



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Montfort High School
Address: Repalle, Guntur Dist., Andhar Pradesh,
522 265., Repalle, Guntur, Andhra
Pradesh, India
Coordinator Name: Ms K. Bhagyavathi



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 High School

2

Address

Repalle, Guntur Dist., Andhar Pradesh, 522 265., Repalle, Guntur, Andhra Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 08648 (NUMBER) 215037

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9441130433

5

Principal Name

Bro. Jose Emmanuel

6

GSP Coordinator Name

Ms K. Bhagyavathi

7

GSP Coordinator Email

kollibhagya@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9505858492

9

Category Of The School

Day Scholar

10

School Shifts

Both

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:10

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: Andhra Pradesh

4

Total permanent population of the school

	Male	Female	Total
Students	786	622	1408
Teachers	12	33	45
Non-Teaching Staff	10	7	17
TOTAL	808	662	1470

4(b)

How many visitors visit your school

22

5

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

229

6

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

Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ms. K. Bhagyavathi	Ms. K. Bhagyavathi
2.	Mr. V. Yedukondalu	vykondalu9@gmail.com
3.	Mr. N. Kishore Babu	nkishorebabu.namburi@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	lovelyveeru29@gmail.com
2.	Ms. G. Deepika	0
3.	Mr. B. Ravi Chandra	0
4.	Mr. A. Venkateswara Rao	0
5.	Mr. G. Naga Sai	0

Students

Sno.	Name	Email	Grade/Class
1.	A.N.V. RAMYA	0	10
2.	K. POOJITHA	0	10
3.	V. CHAITANYA	0	10
4.	CH. LEKHANA	0	9
5.	K. GREESHMA PRIYA	0	9
6.	S. NAGA SAMBAIAH	0	9
7.	N. VANAJA	0	8
8.	R. ROSGLIN	0	8
9.	V. HIMANSHU	0	8
10.	MD. GOUSE	0	8

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)
Class-I, Secction-A	53.51	0.67	1.25
Class-I, Secction-B	53.51	0.67	1.25
Class-I, Secction-C	53.51	0.67	1.25
Class-II, Secction-A	53.51	0.67	1.25
Class-II, Secction-B	53.51	0.67	1.25
Class-II, Secction-C	53.51	0.67	1.25
Class-III, Secction-A	53.51	0.67	1.25
Class-III, Secction-B	53.51	0.67	1.25
Class-III, Secction-C	53.51	0.67	1.25
Class-IV, Secction-A	53.51	0.67	1.25
TOTAL	535.12	6.70	

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	04	01	0	02	7
No. of vehicles more than five years old	02	0	0	0	2
Air conditioned	01	0	0	0	1
No. of vehicles with PUC done	04	01	0	02	7
Parking area (m2)	232.2576	54.0696	0	0	286.3272

Supporting Documents

1. 9458_PUC.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	04	0	0	0	0	0
Car	01	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	02	0	0	0	0
SUB-TOTAL	5	2	0	0	0	0

Supporting Documents

1. Petrol bill.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
School Bus	370	08	9	387
Public Bus	45	0	0	45
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	208	03	0	211
Personal four-wheeler	0	0	0	0
Personal two-wheeler	607	18	03	628

Bicycle	153	02	0	155
On foot	25	17	02	44
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1408	48	14	1470

Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

10

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Mr. T. Rajassekhar	rajsekhar.th2010@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	
2.	Ms. G. Deepika	
3.	Ms. Geetha	
4.	Ms. M. Lakshmaiha	
5.	Mr. Jeevan Kumar	

Students

Sno.	Name	Email	Grade/Class
1.	Md. Ayesha Sultana	0	10
2.	M. Sri Manjunadha	0	10
3.	D. Mohan Sai Lakshmi	0	10
4.	K. Pandu	0	9
5.	K. Anusha	0	9
6.	P. Sivaji	0	9
7.	N. Chandrika	0	8
8.	R. Hema Radhika	0	8
9.	Md. Sayem	0	8
10.	P. Sriram	0	8

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Ele Bill.jpg

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)	1307	4705.20	1,2,3,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	5	233.50	0
Diesel (litres)	280	12768.00	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)	0.8	2.88	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	15	774.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1607.80	18483.58	

Supporting Documents

1. Petrol bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	01	2	5
Refrigerator	01	250	5
Microwave	0	0	0
Tube Lights	50	1800	0
CFL Bulbs	15	120	0
LED Lights	25	216	0
Fans	35	1400	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?

320

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

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Ms. P. Padma	padma29061979@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	lovelyveeru29@gmail.com
2.	Ms. G. Deppika	
3.	Mr. N. Murali	
4.	Ms. M. Hemanjali	
5.	Mr. M. Siva Kiran	

Students

Sno.	Name	Email	Grade/Class
1.	K. Jyothi Siri		10
2.	A. Manoj Chandra		10
3.	G. Bhuvanesh		10
4.	A. Akash		9
5.	D.N. Ram Charan		9
6.	B. Harika		9
7.	K. Hema Sri		9
8.	P. Sireesha		8
9.	P. Likhitha		8
10.	V. Ramtej		8

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

No documents uploaded by the school.

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

1408.00

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	10	9	10
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)	5	5	6
Ice-cream	01	01	11
Carbonated beverages	04	03	09
Sugar sweetened noncarbonated beverages	0	0	0

Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	02	03	04

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?

Cakes, Chocolates, Lolly pups, Biscuits.

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.	Ms. K. Bhagyavathi	kolibhagya@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	lovelyveeru29@gmail.com
2.	Mr. S. Daya Ratnam	
3.	Mr. G. Leela Krishna	
4.	Ms. M. Sarada	
5.	Ms. A. Lavanya	

Students

Sno.	Name	Email	Grade/Class
1.	B. Navya Sree		10
2.	R. Indu		10
3.	A. Vamsi Krishna		10
4.	B. Sasitha		9
5.	L. Trinath Kumar		9
6.	J. Upendra		9
7.	Ch. Tejaswi		8
8.	Ch. Charishma Priya		8
9.	M. Eswar		8
10.	G. Yaswanth		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 ²)	38,445

Ground coverage area	1,950
Green landscaped area on-ground	2,540
Surface parking area	286
Play area that is paved/ concrete on ground	1,805
Play area that has grass on ground	12,949
Service Area on ground	205
Roof and terrace area	1,086
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,086
Total no. of floors	3
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	250	0	250
Animals	6	0	6

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.	Ms. K. Bhagyavathi	kolibhagya@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	
2.	Mr. M. Siva Kiran	
3.	Mr. Babavali Khan	
4.	Mr. O. Ravi Kumar	
5.	Mr. T. Rajasekhar	

Students

Sno.	Name	Email	Grade/Class
1.	P. Anjani Kumar		10
2.	K. Anka Raju		10
3.	M. Neha		10
4.	D. Mrudhula		9
5.	Y. Jaya Naga Sandya		9
6.	G. V. Raghavendra		9
7.	G. Rifika		8
8.	K. Siva Priya		8
9.	R. Jaya Kumar		8
10.	D. Praveen Kumar		8

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	1200

Toilet flushing	2000
Personal cleaning	1500
Washing clothes	1000
Cooking	20
Cleaning Utensils	20
Washing Vegetables	10
Mopping floors	5
Gardening	1050
Total	6805

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?	Yes
If your school has an eco-club, do they have water component?	Yes
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

No documents uploaded by the school.

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?

By recharging groundwater

6(b)(1) Does your school have groundwater recharge structure?

No

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

21 to 30 per cent

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

Recharge structure

6(e) Rate your catchment on cleanliness:

Average

No documents uploaded by the school.

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?

Pre-monsoon

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?

Pre-monsoon

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?

No

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?	No
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No
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?

8

9 How many hand pumps do you have?

2

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

12

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

	Girls	Boys	Common	Total
Number of toilets	36	20	0	56

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

Twice 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, Recharge Ground Water

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ms. K. Bhaghavathi	kolibhagya@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ch. Veerababu	
2.	Mr. N. Murali	
3.	Ms. G. Deepika	
4.	Ms. Ch. Tejasri	
5.	Mr. N. Kishore Babu	

Students

Sno.	Name	Email	Grade/Class
1.	G. Divya		10
2.	V. Dhamini Manogna		10
3.	D. Karthik Raghu		10
4.	K. Divya Deepthi		9
5.	D. Lahari		9
6.	V. Leeladhar		9
7.	Ch. Adeeswar		8
8.	R. Mahendraa Babu		8
9.	Ch. Venkata Naga Raju		8
10.	A. Ratna Thanuja		8

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. Gardener

3. Other: Aayas

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	31	31	0	0	0
Playgrounds	8	04	02	02	0
Common area (e.g. reception, corridors)	8	04	02	02	0
Staffroom	6	02	02	02	0
Laboratory	4	01	01	02	0
Canteen	6	02	02	02	0
Clinic/ Sick room	0	0	0	0	0
Library	4	01	01	02	0
Toilets	5	02	01	02	0
Others	12	08	02	02	0
Total	84	55	13	16	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	120
Kitchen waste	33
Paper	35
Plastic	10

Wood, glass, metal, classroom furniture	20
E-waste	05
Biomedical waste	1.5
Sanitary waste	03
Construction and Demolition (C & D) waste	20
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	247.5

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)?

5.00

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?

Open dumping

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	2	02	0

VCR or DVD players	4	04	0
Refrigerators and freezers	1	01	0
Washing machines	0	0	0
Air conditioners	1	01	0
Heaters	4	04	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	01	0
Personal computers (CPU, mouse, screen and keyboard included)	65	65	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	01	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	02	02
Copying equipment (Photocopiers)	2	02	0
Projectors	14	14	0
Whiteboards	14	14	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	04	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	1	01	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?

No

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

No

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?

We need programs

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?

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?

10.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Electricity Bill