



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Montfort senior secondary school
Address: P.O. Belda, New Haridwar road, Roorkee,
Haridwar, Uttarakhand, India
Coordinator Name: Sr. Punitha



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 senior secondary school

2

Address

P.O. Belda, New Haridwar road, Roorkee, Haridwar, Uttarakhand, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 01332 (NUMBER) 270450

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9411153625

5

Principal Name

Bro. Jose Thottiyil

6

GSP Coordinator Name

Sr. Punitha

7

GSP Coordinator Email

punimma26@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8392876842

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	2181	957	3138
Teachers	13	83	96
Non-Teaching Staff	80	9	89
TOTAL	2274	1049	3323

4(b)

How many visitors visit your school

20

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.	Anamika	Anamika
2.	Sangita Gupta	Atul_Sangita@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	rockeyharston@gmail.com
2.	Mohd.Iqbal	-
3.	Vipin Kumar	-

Students

Sno.	Name	Email	Grade/Class
1.	Akshita Gulati	gulatiakshita28@gmail.com	10
2.	Ansh Gupta	anshg52@gmail.com	10
3.	Aditya Chettri	divineindulcorp@gmail.com	10
4.	Tanya	-	10
5.	Khushi	-	10
6.	Astha Sharma	-	10

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

1

How many classrooms does your school have?

69

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)
L.K.G. A	54.23	12.00	22.13
L.K.G. D	52.34	16.68	31.87

1 B	55.19	17.09	30.97
4 E	50.60	17.33	34.25
7 B	74.79	18.50	24.74
8 A	67.30	12.95	19.25
9 C	70.19	18.33	26.12
10 A	69.19	18.90	27.32
11 A	69.41	13.08	18.84
12 D	62.00	18.25	29.44
TOTAL	625.23	163.13	

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	27	2	1	1	31
No. of vehicles more than five years old	23	0	0	0	23
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	5	0	0	0	5
Parking area (m2)	3865.40	945.88	0	897.31	5708.59

Supporting Documents

1. POLLUTION CONTROL BOARD.JPG

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	27	0	0	0	0	0
Car	2	0	0	0	0	0
Van	1	0	0	0	0	0
Other vehicles	1	0	0	0	1	0
SUB-TOTAL	31	0	0	0	1	0

Supporting Documents

1. New Image 5.JPG
2. New Image 10.JPG
3. DF BILL.JPG
4. DF BILL1.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	2899	82	13	2994
Public Bus	83	6	0	89
School Transport(Other than bus)	00	0	0	0
Public transport (other than bus, Metro, car pool)	77	0	0	77
Taxi four-wheeler	09	0	0	9
Taxi three-wheeler	00	0	0	0
Personal four-wheeler	14	5	0	19
Personal two-wheeler	55	2	63	120
Bicycle	4	0	7	11
On foot	4	0	0	4
Others (non-motorised)	00	0	0	0

SUB-TOTAL	3145	95	83	3323
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Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

27

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.	Anamika	mondalanamika05@gmail.com
2.	Sangita	Atul_sangeta@rediffmail.comta

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	rockeyhaiston@gmail.com
2.	Montoo Sharma	montoosharma2@gmail.com
3.	Ravinder Kumar	-
4.	Shadab	-

Students

Sno.	Name	Email	Grade/Class
1.	Astha Sharma	-	10
2.	Shreya	-	9
3.	Uttkarsh Nandan	utkarshnandan07@gmail.com	9
4.	Ananya	-	9
5.	Tanya	-	10
6.	Vanshika	-	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

No

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)	82.20	295.92	1
Electricity from generator (diesel) (litres)	62	2827.20	1
Petrol (litres)	40	1868.00	1
Diesel (litres)	8032	366259.20	2
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)	25	90.00	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	8241.20	371340.32	

Supporting Documents

1. GFUEL BILL 1.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	8	1 and 1.5 ton	5
Refrigerator	6	280 liters	5
Microwave	0	0	0

Tube Lights	375	36 Watt	3
CFL Bulbs	106	23 Watt	3
LED Lights	36	14 Watt	3
Fans	474	60 Watt	0

Supporting Documents

1. New Image 2.JPG
2. New Image 6.JPG

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

5

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

300

6

Are there any alternate sources of energy employed/ installed in your school?

Yes

6(a)

Name the alternate sources of energy employed/ installed in your school?

Solar

Supporting Documents

1. New Image 32.JPG



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Anamika	mondalanamika05@gmail.com
2.	Sangita Gupta	Atul_Sangita@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	rockeyhaiston@gmail.com
2.	Akram	-
3.	Pankaj	-
4.	Soni	-

Students

Sno.	Name	Email	Grade/Class
1.	Akshita Gulati	gulatiakshita28@gmail.com	10
2.	Ishika Goel	-	10
3.	Shreya	-	9
4.	Utkarsh Nandan	utkarshnandan07@gmail.com	9
5.	Nandini	nandinirawat23@gmail.com	9
6.	Astha Arora	asthaarora160@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

Yes

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

Supporting Documents

1. image food.JPG
2. chil lunch.JPG

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

3138.00

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	2	1220	01
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)	1	65	01
Ice-cream	2	810	01
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	1	1467	01
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0

Packaged/Bottled Energy Drinks	0	0	0
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Supporting Documents

1. New Image 3.JPG
2. New Image34.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?

Yes

7(a)

Please provide the names?

Amul Bindaaz

8

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

No

Supporting Documents

1. New Image12.JPG
2. New Image 13.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Sangita	Atul_sangeeta@rediffmail.com
2.	Anamika	mondalanamikao5@gmail.com

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	rockeyhaiston@gmail.com
2.	Jitender Pal	-
3.	Mintoo	-
4.	Vipin Kumar	-
5.	Patrick	

Students

Sno.	Name	Email	Grade/Class
1.	Tanya	-	10
2.	Aditya chettri	Devineindulcorp@gmail.com	10
3.	Yash	-	9
4.	Gracy	-	10
5.	Shriyansh	-	9
6.	Ananya	--	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)	435,600
Ground coverage area	6,350
Green landscaped area on-ground	694

Surface parking area	5,709
Play area that is paved/ concrete on ground	3,632
Play area that has grass on ground	1,335
Service Area on ground	75
Roof and terrace area	1,725
Green cover on exposed roof & terrace	0
Total built up/constructed area	13,579
Total no. of floors	4
Others	1,889

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	60	20	80
Animals	20	1	21

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. New Image 18.JPG
2. New Image17.JPG
3. New Image 31.JPG
4. New Image22.JPG
5. New Image23.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Anamika	mondalanamika05@gmail.com
2.	Sangeeta	Atul_sangeta@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	rockeyhaiston@gmail.com
2.	Ranjit	-
3.	Shadab	-

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Chettri	divineindulcorp@gmail.com	10
2.	Khushi Panwar	-	10
3.	Niharika	-	9
4.	Devrath	-	9
5.	Prakhar	prakharagarwal56@gmail.com	9
6.	Yash Pant	-	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	10014
Toilet flushing	600
Personal cleaning	700
Washing clothes	400
Cooking	00

Cleaning Utensils	100
Washing Vegetables	00
Mopping floors	350
Gardening	400
Total	12564

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?	Yes
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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

Supporting Documents

1. New Image 9.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).

14066

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?

25

9 How many hand pumps do you have?

0

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

36

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

	Girls	Boys	Common	Total
Number of toilets	39	30	00	69

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

63

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

More than 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?

No

18(a)

Please specify the fate of wastewater

Wastewater flows directly to the drains

Supporting Documents

1. flow water treat.JPG



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Anamika	mondalanamika05@gmail.com
2.	Sangita Gupta	Atul_Sangita@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Vinoo Francis	-
2.	Mohd. Iqbal	-
3.	Monu	-

Students

Sno.	Name	Email	Grade/Class
1.	Ansh Gupta	anshg52@gmail.com	10
2.	Astha Arora	asthaarora160@gmail.com	10
3.	Ishika Goel	-	10
4.	Khushi	-	10
5.	Gracy	-	10
6.	Shreya	-	9
7.	Prakhar	prakharagarwal56@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	38	0	38	0	0
Playgrounds	6	0	6	0	0
Common area (e.g. reception, corridors)	16	0	16	0	0
Staffroom	5	0	5	0	0
Laboratory	2	0	2	0	0
Canteen	14	0	14	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	11	0	11	0	0
Others	7	0	7	0	0
Total	102	0	102	0	0

Supporting Documents

1. New Image 37.JPG
2. New Image 36.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	12
Kitchen waste	1
Paper	70
Plastic	40
Wood, glass, metal, classroom furniture	60
E-waste	00

Biomedical waste	16
Sanitary waste	11
Construction and Demolition (C & D) waste	300
Hazardous waste	120
Total Generated Solid Waste (in kilogram)	630

Supporting Documents

1. New Image 25.JPG
2. New Image 28.JPG
3. garbage.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?

Yes

Supporting Documents

1. pit.JPG
2. pit1.JPG

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)?

8.00

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)	✓	✗	✗	✗

Supporting Documents

1. kabadi 1.JPG

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. New Image 26.JPG

9

Does your school burn waste?

Yes

Supporting Documents

1. New Image 27.JPG

9a

Where does your school burn waste?

Inside 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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	6	6	0
Washing machines	0	0	0
Air conditioners	8	8	0
Heaters	7	7	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	51	51	0
Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	12	0

Copying equipment (Photocopiers)	2	2	0
Projectors	70	70	0
Whiteboards	4	4	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	8	8	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	15	15	0
Pay telephones	0	0	0
Mobiles	2	2	0
Answering systems	1	1	0

Supporting Documents

1. New Image15.JPG
2. computer.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

Supporting Documents

1. Poster making competition.JPG
2. Declamation_Photo.JPG
3. SA 2.JPG

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. New Image 8.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?

Suggestions from GSP, after evaluating the present status, will help to improve further.

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	Average
Orientation for conducting tasks	Average

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?

More than 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?

20.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Picture of School owned vehicles
4. Electricity Bill
5. Picture of 5 star appliances used by school
6. Picture of Renewable sources of Energy
7. Photographs of lunch boxes
8. Picture of Canteen selling UPPF
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. Picture of audit team weighing solid waste
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. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
20. Pictures of respective audit teams doing survey