documents

1. DSC\_8176.JPG
2. CfxqXo8WIAEsCKG.jpg

6(f) Does your school clean your catchment and system (structure)?

Yes

6(f)(1) Please specify when does your school clean the catchment and RWH system?

Do not follow any such pattern

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1) Please specify when does your school monitor the groundwater level?

Do not follow any such pattern

6(h) What is the trend of groundwater level in your school across the year?

No change

6(i) If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

Yes

## 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?

69

9 How many hand pumps do you have?

0

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

20

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

	Girls	Boys	Common	Total
Number of toilets	5	6	0	11

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

45

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

3

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?

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.	Nina Dass	NINA.DASS@YAHOO.COM

#### Administrative staff

Sno.	Name	Email
1.	Bro Joy Thomas	montfortlucknow@yahoo.in
2.	Bro Joji Joseph	montfortlucknow@yahoo.in

#### Students

Sno.	Name	Email	Grade/Class
1.	Anhad Jagdish	-	10
2.	Divya Srivastava	-	10
3.	Dushyant	-	10
4.	Rajneesh	-	10
5.	Mohd Ramish	-	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. Ragpicker

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	48	0	48	0	0
Playgrounds	3	0	2	1	0

Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	2	0	2	0	0
Laboratory	3	0	3	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	60	0	59	1	0

### Supporting Documents

1. recycling-waste-carts\_full-1.jpg
2. images.jpg

## 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	120
Kitchen waste	7.5
Paper	120
Plastic	50
Wood, glass, metal, classroom furniture	80
E-waste	20
Biomedical waste	5
Sanitary waste	0
Construction and Demolition (C & D) waste	150
Hazardous waste	1

Total Generated Solid Waste (in kilogram)	553.5
---	-------

### Supporting Documents

1. DSC03946.JPG
2. DSC03941.JPG
3. DSC03940.JPG
4. DSC03939.JPG
5. wastebiun.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	00
Kitchen waste	7.5
Paper	100
Plastic	30
Wood, glass, metal, classroom furniture	60
E-waste	10
Biomedical waste	5
Sanitary waste	1
Construction and Demolition (C & D) waste	150
Hazardous waste	1
Total (in kilogram)	364.5

5

Does your school have a composting facility?

No



6

Does your school encourage students &amp; 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. [download %281%29.jpg](#)
2. [download.jpg](#)

## Task 5: How does your school dispose waste?

8

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

Landfill Site

**Supporting Documents**

1. DSC03939.JPG
2. DSC03940.JPG

9

Does your school burn waste?

Yes

**Supporting Documents**

1. download %282%29.jpg
2. images %282%29.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

HorticulturalPlasticTyresPaper

10

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

	Total	Working conditions	Non-working condition
TVs	5	5	
VCR or DVD players	4	4	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	5	5	
Heaters	0	0	
Microwaves	0	0	
Ovens	1	1	
Toasters	0	0	

Electric Kettles	3	3	
Personal computers (CPU, mouse, screen and keyboard included)	84	81	3
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	2	2	
Copying equipment (Photocopiers)	2	2	
Projectors	13	13	
Whiteboards	12	12	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	4	4	
Fax machines	1	1	
Telex	0	0	
Telephones	4	4	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	0	0	

### Supporting Documents

1. download %283%29.jpg
2. download %284%29.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. DSC\_6543.JPG
2. DSC\_7488.JPG

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures

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?

Yes

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?

Better support from the government to make the school clean and healthy and programs from various NGOs to support in the Green Mission.

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?

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

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

7.00

**Checklist of uploaded documents**

1. Fuel Bills
2. Electricity Bill
3. Photographs of lunch boxes
4. Picture of Canteen selling UPPF
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
12. Picture of types of solid waste generated
13. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
14. Pictures of housekeeping staff disposing different types of solid waste
15. Pictures of burning waste
16. Pictures of Electronic items used by school and storage of non-working electronic items
17. Certificate of disposing e-waste from authorised dealer/dismantler
18. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
19. Pictures of respective audit teams doing survey